MacDon

D2 Series
Draper Header with
FM200 Float Module

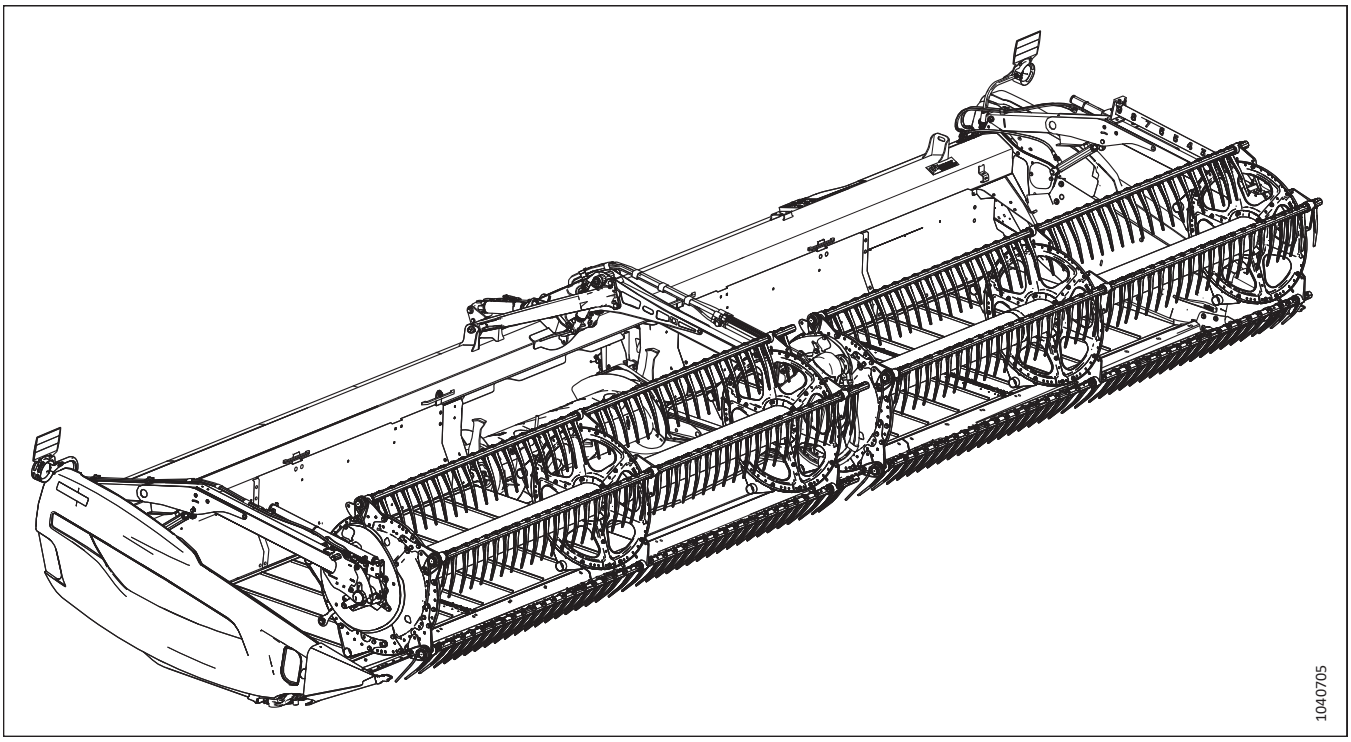
Parts Catalog

262329 Revision A

Original Instruction

The Harvesting Specialists.

D2 Series Draper Header with FM200 Float Module



Published: January 2024

NOTE:

Keep your MacDon publications up-to-date. The most current English version can be downloaded from our website (*www.macdon.com*) or from our Dealer-only site (*https://portal.macdon.com*) (login required).

French translation of this manual can be ordered from MacDon, downloaded from the MacDon Dealer Portal (*https://portal.macdon.com*) (login required), or downloaded from the MacDon website (*http://www.macdon.com*).

© 2024 MacDon Industries, Ltd.

The information in this publication is based on the information available and in effect at the time of printing. MacDon Industries, Ltd. makes no representation or warranty of any kind, whether expressed or implied, with respect to the information in this publication. MacDon Industries, Ltd. reserves the right to make changes at any time without notice.

Introduction

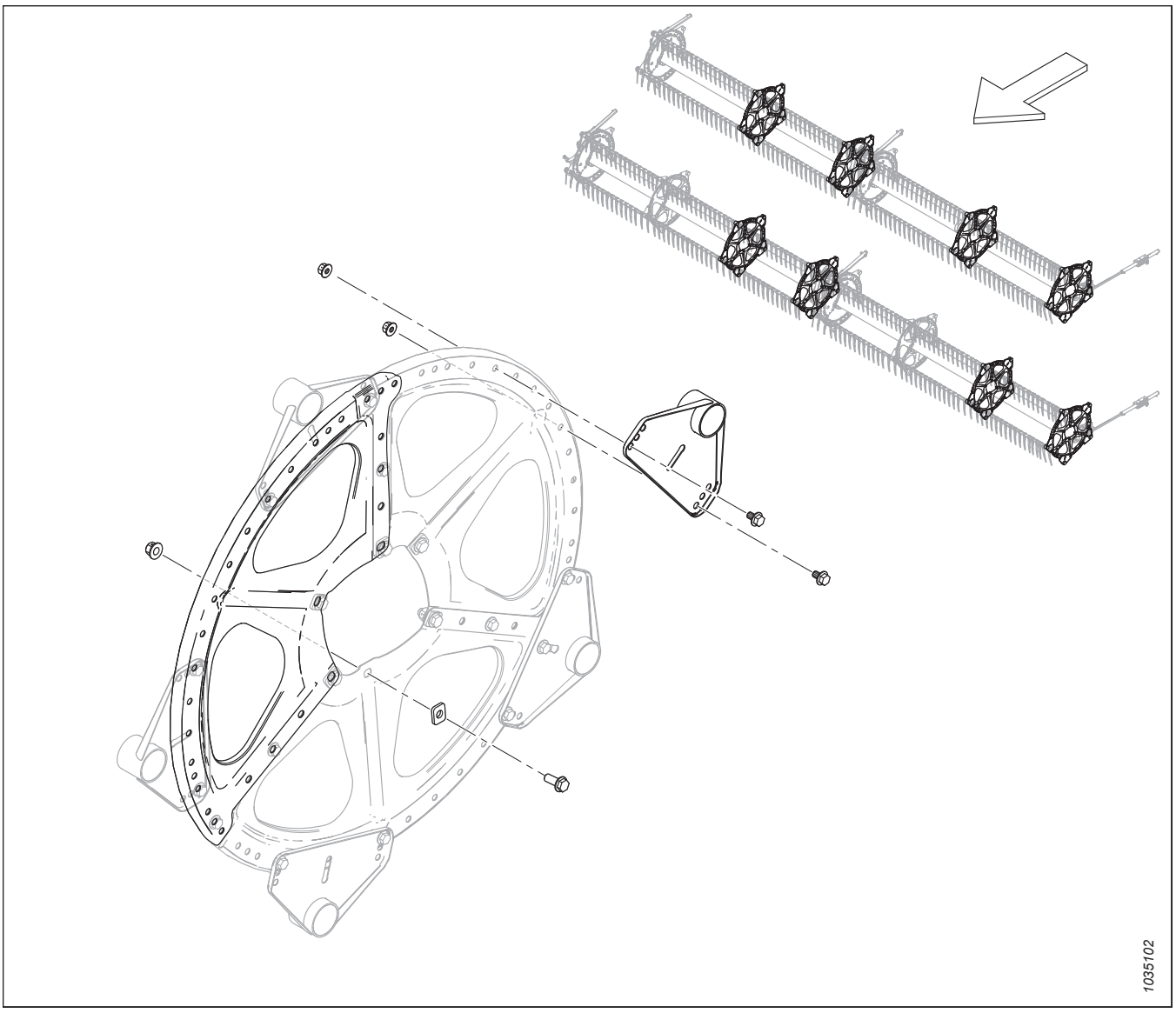
This Parts Catalog lists all the replacement parts that can be ordered for a MacDon D2 Series Combine Header (Sections *1 Header Frame End Panels, page 1* to *140 (Option) VertiBlade™ Vertical Knife Hydraulics, page 323*) and an FM200 Float Module (Sections *141 Frame Components – Float Module, page 325* to *199 (Option) Stripper Bars, page 479*).

When ordering, be sure the complete and proper part number is given. Some parts vary with header size; be sure you are ordering the correct part number for your unit.

Bold text is used to indicate updates made at the current revision level. With each new revision of the catalog, previous revisions are returned to regular text.

Electrical connectors used on MacDon products are available for sale but not listed in this catalog. For the list of available connectors, refer to the Electrical Connectors Parts Catalog (MD #169641).

In this catalog, right and left are determined from the operator's seated position in the combine. An arrow is sometimes used in illustrations to indicate forward position.



Abbreviations

A/R – as required (quantity varies)	ASSY – assembly	BHRN – button head rib neck
BV – ball valve	CCW – counterclockwise	CON – conical (spring washer)
CSK – countersink	C/W – complete with	CW – clockwise
DBLE – double	DK – double knife	DR – double reel
DT – distorted thread	FLG – flange	GA – gauge
GR – grade	GS – grass seed	HD – head
HDR – header	HFA – hydraulic fore-aft	HH – hex head
HNBR – hydrogenated nitrile butadiene rubber	HYD – hydraulic	I.D. – inside diameter
IP – internal plus (torx plus)	KP – knife pressure	KR – knife return
LG – long	LH – left hand (determined from Operator's position, facing forward)	LK – lock
MACH – machine	MD – MacDon	MFA – manual fore-aft
MY – model year	NC – national coarse thread	NF – national fine thread
NSS – not sold separately	NT – narrow transport	O.D. – outside diameter
OPT – optional	PO – pilot operated	PT – pull-type (mower conditioner)
RC – roller chain	REF – reference, part number called up elsewhere in catalog	REG – regular
RH – right hand (determined from Operator's position, facing forward)	RHSN – round head, square neck or square neck carriage bolt	RHSSN – round head, short, square neck
RTD – rotating tine drum	SAE – Society of Automotive Engineers (part produced to comply with)	SD – side draper
SER – serrated	SK – single knife	SKT HD – socket head
SMTH – smooth	SMV – slow moving vehicle	SOCK – socket
SP – self-propelled (windrower) header	SPCL – special	SPH – spherical
SPI – serrations per inch (knife Sections)	SR – single reel	STL – steel (stainless)
STR – standard	STVR – Stover	TFL – thread full length
THD – thread	TR – triple reel	UCA – upper cross auger
UDK – untimed double knife	UNC – unified coarse thread	UNEF – unified extra fine thread
UNF – unified fine thread	UNS – unified special thread series	VK – veritcal knife
WF – wide frame	ZP – zinc plated	

Serial Number Breaks

The side of the serial number on which the dash (–) appears determines whether the part is used "up to" or "after" the serial number given.

Example:

- –451189 Used on machines up to and including serial number 451189
- 451190– Used on machines including and after serial number 451190

Summary of Changes – D2 Series and FM200 (MD #262329 Rev. A)

This list covers changes made since the last revision MD #(MD #215002 Rev. A).

Section	Summary of Change	Internal Use Only
Introduction, page i	Replaced section numbers with cross-references for clarity and consistency.	Technical Publications
3 Manual Case and Knife Storage, page 5	Added references to spare knives and knife shield (items #7, 8, and 9 and added footnotes for clarity. Updated illustration from 1040219 to 1043054 to show changes.	ECN 64378
	Manual case 174612 replaced by manual case 220107.	ECN 64612
17 Draper – Drive Roller, page 33	Revised footnote on 319676; replaced “vulcanized roller” with “ribbed roller”.	Technical Publications
29 Knives – Single-Knife Headers (D225, D230, and D235), page 57	Added fine knife kit 286609, 286610, and 286611, and fine knife segments 286579, 286581, 286582, 286583, and 286584. Added ultra coarse knife kit 286779, 286780, and 286781, and ultra coarse knife segments 286758, 286760, 286761, 286763, and 286764. Added a footnote stating the quantity of individual knife sections.	Parts Engineering
30 Knives – Double-Knife Headers (D241), page 61	Added fine knife kit 286618 and fine knife segments 286579, 286580, 286582, 286871, and 286593. Added ultra coarse knife kit 286789 and ultra coarse knife segments 286758, 286759, 286761, 286876, and 286769. Added a footnote stating the quantity of individual knife sections.	Parts Engineering
31 Knives – Double-Knife Headers (D245), page 65	Added fine knife kit 286619 and fine knife segments 286579, 286580, 286581, 286582, 286872, and 286592. Added ultra coarse knife kit 286790 and ultra coarse knife segments 286758, 286759, 286760, 286761, 286877, and 286768. Added a footnote stating the quantity of individual knife sections.	Parts Engineering
34 Reel Support Arm and Lift Cylinders – Center Arm, Double Reel, page 73	Replaced part number for brace 273798 with “NSS” and revised footnote for brace assembly 311627. Added footnote to brace (item #2) for clarity.	ECN 63825
116 (Option) Module Programming Kit, page 259	Added new section (Option) Module Programming Kit with new illustration 1041682.	ECN 64148
56 Skid Shoes – End and Center, page 121	Replaced bolt 30628 with bolt 135335, added flat washer 184711. Updated illustration from 1040324 to 1043090 to show changes.	ECN 64715
57 Hydraulics – Manifold Fittings and Fasteners, page 123	Added footnotes to manifold assemblies 283502 to clarify what parts are included in these assemblies and in what quantities.	ECN 63588
58 Hydraulics – Manifold Plugs, page 125	Added footnotes to manifold assemblies 283502 to clarify what parts are included in these assemblies and in what quantities.	ECN 63588
73 Hydraulics – Upper Cross Auger, page 161	Corrected D225 hydraulic line part number from 323355 to 323354.	Technical Publications
81 Electrical – Reel Fore-Aft Sensor (2023 and Prior), page 177	Superseded reel fore-aft indicator 328532 with indicator 323937.	ECN 63777
	Made reel fore-aft parts in this section service only for model year 2023 and prior units; some parts have been superseded by reel fore-aft sensor kit 368338. Added footnotes for clarity.	ECN 64090 ECN 64242
	Added large washer 43219. Added extra bushing 206340 and spacer 328534. Replaced bolt 109613 with 136595. Removed washer 184706. Bolt 152655 replaced by 135894. Nut 135799 replaced by 135337. Added washer 184711. Updated illustration from 1039142 to 1043109 to show changes.	ECN 63831

Section	Summary of Change	Internal Use Only
82 Electrical – Reel Fore-Aft Sensor (2024 and Later), page 179	Added new section for model year 2024 reel fore-aft sensor assemblies with new illustration 1043110.	ECN 64090 ECN 64242
83 Electrical – Reel Speed Sensor, AGCO and CLAAS, page 181	Added 65-tooth reel sensor bundle B7064, speed sensor 328329, and 65-tooth disc 228471. Added footnotes throughout to clarify which combine models are applicable for various parts.	ECN 63530
84 Electrical – Reel Speed Sensor, John Deere, page 183	Added 13-tooth reel sensor bundle B7065, speed sensor 136167, and 13-tooth disc 228473. Added footnotes throughout to clarify which combine models are applicable for various parts.	ECN 63530
86 Decals and Reflectors – D2 Series, page 187	Added California Proposition 65 decal 302204 to the parts list. Updated illustration from 1040550 to 1041385 to show changes.	ECN 64111
88 Decals – Product Identification, Case, page 191	Decals 360419, 360420, 360431, 360432, 360433, 360434, 360435, 360436, 360437, 360438, 360439, and 360440 superseded by 368422, 368423, 368412, 368413, 368414, 368415, 368416, 368417, 368418, 368419, 368420, and 368421. Updated illustration from 1040654 to 1043528 to show changes.	ECN 64268
94 Paint, page 203	Added new section Paint with new illustration 1037431.	Technical Publications
97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209	Added new section (Option) Dual Use Kit – M1/M2 Series Windrowers with new illustration 1043206.	ECN 64255
98 (Option) Electrical – Reel Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers, page 211	Added new section (Option) Electrical – Reel Speed Sensor for Dual Use kit, M1/M2 Series Windrowers with new illustration 1043117.	ECN 64255
99 (Option) Electrical – Knife Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers, page 213	Added new section (Option) Electrical – Knife Speed Sensor for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041327.	ECN 64255
100 (Option) Hydraulic Line Covers – Center (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers, page 215	Added new section (Option) Hydraulic Line Covers – Center (D225, D230, D235, and D241) for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041087.	ECN 64255
101 (Option) Windrower Completion – Retaining Pins for Dual Use Kit, M1/M2 Series Windrowers, page 217	Added new section (Option) Windrower Completion – Retaining Pins for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041326.	ECN 64255
102 (Option) Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain for Dual Use Kit, M1/M2 Series Windrowers, page 219	Added new section (Option) Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041405.	ECN 64255
103 (Option) Windrower Completion – Draper Drive Hydraulics, Case Drain Relief for Dual Use Kit, M1/M2 Series Windrowers, page 221	Added new section (Option) Windrower Completion – Draper Drive Hydraulics, Case Drain Relief for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041403.	ECN 64255

Section	Summary of Change	Internal Use Only
104 (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use Kit, M1/M2 Series Windrowers, page 223	Added new section (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041420.	ECN 64255
105 (Option) Windrower Completion – Hydraulics, Hoses and Latch (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers, page 225	Added new section (Option) Windrower Completion – Hydraulics, Hoses and Latch (D225, D230, D235, and D241) for Dual Use kit, M1/M2 Series Windrowers with new illustration 1041461.	ECN 64255
106 (Option) Draper Header Supports for Dual Use Kit, M1/M2 Series Windrowers, page 231	Added new section (Option) Draper Header Supports for Dual Use kit, M1/M2 Series Windrowers with new illustration 1043617.	ECN 64255
107 (Option) EasyMove™ – Slow Speed Transport, Base Kit and Stabilizer Wheels, page 233	Superseded header dampener 210340 with header dampener 327798. Added a footnote to state that the dampener includes composite bushing 133992.	ECN 63236
	Added California Proposition 65 decal 302204 to the parts list.	ECN 64111
108 (Option) EasyMove™ – Slow Speed Transport, Wheels, Tires, and Tow Poles, page 239	Discontinued 316904 and removed screws 42292; bolt 184679 made hardware B, was hardware R. Added long channel support 327817 (replaces two of support 327680) for long tow poles (B7392). Updated illustration from 1038286 to 1041769 to show changes.	ECN 64203
	Revised footnotes for clarity.	Parts
	New EMT Long Pole Collector C2173 (C2050); Tires kit B6275 superseded by B7398, including new wheels, tires, and decals.	ECN 62597
110 (Option) Floating Crop Dividers, page 245	Superseded deflectors 360095 and 360081 with deflector kits 360939 and 360940; added new deflectors 360723 and 360848. Added supports 360720 and 360862, retainers 360734 and 360863, top deflector channel 360850, and pivot tube 360847. Replaced 30 mm M10 bolt 184662 with 40 mm M10 bolt 152732, added flat washer 184709 and M8 bolt 135523. Updated illustration from 1038760 to 1040682 to show changes.	ECN 63575
115 (Option) Lodged Crop Reel Fingers, page 257	Added new section for Lodged Crop Reel Fingers kit with new illustration 1041518.	ECN 62424
119 (Option) Reel – Two Speed, page 269	Added footnote on combine compatibility to sprocket 273451, 273452, and 273453.	Product Support
122 (Option) Service Kit – Pointed Guards, Coarse Knives, page 275	Added footnote to state that the kits are not available for sale in North America.	Parts
124 (Option) Service Kit Plus – PlugFree™ Guards, Single Knife, page 279	Added new section for Service Kit Plus – PlugFree™ Guards, Single Knife with new illustration 1041561.	Technical Publications
125 (Option) Service Kit Plus – PlugFree™ Guards, Double Knife, page 281	Added new section for Service Kit Plus – PlugFree™ Guards, Double Knife with new illustration 1041562.	Technical Publications

Section	Summary of Change	Internal Use Only
127 (Option) Service Kit Plus – Pointed Guards, Double Knife, page 285	Added footnote to state that the kits are not available for sale in North America.	Parts
128 (Option) Stabilizer Wheels, page 287	Superseded header dampener 210340 with header dampener 327798. Added a footnote to state that the dampener includes composite bushing 133992.	ECN 63236
	New Stabilizer Wheel Collector C2171 (was C2051).	ECN 62597
130 (Option) Steel Reel End Finger Kits, page 293	Added new section for Steel Reel End Finger kits with new illustration 1041509.	Technical Publications
131 (Option) Stubble Lights, page 295	Added note to clarify which combines are compatible with the Stubble Lights kit.	ECN 64329
136 (Option) Upper Cross Auger – Two-Piece Auger (D225, D230, D235, and D241), page 307	Added California Proposition 65 decal 302204 to the parts list.	ECN 64111
	Added UCA valve decal 233745 to the parts list.	Product Support
	Added Auger warning decal 279085 to the parts list.	Product Support
137 (Option) Upper Cross Auger – Three-Piece Auger (D245), page 311	Added California Proposition 65 decal 302204 to the parts list.	ECN 64111
	Added UCA valve decal 233745 to the parts list.	Product Support
	Added Auger warning decal 279085 to the parts list.	Product Support
138 (Option) VertiBlade™ Vertical Knife Kit, page 315	Added European Vertical Knife Components kit B7464 and European Vertical Knife kit B7466, added footnotes for clarity.	ECN 63630
	Replaced hex flange bolts 152655 with Torx truss head screws 136395, updated illustration from 1032942 to 1041737 to show changes.	ECN 64134
140 (Option) VertiBlade™ Vertical Knife Hydraulics, page 323	Changed incorrect D245 hydraulic hose part number from 311860 to 323860.	Parts
142 Pump, Gearbox, and Input Drive, page 327	Contour cone 250 mm guard 328316 superseded by contour cone 250 mm guard 322561.	Parts ECN 60438
	Replaced insert bearing 328371 with collar bearing 21363, and removed hex screw 320418. Updated illustration from 1038292 to 1042897.	Product Support
	Removed gear ratios from descriptions of 308726, 337713, 347001, and 308863.	Product Support
144 Integrated Pump – Service Parts, page 331	Added dust caps 357937 as service parts for knife drive compensator kit 328306 and side draper compensator kit 328307; added footnotes for clarity.	ECN 63437
	Superseded seal kit 328284 with seal kit 322148.	ECN 63865
	Renamed 328307 from KIT – COMPENSATOR LS to KIT – SIDE DRAPER COMPENSATOR, and 328306 from KIT – COMPENSATOR (PRESSURE) to KIT – KNIFE DRIVE COMPENSATOR.	Product Support ECR 31563
145 Gearbox Assembly, page 335	Gearbox bolt plate 368863 is now a serviceable part (between washer 184587 and tensioner bolt 328158). Updated illustration from 1038480 to 1043556.	ECN 64719

Section	Summary of Change	Internal Use Only
146 Input Drive Assembly, page 339	Removed gear ratios from descriptions of 308726, 337713, 347001, and 308863.	Product Support
	Reinserted gearbox cover part number 328196; the gearbox cover is now a serviceable part.	ECN 64170
151 Auger Assembly – Right Arm, page 353	Corrected description of 308538 from PIVOT – LH AUGER, MACHINING to PIVOT – RH AUGER, MACHINING.	Product Support
158 Float Linkage and Float Setting and Measuring, page 371	Superseded rotary sensor 328412 with rotary sensor 500303 and added bolt 197319. Updated illustration from 1038643 to 1041641 to show changes.	ECN 63801
	Superseded lower link assembly 322132 with lower link assembly 357299. Replaced lube fitting 18671 with lube fitting 320500. Updated illustration 1041641 to show changes.	ECN 62390 ECN 63854 ECN 63990
	FSM lever 322981 and torsion spring 322046 made service only for model year 2023 and prior machines. Added FSM pawl 360971, FSM lever 360756, and torsion spring 368017. Added footnotes for clarity. Updated illustration 1041641 to show changes.	ECN 64338
159 Float Lock Pivot Rework Kit, page 375	Added new section for Float Lock Pivot Rework kit 352697 with new illustration 1042278.	ECN 64460
162 Feed Deck – Frame, Pivot Pins, and Front Support, page 381	Superseded feed deck assembly 357386 with assembly 368380.	ECN 63641
164 Feed Deck – Drive/Idler Roller and Tensioner, page 385	Superseded housing assembly 295399 with assembly 335980 for model year 2024 production and with idler housing service kit 335981 for service. Superseded idler housing 314474 with idler housing service kit 335981. Added dust cap with fitting assembly 357230 for model year 2024. Added footnotes for clarity. Updated illustration from 1036582 to 1041761 to show changes.	ECN 63641
	Replaced bearing 118185 with bearing service kit 368457. Replaced housing assembly 335980 with idler assembly service kit 368460. Added footnotes for clarity.	ECN 64334
165 Feed Deck – Pans and Fillers, page 389	Superseded feed deck pan 276681 with feed deck pan 360927; superseded rear center hook 240012 with rear center hook 360924; superseded center hook bar 231766 with center hook bar 360925; added footnotes for clarity. Updated illustration from 1038655 to 1041785 to show changes.	ECN 63582
169 Hydraulics – Float Module to Header Manifold, page 399	Corrected part number of 16-inch long cinch strap (item #7) from 347969 to 347979.	Parts
170 Electrical – Base, page 401	Added Auto Header Height Plug kit B7489 and Pass THru Tilt Plug kit B7490. Added pass thru tilt plug 323698.	ECN 63849

Section	Summary of Change	Internal Use Only
171 Electrical – FM200 to Combine Cab, page 403	Superseded CNH Combine Control bag assembly 357970 with CNH In-Cab Control bag assembly 284900, added bundle B7506 for model year 2018 and prior CNH combines, revised footnotes throughout for clarity.	ECN 64329
	Superseded CNH Side Draper Speed Control kit and CNH ICSDSC control panel 276671 with Side Draper Speed Control kit 357945, added fir tree fastener 136655 and flat washer 184705 as service parts for kit 357945. Superseded North American CNH Cab Power kit 328552, cab power harness 308684, European CNH Cab Power kit 335287, and cab power harness 328561 with Bosch/Aux Cab Power kit 328555; Bosch/Aux cab power harness 308943 is no longer serviceable (included in kit 328555). Superseded North American CNH Combine Control bag assembly 337617 and European CNH Combine Control bag assembly 337618 with CNH Combine Control bag assembly 357970. Added and revised footnotes throughout for clarity. Updated illustration from 1034882 to 1041865 to show new side draper speed control kit 357945.	ECN 63530 ECN 63634
	Added new Tilt and Side Draper Control kit 323940 for John Deere, revised footnote on JD Combine Control bag assembly 337619 reference new control kit 323940. Added service parts for kit 323940. Added John Deere header control bundle B7492 to the parts list, added footnote for clarity. Updated illustration from 1034882 to 1041865 to show changes.	ECN 63952
171 Electrical – FM200 to Combine Cab, page 403	Added footnote to B7431 and 357945 that it is for CNH 2019 and later for clarity	Parts
172 Decals and Reflectors – FM200, page 409	Float setting decal 360716 made for service only. New float setting decal 368631 created for model year 2024 and later.	ECN 64550
	Added float setting decal 368631.	ECN 64671
174 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/Electrical Completion, page 413	Added reference to valve driver module (item #31) and updated the footnote for clarity. Added lock washer 134730 and panel nut 134728. Updated illustration 1041690 to show changes.	ECN 63650
177 Case IH – Float Module Completion, page 423	Superseded bundle B7043 with B7476. Superseded CNH transition frame assembly 347300 with 357567. Updated illustration 1034925 to 1043626 to show changes. Anchor mount support 357678 superseded by 284976.	ECN 63619 ECN 64609 ECN 64872
178 Case IH – Hydraulic/ Electrical Completion, page 425	Superseded bundle B7056 with bundle B7507. Superseded CNH completion harness 323941 with harness 368376. Added part descriptions for valve driver module, lock washer, and panel nut to reference item #20 and revised the associated footnote for clarity. Updated illustration 1041693 to 1043611 to show changes.	ECN 64329
	Added transistor plug 349362. Updated illustration from 1041693 to 1043611 to show changes.	ECN 64689
180 Case IH 2300/2500 Series – Hydraulic/Electrical Completion, page 431	Added panel nut 134728 and lock washer 134730, updated illustration from 1039536 to 1041603 to show changes.	ECN 64112
181 CLAAS – Float Module Completion, page 433	Superseded latch 337311 with latch 335849.	ECN 62425

Section	Summary of Change	Internal Use Only
183 CLAAS – Electrical Completion, page 439	Superseded CLAAS coupler harness 276630 with harness 323936, revised footnotes on harnesses 213824 and 129772.	ECN 63909
	Coupler module 328440 superseded by 500605.	ECN 64543
186 John Deere T Series – Float Module Completion, page 447	Corrected JD LL transition frame with decal assembly 351371 with 357171.	Technical Publications
187 John Deere X9 Series – Float Module Completion, page 449	Superseded JD-X9 transition frame kit B7287 with B7533. Updated illustration from 1038671 to 1042361 to show changes.	ECN 64613
189 John Deere X9 Series – Electrical Completion, page 455	Superseded completion harness 347560 with completion harness 335971. Superseded module bracket 347502 with module bracket 357989. Updated illustration from 1039630 to 1041732 to show changes.	ECN 62887
	Revised description of pass-thru tilt plug 323698.	ECN 63849
	Added CAN terminator 134043.	Product Support
191 New Holland CR/CX – Hydraulic/Electrical Completion, page 459	Superseded bundle B7056 with bundle B7507. Superseded CNH completion harness 323941 with harness 368376. Added part descriptions for valve driver module, lock washer, and panel nut to reference item #20 and revised the associated footnote for clarity. Updated illustration 1032777 to 1041705 show changes.	ECN 64329
192 New Holland 10 Volt Auto Header Height Control Adapter Kit, page 463	Added cable ties 21763 and 136655, updated illustration from 1039669 to 1041602 to show changes.	ECN 64089
	Removed New Holland 10V Adapter 335161 from the parts list.	Product Support
197 (Option) Hillside Extension, page 475	Hillside Extension kit: B6057 superseded by B7542, kit 312824 superseded by 284975; add gasket kit 312706 and lock nuts 136635. Updated illustration from 1027492 to 1043561.	ECN 64871
198 (Option) Integration Kit – CLAAS, page 477	Coupler module 328440 superseded by 500605.	ECN 64543
–	Removed section *(Option) Integration Kit – John Deere*; John Deere Integration Kit B7237 has been discontinued.	ECN 63633
Throughout	Revised Case and New Holland completion package topic titles for clarity.	Parts
Throughout	Revised notes and footnotes for clarity.	Technical Publications

Introduction i
Abbreviations ii
Serial Number Breaks iii
Summary of Changes – D2 Series and FM200 (MD #262329 Rev. A) iv

1 **Header Frame End Panels** 1
2 **Header Frame – Split Frame Hardware** 3
3 **Manual Case and Knife Storage** 5
4 **Float Module Transition Pan** 7
5 **Divider Cones** 9
6 **Divider Rods and Storage** 11
7 **Endshields – MacDon** 13
8 **Endshields – Case** 15
9 **Endshields – New Holland** 17
10 **Endshield Mount Components** 19
11 **Draper** 21
12 **Draper – Backsheet Panels (D225)** 23
13 **Draper – Backsheet Panels (D230 and D235)** 25
14 **Draper – Backsheet Panels (D241)** 27
15 **Draper – Backsheet Panels (D245)** 29
16 **Draper – Tensioner** 31
17 **Draper – Drive Roller** 33
18 **Draper – Decks (D225, D230, and D235)** 35
19 **Draper – Decks (D241)** 37
20 **Draper – Decks (D245)** 39
21 **Draper – Tracks** 41
22 **Draper – Seals (D225, D230, and D235)** 43
23 **Draper – Seals (D241 and D245)** 45
24 **Draper Deflectors – Narrow** 47
25 **Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, Pointed (D230 and D235)** 49
26 **Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, PlugFree™ (D225 and D230)** 51
27 **Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (D241 and D245)** 53
28 **Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (D241 and D245)** 55
29 **Knives – Single-Knife Headers (D225, D230, and D235)** 57
30 **Knives – Double-Knife Headers (D241)** 61
31 **Knives – Double-Knife Headers (D245)** 65
32 **Knife Drive – Single and Double Knife** 69
33 **Knife Drive Box** 71
34 **Reel Support Arm and Lift Cylinders – Center Arm, Double Reel** 73
35 **Reel Support Arm and Lift Cylinders – Outer Arms, Double Reel** 75
36 **Reel Support Arm and Lift Cylinders – Outer Arms, Single Reel** 77
37 **Reel Arm Components – Right Arm, Single Reel** 79
38 **Reel Arm Components – Right Arm, Double Reel** 81
39 **Reel Arm Components – Center Arm, Double Reel** 83

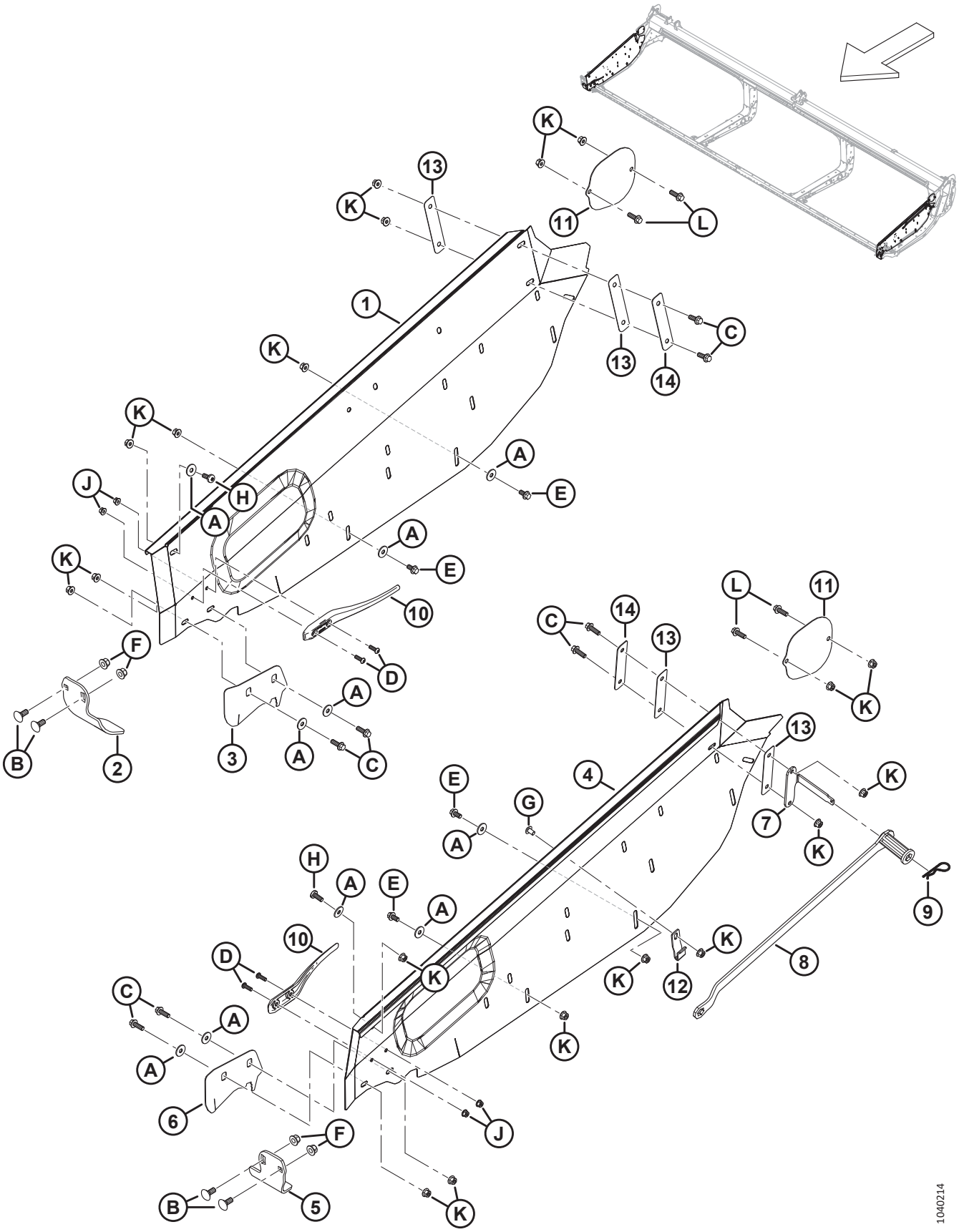
40 Reel Arm Components – Left Arm 85
41 Reel Drive – Single Reel 87
42 Reel Drive – Double Reel 91
43 Reel Cam Components – Right Arm, Double Reel 95
44 Reel – Tine Tube 97
45 Reel Discs – Cam End and Linkage 99
46 Reel Discs – Mid Span 101
47 Reel Discs – Tail End 103
48 Reel – Center Tubes, Single Reel 105
49 Reel – Center Tubes, Double Reel 107
50 Reel – Endshields, Cam End, Outboard (9 Bat) 109
51 Reel – Endshields, Tail End, Outboard (9 Bat) 111
52 Reel – Endshields, Cam End, Outboard (5 Bat and 6 Bat) 113
53 Reel – Endshields, Tail End, Outboard (5 Bat and 6 Bat) 115
54 Reel – Endshields, Cam End, Inboard (5 Bat and 6 Bat) 117
55 Reel – Endshields, Tail End, Inboard (5 Bat and 6 Bat) 119
56 Skid Shoes – End and Center 121
57 Hydraulics – Manifold Fittings and Fasteners 123
58 Hydraulics – Manifold Plugs 125
59 Hydraulics – Knife Drive, Single and Double Knife, Left Side (D225, D230, D235, and D241) 127
60 Hydraulics – Knife Drive, Double Knife, Left Side (D245) 131
61 Hydraulics – Knife Drive, Double Knife, Right Side (D241 and D245) 133
62 Hydraulics – Draper Drive, Center Delivery 135
63 Hydraulics – Draper Drive, Manifold Lines 137
64 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (D225) 139
65 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (D225) 141
66 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (D230, D235, and D241) 143
67 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (D245) 145
68 Hydraulics – Lift and Fore-Aft, Double Reel, Center Arm (D230, D235, D241, and D245) 147
69 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D230 and D235) 149
70 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D241 and D245) 151
71 Hydraulics – Reel Drive, Single Reel 153
72 Hydraulics – Reel Drive, Double Reel 157
73 Hydraulics – Upper Cross Auger 161
74 Hydraulic Line Covers – Center 163
75 Hydraulic Line Covers (D225, D230, and D235) 165
76 Hydraulic Line Covers (D241 and D245) 167
77 Electrical – Harness (D225) 169
78 Electrical – Harness (D230, D235, D241, and D245) 171
79 Electrical – Clearance Lights 173
80 Electrical – Reel Height Sensor 175
81 Electrical – Reel Fore-Aft Sensor (2023 and Prior) 177
82 Electrical – Reel Fore-Aft Sensor (2024 and Later) 179

83 Electrical – Reel Speed Sensor, AGCO and CLAAS 181
84 Electrical – Reel Speed Sensor, John Deere 183
85 Electrical – Reel Speed Sensor, Rostselmash 185
86 Decals and Reflectors – D2 Series 187
87 Decals – Product Identification 189
88 Decals – Product Identification, Case 191
89 Decals – Product Identification, New Holland 193
90 Decals – French 195
91 Decals – Portuguese 197
92 Decals – Russian 199
93 Decals – Spanish 201
94 Paint 203
95 (Option) Crop Lifters and Storage Rack 205
96 (Option) Divider Storage Bracket 207
97 (Option) Dual Use Kit – M1/M2 Series Windrowers 209
98 (Option) Electrical – Reel Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers 211
99 (Option) Electrical – Knife Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers 213
100 (Option) Hydraulic Line Covers – Center (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers 215
101 (Option) Windrower Completion – Retaining Pins for Dual Use Kit, M1/M2 Series Windrowers 217
102 (Option) Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain for Dual Use Kit, M1/M2 Series Windrowers 219
103 (Option) Windrower Completion – Draper Drive Hydraulics, Case Drain Relief for Dual Use Kit, M1/M2 Series Windrowers 221
104 (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use Kit, M1/M2 Series Windrowers 223
105 (Option) Windrower Completion – Hydraulics, Hoses and Latch (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers 225
106 (Option) Draper Header Supports for Dual Use Kit, M1/M2 Series Windrowers 231
107 (Option) EasyMove™ – Slow Speed Transport, Base Kit and Stabilizer Wheels 233
108 (Option) EasyMove™ – Slow Speed Transport, Wheels, Tires, and Tow Poles 239
109 (Option) Endshield Conversion Kits 243
110 (Option) Floating Crop Dividers 245
111 (Option) Four-Point Guard Kits, Single Knife 249
112 (Option) Four-Point Guard Kits, Double Knife 251
113 (Option) Header Tilt Foot Switch 253
114 (Option) High Wear Skid Shoes 255
115 (Option) Lodged Crop Reel Fingers 257
116 (Option) Module Programming Kit 259
117 (Option) Reel Tine Tube Conversion Kits – Double Reel, 5 Bat to 6 Bat 261
118 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat 265
119 (Option) Reel – Two Speed 269
120 (Option) Rice Divider Rods 271
121 (Option) Rock Retarder Kit 273

122 (Option) Service Kit – Pointed Guards, Coarse Knives 275
123 (Option) Service Kit – PlugFree™ Guards, Coarse Knives 277
124 (Option) Service Kit Plus – PlugFree™ Guards, Single Knife 279
125 (Option) Service Kit Plus – PlugFree™ Guards, Double Knife 281
126 (Option) Service Kit Plus – Pointed Guards, Single Knife 283
127 (Option) Service Kit Plus – Pointed Guards, Double Knife 285
128 (Option) Stabilizer Wheels 287
129 (Option) Steel Finger Kit 291
130 (Option) Steel Reel End Finger Kits 293
131 (Option) Stubble Lights 295
132 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors 297
133 (Option) Sunflower Attachment – Base Kit – Pans and Supports 301
134 (Option) Sunflower Attachment – Deflector Kits 303
135 (Option) Sunflower Attachment – Pans 305
136 (Option) Upper Cross Auger – Two-Piece Auger (D225, D230, D235, and D241) 307
137 (Option) Upper Cross Auger – Three-Piece Auger (D245) 311
138 (Option) VertiBlade™ Vertical Knife Kit 315
139 (Option) VertiBlade™ Vertical Knife Components 319
140 (Option) VertiBlade™ Vertical Knife Hydraulics 323
141 Frame Components – Float Module 325
142 Pump, Gearbox, and Input Drive 327
143 Pump Assembly 329
144 Integrated Pump – Service Parts 331
145 Gearbox Assembly 335
146 Input Drive Assembly 339
147 Input Driveline and Support 343
148 Input Driveline and Support – High Angle 345
149 Input Driveline Conversion Kits 349
150 Auger Drum and Internal Components 351
151 Auger Assembly – Right Arm 353
152 Auger Assembly – Left Arm 357
153 Auger – Float Linkage 361
154 Auger Completion 363
155 Auger Conversion Kits – Fingers and Flighting 365
156 Auger – Crop Deflector Kits 367
157 Auger – Grease Lines 369
158 Float Linkage and Float Setting and Measuring 371
159 Float Lock Pivot Rework Kit 375
160 Float Springs 377
161 Float Module Attaching and Filler Components – FM200 to D2 Series 379
162 Feed Deck – Frame, Pivot Pins, and Front Support 381
163 Feed Deck – Draper 383
164 Feed Deck – Drive/Idler Roller and Tensioner 385

165 Feed Deck – Pans and Fillers 389
166 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft 391
167 Hydraulics – Feed Deck 395
168 Hydraulics – Suction and Return 397
169 Hydraulics – Float Module to Header Manifold 399
170 Electrical – Base 401
171 Electrical – FM200 to Combine Cab 403
172 Decals and Reflectors – FM200 409
173 Challenger®, Massey Ferguson®, and Gleaner® – Float Module Completion 411
174 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/Electrical Completion 413
175 IDEAL™ Series – Float Module Completion 417
176 IDEAL™ Series – Hydraulic/Electrical Completion 419
177 Case IH – Float Module Completion 423
178 Case IH – Hydraulic/Electrical Completion 425
179 Case IH 2300/2500 Series – Float Module Completion 429
180 Case IH 2300/2500 Series – Hydraulic/Electrical Completion 431
181 CLAAS – Float Module Completion 433
182 CLAAS – Hydraulic Completion 435
183 CLAAS – Electrical Completion 439
184 John Deere S Series – Float Module Completion 441
185 John Deere S and T Series – Hydraulic/Electrical Completion 443
186 John Deere T Series – Float Module Completion 447
187 John Deere X9 Series – Float Module Completion 449
188 John Deere X9 Series – Hydraulic Completion 451
189 John Deere X9 Series – Electrical Completion 455
190 New Holland CR/CX – Float Module Completion 457
191 New Holland CR/CX – Hydraulic/Electrical Completion 459
192 New Holland 10 Volt Auto Header Height Control Adapter Kit 463
193 Rostselmash – Float Module Completion 465
194 Rostselmash – Hydraulic/Electrical Completion 467
195 (Option) Extended Center Filler 471
196 (Option) FM200 Fillers and Links 473
197 (Option) Hillside Extension 475
198 (Option) Integration Kit – CLAAS 477
199 (Option) Stripper Bars 479
Index 482

1 Header Frame End Panels

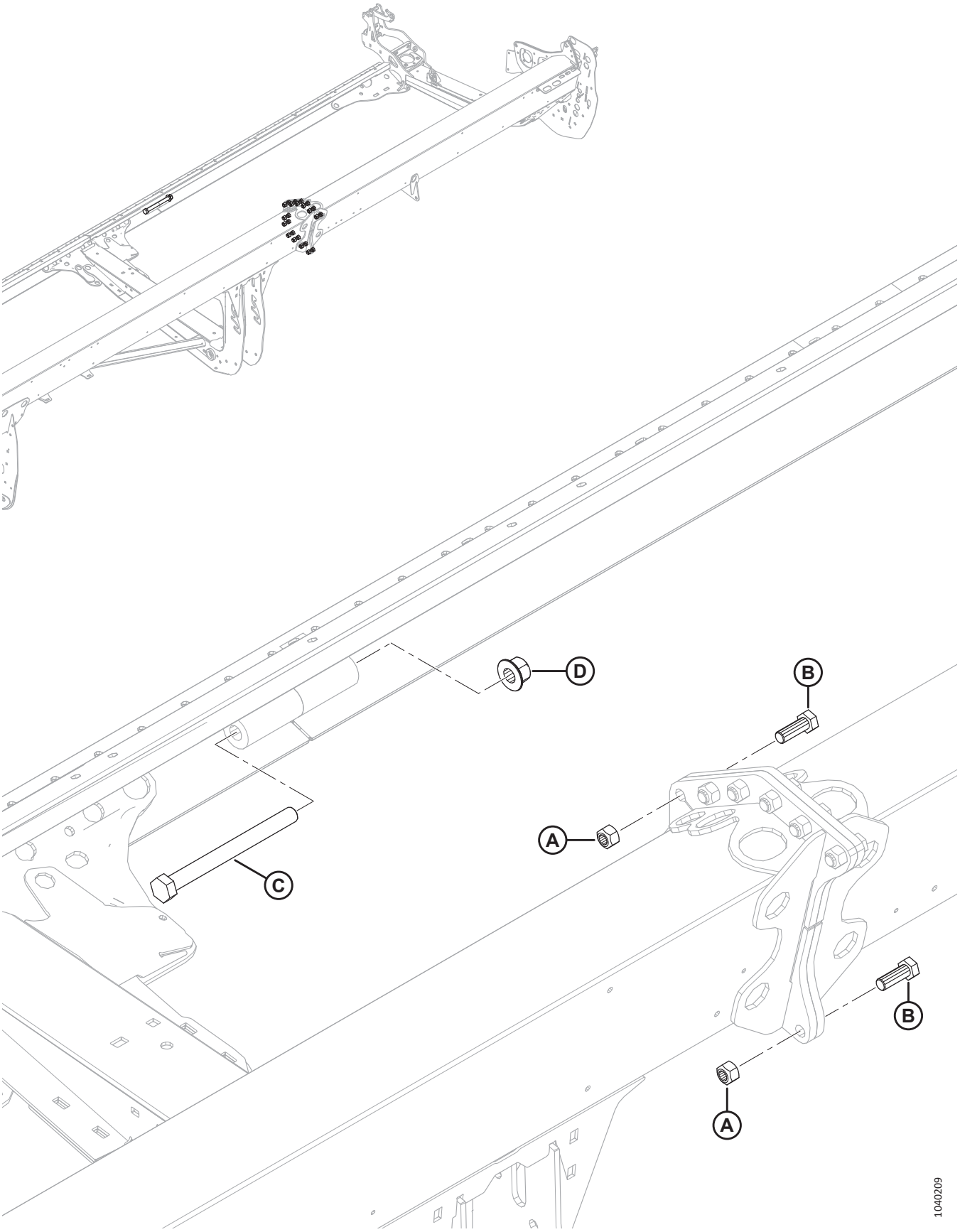


HEADER FRAME END PANELS

Ref	Part Number	Description	Qty	Serial Number
1	360749	END PANEL – RH	1	
2	289358	GUARD – RH KNIFE HEAD	1	
3	360751	COVER – RH KNIFE OPENING [1]	1	
4	360748	END PANEL – LH	1	
5	289220	GUARD – LH KNIFE HEAD	1	
6	360750	COVER – LH KNIFE OPENING [1]	1	
7	340122	BRACKET – WRENCH HOLDER	1	
8	**360361**	**KIT - HEADER ADJ TOOL W/ INST[2]**	**1**	
9	13125	PIN – HAIR	1	
10	289742	DEFLECTOR – FINGER	2	
11	289261	SHIELD – UCA COVER	2	
12	340113	RETAINER – WRENCH FRONT	1	
13	340193	INSULATOR – HEADER PANELS	4	
14	340215	PLATE	2	
A	184712	WASHER – FLAT LARGE M10-200HV		
B	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
C	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
D	184649	SCREW – HEX SOC BTN HD M8 X 1.25 X 25		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
H	320304	SCREW – TORX TRUSS HD M10 X 1.5 X 25-SPCL-8.8-ZINC		
J	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		

1. Not recommended in all conditions. Used primarily in rice and fine grasses to keep crop from getting caught in the delivery opening.
2. Kit includes header adjuster tool (NSS) and instructions.

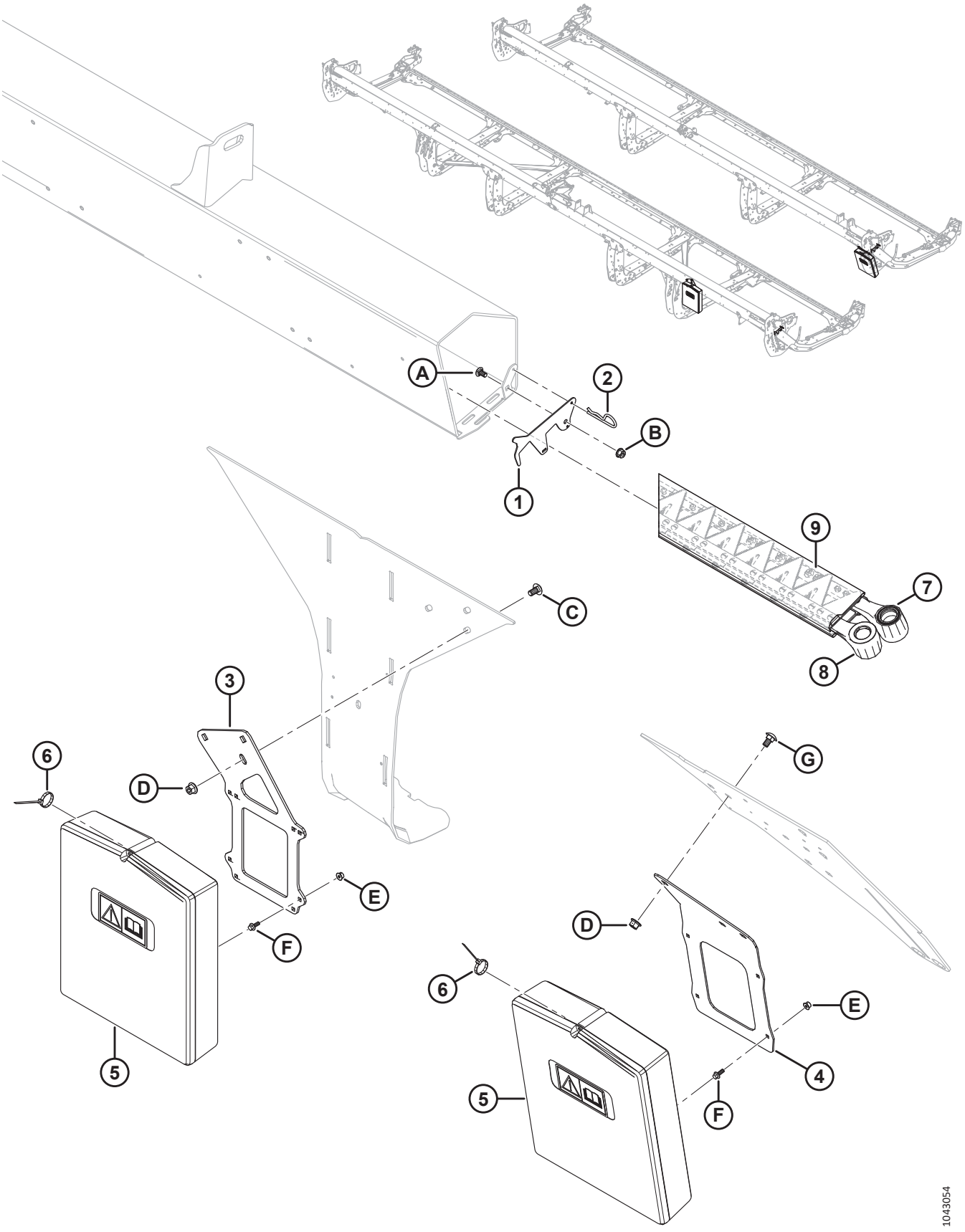
2 Header Frame – Split Frame Hardware



HEADER FRAME – SPLIT FRAME HARDWARE

Ref	Part Number	Description	Qty	Serial Number
A	320026	NUT – HEX TOP LOCK M16 X 2-10-ZINC		
B	136671	BOLT – HEX HD M16 X 2 X 45-10.9-ZINC		
C	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
D	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		

3 Manual Case and Knife Storage

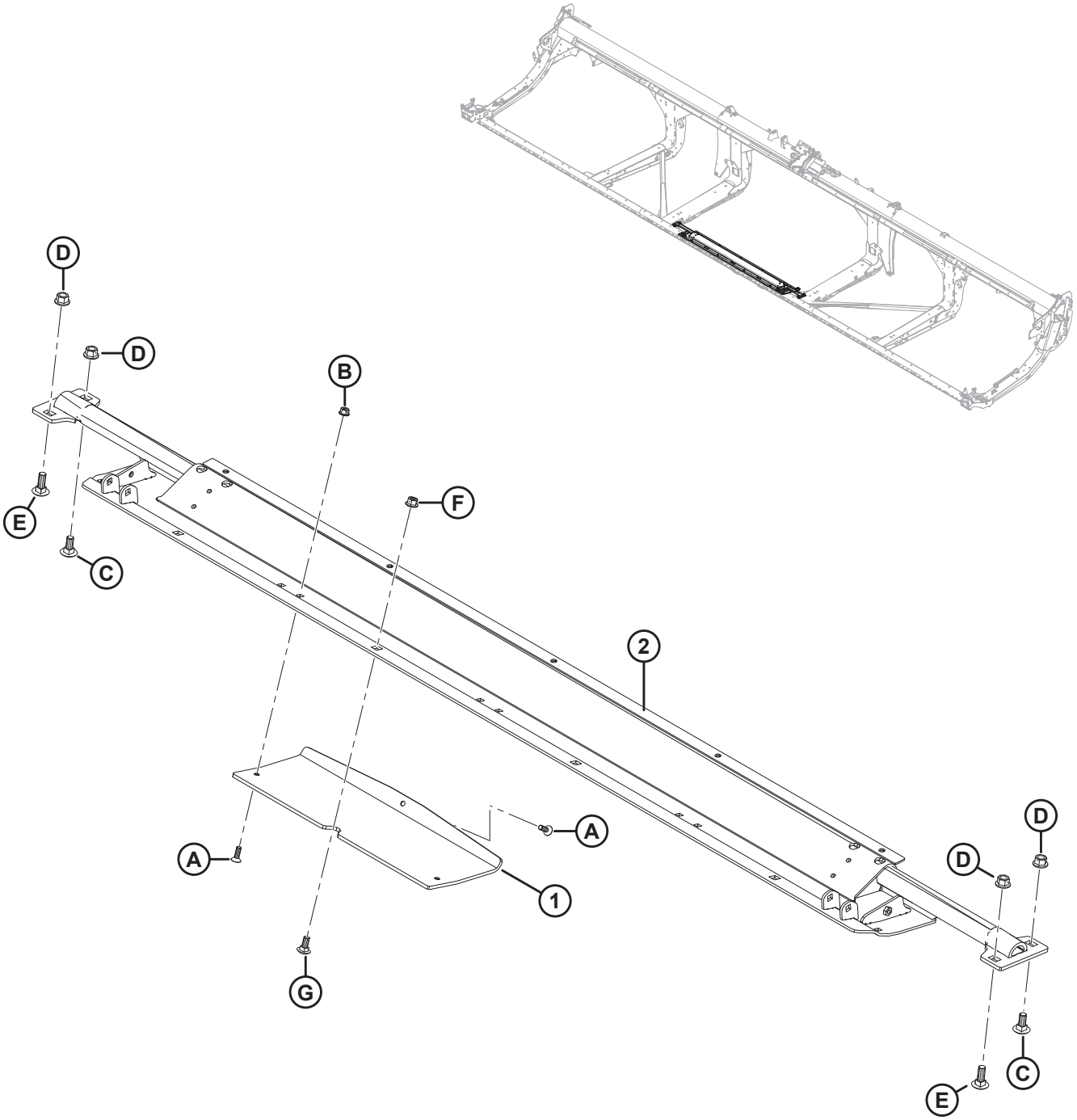


MANUAL CASE AND KNIFE STORAGE

Ref	Part Number	Description	Qty	Serial Number
1	286741	LATCH – RETAINER, KNIFE STORAGE	1	
2	13125	PIN – HAIR	1	
3	360175	SUPPORT – MANUAL CASE (D230, D235, D241, and D245 headers) [3]	1	
4	360166	SUPPORT – MANUAL CASE (D225 headers) [4]	1	
5	**220107**	**CASE – MANUAL**	**1**	
6	21763	FASTENER – CABLE TIE, BLACK	1	
7	**REF**	**KNIFE – SPARE, SK** [5]	**1**	
	REF	**KNIFE – SPARE, DK, LH** [6]	**1**	
8	**REF**	**KNIFE – SPARE, DK, RH** [6]	**1**	
9	**NSS**	**SHIELD – KNIFE**	**A/R**	
A	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J [3]		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
G	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J [4]		

3. Used on D230, D235, D241, and D245 headers.
4. Used on D225 headers.
5. For service parts, refer to Section *29 Knives – Single-Knife Headers (D225, D230, and D235), page 57*.
6. For service parts, refer to Sections *30 Knives – Double-Knife Headers (D241), page 61*, and *31 Knives – Double-Knife Headers (D245), page 65*.

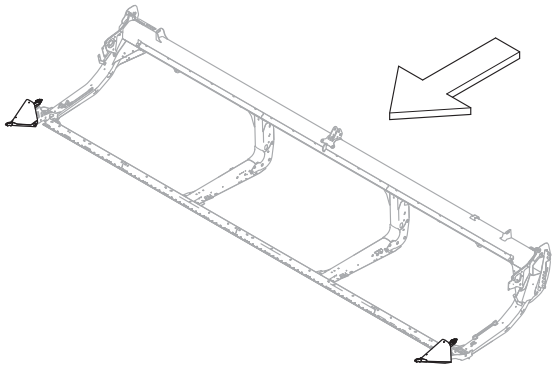
4 Float Module Transition Pan

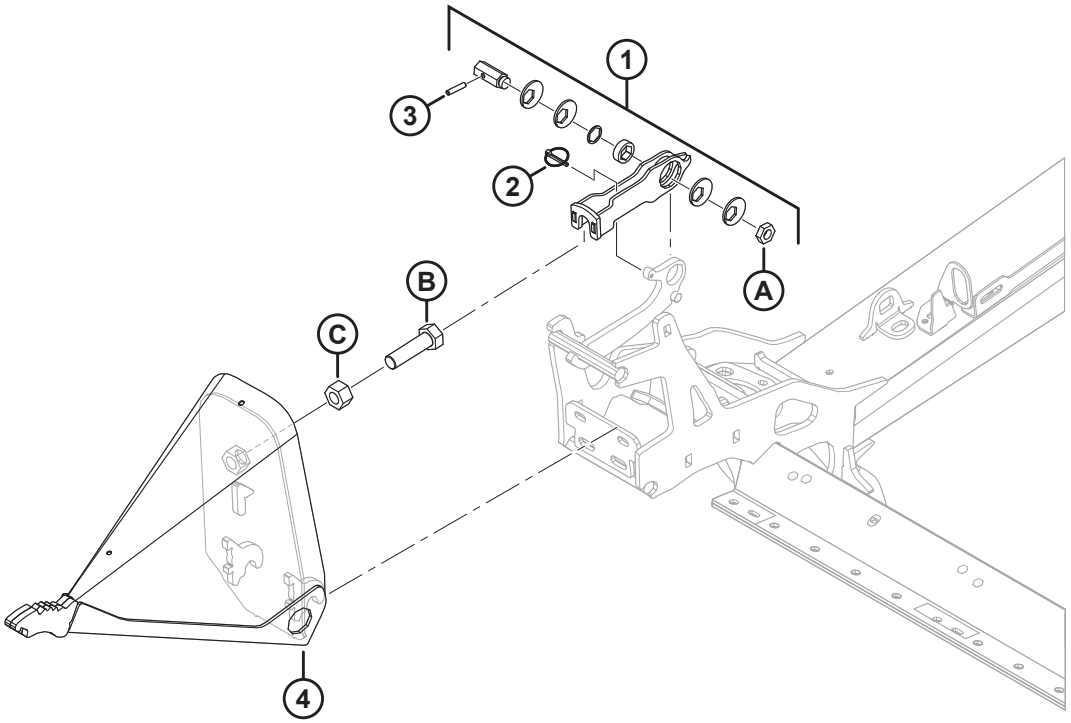


FLOAT MODULE TRANSITION PAN

Ref	Part Number	Description	Qty	Serial Number
1	357797	SHOE – TRANSITION PAN SKID	4	
2	301115	PAN – RIGID TRANSITION WELDT	1	
A	136492	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 25-10.9-AA1J	12	
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J	8	
C	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC	2	
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10	4	
E	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC	2	
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10	4	
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J	4	

5 Divider Cones





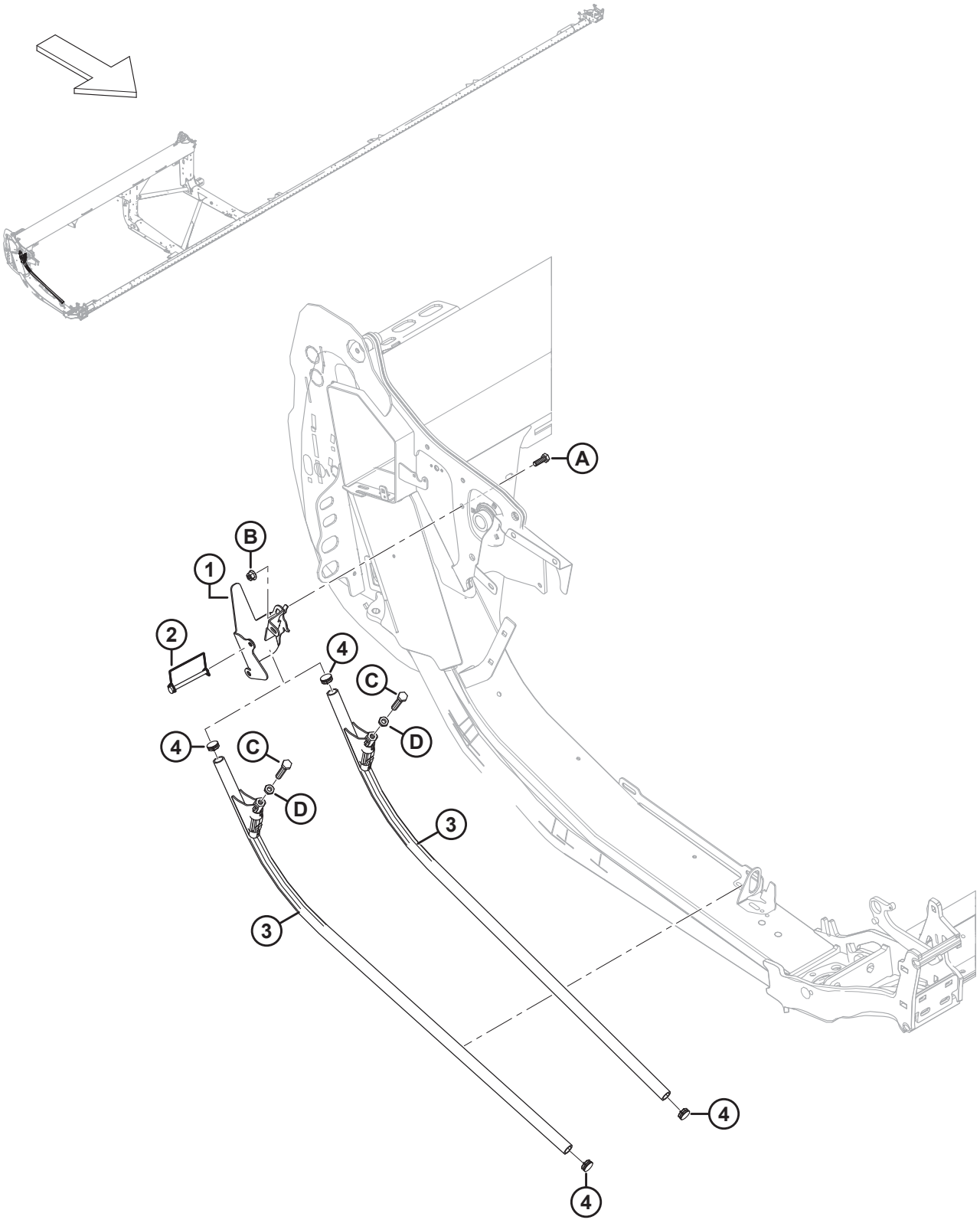
1032287

DIVIDER CONES

Ref	Part Number	Description	Qty	Serial Number
1	313767	KIT – DIVIDER LATCH [7]	2	
2	50193	PIN – LYNCH	2	
3	16266	PIN – SPRING 1/4 DIA X 1.25 LG	2	
4	289235	DIVIDER ASSEMBLY – LH [8]	1	
	289359	DIVIDER ASSEMBLY – RH [8]	1	
A	320218	NUT – HEX THIN M16 X 2-SPCL-5-ZINC		
B	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
C	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		

7. The Divider Latch kit includes latch (NSS), lynch pin (MD #50193), spring pin (MD #16266), eccentric disc (NSS), bushing (NSS), hexagonal shaft (NSS), shim (NSS), latch (NSS), decals (MD #289762, MD #289763), and nut (MD #320218). For decals, refer to Section *86 Decals and Reflectors – D2 Series, page 187*.
8. Includes bolt (MD #136339) and nut (MD #136342).

6 Divider Rods and Storage



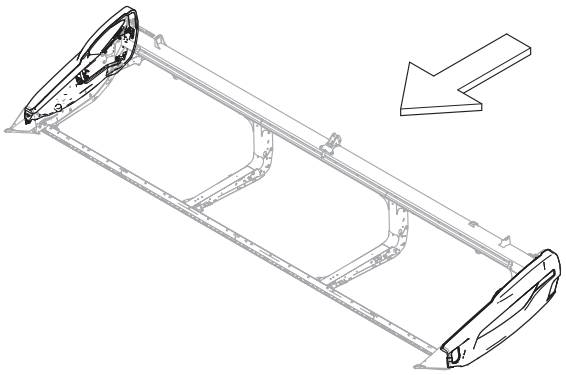
1038599

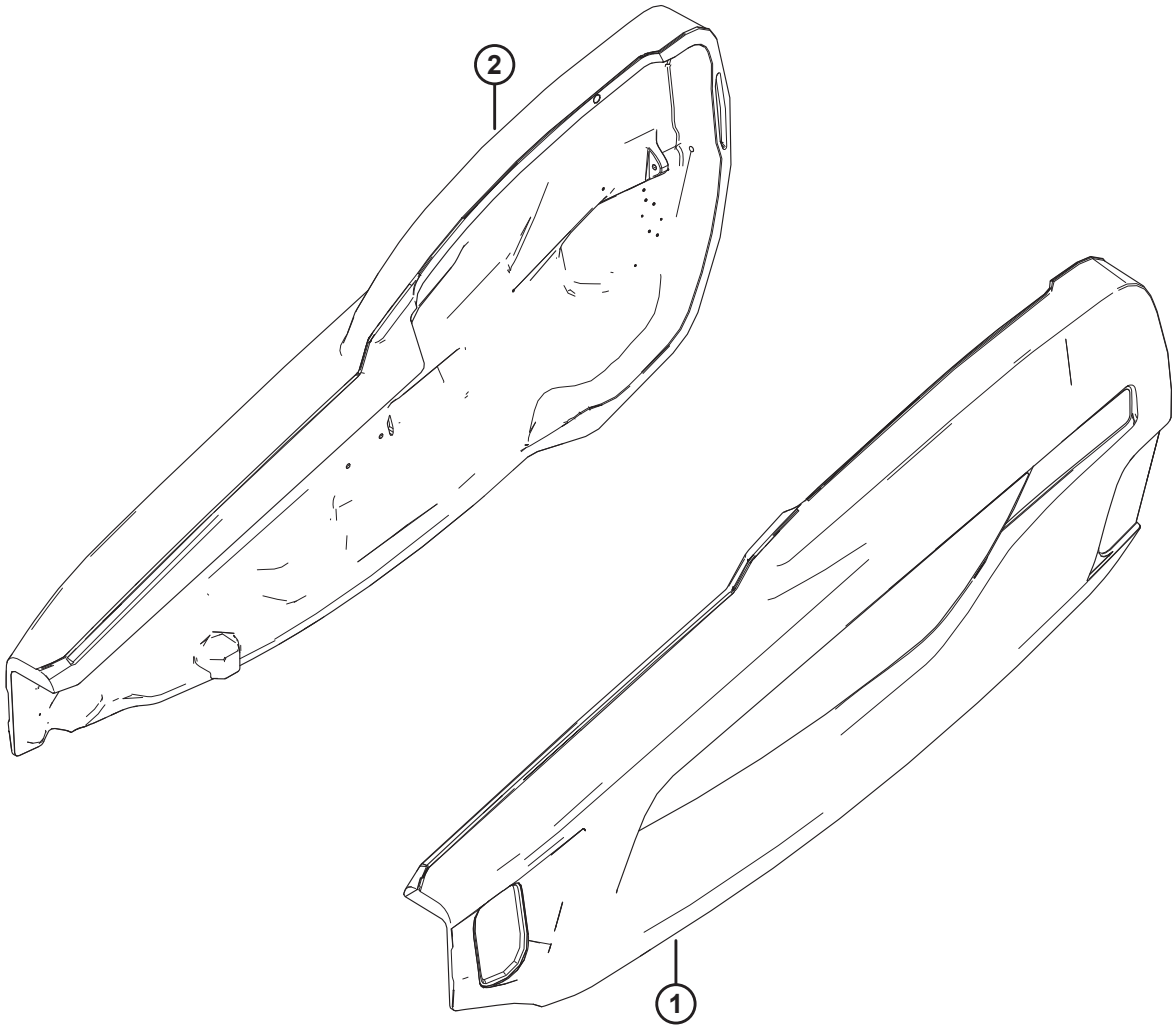
DIVIDER RODS AND STORAGE

Ref	Part Number	Description	Qty	Serial Number
1	360127	SUPPORT WELDT – ROD STORAGE	1	
2	136749	PIN – LYNCH	1	
3	289654	DIVIDER – ROD ASSY [9]	2	
4	335301	PLUG – PLASTIC, SNAP-IN	2	
A	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
D	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		

9. Includes bolt (MD #252541), nut (MD #184696), and two plugs (MD #335301).

7 Endshields – MacDon



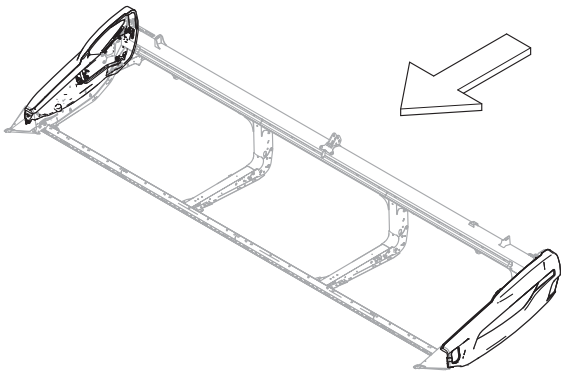


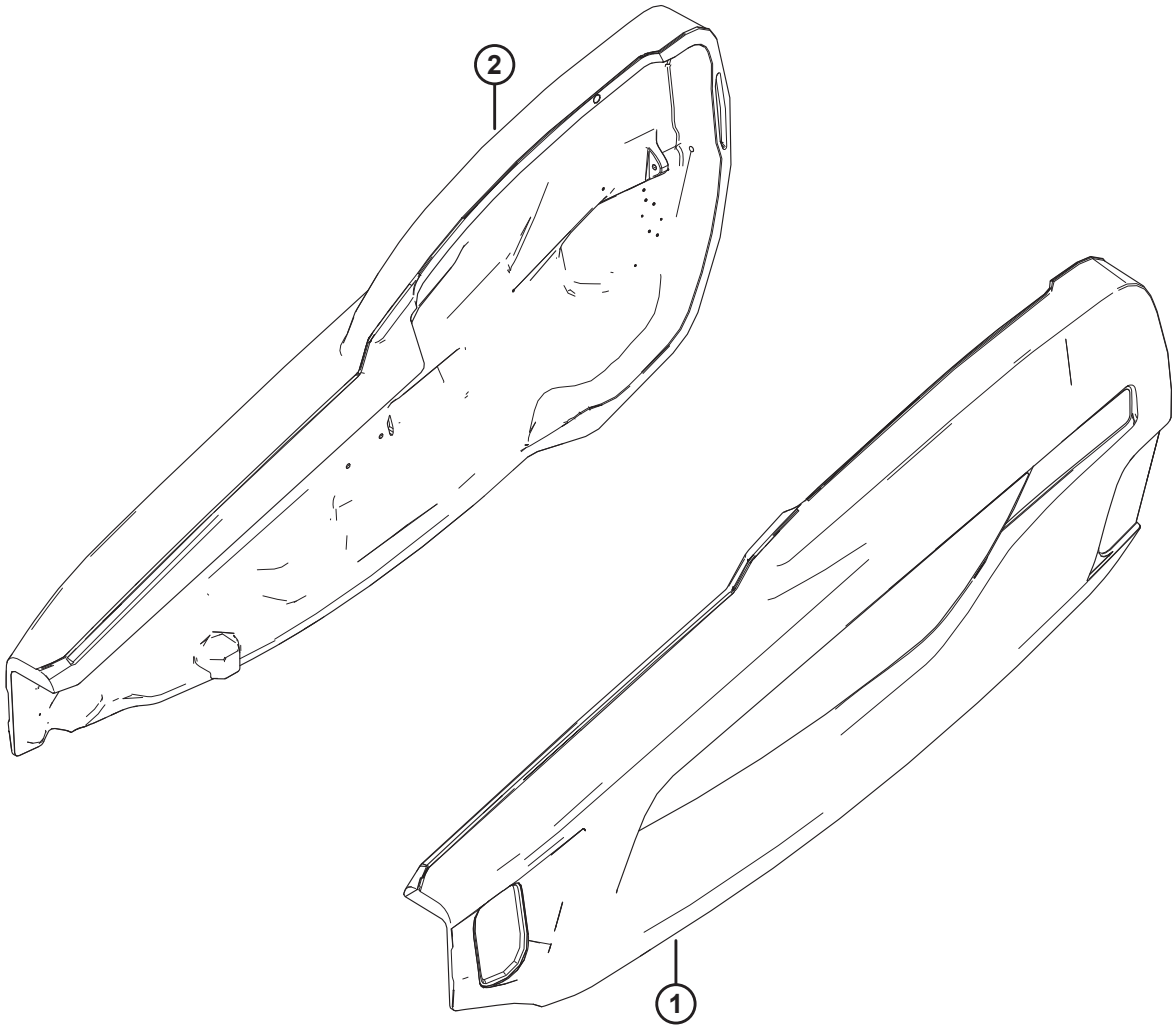
1034956

Ref	Part Number	Description	Qty	Serial Number
1	360554	SHIELD ASSY – BLACK, LH [10]	1	
2	360555	SHIELD ASSY – BLACK, RH [10]	1	
	165524	REFLECTOR – RED, 230 MM [11]		

10. Refer to Section *87 Decals – Product Identification, page 189* for product identification decals.
11. Refer to Section *86 Decals and Reflectors – D2 Series, page 187*. This reflector is used on the right endshield only.

8 Endshields – Case



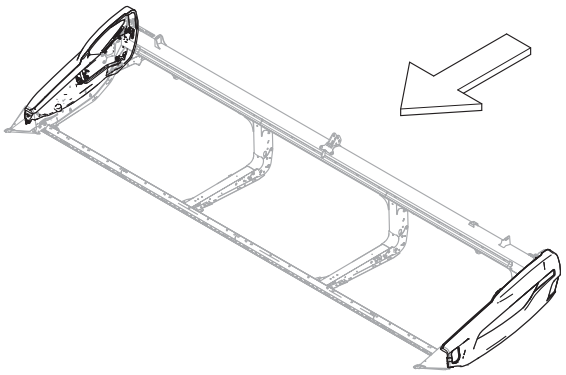


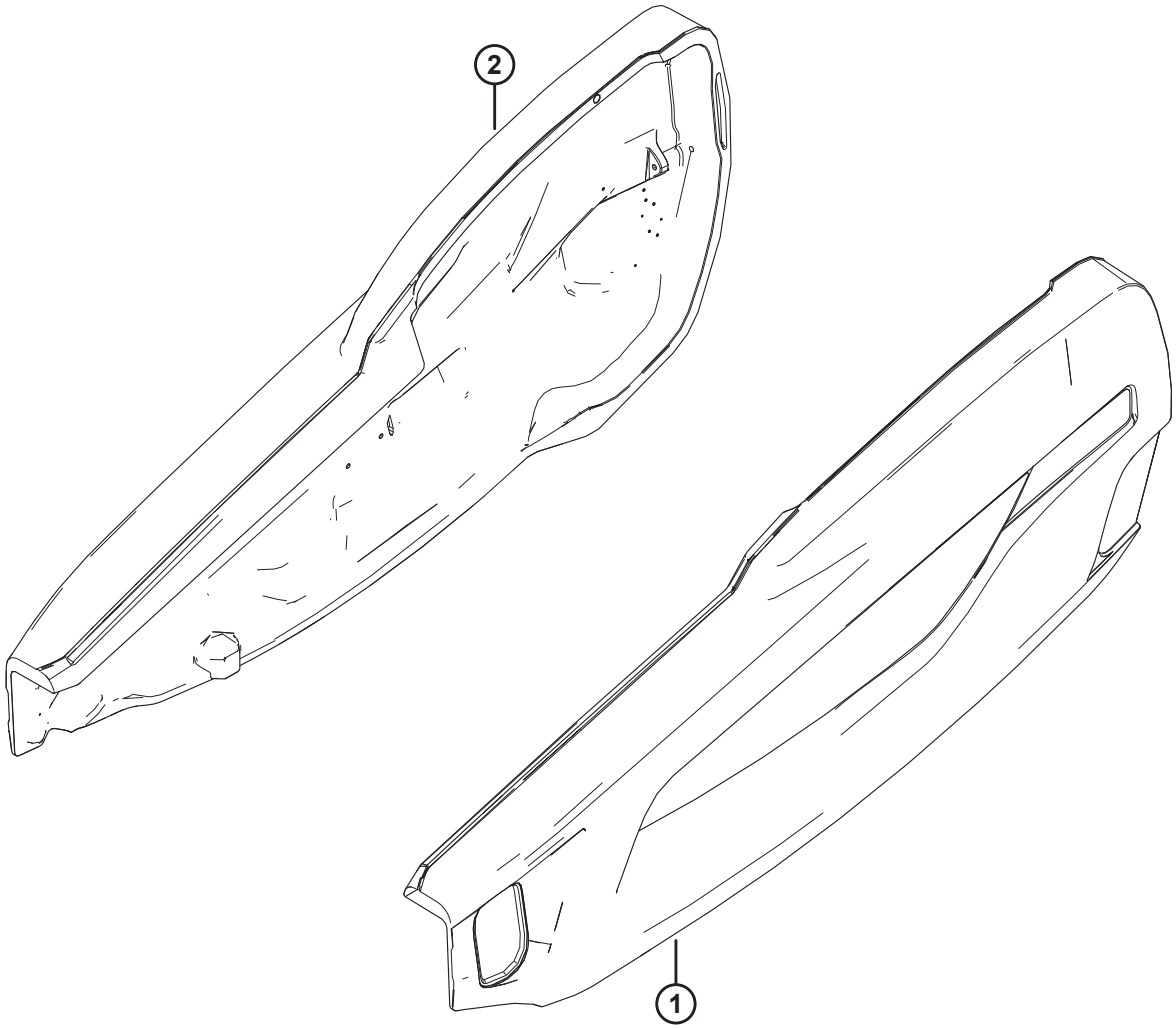
1039649

Ref	Part Number	Description	Qty	Serial Number
1	360552	SHIELD ASSY – CIH AG RED, LH [12]	1	
2	360448	SHIELD ASSY – CIH AG RED, RH [12]	1	
	165524	REFLECTOR – RED, 230 MM [13]		

12. Refer to Section *88 Decals – Product Identification, Case, page 191* for product identification decals.
13. Refer to Section *86 Decals and Reflectors – D2 Series, page 187*. This reflector is used on the right endshield only.

9 Endshields – New Holland



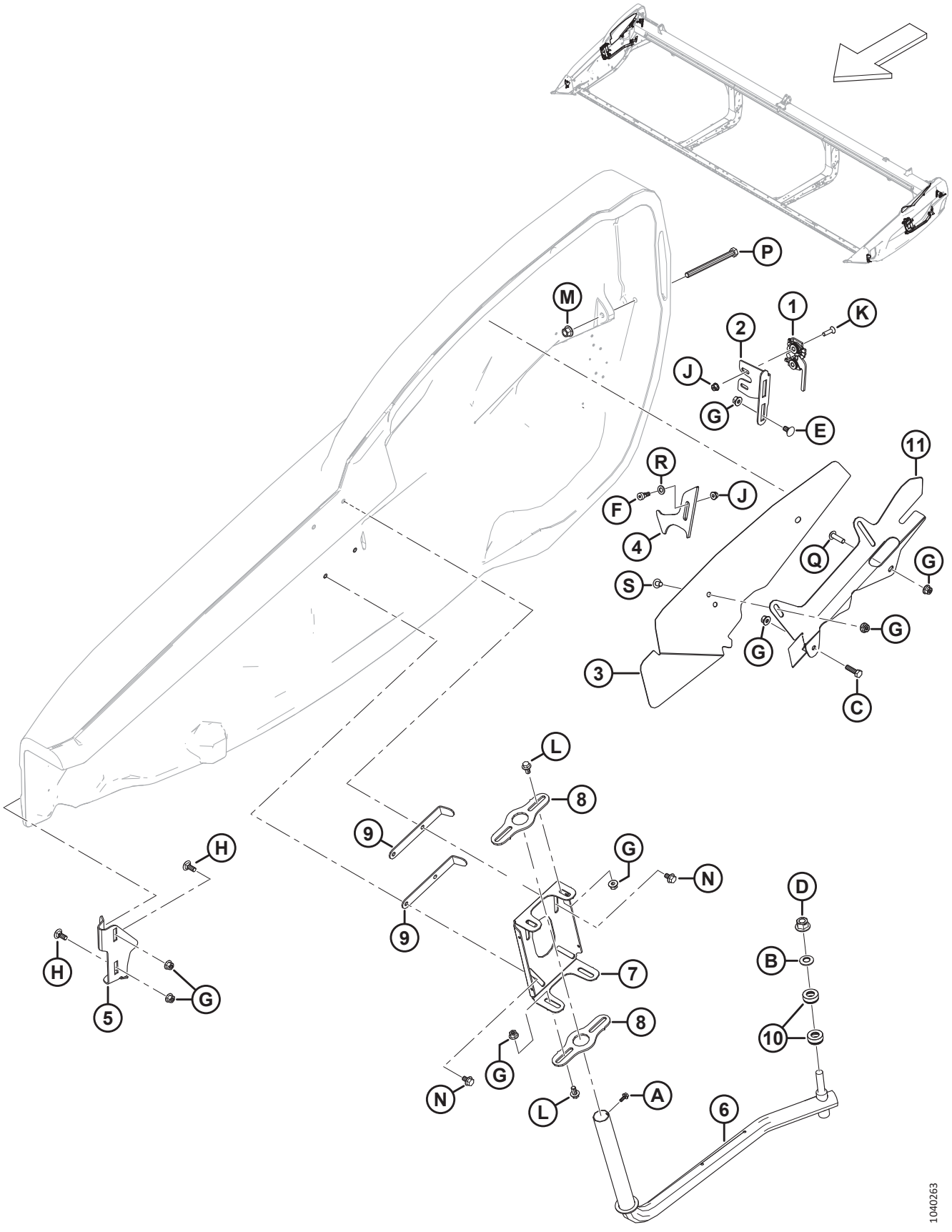


1039650

Ref	Part Number	Description	Qty	Serial Number
1	360553	SHIELD ASSY – NH YELLOW, LH [14]	1	
2	360449	SHIELD ASSY – NH YELLOW, RH [14]	1	
	165524	REFLECTOR – RED, 230 MM [15]		

14. Refer to Section *89 Decals – Product Identification, New Holland, page 193* for product identification decals.
15. Refer to Section *86 Decals and Reflectors – D2 Series, page 187*. This reflector is used on the right endshield only.

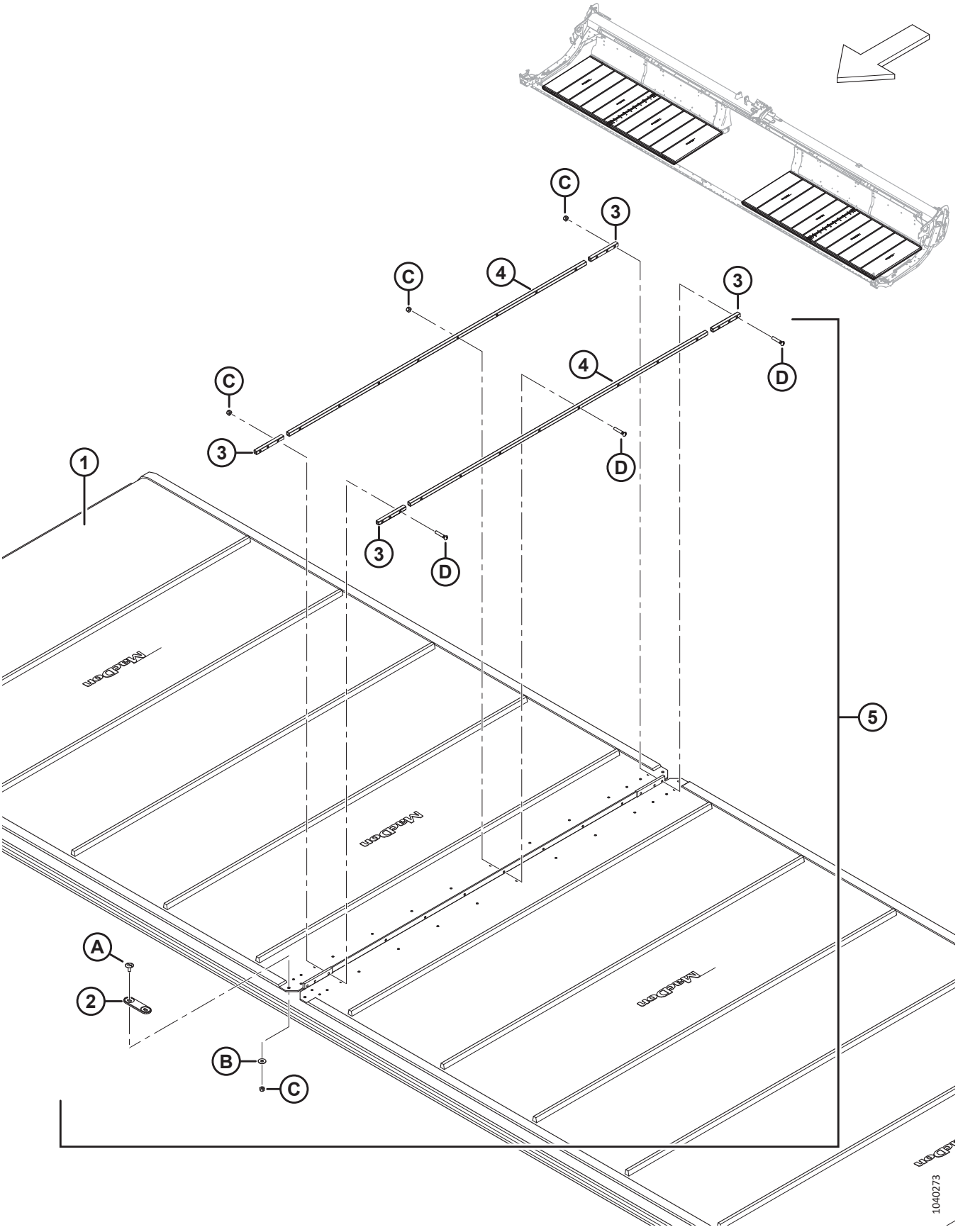
10 Endshield Mount Components



ENDSHIELD MOUNT COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
1	289925	LATCH – RH 2 STAGE	1	
	289924	LATCH – LH 2 STAGE	1	
2	289621	SUPPORT – RH LATCH	1	
	289618	SUPPORT – LH LATCH	1	
3	360379	SHIELD – RH NECK	1	
	360378	SHIELD – LH NECK	1	
4	360798	LATCH – RH	1	
	360797	LATCH – LH	1	
5	289483	SUPPORT – RH FRONT	1	
	289380	SUPPORT – LH FRONT	1	
6	289439	ARM – RH WELDT	1	
	289375	ARM – LH WELDT	1	
7	313432	PIVOT – SHIELD RH	1	
	313303	PIVOT – SHIELD LH	1	
8	313304	PIVOT	4	
9	313783	RETAINER	4	
10	289487	BEARING – THRUST	4	
11	360375	SUPPORT – RH NECK SHIELD	1	
	360374	SUPPORT – LH NECK SHIELD	1	
A	252284	SCREW – HEX WSHR HD M6 X 1 X 16-450HV		
B	184718	WASHER – CON SPRING M16 STL SAE 1050-1075		
C	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
D	136736	NUT – HEX FLG TOP LOCK M16 X 1.5-10-AA2L		
E	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
F	135894	SCREW – HEX SOC HD SHLDR M10		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
H	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
J	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
K	135336	SCREW – CSK MCH M8 X 1.25 X 30 GR5 AA1J		
L	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
M	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
N	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
P	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
Q	320327	SCREW – TORX TRUSS HD M10 X 1.5 X 35-SPCL-8.8-ZINC		
R	184711	WASHER – FLAT REG M10-200HV-AA1J		
S	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		

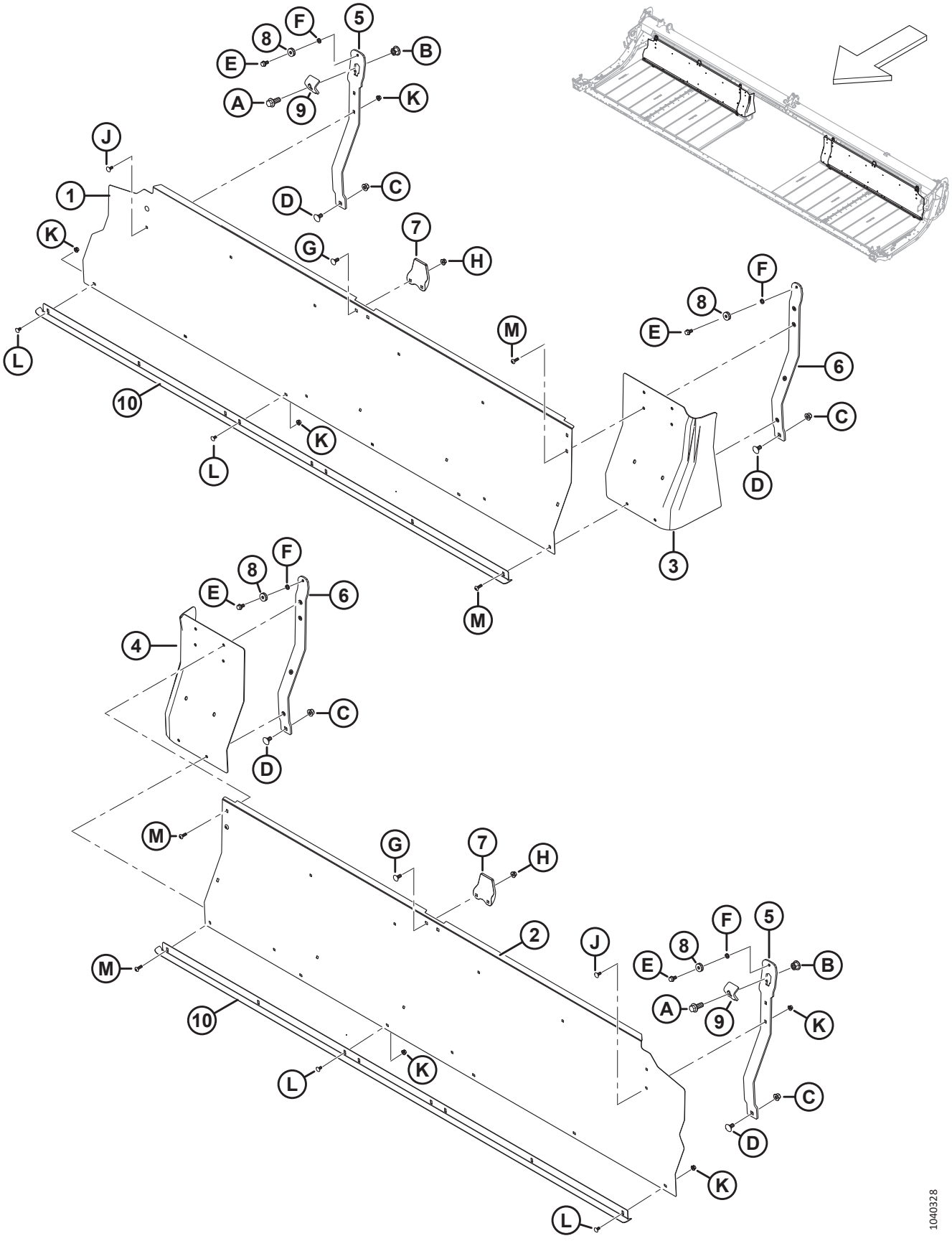
11 Draper



Ref	Part Number	Description	Qty	Serial Number
1	319098	KIT – DRAPER 25 FT, 50 INCH WIDE [16]	2	
	319099	KIT – DRAPER 30 FT, 50 INCH WIDE [16]	2	
	319100	KIT – DRAPER 35 FT, 50 INCH WIDE [16]	2	
	319102	KIT – DRAPER 41 FT, 50 INCH WIDE [16]	2	
	319103	KIT – DRAPER 45 FT, 50 INCH WIDE [16]	2	
	319105	KIT – DRAPER REPAIR 50 INCH, 500 MM (19.7 IN.) LG [17]	A/R	
	319540	KIT – BULK DRAPER 50 IN. [18]	OPT	
2	319662	CONNECTOR – BRIDGE	2	
3	NSS	BAR – CONNECTOR DRAPER HEM [19]	8	
	319347	KIT – DRAPER CONNECTOR 50 INCH, HEM [20]	A/R	
4	NSS	BAR – CONNECTOR DRAPER CENTER [21]	4	
	319346	KIT – DRAPER CONNECTOR 50 INCH, CENTER [22]	A/R	
5	319095	KIT – DRAPER CONNECTOR 50 INCH [23]	2	
A	320148	SCREW – TRUSS SLT HD M6 X 1.0 16-SPCL-8.8-ZINC		
B	184706	WASHER – FLAT LARGE M6-200HV		
C	286479	NUT – CTR LOC CSK M6 X 1 50PK [24]		
D	319345	KIT – SCREW M6 X 34 C/W NUT 30PK [25]		

16. The kit includes draper (NSS) and draper connector kit (MD #319095).
17. The kit includes draper repair piece (NSS) and two draper connector kits (MD #319095).
18. The kit includes a bulk draper roll and instructions.
19. Not sold separately (NSS). Order either the draper hem connector kit (MD #319347) or the draper connector kit (MD #319095).
20. The kit includes two draper hem connector bars (NSS) and hardware (MD #226259 and MD #320240).
21. Not sold separately (NSS). Order either the draper center connector kit (MD #319346) or the draper connector kit (MD #319095).
22. The kit includes two draper center connector bars (NSS) and hardware (MD #226259 and MD #320240).
23. One kit per side; Includes two draper center connector bars (NSS), four draper hem connector bars (NSS), bridge connector (MD #319662), and hardware.
24. The kit includes 50 nuts; used to service hardware C shown in the illustration.
25. The kit includes 30 screws and 30 nuts; used to service hardware D shown in the illustration.

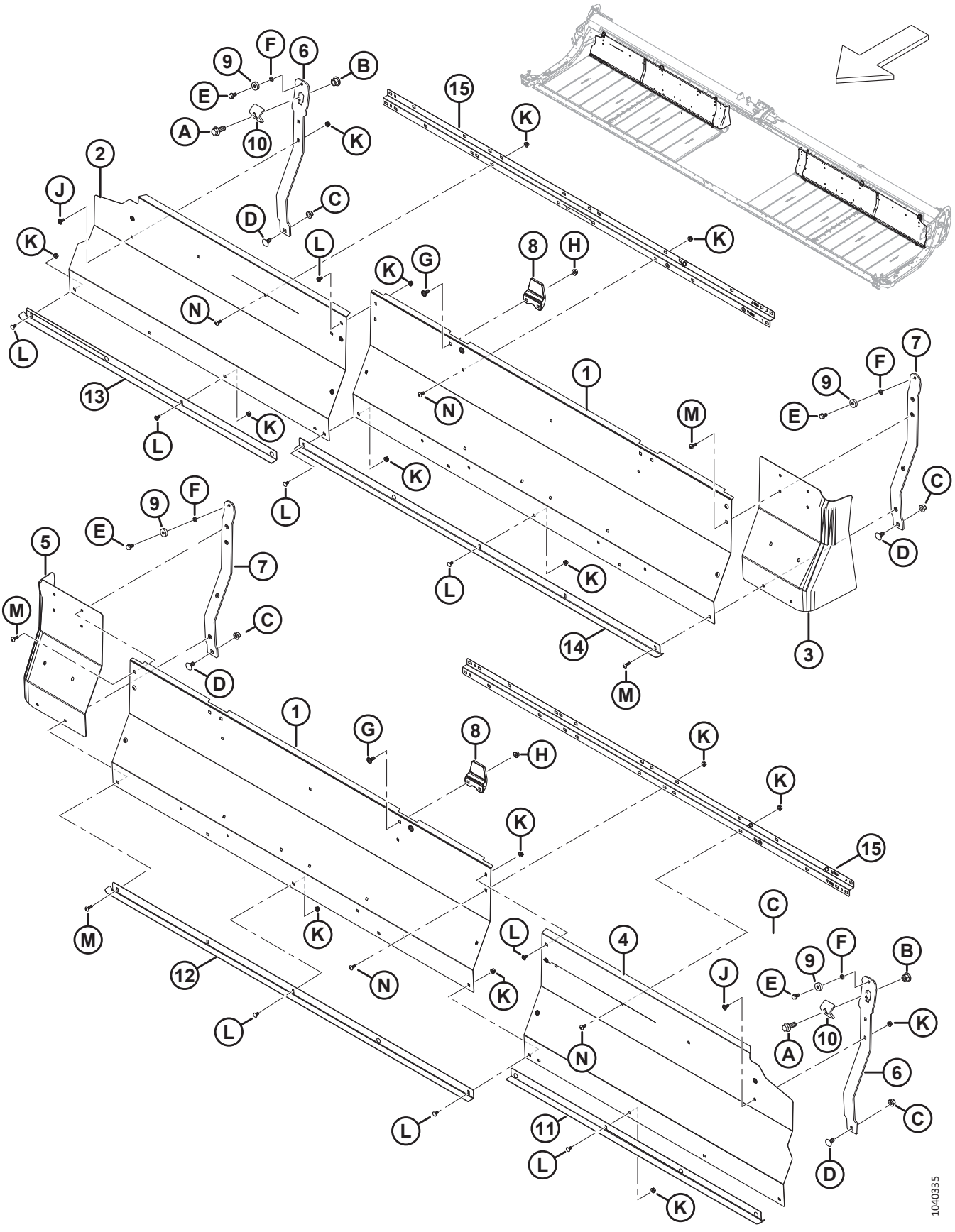
12 Draper – Backsheet Panels (D225)



Ref	Part Number	Description	Qty	Serial Number
1	275405	PANEL – BACKSHEET 25 FT RH	1	
2	275404	PANEL – BACKSHEET 25 FT LH	1	
3	319223	EXTENSION – BACKSHEET RH	1	
4	319222	EXTENSION – BACKSHEET LH	1	
5	275941	SUPPORT – DECK OUTBOARD, RIGID	2	
6	275938	SUPPORT – INBOARD RIGID DECK ASSY [26]	2	
7	145840	GUIDE – BACKSHEET	2	
8	18867	BEARING – BALL CYL OD C/W TWO SEALS	4	
9	145558	CLAMP – DECK SHIFT	2	
10	319721	DEFLECTOR – 25FT	2	
A	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
E	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
F	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
M	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		

26. Includes four rivnuts (MD #320181).

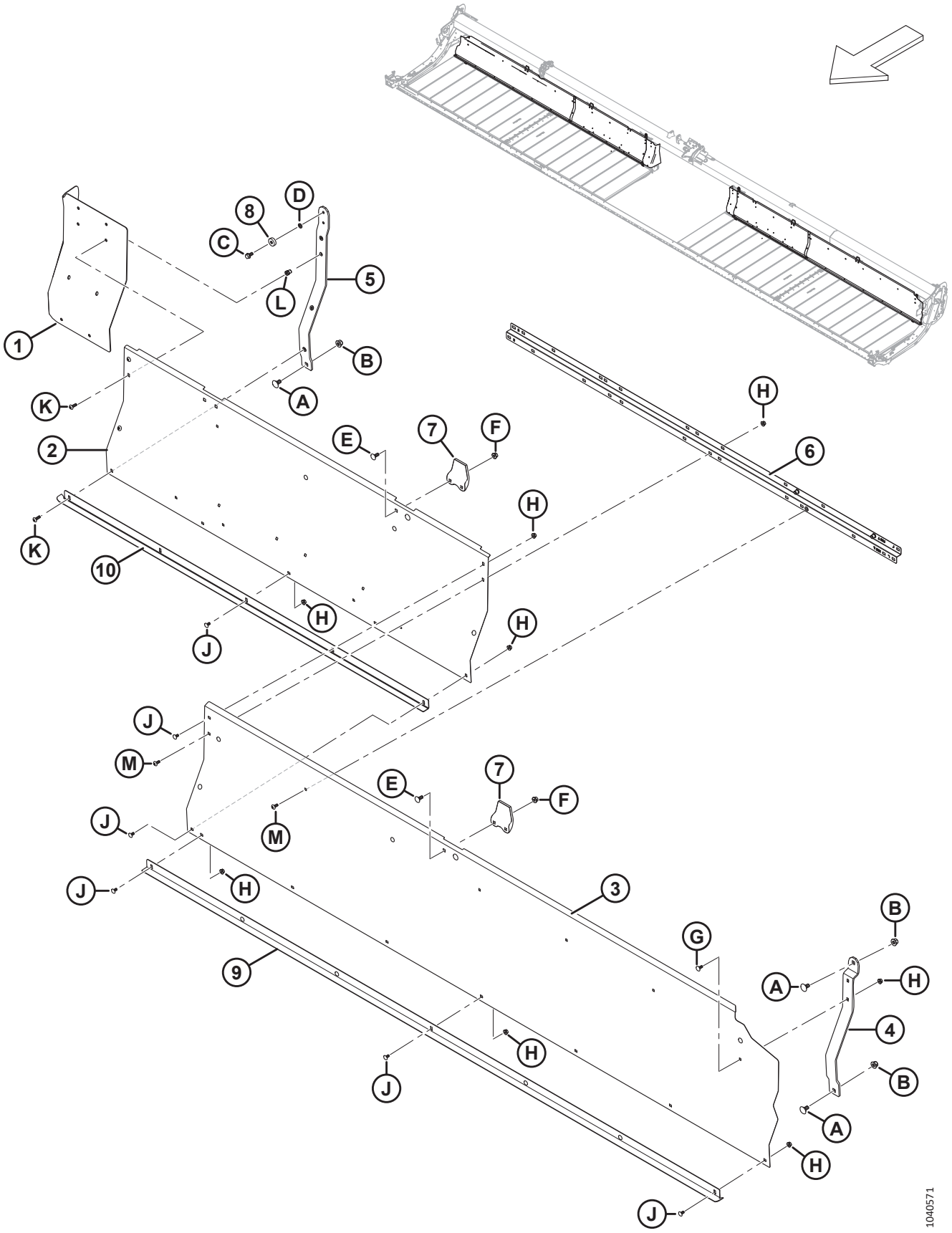
13 Draper – Backsheet Panels (D230 and D235)



Ref	Part Number	Description	Qty	Serial Number
1	275837	PANEL – BACKSHEET 30, 35, 41 FT INNER	2	
2	275461	PANEL – BACKSHEET 30 FT RH OUTER	1	
	275320	PANEL – BACKSHEET 35 FT RH OUTER	1	
3	319223	EXTENSION – BACKSHEET RH	1	
4	275460	PANEL – BACKSHEET 30 FT LH OUTER	1	
	275319	PANEL – BACKSHEET 35 FT LH OUTER	1	
5	319222	EXTENSION – BACKSHEET LH	1	
6	275941	SUPPORT – DECK OUTBOARD, RIGID	2	
7	275938	SUPPORT – INBOARD RIGID DECK ASSY [27]	2	
8	145840	GUIDE – BACKSHEET	2	
9	18867	BEARING – BALL CYL OD C/W TWO SEALS	4	
10	145558	CLAMP – DECK SHIFT	2	
11	319722	DEFLECTOR – LH, 30 FT	1	
	319724	DEFLECTOR – LH, 35 FT	1	
12	319715	DEFLECTOR – LH INBOARD, 30–41 FT	1	
13	319723	DEFLECTOR – RH, 30 FT	1	
	319725	DEFLECTOR – RH, 35 FT	1	
14	319716	DEFLECTOR – RH INBOARD, 30–41 FT	1	
15	360509	SUPPORT – BACKSHEET	2	
A	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
E	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
F	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
G	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
M	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
N	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

27. Includes four rivnuts (MD #320181).

14 Draper – Backsheet Panels (D241)

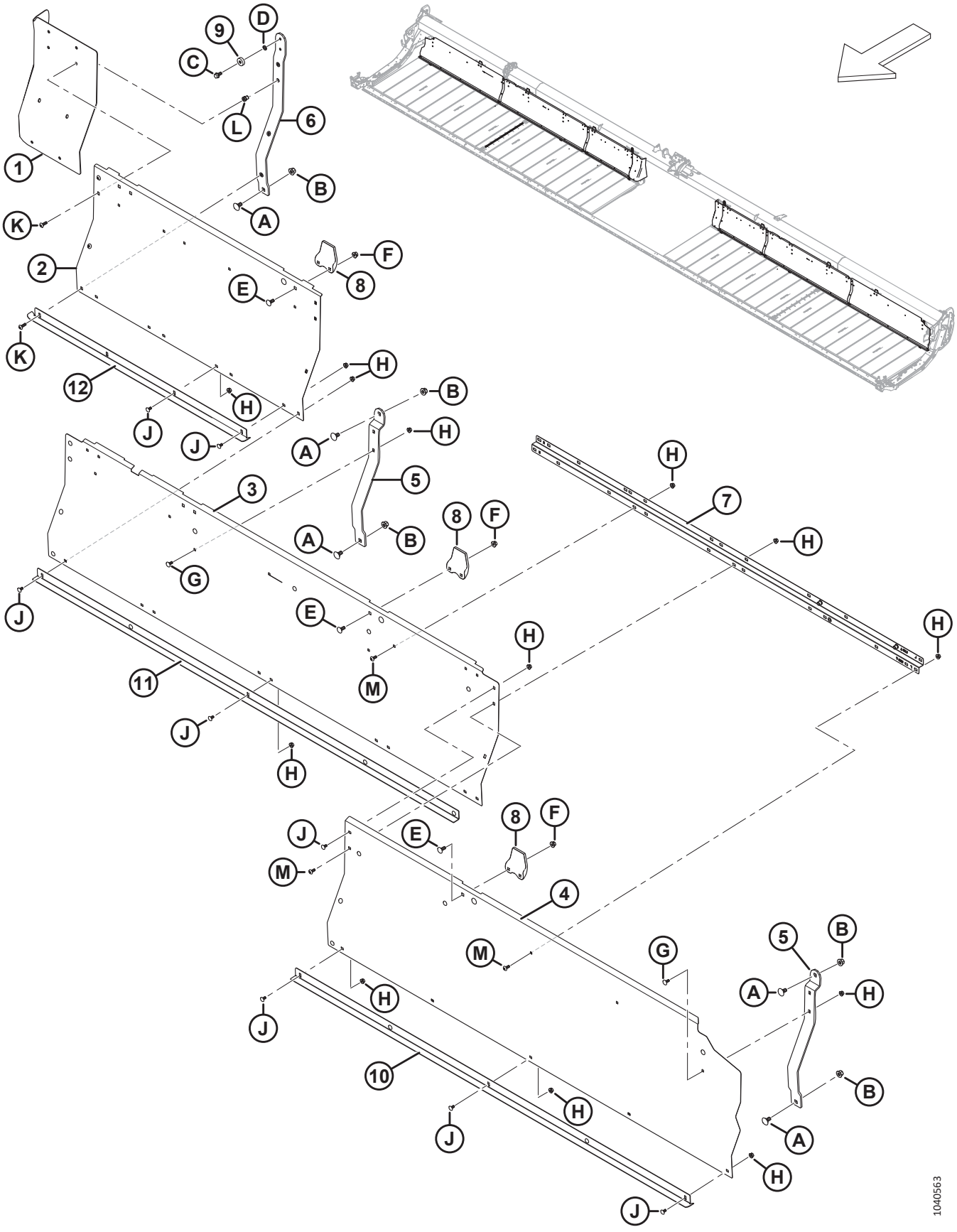


DRAPER – BACKSHEET PANELS (D241)

Ref	Part Number	Description	Qty	Serial Number
1	319222	EXTENSION – BACKSHEET LH	1	
	319223	EXTENSION – BACKSHEET RH	1	
2	275837	PANEL – BACKSHEET 30, 35, 41 FT INNER	2	
3	275484	PANEL – BACKSHEET 41 FT LH OUTER	1	
	275483	PANEL – BACKSHEET 41 FT RH OUTER	1	
4	275675	SUPPORT – DECK	2	
5	319366	KIT – DECK SUPPORT C/W BOLT [28]	2	
6	360509	SUPPORT – BACKSHEET	2	
7	145840	GUIDE – BACKSHEET	4	
8	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
9	319726	DEFLECTOR – LH, 41 FT	1	
	319727	DEFLECTOR – RH, 41 FT	1	
10	319715	DEFLECTOR – LH INBOARD, 30–41 FT	1	
	319716	DEFLECTOR – RH INBOARD, 30–41 FT	1	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
D	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
E	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
K	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
L	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

28. The kit includes inboard flex deck support assembly (NSS), screw (MD #101897), and four rivnuts (MD #320181).

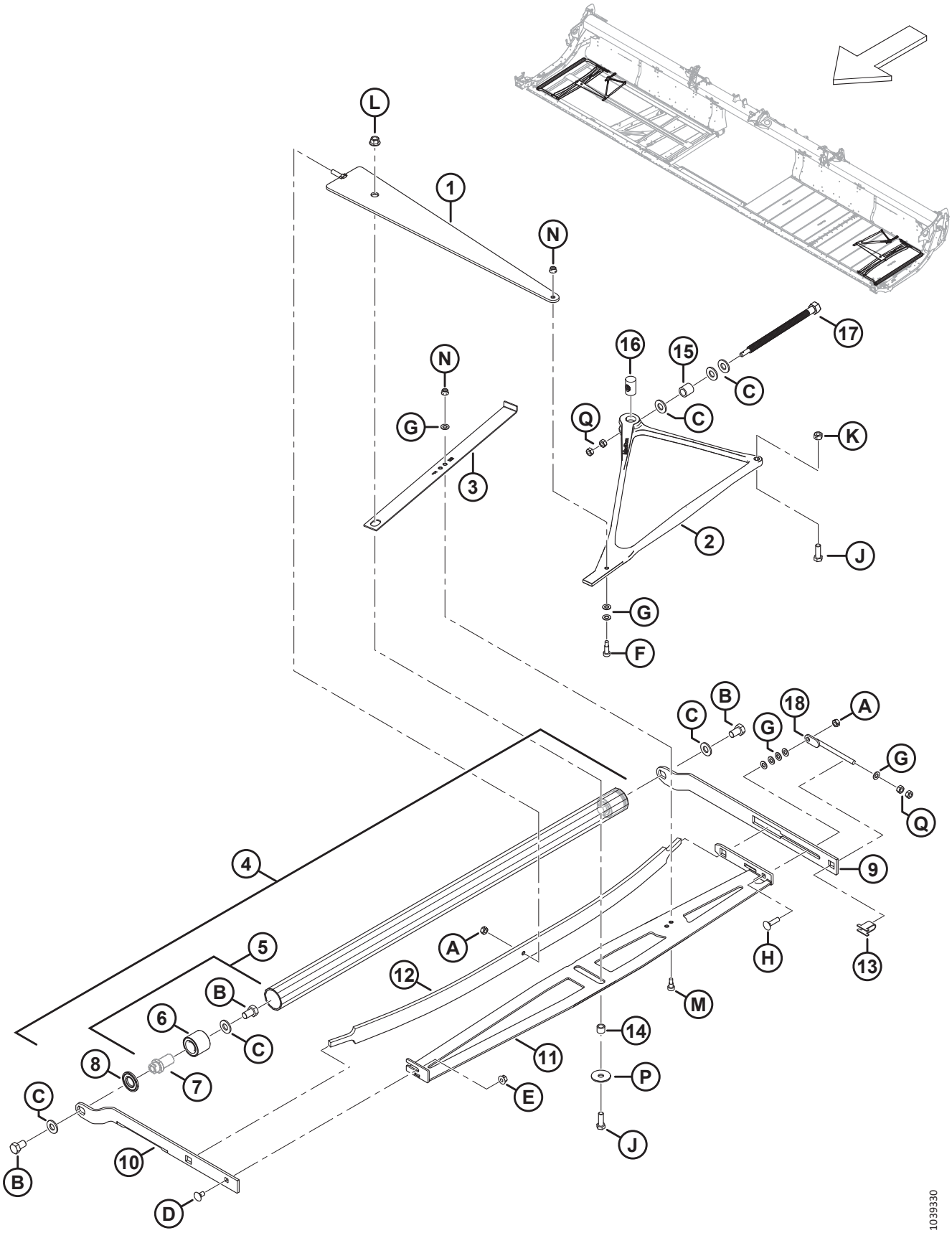
15 Draper – Backsheet Panels (D245)



Ref	Part Number	Description	Qty	Serial Number
1	319222	EXTENSION – BACKSHEET LH	1	
	319223	EXTENSION – BACKSHEET RH	1	
2	275965	PANEL – BACKSHEET LH/RH INBOARD	2	
3	275676	PANEL – BACKSHEET LH/RH MIDDLE	2	
4	275319	PANEL – BACKSHEET 45 FT LH OUTER	1	
	275320	PANEL – BACKSHEET 45 FT RH OUTER	1	
5	275675	SUPPORT – DECK	4	
6	319366	SUPPORT – DECK FLEX INBOARD [29]	2	
7	360509	SUPPORT – BACKSHEET	2	
8	145840	GUIDE – BACKSHEET	6	
9	18867	BEARING – BALL CYL OD C/W TWO SEALS	2	
10	319724	DEFLECTOR – LH, 45 FT	1	
	319725	DEFLECTOR – RH, 45 FT	1	
11	319718	DEFLECTOR – MIDDLE	2	
12	319717	DEFLECTOR – INBOARD	2	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	101897	SCREW – HEX WASH HD 3/8 NC X 3/4		
D	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D.		
E	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
K	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
L	320181	RIVNUT – M8 X 1.25 HEX 3.8-7.9		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		

29. The kit includes inboard flex deck support assembly (NSS) and screw (MD #101897).

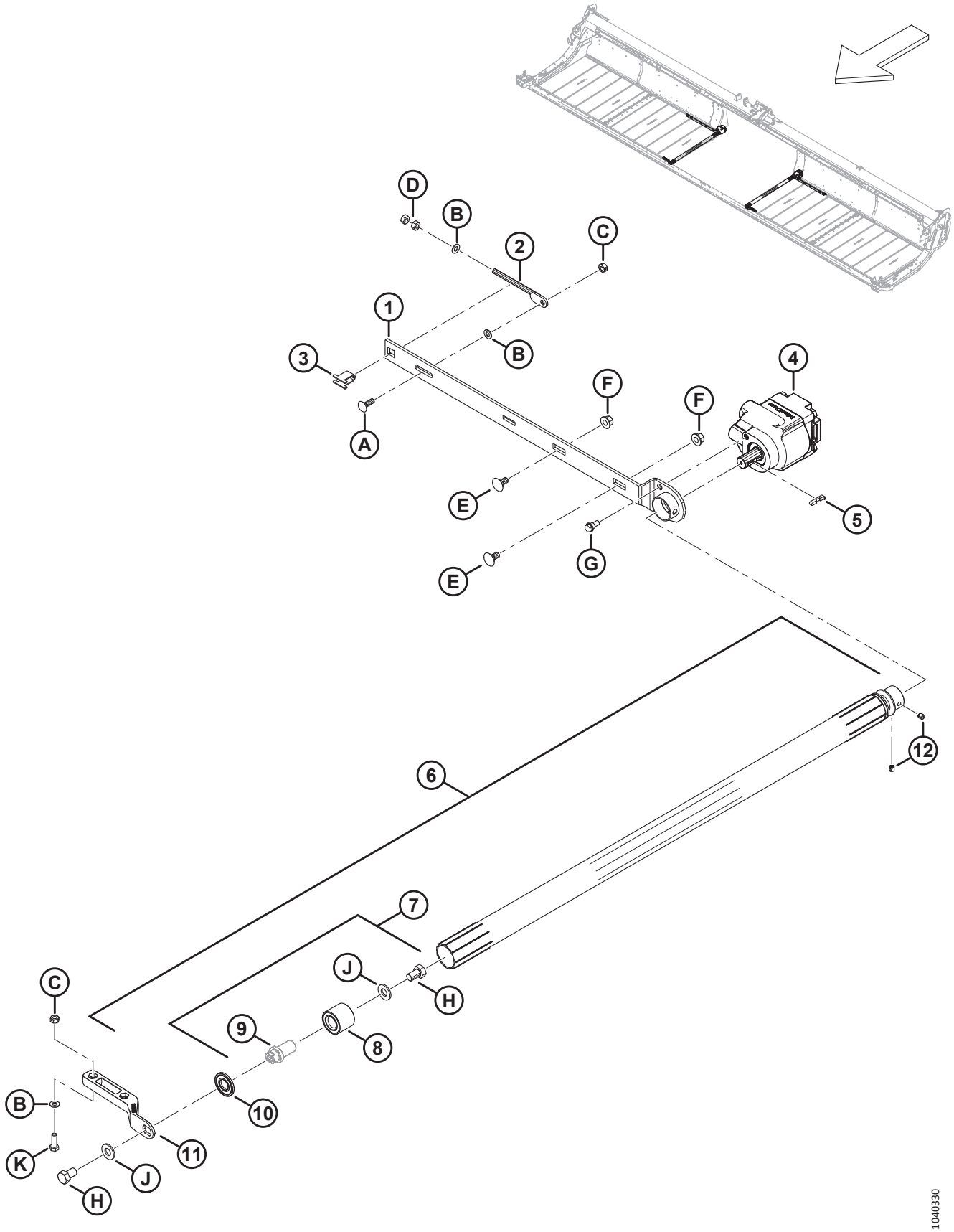
16 Draper – Tensioner



Ref	Part Number	Description	Qty	Serial Number
1	319051	MEMBER – COMPRESSION WELDT	2	
2	275902	CASTING – TENSIONER BELLCRANK	2	
3	275877	INDICATOR – TENSIONER	2	
4	275211	IDLER ROLLER ASSY SERVICE [30]	2	
5	165735	PIN ASSY – DRAPER ROLLER [31]	4	
6	132607	BEARING – DOUBLE ROW BALL 52 OD X 25 BORE	4	
7	NSS	PIN [32]		
8	120845	SEAL – NILOS LSTO STEEL DISK	4	
9	275324	ARM – IDLER ROLLER REAR	2	
10	319708	ARM – RH FRONT IDLER ROLLER	1	
	319707	ARM – LH FRONT IDLER ROLLER	1	
11	275375	MEMBER – RH STABILIZER WELDT	1	
	275348	MEMBER – LH STABILIZER WELDT	1	
12	227747	SPRING – LEAF	2	
13	275232	SUPPORT – ADJUSTER SCREW	2	
14	132531	SPACER	2	
15	227656	SPACER – TENSIONER BOLT	2	
16	275879	NUT – SPECIAL LEAD-SCREW	2	
17	320167	BOLT – HEX HD M16 X 4.0-SPCL-8.8-AA1J	2	
18	227914	BOLT – ADJUSTER WELDT	2	
A	320206	NUT – HEX CTR LOC M10 X 1.5-8-ZINC		
B	145249	BOLT – HEX HD TFL 5/8-18 X 1.0 GR5-AA1J		
C	30441	WASHER – HARDENED ASTM F436 5/8		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	197275	SCREW – HEX SOC HD SHLDR M10 X 20		
G	184711	WASHER – FLAT REG M10-200HV-AA1J		
H	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
J	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
K	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	135894	SCREW – HEX SOC HD SHLDR M10		
N	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
P	42592	WASHER – FLAT		
Q	30505	NUT – HEX M10 X 1.5-10-AA1J		

30. Includes two pin assemblies (MD #165735) and two seals (MD #120845).
31. Includes pin (NSS), bearing (MD #132607), and hardware (MD #30441, MD #145249).
32. Not sold separately; included in pin assembly (MD #165735).

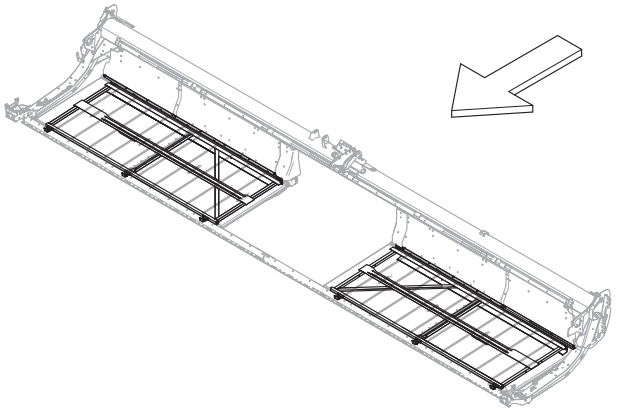
17 Draper – Drive Roller

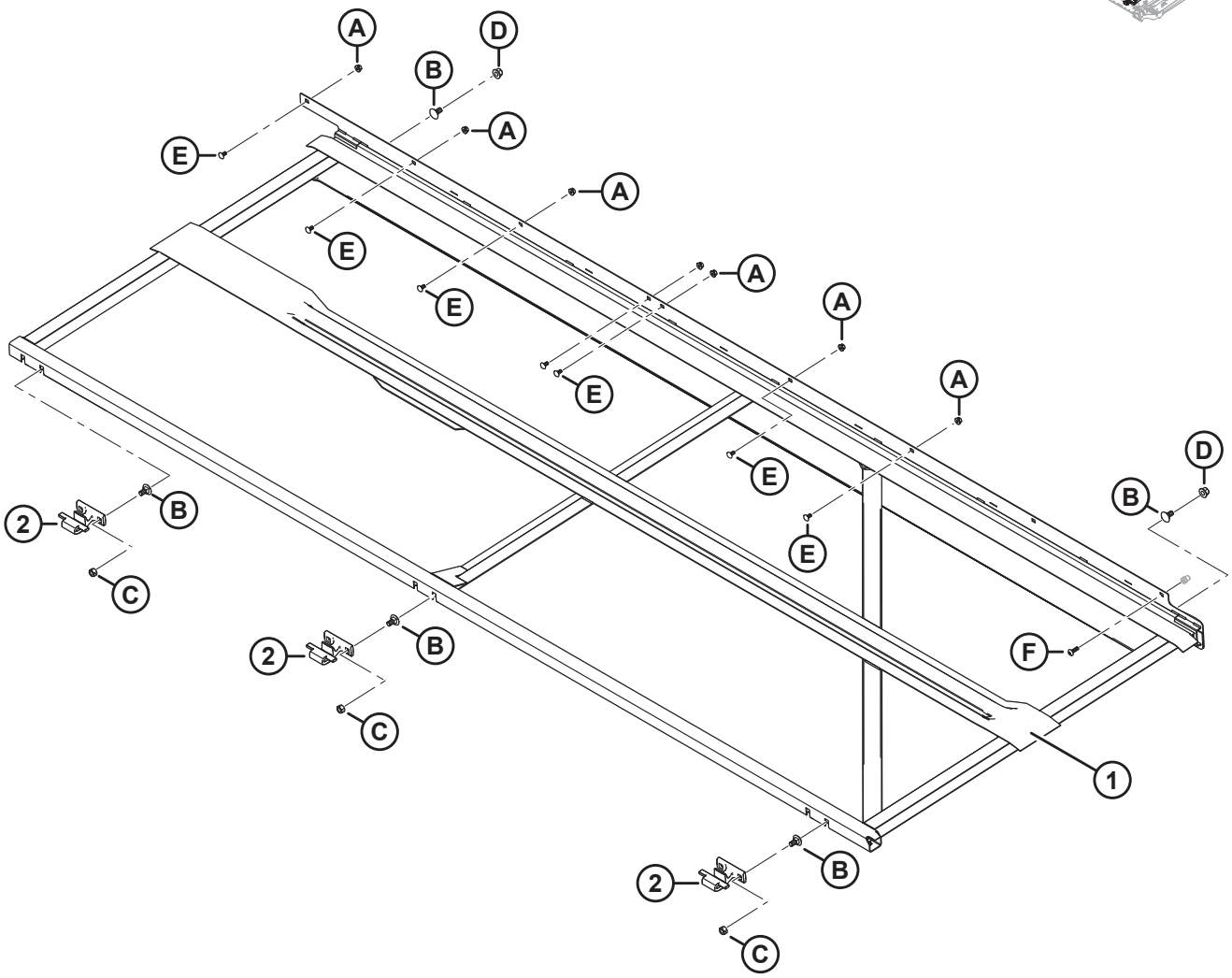


Ref	Part Number	Description	Qty	Serial Number
1	275332	ARM – DRIVE ROLLER WELDT	2	
2	227914	BOLT – ADJUSTER WELDT	2	
3	275232	SUPPORT – ADJUSTER SCREW	2	
4	275860	MOTOR – HYD GEAR DRAPER DRIVE	2	
	319583	SEAL KIT – DRAPER DRIVE MOTOR		
5	275864	KEY – DRAPER DRIVE MOTOR	2	
6	319676	DRIVE ROLLER ASSY SERVICE [33]	2	
7	165735	PIN ASSY – DRAPER ROLLER [34]	2	
8	132607	BEARING – DOUBLE ROW BALL 52 OD X 25 BORE	2	
9	NSS	PIN [35]		
10	120845	SEAL – NILOS LSTO STEEL DISK	2	
11	319265	ARM – FRONT DRAPER DRIVE MACH	2	
12	320182	SCREW – SET SOC M10 X 1.5 X 10-8.8-BO	4	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	320206	NUT – HEX CTR LOC M10 X 1.5-8-ZINC		
D	30505	NUT – HEX M10 X 1.5-10-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	172259	BOLT – SHOULDER .375-16 UNC-AA1J		
H	145249	BOLT – HEX HD TFL 5/8-18 X 1.0 GR5-AA1J		
J	30441	WASHER – HARDENED ASTM F436 5/8		
K	184661	BOLT – HEX HD TFLM 10 X 1.5 X 30-8.8-AA1J		

33. Includes ribbed roller (NSS), pin assembly (MD #165735), seal (MD #120845), and two set screws (MD #320182).
34. Includes pin (NSS), bearing (MD #132607), and hardware (MD #30441, MD #145249).
35. Not sold separately; included in pin assembly (MD #165735).

18 Draper – Decks (D225, D230, and D235)



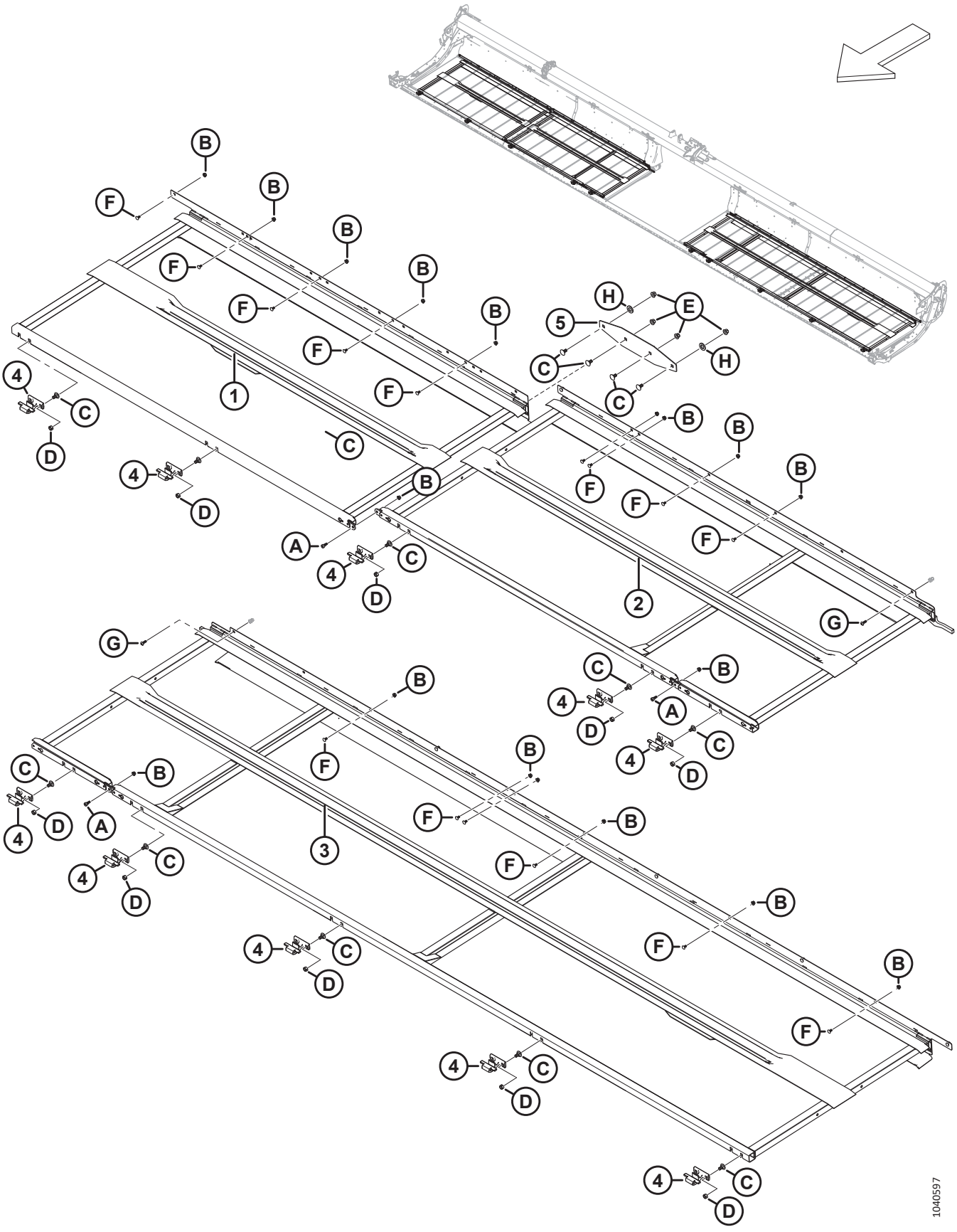


1040591

Ref	Part Number	Description	Qty	Serial Number
1	275407	DECK WELDT – 25 FT RH RIGID	1	
	275406	DECK WELDT – 25 FT LH RIGID	1	
	275465	DECK WELDT – 30 FT RH RIGID	1	
	275464	DECK WELDT – 30 FT LH RIGID	1	
	275309	DECK WELDT – 35 FT RH RIGID	1	
	275308	DECK WELDT – 35 FT LH RIGID	1	
2	319225	CASTING – DECK FRONT HOOK [36]		
A	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
B	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
C	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
F	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		

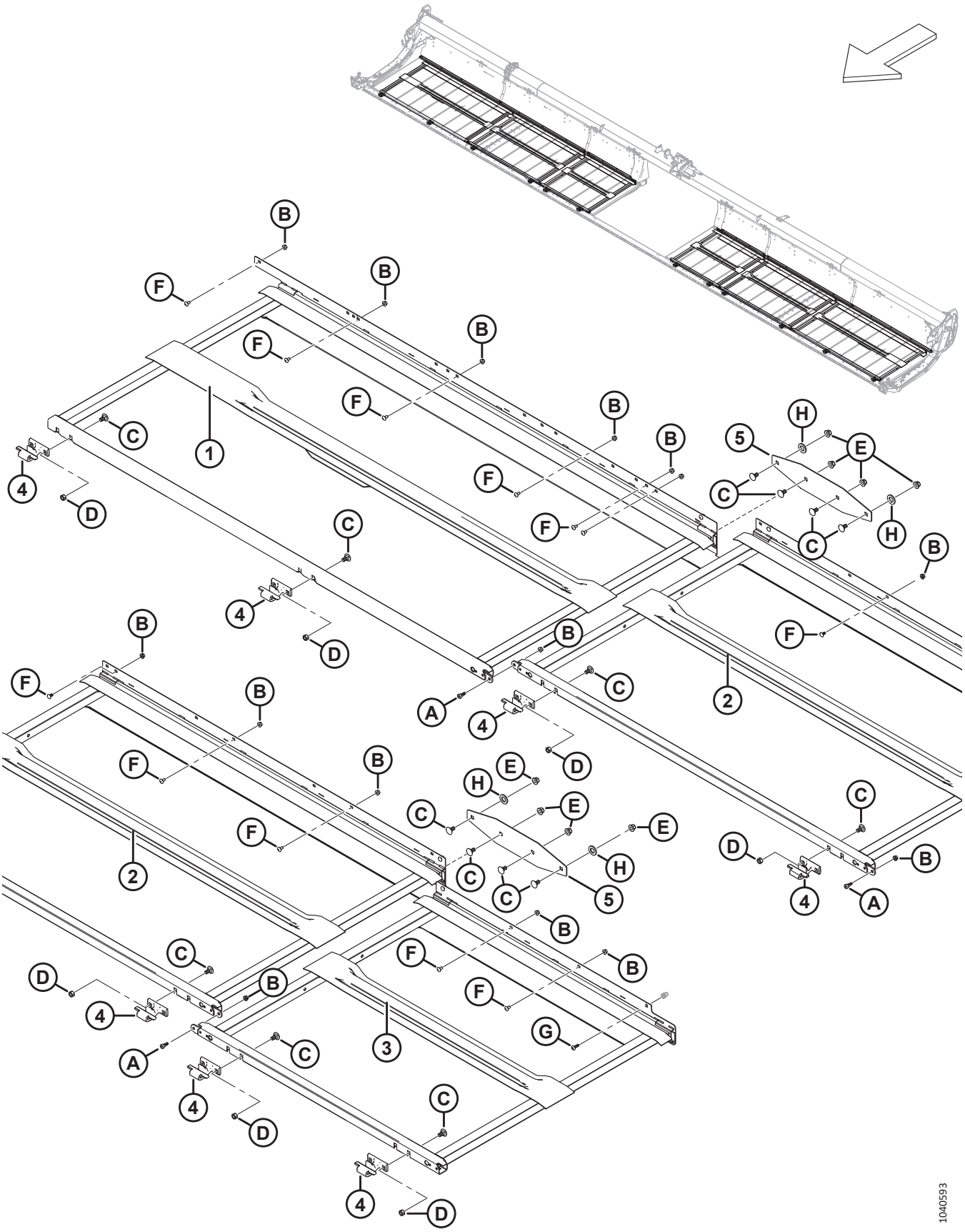
36. Quantities: D225 and D230 = 6; D235 = 8.

19 Draper – Decks (D241)



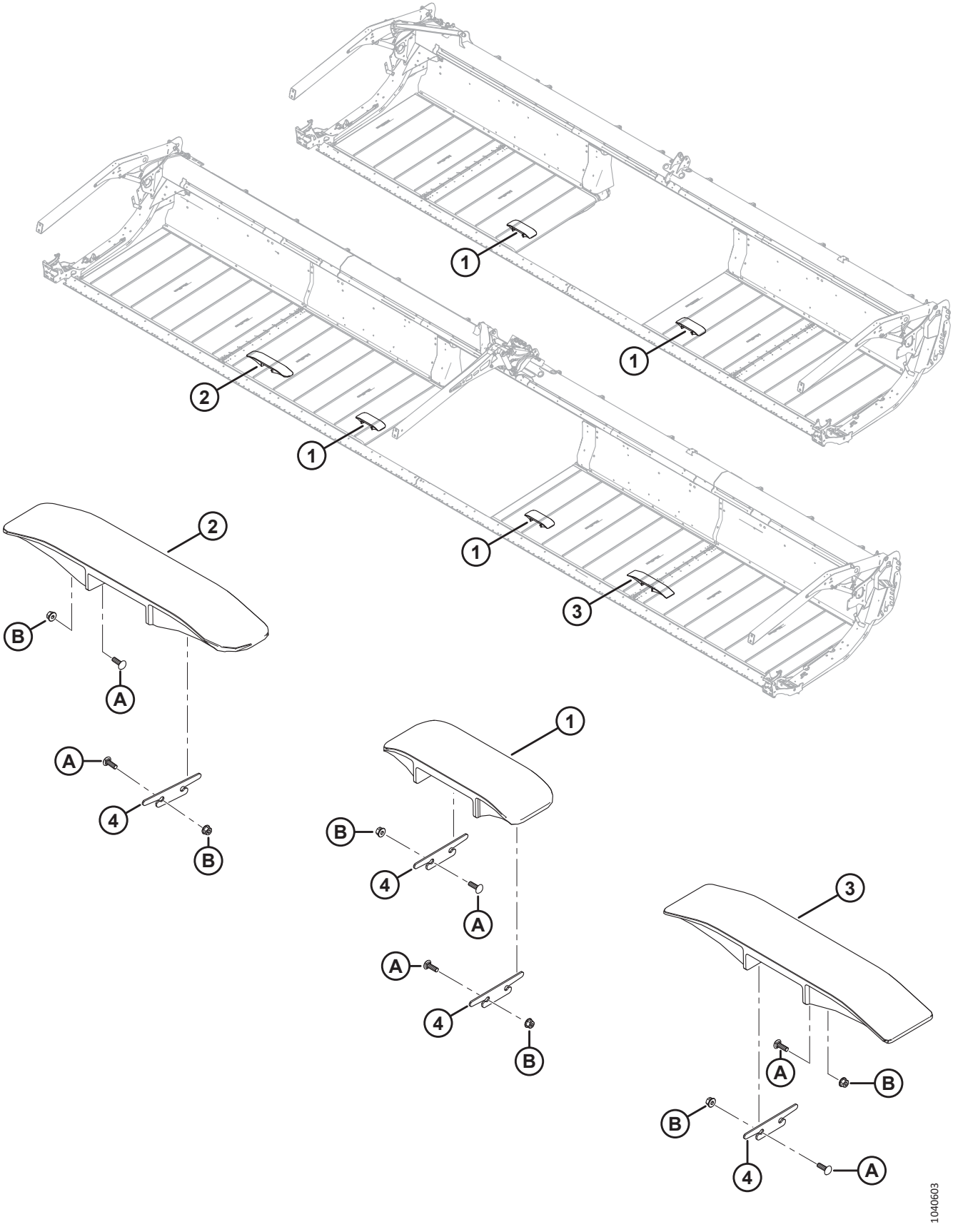
Ref	Part Number	Description	Qty	Serial Number
1	275770	DECK WELDT – RH OUTBOARD	1	
2	275514	DECK WELDT – 41 FT RH INBOARD	1	
3	275513	DECK WELDT – 41 FT LH	1	
4	319225	CASTING – DECK FRONT HOOK	10	
5	275690	PLATE – DECK FRAME JOINT	1	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		

20 Draper – Decks (D245)



Ref	Part Number	Description	Qty	Serial Number
1	275770	DECK WELDT – RH OUTBOARD	1	
	275960	DECK WELDT – LH OUTBOARD	1	
2	275779	DECK WELDT – 45 FT MIDDLE	2	
3	275641	DECK WELDT – RH INBOARD	1	
	275640	DECK WELDT – LH INBOARD	1	
4	319225	CASTING – DECK FRONT HOOK	12	
5	275690	PLATE – DECK FRAME JOINT	4	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
G	320290	SCREW – TORX TRUSS HD M8 X 1.25 X 25-SPCL-8.8-ZINC		
H	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		

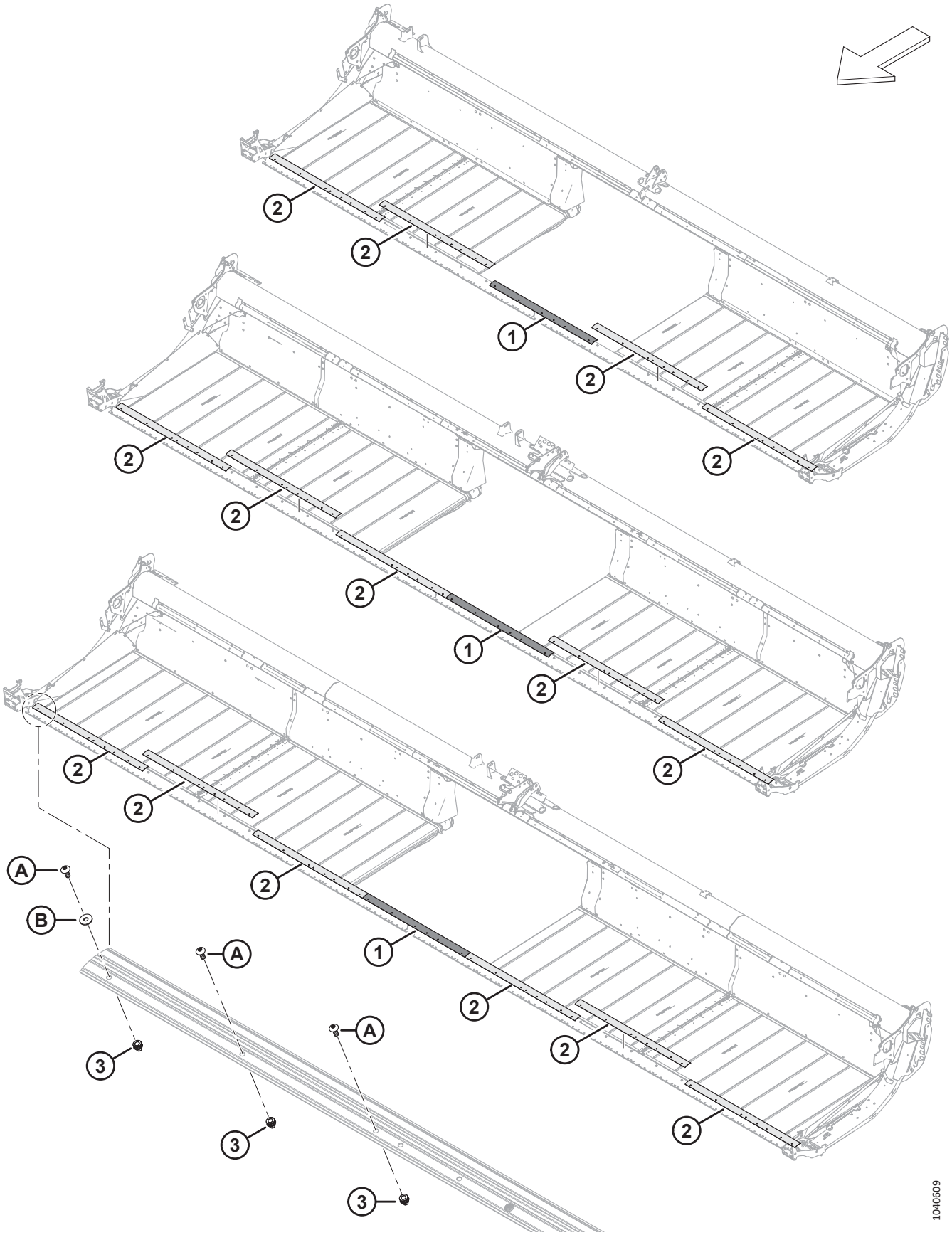
21 Draper – Tracks



Ref	Part Number	Description	Qty	Serial Number
1	360150	TRACK – SHORT PLASTIC	2	
2	360151	TRACK – ANGLED PLASTIC [37]	1	
3	340841	TRACK – STANDARD PLASTIC [38]	1	
4	340681	SHIM – DRAPER TRACK [39]		
A	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

37. Double-reel headers only. Used on the RH draper deck.
38. Double-reel headers only. Used on the LH draper deck.
39. Quantities: single reel = 4; double reel = 6.

22 Draper – Seals (D225, D230, and D235)

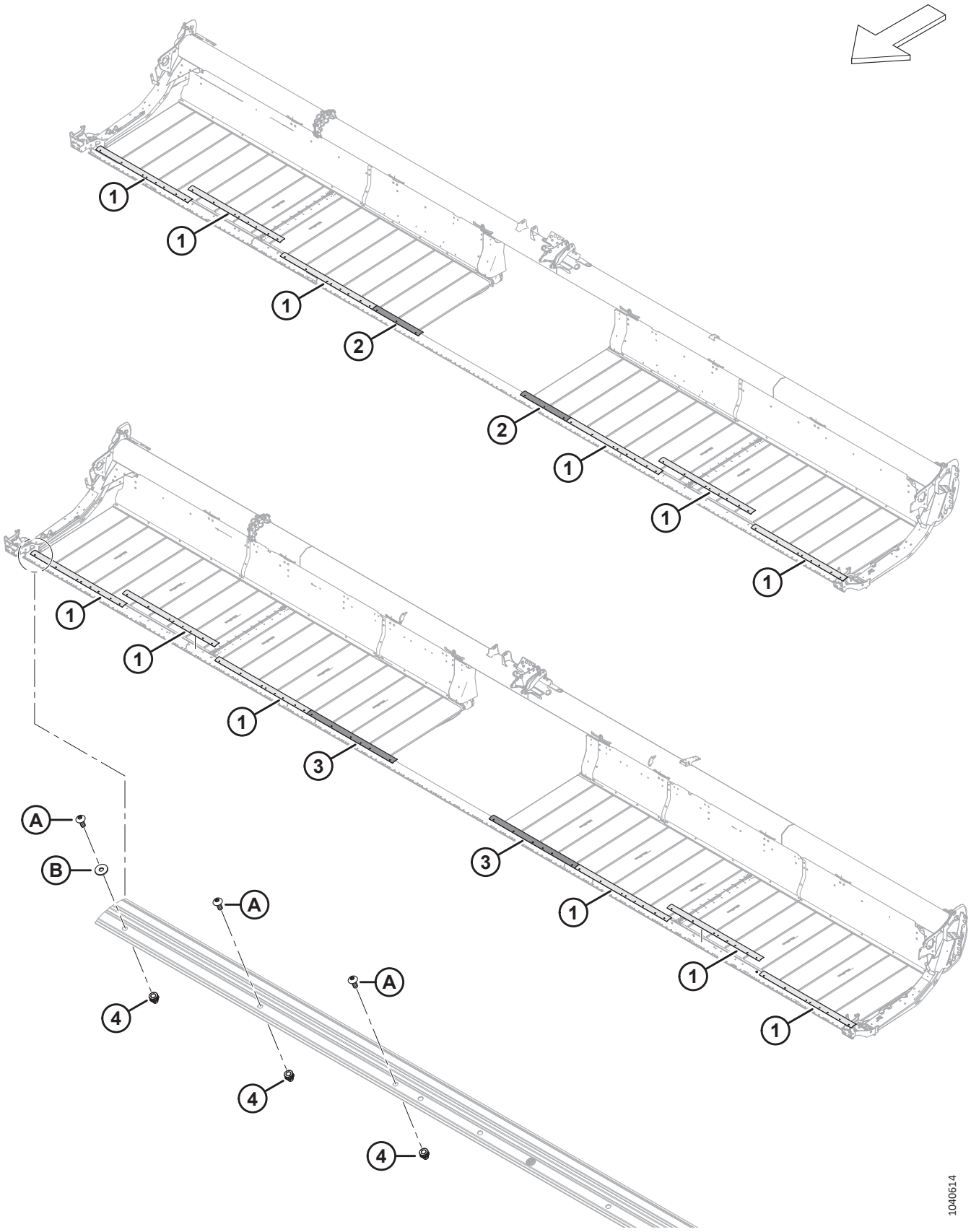


DRAPER – SEALS (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	319430	PLATE – CBAR SEAL, RIGID	1	
2	319431	PLATE – CBAR SEAL MIDDLE [40]		
3	320448	RIVNUT – M8 X 1.25 HEX [41]		
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		

40. Quantities: D225 = 4, D230 = 5, and D235 = 6.
41. Quantities: D225 = 27, D230 = 32, and D235 = 37.

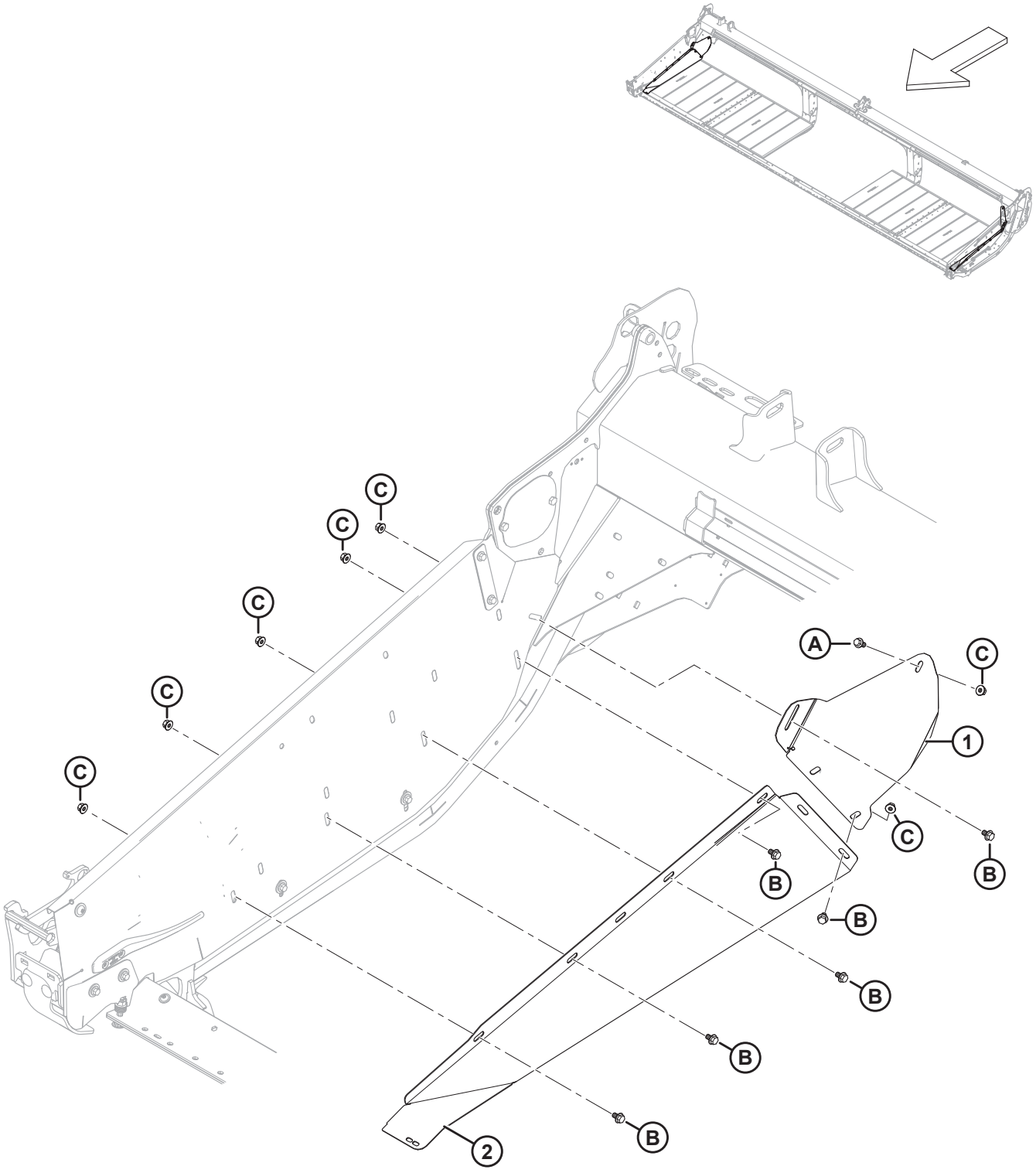
23 Draper – Seals (D241 and D245)



Ref	Part Number	Description	Qty	Serial Number
1	319431	PLATE – CBAR SEAL MIDDLE	6	
2	319429	PLATE – CBAR SEAL INCREMENTAL [42]	2	
3	319430	PLATE – CBAR SEAL, RIGID [43]	2	
4	320448	RIVNUT – M8 X 1.25 HEX [44]		
A	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
B	184709	WASHER – FLAT LARGE M8-200HV		

42. D241 only.
43. D245 only.
44. Quantities: D241 = 37; D245 = 41.

24 Draper Deflectors – Narrow

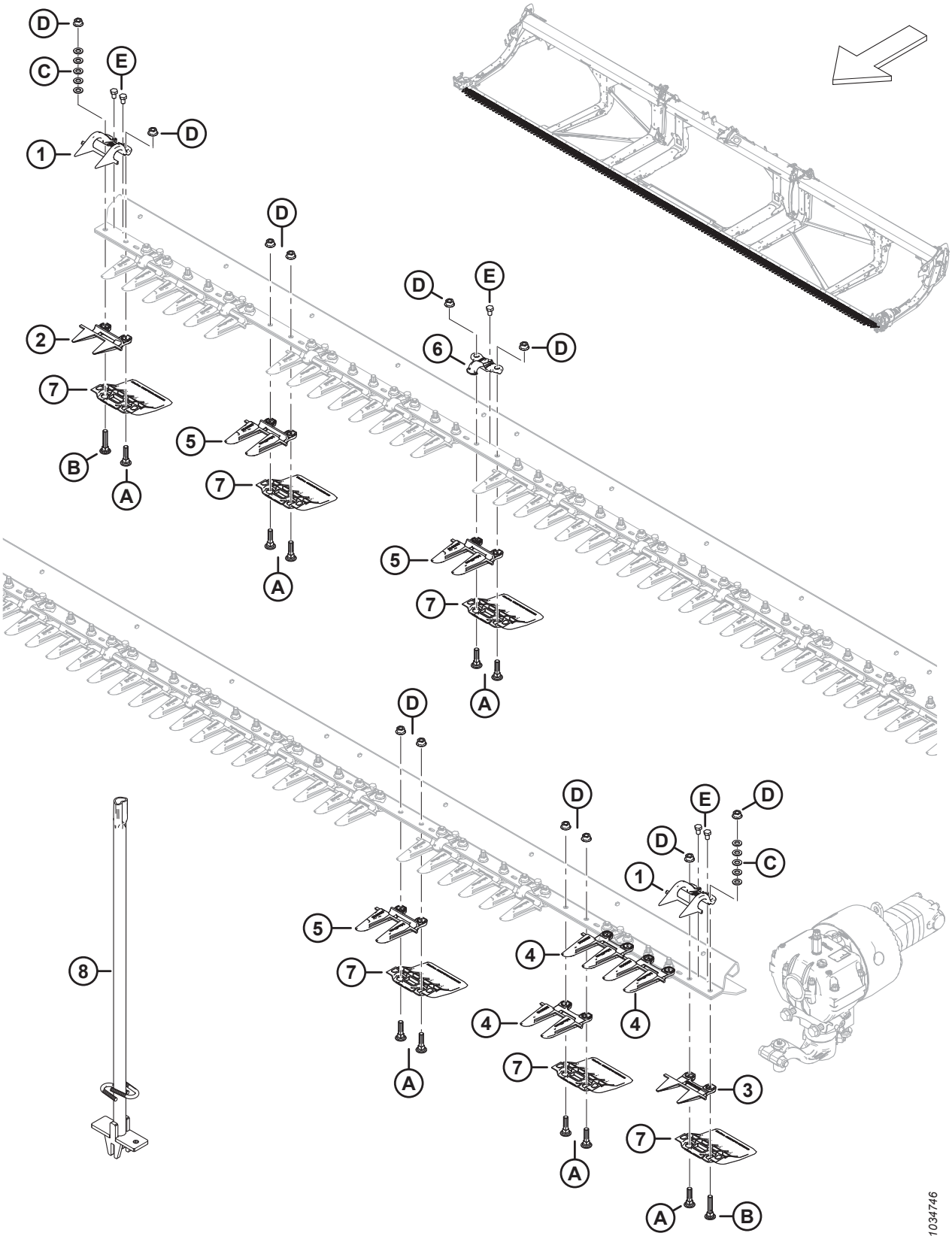


1040344

DRAPER DEFLECTORS – NARROW

Ref	Part Number	Description	Qty	Serial Number
1	360755	DEFLECTOR – RH NARROW REAR	1	
	360754	DEFLECTOR – LH NARROW REAR	1	
2	360521	DEFLECTOR – RH NARROW FRONT	1	
	360520	DEFLECTOR – LH NARROW FRONT	1	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

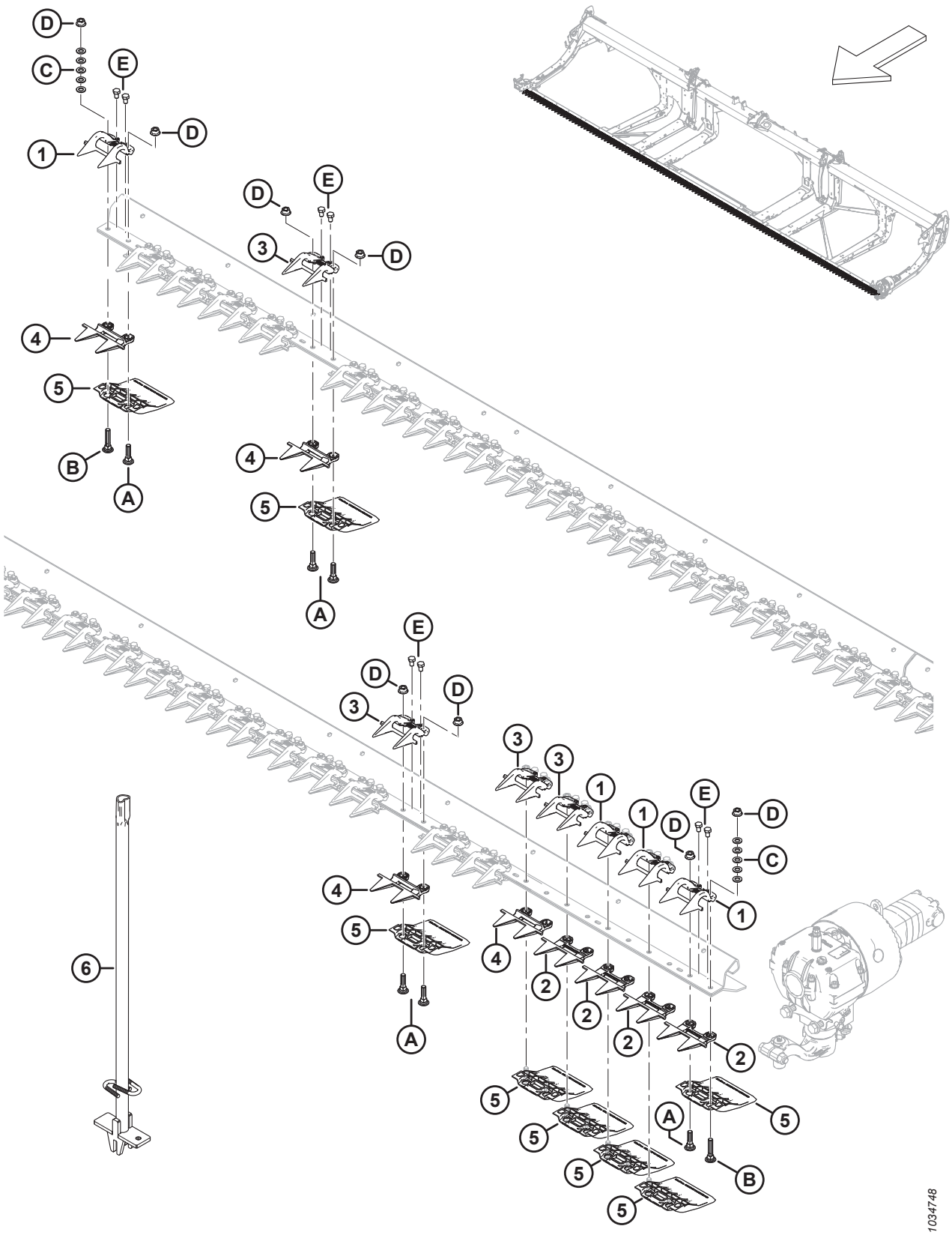
25 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, Pointed (D230 and D235)



Ref	Part Number	Description	Qty	Serial Number
	286669	KIT – POINTED GUARDS 30 FT SK [45]	A/R	
	286670	KIT – POINTED GUARDS 35 FT SK [46]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	2	
2	286318	KNIFE GUARD – PLUG FREE	1	
3	286319	KNIFE GUARD – PLUG FREE END	1	
4	286316	KNIFE GUARD – POINTED END	3	
5	286315	KNIFE GUARD – POINTED [47]		
6	286329	HOLD-DOWN – POINTED [48]		
7	286257	SHOE – WEARPLATE CUTTERBAR [49]		
8	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

45. The kit includes 55 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
46. The kit includes 65 pointed guards (MD #286315), 3 pointed end guards (MD #286316), 1 PlugFree™ guard (MD #286318), and 1 PlugFree™ end guard (MD #286319).
47. Quantities: D230 = 55, D235 = 65.
48. Quantities: D230 = 29, D235 = 34.
49. Quantities: D230 = 60, D235 = 70.

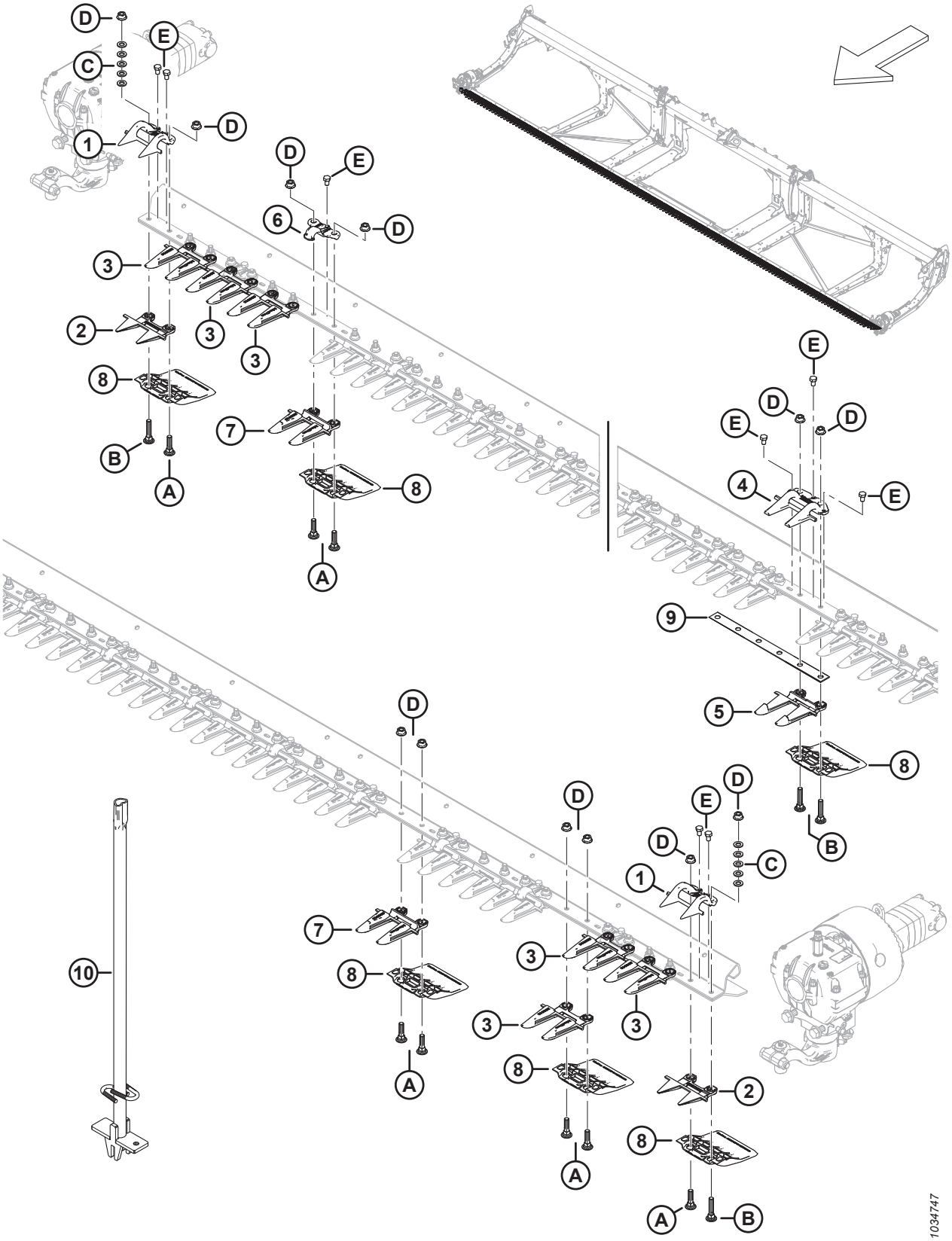
26 Guards, Hold-Downs, and Cutterbar Shoes – Single Knife, PlugFree™ (D225 and D230)



Ref	Part Number	Description	Qty	Serial Number
	286679	KIT – PLUGFREE GUARDS 25 FT SK [50]	A/R	
	286680	KIT – PLUGFREE GUARDS 30 FT SK [51]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	4	
2	286319	KNIFE GUARD – PLUG FREE END	4	
3	286330	HOLD-DOWN – PLUG FREE [52]		
4	286318	KNIFE GUARD – PLUG FREE SHORT [52]		
5	286257	SHOE – WEARPLATE CUTTERBAR [53]		
6	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

50. The kit includes 46 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
51. The kit includes 56 PlugFree™ guards (MD #286318) and 4 end guards (MD #286319).
52. Quantities: D225 = 46, D230 = 56.
53. Quantities: D225 = 50, D230 = 60.

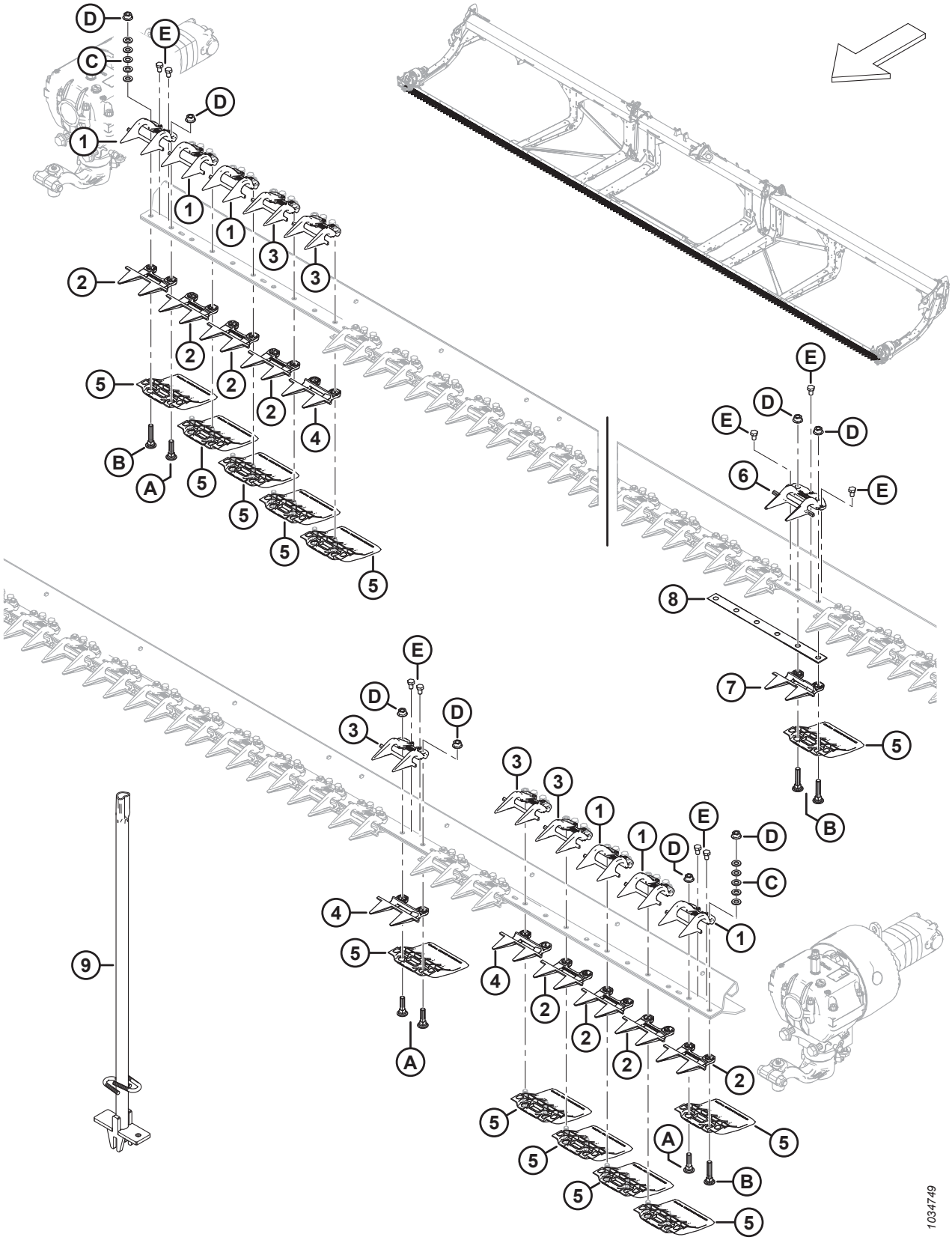
27 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, Pointed (D241 and D245)



Ref	Part Number	Description	Qty	Serial Number
	286665	KIT – POINTED GUARDS 41 FT DK [54]	A/R	
	286666	KIT – POINTED GUARDS 45 FT DK [55]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	2	
2	286319	KNIFE GUARD – PLUG FREE END	2	
3	286316	KNIFE GUARD – POINTED END	6	
4	286332	HOLD-DOWN – POINTED CENTER	1	
5	286317	KNIFE GUARD – POINTED CENTER	1	
6	286329	HOLD-DOWN – POINTED [56]		
7	286315	KNIFE GUARD – POINTED [57]		
8	286257	SHOE – WEARPLATE CUTTERBAR [58]		
9	226861	SHIM – DK OVERLAP	1	
10	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

54. The kit includes 73 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
55. The kit includes 81 pointed guards (MD #286315), 6 pointed end guards (MD #286316), 1 pointed center guard (MD #286317), 2 PlugFree™ end guards (MD #286319), and 1 pointed center hold-down (MD #286332).
56. Quantities: D241 = 39, D245 = 44
57. Quantities: D241 = 73, D245 = 81
58. Quantities: D241 = 82, D245 = 90

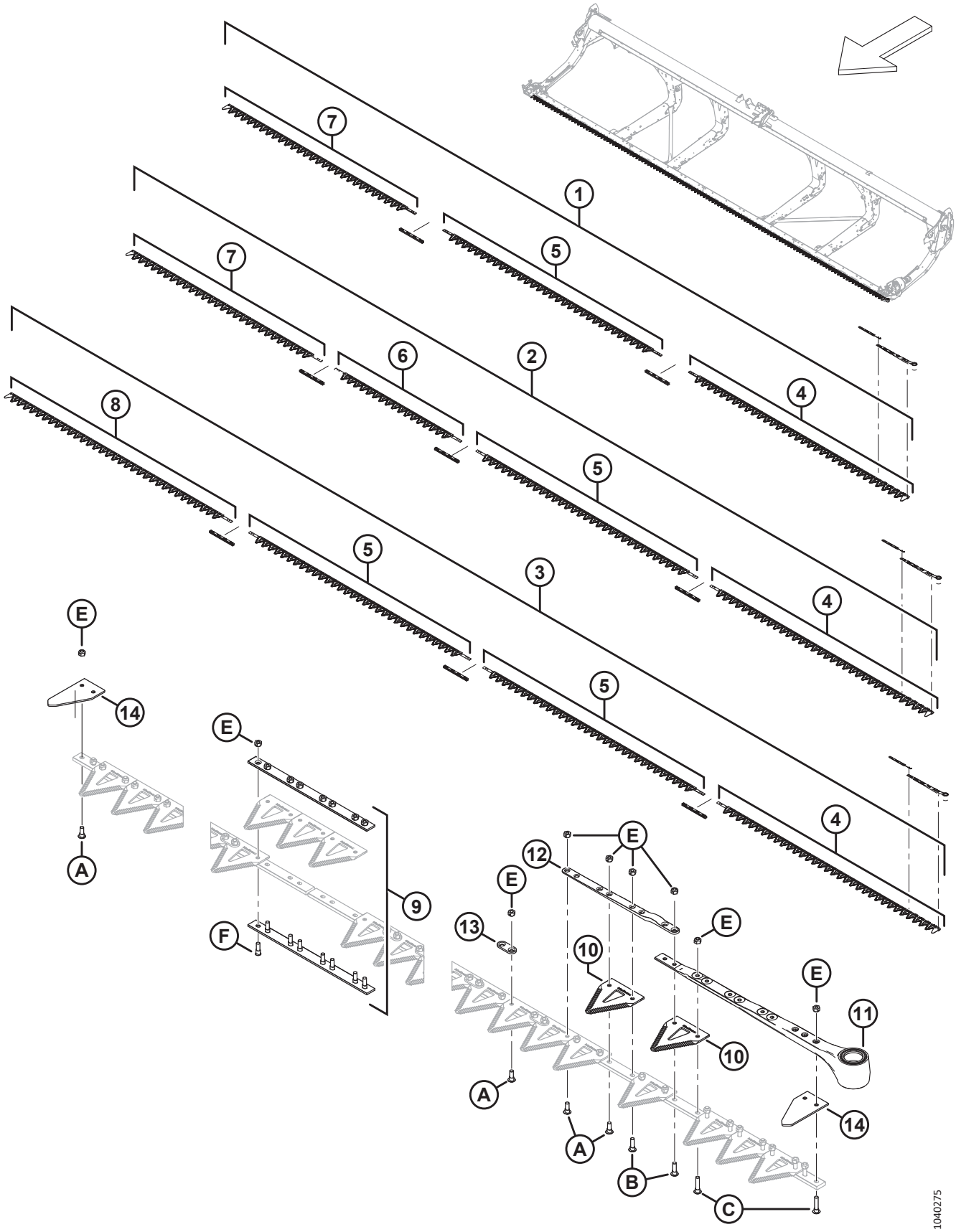
28 Guards, Hold-Downs, and Cutterbar Shoes – Double Knife, PlugFree™ (D241 and D245)



Ref	Part Number	Description	Qty	Serial Number
	286676	KIT – PLUGFREE GUARDS 41 FT DK [59]	A/R	
	286677	KIT – PLUGFREE GUARDS 45 FT DK [60]	A/R	
1	286331	HOLD-DOWN – PLUG FREE END	6	
2	286319	KNIFE GUARD – PLUG FREE END	8	
3	286330	HOLD-DOWN – PLUG FREE [61]		
4	286318	KNIFE GUARD – PLUG FREE SHORT [62]		
5	286257	SHOE – WEARPLATE CUTTERBAR [63]		
6	286333	HOLD-DOWN – PLUG FREE CENTER	1	
7	286320	KNIFE GUARD – PLUG FREE CENTER	1	
8	226861	SHIM – DK OVERLAP	1	
9	286705	TOOL – WELDT	A/R	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	226280	BOLT – RHSN SPCL M12 X 60-8.8		
C	184714	WASHER – FLAT REG M12-300HV		
D	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
E	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		

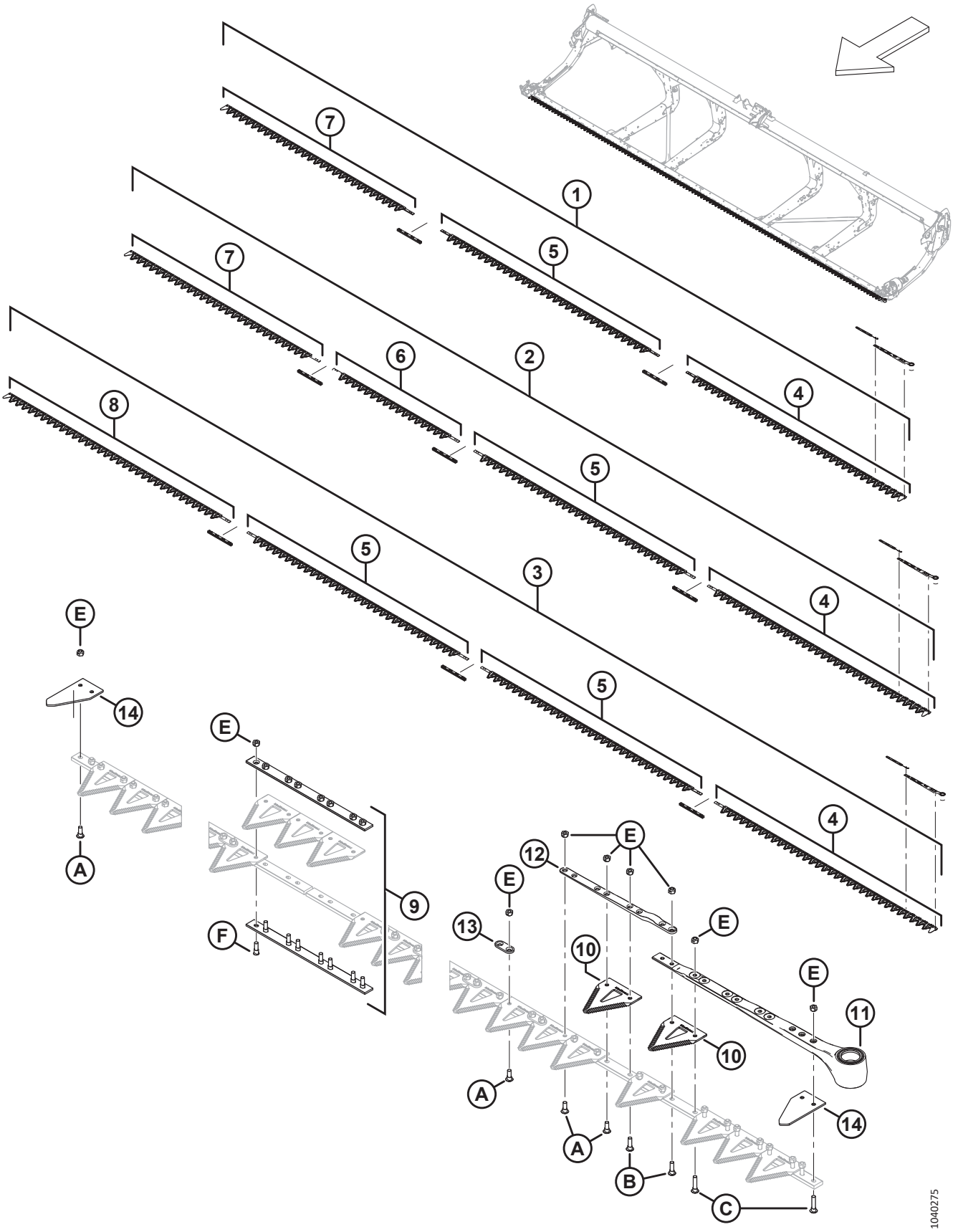
59. The kit includes 73 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
60. The kit includes 81 PlugFree™ guards (MD #286318), 8 end guards (MD #286319), 1 center guard (MD #286320), and 1 center hold-down (MD #286333).
61. Quantities: D241 = 75, D245 = 83
62. Quantities: D241 = 73, D245 = 81
63. Quantities: D241 = 82, D245 = 90

29 Knives – Single-Knife Headers (D225, D230, and D235)



Ref	Part Number	Description	Qty	Serial Number
1	286597	KIT – KNIFE 25 FT SK COARSE [64]	1	
	286609	**KIT – KNIFE 25 FT SK FINE** [65]	**1**	
	286779	**KIT – KNIFE 25 FT SK ULTRA COARSE** [66]	**OPT**	
2	286598	KIT – KNIFE 30 FT SK COARSE [67]	1	
	286610	**KIT – KNIFE 30 FT SK FINE** [68]	**1**	
	286780	**KIT – KNIFE 30 FT SK ULTRA COARSE** [69]	**OPT**	
3	286599	KIT – KNIFE 35 FT SK COARSE [70]	1	
	286611	**KIT – KNIFE 35 FT SK FINE** [71]	**1**	
	286781	**KIT – KNIFE 35 FT SK ULTRA COARSE** [72]	**OPT**	
4	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	**KNIFE – HEAD SEGMENT LH FINE 2676 MM**	**1**	
	286758	**KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM**	**OPT**	
5	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM [73]		
	286581	**KNIFE – CENTER SEGMENT FINE 2663 MM** [73]		
	286760	**KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM** [73]	**OPT**	
6	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM [74]		
	286582	**KNIFE – CENTER SEGMENT FINE 1520 MM** [74]		
	286761	**KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM** [74]	**OPT**	

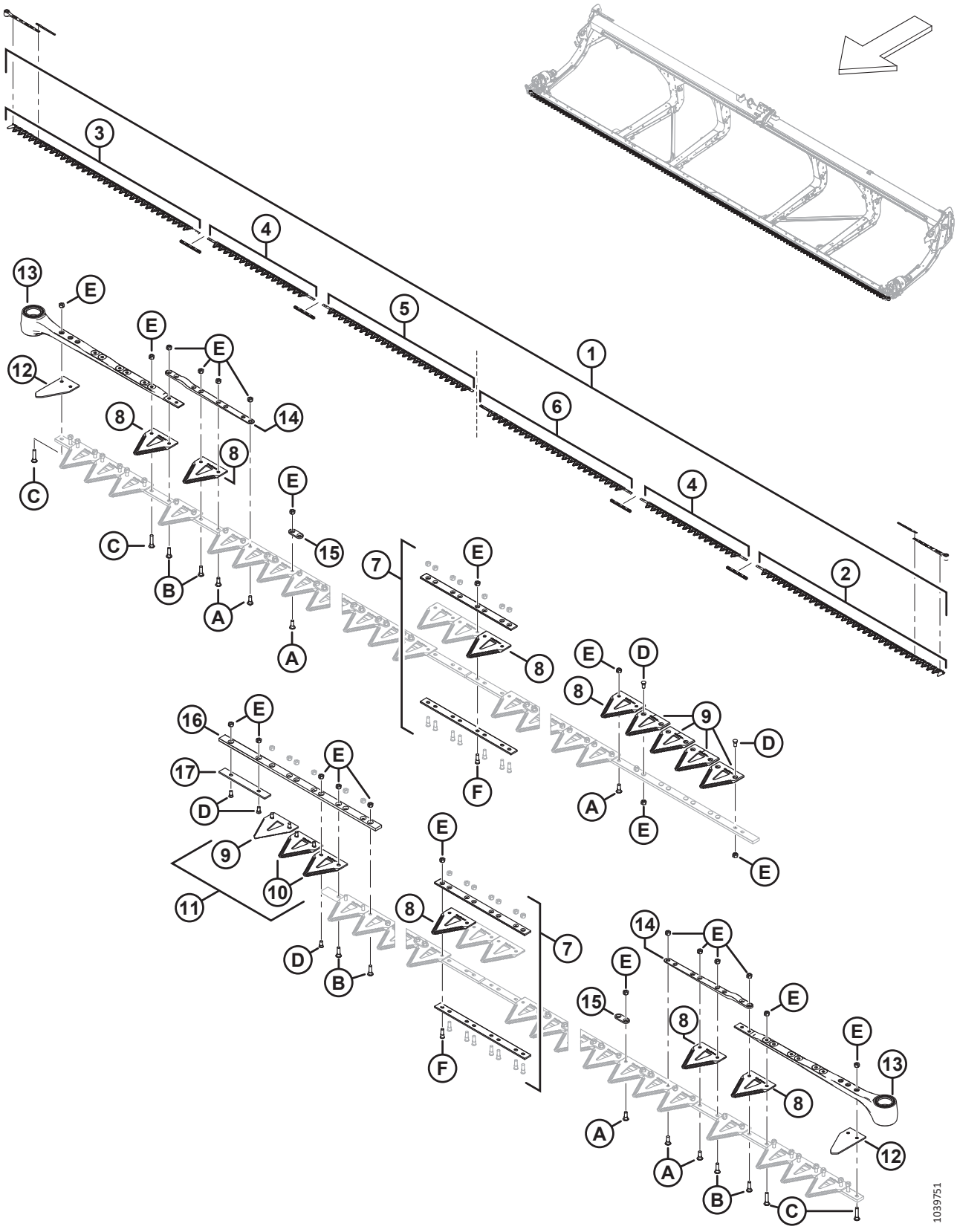
64. The kit includes one 25-pack of ClearCut™ coarse section (MD #286461), two knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one center coarse knife segment (MD #286564), and one tail coarse knife segment (MD #286566).
65. The kit includes one 25-pack of ClearCut™ fine section (MD #286462), two knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one center fine knife segment (MD #286581), and one tail fine knife segment (MD #286583).
66. The kit includes one 25-pack of ClearCut™ ultra coarse section (MD #286627), two knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one center ultra coarse knife segment (MD #286760), and one tail ultra coarse knife segment (MD #286763).
67. The kit includes one 25-pack of ClearCut™ coarse section (MD #286461), three knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one center coarse knife segment (MD #286564), one center coarse knife segment (MD #286565), and one tail coarse knife segment (MD #286566).
68. The kit includes one 25-pack of ClearCut™ fine section (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one center fine knife segment (MD #286581), one center fine knife segment (MD #286582), and one tail fine knife segment (MD #286583).
69. The kit includes one 25-pack of ClearCut™ ultra coarse section (MD #286627), three knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one center ultra coarse knife segment (MD #286760), one center ultra coarse knife segment (MD #286761), and one tail ultra coarse knife segment (MD #286763).
70. The kit includes one 25-pack of ClearCut™ coarse section (MD #286461), three knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), two center coarse knife segments (MD #286564), and one tail coarse knife segment (MD #286567).
71. The kit includes one 25-pack of ClearCut™ fine section (MD #286462), three knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), two center fine knife segments (MD #286581), and one tail fine knife segment (MD #286584).
72. The kit includes one 25-pack of ClearCut™ ultra coarse section (MD #286627), three knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), two center ultra coarse knife segments (MD #286760), and one tail ultra coarse knife segment (MD #286764).
73. Quantities: D225 = 1, D230 = 1, D235 = 2.
74. Quantities: D225 = 0, D230 = 1, D235 = 0.


7
1
5
7
6
2
4
8
5
5
3
4
E
14
A
E
9
F
5
4
E
12
E
13
10
E
E
11
10
A
A
B
C
14
1040275

Ref	Part Number	Description	Qty	Serial Number
7	286566	KNIFE – TAIL SEGMENT SK COARSE 2295 MM [75]		
	286583	**KNIFE – TAIL SEGMENT SK FINE 2295 MM** [75]		
	286763	**KNIFE – TAIL SEGMENT SK ULTRA COARSE 2295 MM** [75]	**OPT**	
8	286567	KNIFE – TAIL SEGMENT SK COARSE 2676 MM [76]		
	286584	**KNIFE – TAIL SEGMENT SK FINE 2676 MM** [76]		
	286764	**KNIFE – TAIL SEGMENT SK ULTRA COARSE 2676 MM** [76]	**OPT**	
9	286493	KIT – KNIFE SPLICE [77]		
10	286461	SECTION – CLEARCUT COARSE (25 PACK) [78]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [78]		
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [78]	OPT	
11	226941	KNIFE HEAD ASSEMBLY	1	
	115670	O-RING – 1.78 X 34.64	1	
	113937	DISC	1	
	113222	SEAL KIT	1	
	100500	BEARING – NEEDLE	1	
12	286440	BAR – FORGED	1	
13	286481	BAR – REINFORCEMENT (25 PACK)		
14	226983	SECTION – END	2	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

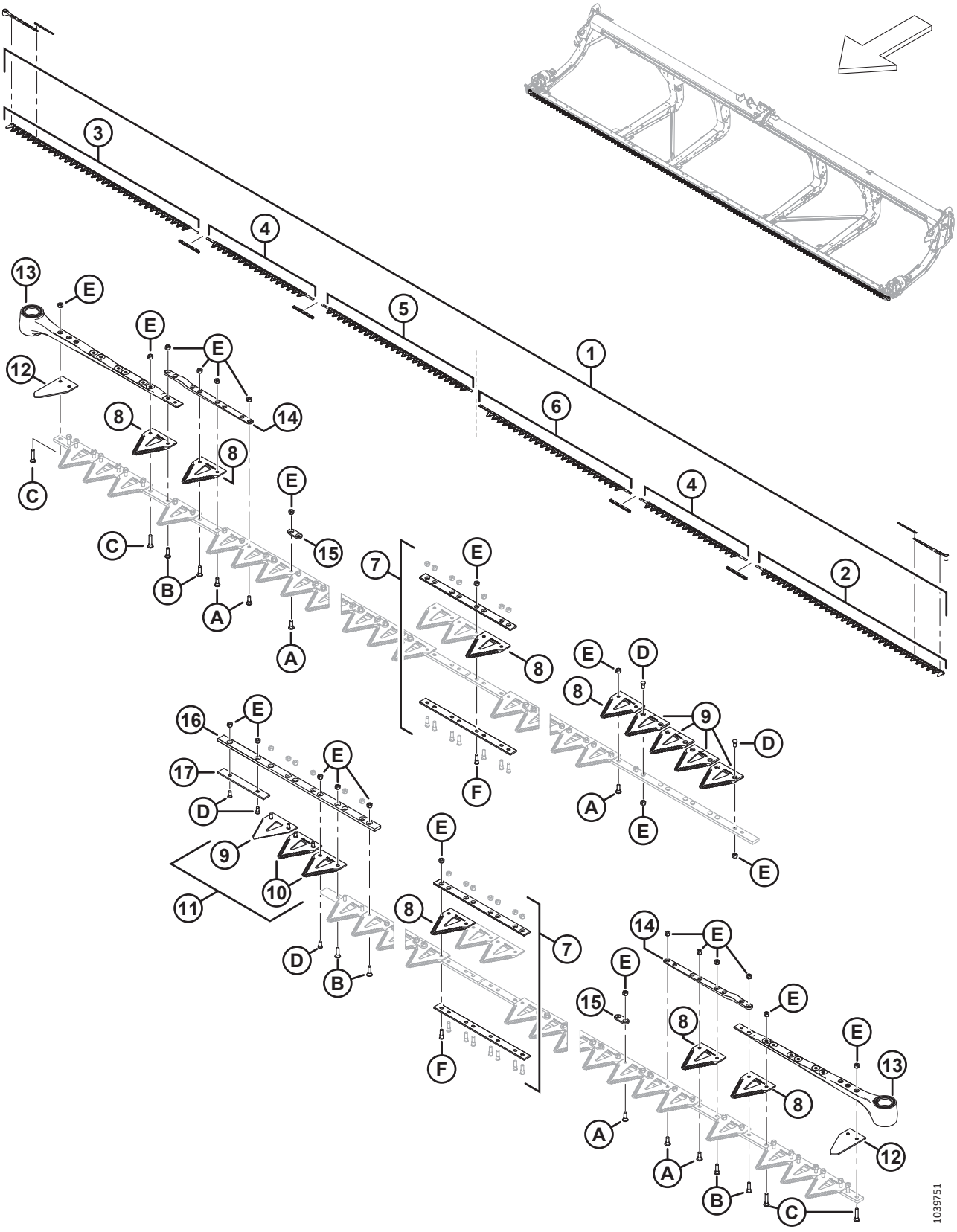
75. Quantities: D225 = 1, D230 = 1, D235 = 0.
76. Quantities: D225 = 0, D230 = 0, D235 = 1.
77. Quantities: D225 = 2, D230 = 3, D235 = 3.
78. Quantities (individual sections): D225 = 99, D230 = 119, D235 = 139.

30 Knives – Double-Knife Headers (D241)



Ref	Part Number	Description	Qty	Serial Number
1	286888	KIT – KNIFE 41 FT DK COARSE [79]	1	
	286618	**KIT – KNIFE 41 FT DK FINE** [80]	**OPT**	
	286789	**KIT – KNIFE 41 FT DK ULTRA COARSE** [81]	**OPT**	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	**KNIFE – HEAD SEGMENT LH FINE 2676 MM**	**OPT**	
	286758	**KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM**	**OPT**	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	**KNIFE – HEAD SEGMENT RH FINE 2676 MM**	**OPT**	
	286759	**KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM**	**OPT**	
4	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM	2	
	286582	**KNIFE – CENTER SEGMENT FINE 1520 MM**	**OPT**	
	286761	**KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM**	**OPT**	
5	286866	KNIFE – TAIL SEGMENT RH COARSE 2147 MM	1	
	286871	**KNIFE – TAIL SEGMENT RH FINE 2147 MM**	**OPT**	
	286876	**KNIFE – TAIL SEGMENT RH ULTRA COARSE 2147 MM**	**OPT**	
6	286576	KNIFE – TAIL SEGMENT LH COARSE 2161 MM	1	
	286593	**KNIFE – TAIL SEGMENT LH FINE 2161 MM**	**OPT**	
	286769	**KNIFE – TAIL SEGMENT LH ULTRA COARSE 2161 MM**	**OPT**	
7	286493	KIT – KNIFE SPLICE [82]	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [83]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [83]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [83]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [84]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [84]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [84]	OPT	
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [85]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [85]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [85]	OPT	

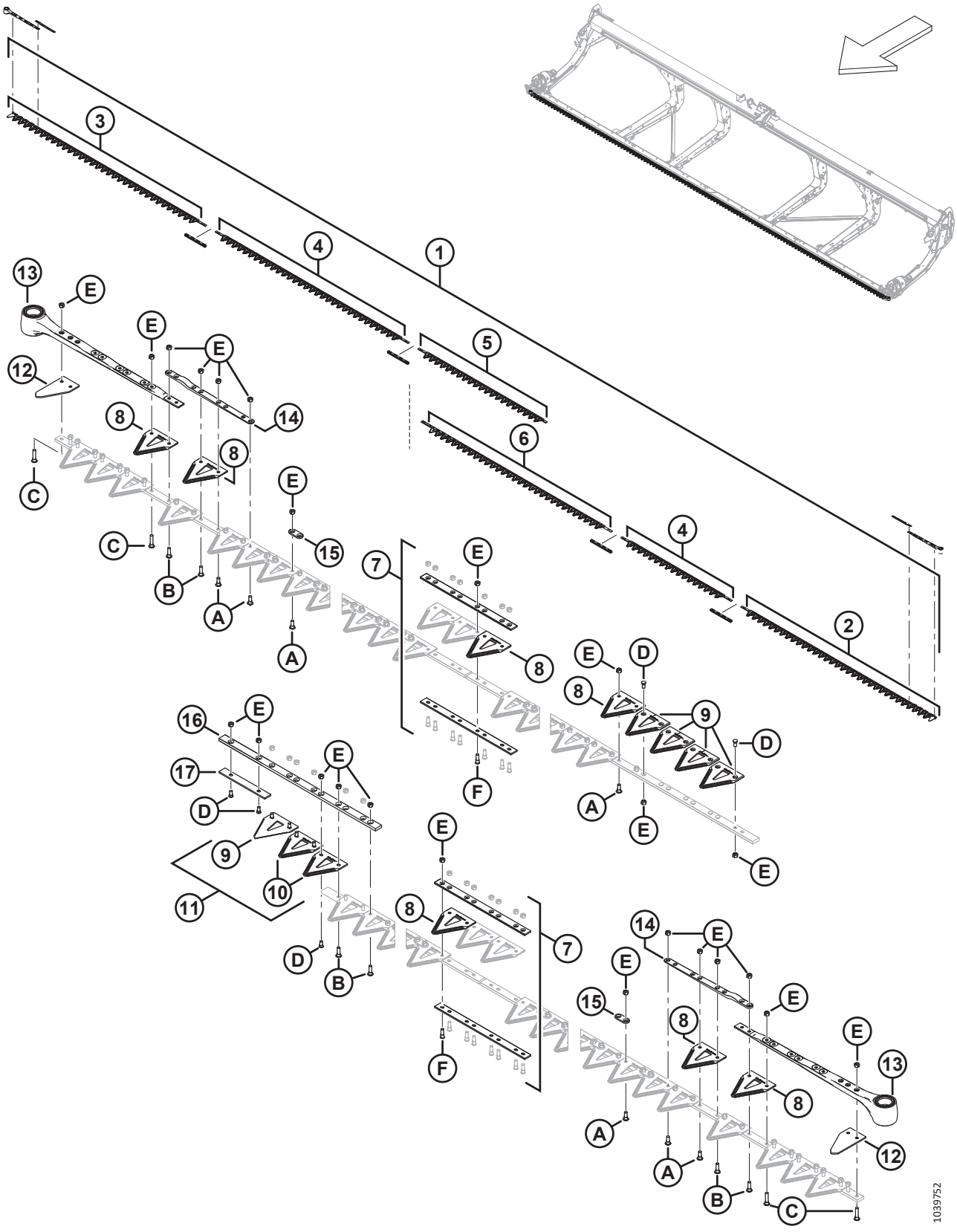
79. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), two center coarse knife segments (MD #286565), one RH tail coarse knife segment (MD #286866), and one LH tail coarse knife segment (MD #286576).
80. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), two center fine knife segments (MD #286582), one RH tail fine knife segment (MD #286871), and one LH tail fine knife segment (MD #286593).
81. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), two center ultra coarse knife segments (MD #286761), one RH tail ultra coarse knife segment (MD #286876), and one LH tail ultra coarse knife segment (MD #286769).
82. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259).
83. Quantities (individual sections): 163.
84. Quantities (individual sections): 5.
85. Quantities (individual sections): 2.


1039751

Ref	Part Number	Description	Qty	Serial Number
11	286861	KIT – CLEARCUT COARSE CENTER [86]	A/R	
	286862	KIT – CLEARCUT FINE CENTER [87]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [88]	OPT	
12	226983	SECTION – END	2	
13	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
14	286440	BAR – FORGED	2	
15	286481	BAR – REINFORCEMENT (25 PACK) [89]		
16	286362	BAR – KNIFE OVERLAP GUIDE	1	
17	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

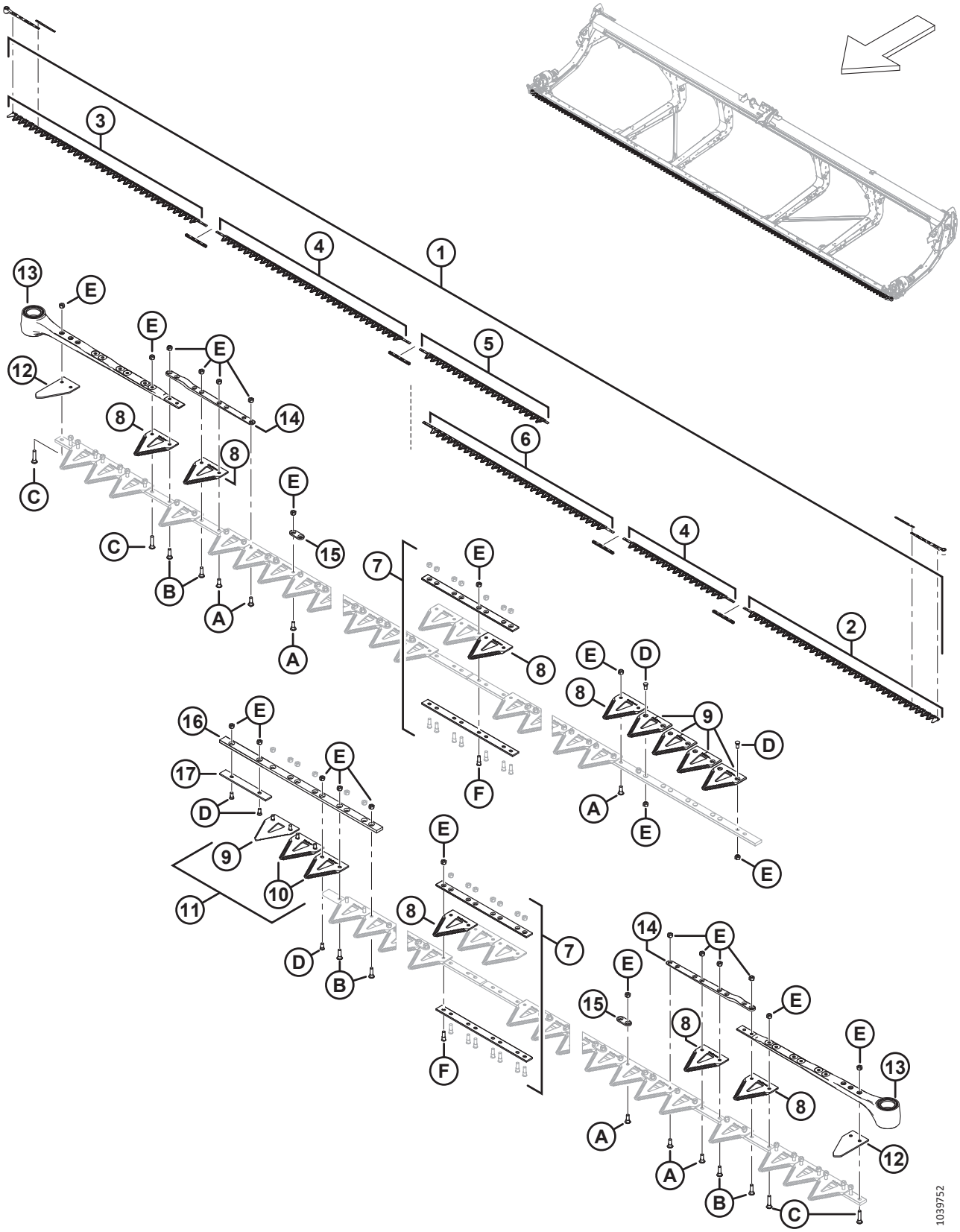
86. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
87. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
88. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
89. Quantities (individual bars): 88.

31 Knives – Double-Knife Headers (D245)



Ref	Part Number	Description	Qty	Serial Number
1	286889	KIT – KNIFE 45 FT DK COARSE [90]	1	
	286619	**KIT – KNIFE 45 FT DK FINE** [91]	**OPT**	
	286790	**KIT – KNIFE 45 FT DK ULTRA COARSE** [92]	**OPT**	
2	286562	KNIFE – HEAD SEGMENT LH COARSE 2676 MM	1	
	286579	KNIFE – HEAD SEGMENT LH FINE 2676 MM	OPT	
	286758	KNIFE – HEAD SEGMENT LH ULTRA COARSE 2676 MM	OPT	
3	286563	KNIFE – HEAD SEGMENT RH COARSE 2676 MM	1	
	286580	KNIFE – HEAD SEGMENT RH FINE 2676 MM	OPT	
	286759	KNIFE – HEAD SEGMENT RH ULTRA COARSE 2676 MM	OPT	
4	286564	KNIFE – CENTER SEGMENT COARSE 2663 MM	1	
	286565	KNIFE – CENTER SEGMENT COARSE 1520 MM	1	
	286581	KNIFE – CENTER SEGMENT FINE 2663 MM	OPT	
	286582	KNIFE – CENTER SEGMENT FINE 1520 MM	OPT	
	286760	KNIFE – CENTER SEGMENT ULTRA COARSE 2663 MM	OPT	
	286581	KNIFE – CENTER SEGMENT ULTRA COARSE 1520 MM	OPT	
5	286867	KNIFE – TAIL SEGMENT RH COARSE 1766 MM	1	
	286872	KNIFE – TAIL SEGMENT RH FINE 1766 MM	OPT	
	286877	KNIFE – TAIL SEGMENT RH ULTRA COARSE 1766 MM	OPT	
6	286575	KNIFE – TAIL SEGMENT LH COARSE 2618 MM	1	
	286592	KNIFE – TAIL SEGMENT LH FINE 2618 MM	OPT	
	286768	KNIFE – TAIL SEGMENT LH ULTRA COARSE 2618 MM	OPT	
7	286493	KIT – KNIFE SPLICE [93]	4	
8	286461	SECTION – CLEARCUT COARSE (25 PACK) [94]		
	286462	SECTION – CLEARCUT FINE (25 PACK) [95]	OPT	
	286627	SECTION – CLEARCUT ULTRA COARSE (25 PACK) [95]	OPT	
9	286463	SECTION – CLEARCUT COARSE TOP CSK (10 PACK) [96]		
	286465	SECTION – CLEARCUT FINE TOP CSK (10 PACK) [97]	OPT	
	286628	SECTION – CLEARCUT ULTRA COARSE TOP CSK (10 PACK) [97]	OPT	

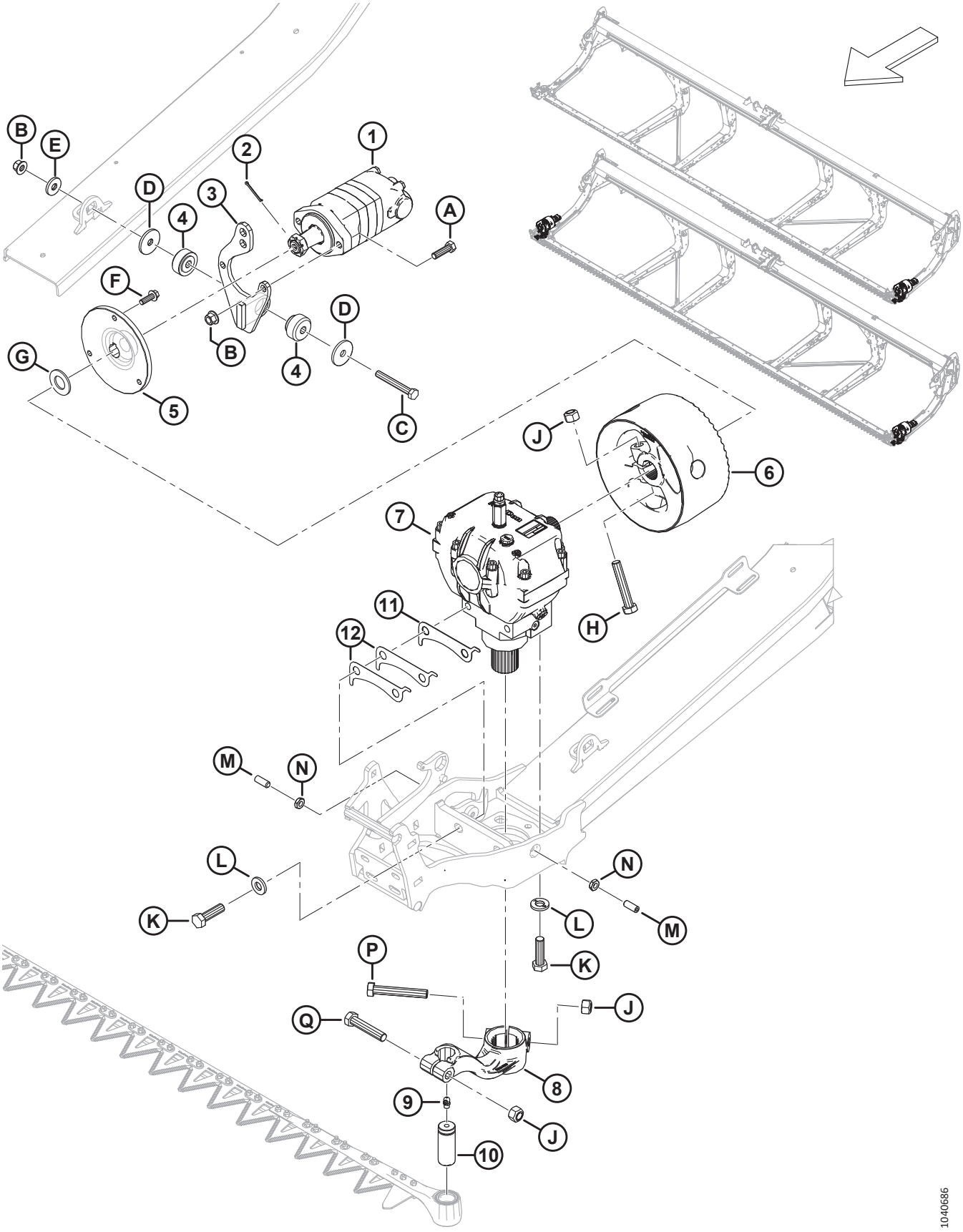
90. The kit includes one 25-pack of ClearCut™ coarse sections (MD #286461), four knife splice kits (MD #286493), one LH coarse knife head segment (MD #286562), one RH coarse knife head segment (MD #286563), one center coarse knife segment (2663 mm) (MD #286564), one center coarse knife segment (1520 mm) (MD #286565), one RH tail coarse knife segment (MD #286867), and one LH tail coarse knife segment (MD #286575).
91. The kit includes one 25-pack of ClearCut™ fine sections (MD #286462), four knife splice kits (MD #286493), one LH fine knife head segment (MD #286579), one RH fine knife head segment (MD #286580), one center fine knife segment (2663 mm) (MD #286581), one center fine knife segment (1520 mm) (MD #286582), one RH tail fine knife segment (MD #286872), and one LH tail fine knife segment (MD #286592).
92. The kit includes one 25-pack of ClearCut™ ultra coarse sections (MD #286627), four knife splice kits (MD #286493), one LH ultra coarse knife head segment (MD #286758), one RH ultra coarse knife head segment (MD #286759), one center ultra coarse knife segment (2663 mm) (MD #286760), one center ultra coarse knife segment (1520 mm) (MD #286761), one RH tail ultra coarse knife segment (MD #286877), and one LH tail ultra coarse knife segment (MD #286768).
93. The kit includes bottom splice bar (NSS), top splice bar (NSS), eight screws (MD #286314), and eight nuts (MD #226259).
94. Quantities (individual sections): 179.
95. Quantities (individual sections): 179.
96. Quantities (individual sections): 5.
97. Quantities (individual sections): 5.


1039752

Ref	Part Number	Description	Qty	Serial Number
10	286464	SECTION – CLEARCUT COARSE BOTTOM CSK (10 PACK) [98]		
	286466	SECTION – CLEARCUT FINE BOTTOM CSK (10 PACK) [99]	OPT	
	286629	SECTION – CLEARCUT ULTRA COARSE BOTTOM CSK (10 PACK) [99]	OPT	
11	286861	KIT – CLEARCUT COARSE CENTER [100]		
	286862	KIT – CLEARCUT FINE CENTER [101]	OPT	
	286863	KIT – CLEARCUT ULTRA COARSE CENTER [102]	OPT	
12	226983	SECTION – END	2	
13	226941	KNIFE HEAD ASSEMBLY	2	
	115670	O-RING – 1.78 X 34.64		
	113937	DISC		
	113222	SEAL KIT		
	100500	BEARING – NEEDLE		
14	286440	BAR – FORGED	2	
15	286481	BAR – REINFORCEMENT (25 PACK) [103]		
16	286362	BAR – KNIFE OVERLAP GUIDE	1	
17	286363	BAR – WEAR	1	
A	286475	SCREW – M6 X 18 MM, C/W NUT (50 PACK)		
B	286476	SCREW – M6 X 22 MM, C/W NUT (25 PACK)		
C	286477	SCREW – M6 X 29 MM, C/W NUT (25 PACK)		
D	286478	SCREW – CSK M6 X 14 MM, C/W NUT (25 PACK)		
E	286479	NUT – CTR LOC CSK M6 X 1 (50 PACK)		
F	286621	SCREW – CSK M6 X 22 MM, C/W NUT (25 PACK)		

98. Quantities (individual sections): 2.
99. Quantities (individual sections): 2.
100. The kit includes five ClearCut™ coarse top CSK sections (NSS), two ClearCut™ coarse bottom CSK sections (NSS), and hardware.
101. The kit includes five ClearCut™ fine top CSK sections (NSS), two ClearCut™ fine bottom CSK sections (NSS), and hardware.
102. The kit includes five ClearCut™ ultra coarse top CSK sections (NSS), two ClearCut™ ultra coarse bottom CSK sections (NSS), and hardware.
103. Quantities (individual bars): 103.

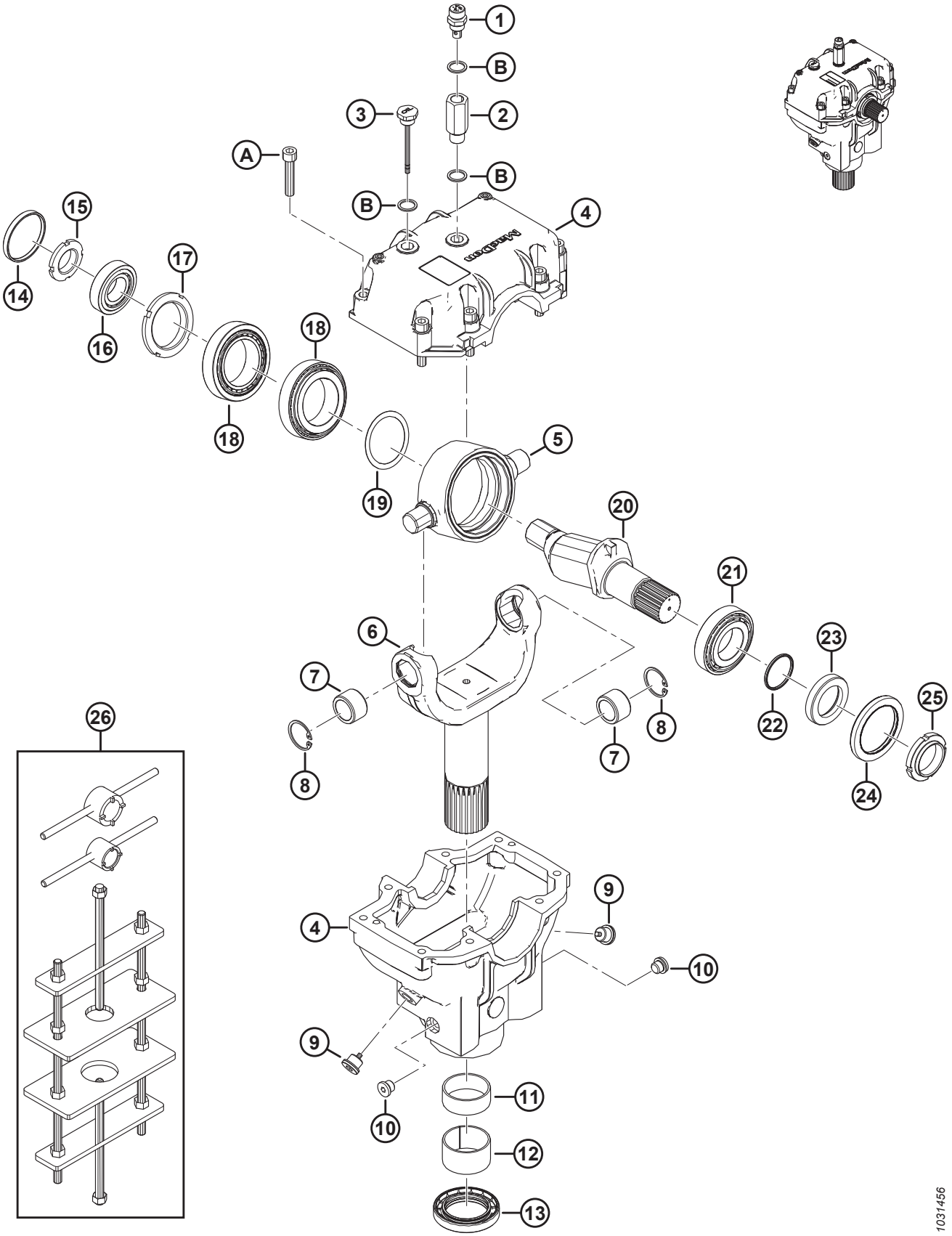
32 Knife Drive – Single and Double Knife



Ref	Part Number	Description	Qty	Serial Number
1	283002	MOTOR – EATON 2000 100 CC [104]	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0 -20 UNEF		
2	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
3	286826	SUPPORT – WELDT SAE-A MOTOR	1	
4	143107	BUSHING – RUBBER [105]	1	
5	286087	HUB – MACHINED	1	
6	286703	FLYWHEEL – KNIFE DRIVE C/W DECAL	1	
7	286089	DRIVE – KNIFE [106]	1	
8	226926	ARM – LH KNIFE DRIVE C/W DECAL	1	
	226927	ARM – RH KNIFE DRIVE C/W DECAL (DOUBLE KNIFE ONLY) [107]	1	
9	21194	FITTING – LUBRICATION 90° 1/8 NPT	1	
10	113229	PIN – SICKLE HEAD	1	
11	226400	SHIM – KNIFE DRIVE BOX, 1.2 MM [108]		
12	360870	SHIM – KNIFE DRIVE BOX, 0.6 MM [108]		
A	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J	2	
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10	3	
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-AA1J	1	
D	11695	WASHER – FLAT	2	
E	4761	WASHER – FLAT	1	
F	184663	BOLT – HEX HD TFL M10 X 1.5 X 30-10.9-AA1J	3	
G	18603	WASHER – FLAT SAE 1 1/16 ID X 2.0 IN OD AA1J	1	
H	320214	BOLT – HEX HD M16 X 2 X 90-10.9-ZINC	1	
J	320026	NUT – HEX TOP LOCK M16 X 2-10-ZINC	3	
K	320311	BOLT – HEX HD M16 X 2 X 55-12.9-ZINC	4	
L	120901	WASHER – HARD L9 SPCL 5/8-82/85 HR 15N-AB0C	4	
M	320089	SCREW – SET M12 X 1.75 X 30 [109]	2	
N	184696	NUT – HEX THIN M12 X 1.75-05-AA1J	2	
P	320215	BOLT – HEX HD M16 X 2 X 100-10.9-ZINC	1	
Q	152602	BOLT – HEX HD M16 X 2 X 80-10.9-AA1J	1	

104. Motor includes seal kit (MD #174304), key, and slotted nut (MD #137375).
105. The rubber bushing (MD #143107) includes both halves shown in the illustration.
106. For repair parts, refer to Section *33 Knife Drive Box, page 71*.
107. Double-knife headers only.
108. Shim quantity varies for assembly clearances. Maximum allowable shims is four 1.2 mm shims (MD #226400) (or three 1.2 mm shims and two 0.6 mm shims [MD #360870]).
109. Set screw is used to adjust knife drive (MD #286089) left to right within the specified tolerance. Tighten lock nut (MD #184696) once knife drive has been adjusted correctly.

33 Knife Drive Box

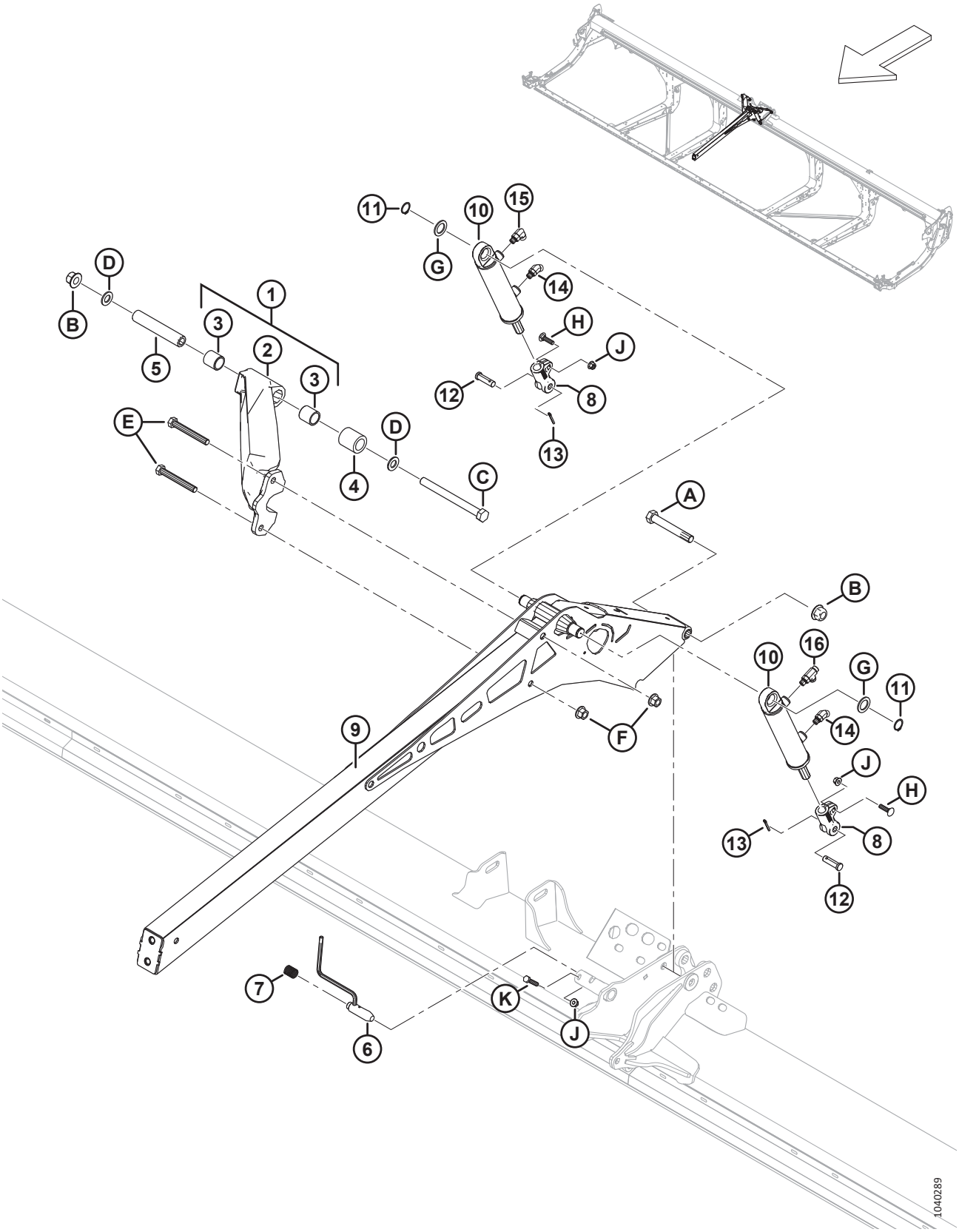


KNIFE DRIVE BOX

Ref	Part Number	Description	Qty	Serial Number
	286089	DRIVE – KNIFE		
1	286489	PLUG – BREATHER	1	
2	257089	EXTENSION	1	
3	286490	PLUG – LEVEL	1	
4	286485	CASTING – KNIFE DRIVE BOX [110]	1	
5	100721	PIVOT	1	
6	286483	YOKE	1	
7	100723	BUSHING – BRONZE	2	
8	100722	RING – RETAINING INTERNAL	2	
9	286488	PLUG – DRAIN	2	
10	252423	PLUG – DRAIN	2	
11	100726	BUSHING – STEEL	1	
12	286486	BUSHING – STEEL	1	
13	286445	SEAL – OIL	1	
14	100719	CAP – DUST	1	
15	100718	NUT – SPECIAL LOCK M30 X 1.5 CLASS 8.8	1	
16	100717	ASSSEMBLY – BEARING (CUP AND CONE)	1	
17	100715	NUT – SPECIAL LOCK M55 X 2 CLASS 8.8	1	
18	100720	ASSEMBLY – BEARING (CUP AND CONE)	2	
19	113152	KIT – SHIM	1	
20	100710	SHAFT	1	
21	100714	BEARING – ASSEMBLY CUP AND CONE	1	
22	100712	O-RING – 2.62 X 40.95	1	
23	102629	SPACER	1	
24	102630	SEAL – OIL (DOUBLE LIP)	1	
25	100709	NUT – SPECIAL M40 X 1.5 CLASS 8.8	1	
26	139003	KIT – WOBBLE BOX TOOL [111]	A/R	
A	113153	SCREW – HEX SOC HD M10 X 1.5 X 50-8.8-BO		
B	257054	WASHER – COPPER		

110. The knife drive box casting includes top and bottom knife drive box castings and eight screws (MD #113153).
111. The kit includes large socket tool, small socket tool, and wobble box jig frame.

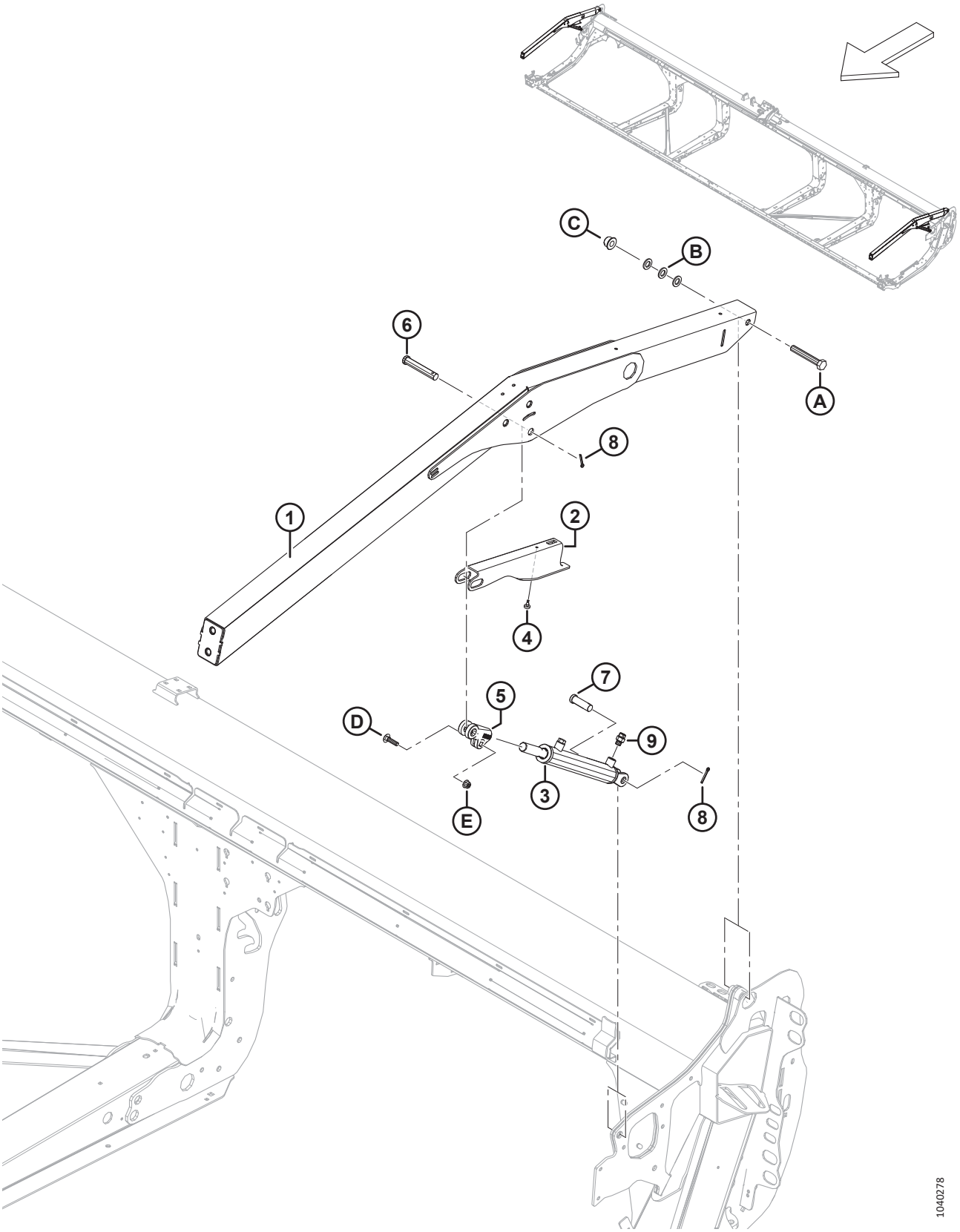
34 Reel Support Arm and Lift Cylinders – Center Arm, Double Reel



Ref	Part Number	Description	Qty	Serial Number
1	311627	BRACE – SUB ASSY C/W BUSHINGS [112]	1	
2	**NSS**	**BRACE – MACHINED** [113]	**1**	
3	311613	BUSHING	2	
4	311612	SPACER – BRACE REEL PIVOT	1	
5	311611	TUBE – PIVOT REEL BRACE	1	
6	273680	WELDT – PIN	1	
7	289880	SPRING – COMPRESSION	1	
8	273860	CLEVIS – CYL END MACHINED	2	
9	273795	ARM – CENTER WELDT	1	
10	273790	CYLINDER – HYD	2	
	311285	SEAL KIT		
11	30144	RING – EXT RETAINING	2	
12	18621	PIN – CLEVIS	2	
13	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
14	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
15	136095	FITTING – ELBOW 90° HYD	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
16	136240	FITTING – TEE HYD	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	320196	BOLT – HEX HD M20 X 2.5 X 140-SPCL-10.9-ZINC		
B	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		
C	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
D	136701	WASHER – NORDLOCK M20		
E	320168	BOLT – HEX HD M16 X 2 X 125-8.8-ZINC		
F	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
G	156178	WASHER – THRUST		
H	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
K	30629	BOLT – HEX HD M10 X 1.5 X 50-8.8-A3L		

112. Includes machined brace (NSS) and two bushings (MD #311613).
113. Not sold separately; to service this part, order brace assembly complete with bushings (MD #311627).

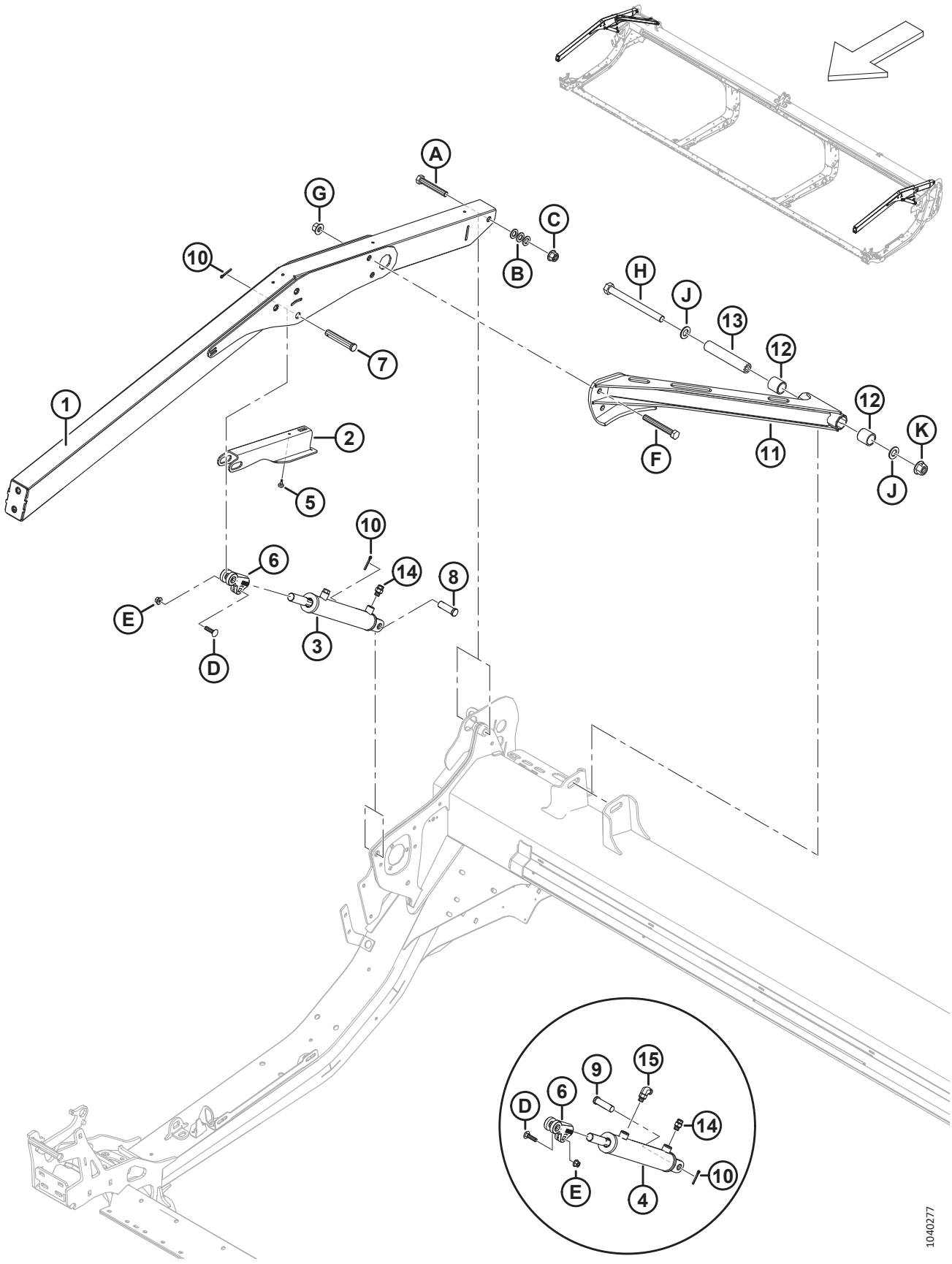
35 Reel Support Arm and Lift Cylinders – Outer Arms, Double Reel



Ref	Part Number	Description	Qty	Serial Number
1	311949	ARM – OUTER W/ DECAL [114]	2	
2	340191	SUPPORT – REEL PROP	2	
3	273787	CYLINDER – HYD	2	
	311284	SEAL KIT		
	174879	BREATHER – ORB #6		
4	273653	BUMPER – RUBBER	2	
5	228338	CLEVIS – CYL END MACHINED	2	
6	18629	PIN – CLEVIS	2	
7	18626	PIN – CLEVIS	2	
8	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
9	135778	FITTING – ADAPTER	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	136310	BOLT – HEX HD M16 X 2 X 105-SPCL-8.8-AA1J		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

114. Arm includes two reel entanglement hazard decals (MD #360541).

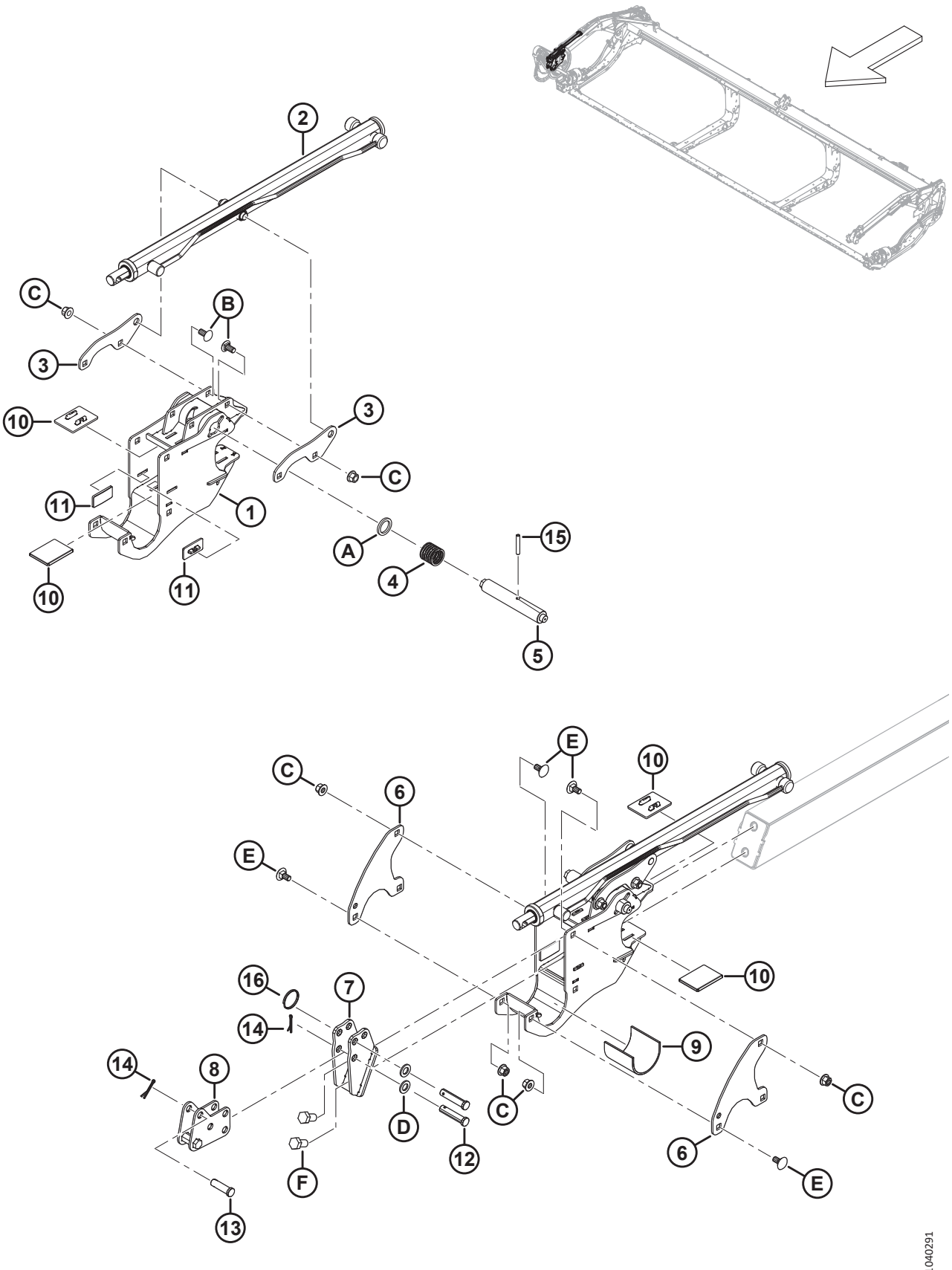
36 Reel Support Arm and Lift Cylinders – Outer Arms, Single Reel



Ref	Part Number	Description	Qty	Serial Number
1	360035	ASSY – SR OUTER ARM W/ DECAL [115]	2	
2	340191	SUPPORT – REEL PROP	2	
3	273788	CYLINDER – HYD (RH) [116]	1	
	323687	SEAL KIT		
	174879	BREATHER – ORB #6		
4	273789	CYLINDER – HYD (LH) [116]	1	
	323688	SEAL KIT		
5	273653	BUMPER – RUBBER	2	
6	228338	CLEVIS – CYL END MACHINED	2	
7	18629	PIN – CLEVIS	2	
8	18626	PIN – CLEVIS (RH) [117]	1	
9	322970	PIN – CLEVIS 3/4 X 1-31/32 (LH) [117]	1	
10	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
11	340648	BRACE – SR W/ BUSHINGS [118]	1	
12	311613	BUSHING	2	
13	311611	TUBE – PIVOT REEL BRACE	1	
14	135778	FITTING – ADAPTER	2	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
15	136095	FITTING – ELBOW 90° HYD [119]	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	136310	BOLT – HEX HD M16 X 2 X 105-SPCL-8.8-AA1J		
B	184717	WASHER – FLAT REG M16-200HV-AA1J		
C	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	320168	BOLT – HEX HD M16 X 2 X 125-8.8-AA1J		
G	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
H	252581	BOLT – HEX HD M20 X 2.5 X 220-10.9-AA1J		
J	136701	WASHER – NORDLOCK M20		
K	136122	NUT – HEX FLG CTR LOC M20 X 2.5-10-AA1J		

115. Arm includes two reel entanglement hazard decals (MD #360541).
116. For RH cylinder (MD #273788), order seal kit (MD #323687); for LH cylinder (MD #273789), order seal kit (MD #323688).
117. To secure the RH cylinder to the right endsheet, use clevis pin (MD #18626); to secure the LH cylinder to the left endsheet, use clevis pin (MD #322970).
118. The brace includes two bushings (MD #311613).
119. Used on the left cylinder only.

37 Reel Arm Components – Right Arm, Single Reel

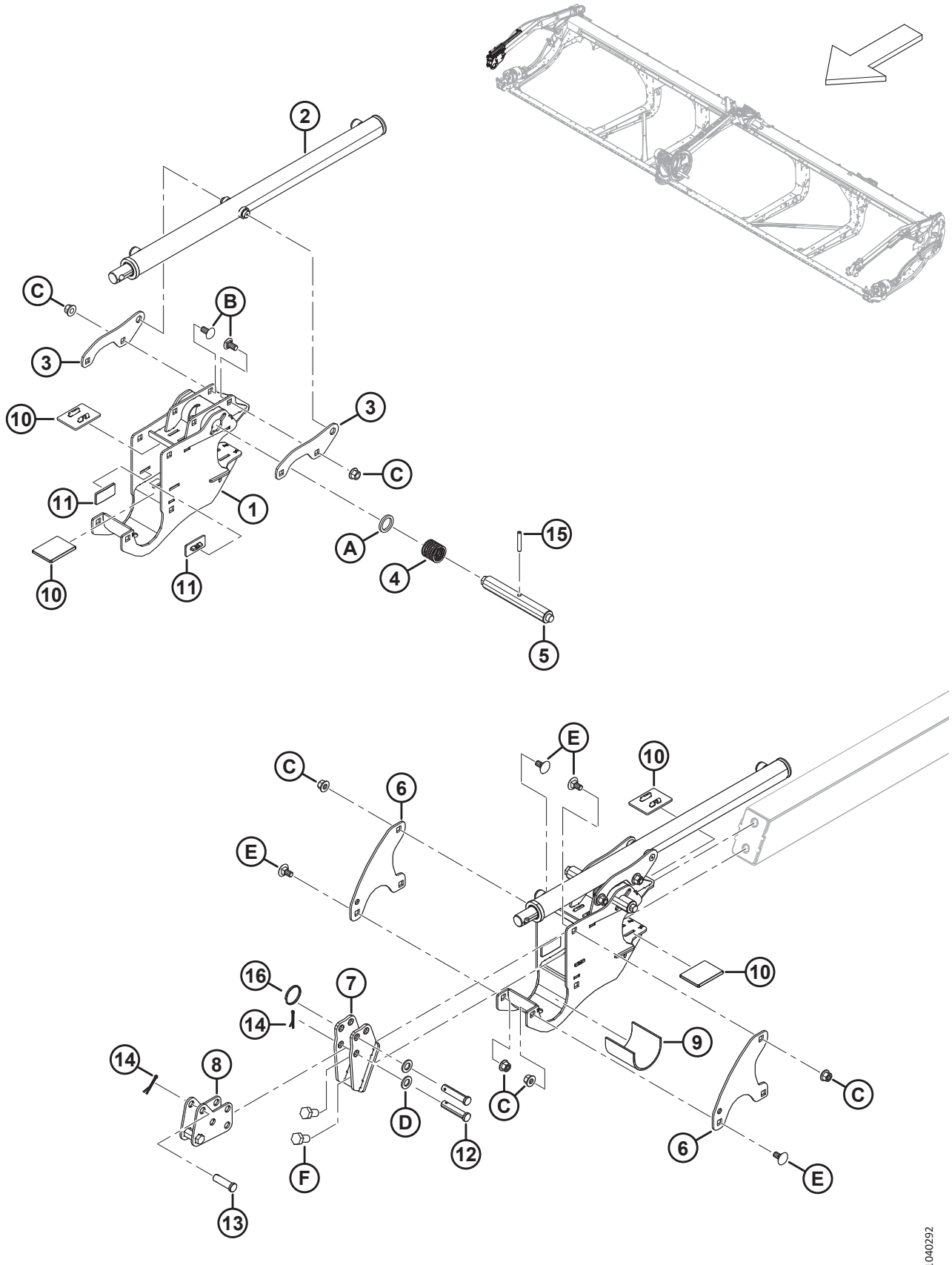


REEL ARM COMPONENTS – RIGHT ARM, SINGLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL C/W DECAL	1	
2	273283	CYLINDER – FORE AFT [120]	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273278	PIN – CAM LATCH, DRIVES RH	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

120. Right arm, single reel only.

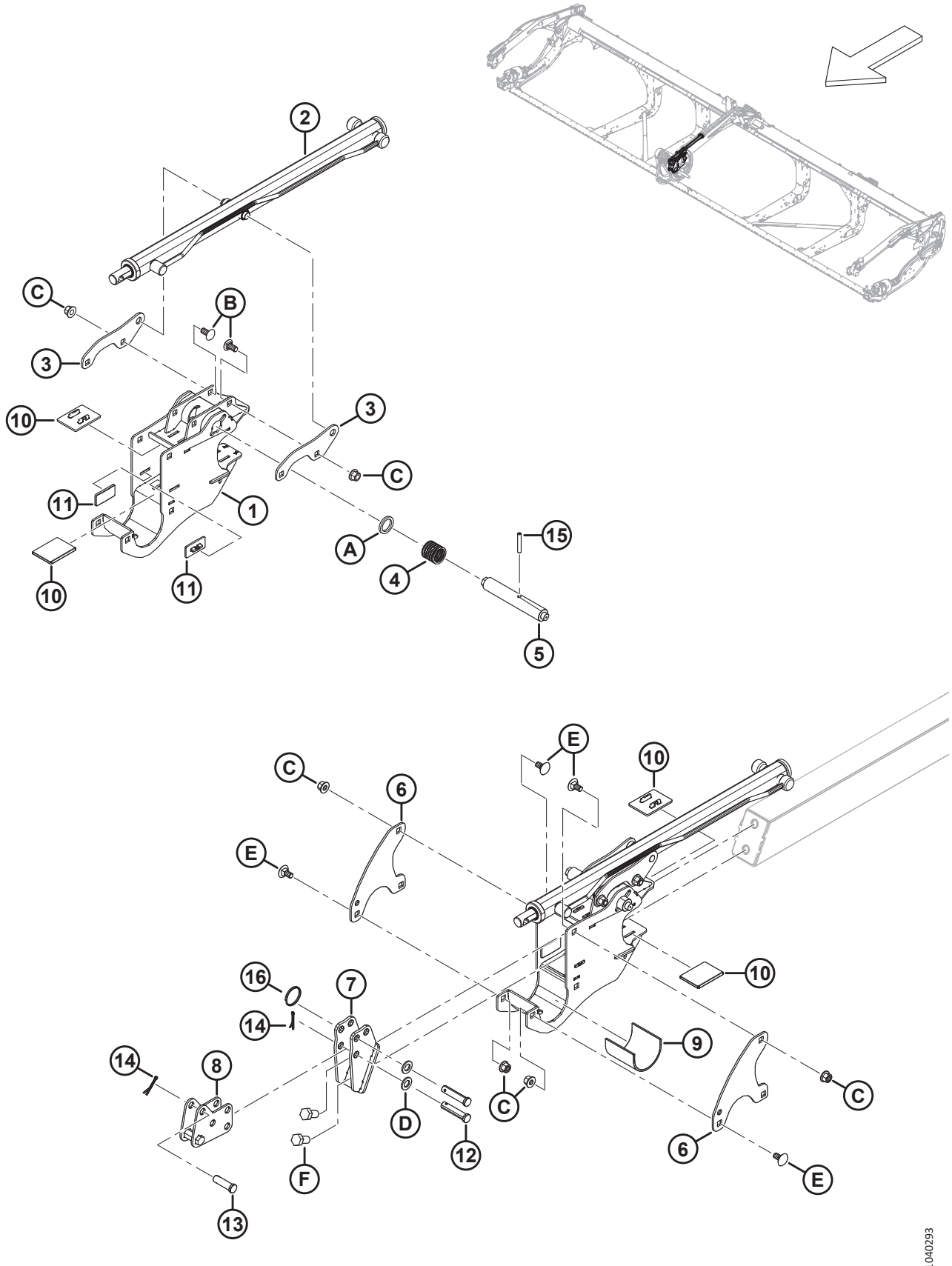
38 Reel Arm Components – Right Arm, Double Reel



REEL ARM COMPONENTS – RIGHT ARM, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL CENTER C/W DECAL	1	
2	273284	CYLINDER – FORE AFT (RIGHT ARM ONLY)	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273281	PIN – CAM LATCH RH CAMS	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	3	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

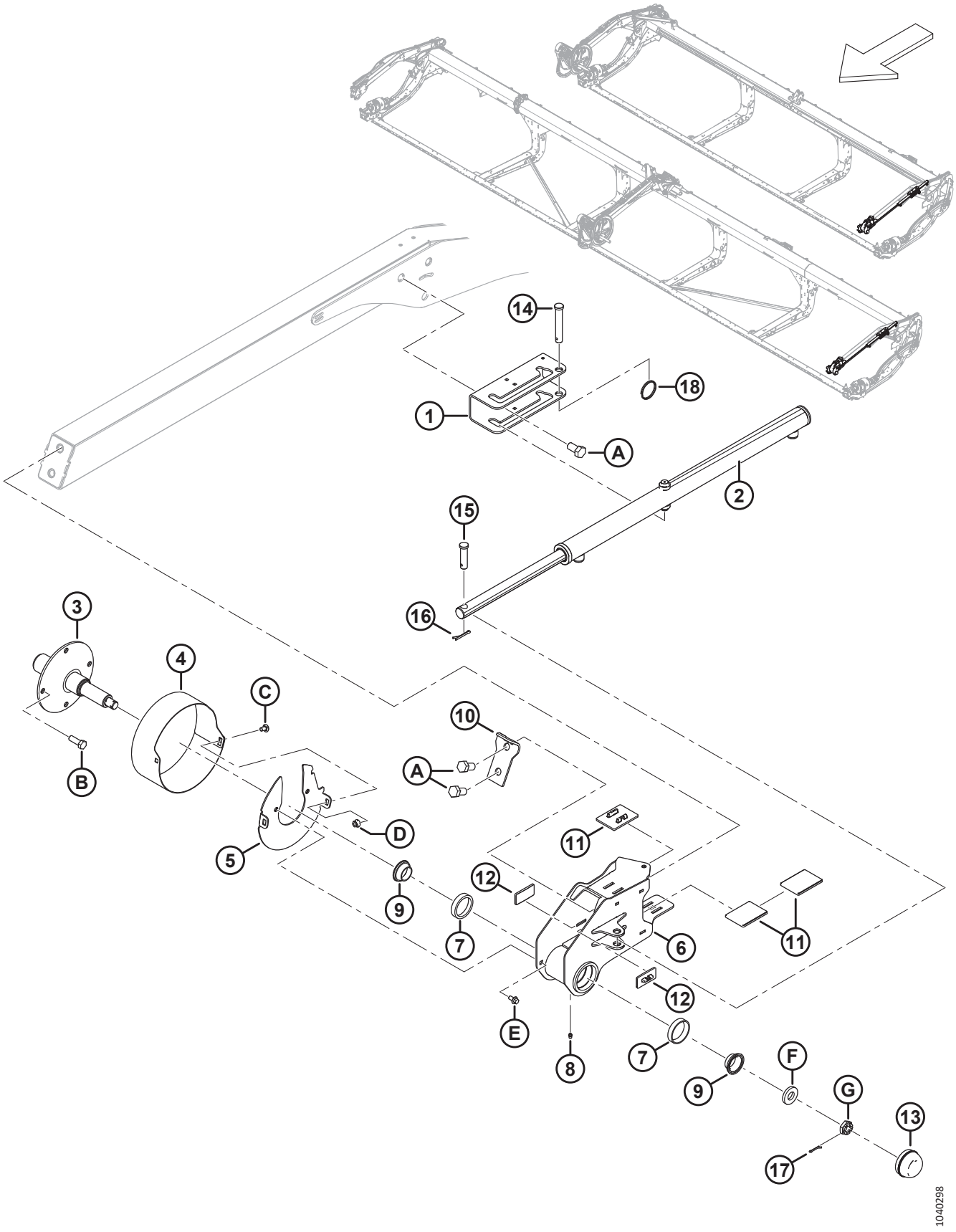
39 Reel Arm Components – Center Arm, Double Reel



REEL ARM COMPONENTS – CENTER ARM, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	340224	SUPPORT – REEL CENTER C/W DECAL	1	
2	273283	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
3	273138	LUG	2	
4	273861	SPRING – COMP - LEFT HAND HELIX	1	
5	273278	PIN – CAM LATCH-DRIVES AND RH CTR	1	
6	273122	PLATE – REEL RETAINER	2	
7	311237	SUPPORT – FRONT ANCHOR WELDT	1	
8	311238	ANCHOR – FORE AFT SUB WELDT	1	
9	228381	SLEEVE – REEL HUB SUPPORT	1	
10	273831	PAD – REEL DRIVE WEAR	4	
11	273777	PAD – REEL DRIVE WEAR	2	
12	18704	PIN – CLEVIS, 15 MM X 68 MM OAL	2	
13	18621	PIN – CLEVIS, 15 MM X 50 MM OAL	1	
14	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	3	
15	16681	PIN – SPRING 5/16 DIA X 2.0 LG	1	
16	320207	RING – SPLIT	1	
A	273304	WASHER – CAM LATCH		
B	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	184717	WASHER – FLAT REG M16-200HV-AA1J		
E	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
F	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		

40 Reel Arm Components – Left Arm

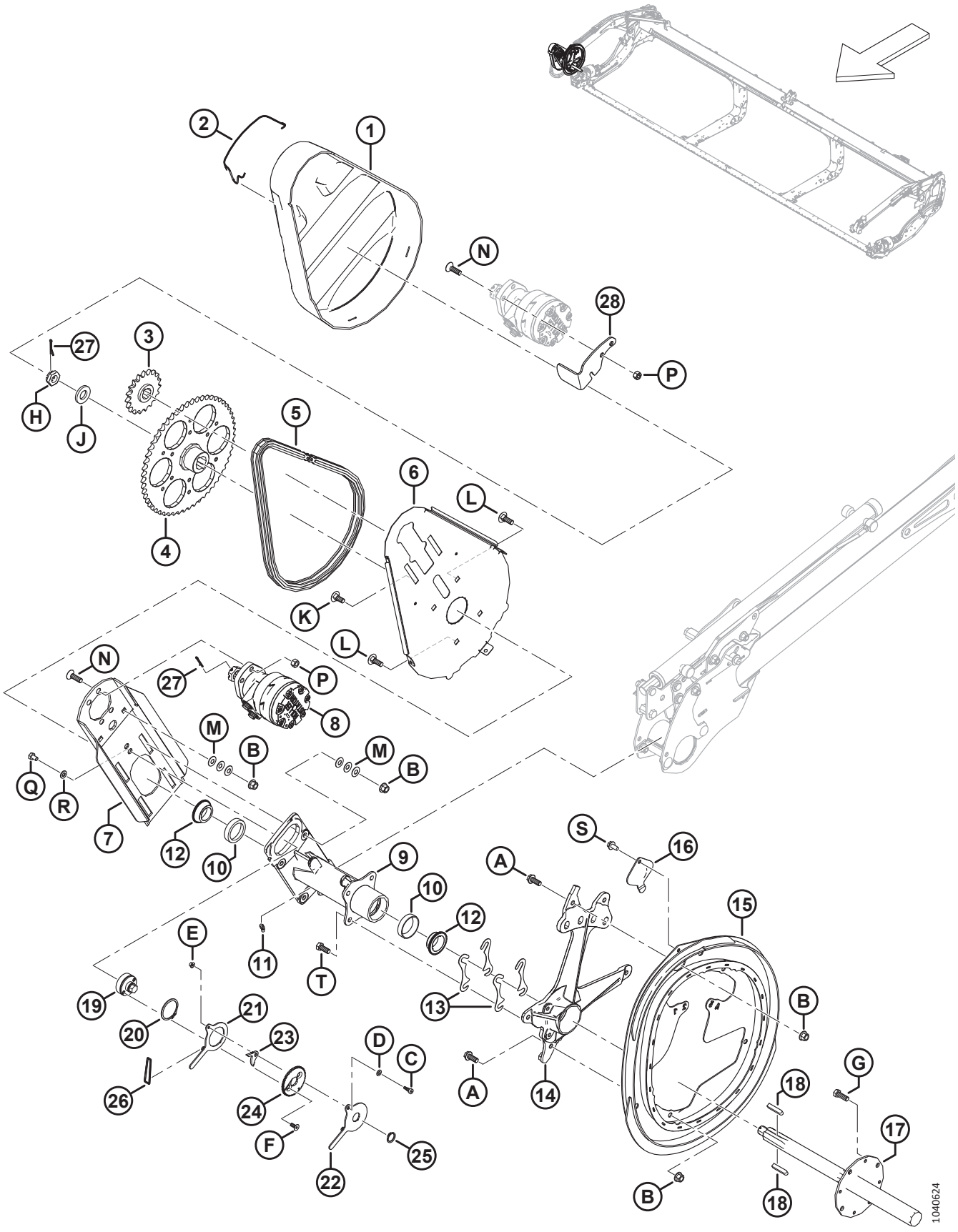


REEL ARM COMPONENTS – LEFT ARM

Ref	Part Number	Description	Qty	Serial Number
1	273637	BRACKET – CYLINDER MOUNT	1	
2	273284	CYLINDER – FORE AFT	1	
	313964	SEAL KIT		
3	228322	SHAFT – TAIL MACHINED	1	
4	273309	SHIELD – LH REEL TAIL END	1	
5	311632	DISC – WELDMENT	1	
6	273772	TAIL END REEL SUPPORT – C/W CUPS [121]	1	
7	164215	BEARING – CUP ROLLER	2	
8	18671	FITTING – LUBE 1/4 - 28 UNF	1	
9	164216	BEARING – CONE C/W SEAL	2	
10	311359	PLATE – STOP REEL	1	
11	273831	PAD – REEL DRIVE WEAR	3	
12	273777	PAD – REEL DRIVE WEAR	2	
13	30520	CAP – DUST	1	
14	19958	PIN – CLEVIS	1	
15	103879	PIN – CLEVIS	1	
16	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
17	18605	PIN – COTTER 1/8 DIA X 1 ZP	1	
18	320207	RING – SPLIT	1	
A	136143	BOLT – HEX HD TFL M16 X 2 X 30-10.9-AA1J		
B	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
C	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
F	16235	WASHER – FLAT		
G	136445	NUT – HEX SLTD FINE M20 X 1.5-SPCL-22HA-ZINC		

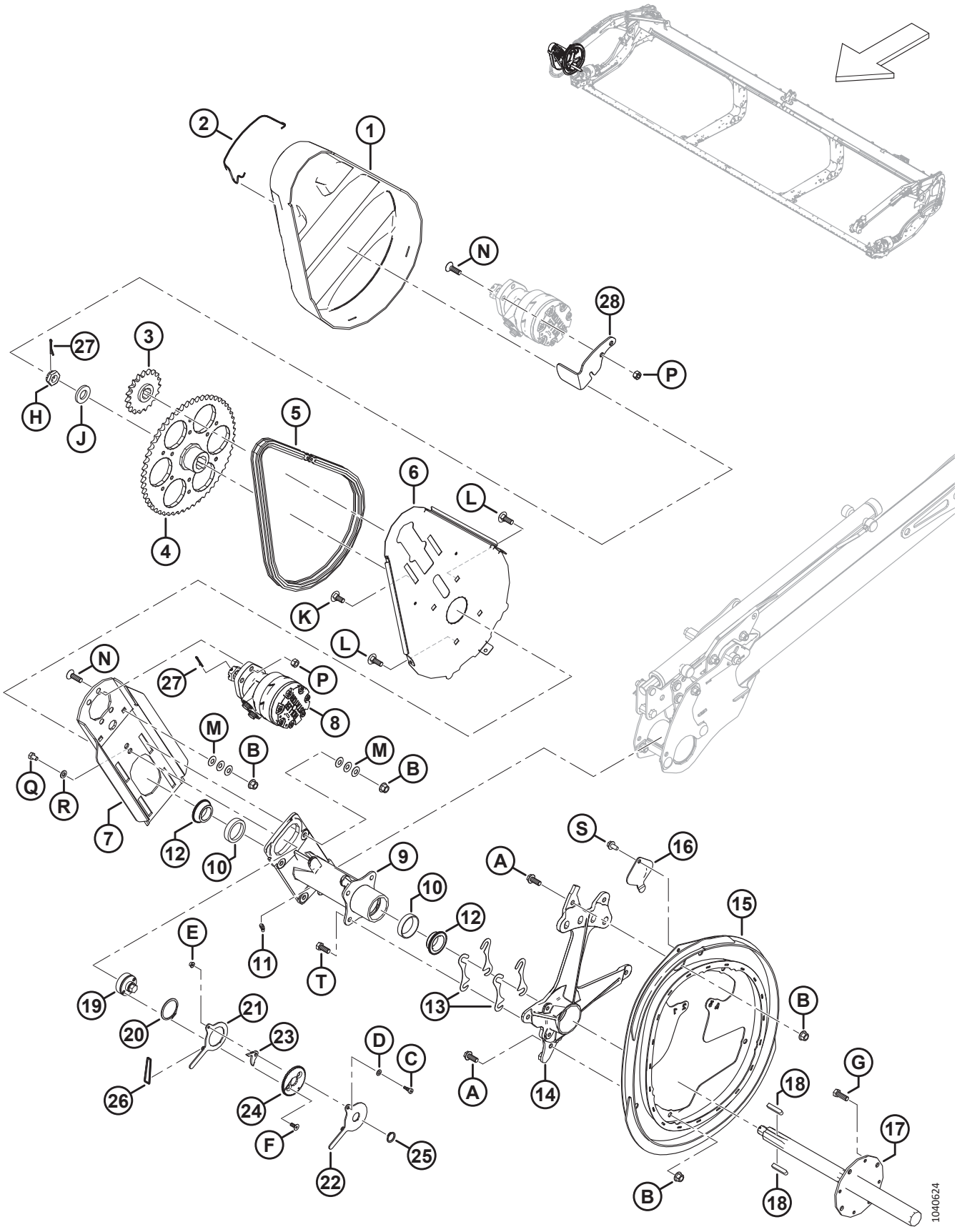
121. The tail end reel support includes lube fitting (MD #18671) and two cup roller bearings (MD #164215).

41 Reel Drive – Single Reel



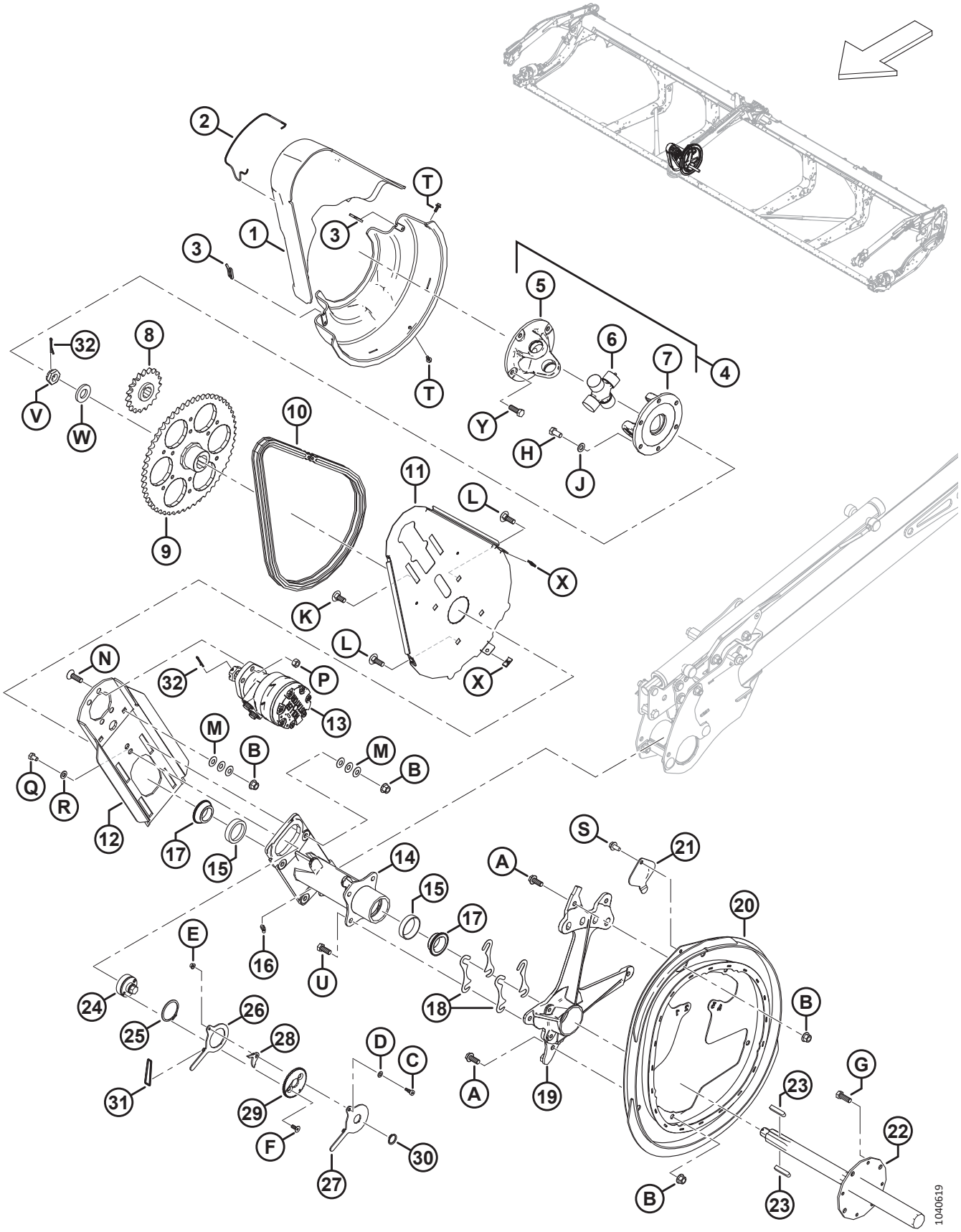
Ref	Part Number	Description	Qty	Serial Number
1	228614	COVER – REEL DRIVE SR	1	
2	228611	SPRING – REEL DRIVE COVER	1	
3	273875	SPROCKET – RC 60, 19 TOOTH	1	
4	228299	SPROCKET – MACHINING 56 TOOTH	1	
5	273907	CHAIN – RC 60 ENDLESS 76 LINKS	1	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS	OPT	
6	228604	SUPPORT – REEL DRIVE BACKPLATE	1	
7	360144	PLATE – MOTOR MOUNT W/ GRAPHITE	1	
8	273258	MOTOR – HYD-15.9 CU.IN. 506 SERIES [122]	1	
	273259	SEAL KIT [123]		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING [124]	OPT	
	311620	SEAL KIT [125]		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
9	273758	HUB – REEL DRIVE [126]	1	
10	164214	BEARING – CUP	2	
11	21301	FITTING – LUBRICATION	1	
12	164213	BEARING – CONE C/W SEAL	2	
13	164061	SHIM – HUB TO CAM	4	
14	228292	SUPPORT – CAM MACHINING	1	
15	273926	CAM – WELDMENT	1	
16	137476	COVER – CAM BEARING ACCESS	1	
17	228301	SHAFT – REEL DRIVE MACHINED	1	
18	137721	KEY – REEL DRIVE SHAFT	2	
19	228460	TIGHTENER – CHAIN	1	
20	111521	RING – RETAINING	1	
21	228478	ARM – INNER	1	
22	228479	ARM – OUTER	1	
23	228485	LATCH	1	
24	228477	DISC – LOCK	1	
25	191353	RING – RETAINING EXTERNAL	1	
26	136882	O-RING – 3.5 X 40.5	1	
27	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
28	360186	RETAINER – COVER	1	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
D	184708	WASHER – FLAT M8-200HV-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		

122. Standard factory-installed motor.
123. Seal kit for standard motor (MD #273258).
124. Optional high capacity motor for high reel loads.
125. Seal kit for optional high capacity motor (MD #273078).
126. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).


1040624

Ref	Part Number	Description	Qty	Serial Number
H	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
J	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
K	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
L	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
M	136702	WASHER – CON SPRING M12-ZINC		
N	136401	SCREW – CSK HEX SOC M12 X 1.75 X 40-10.9-AA1J		
P	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
Q	136842	BOLT – HEX HD TFL M10 X 1.5 X 16-8.8-ZINC		
R	30655	WASHER – HARD M10-340HV-AB0C		
S	136209	SCREW – HEX WSHR M10 X 1.5X20-450HV		
T	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		

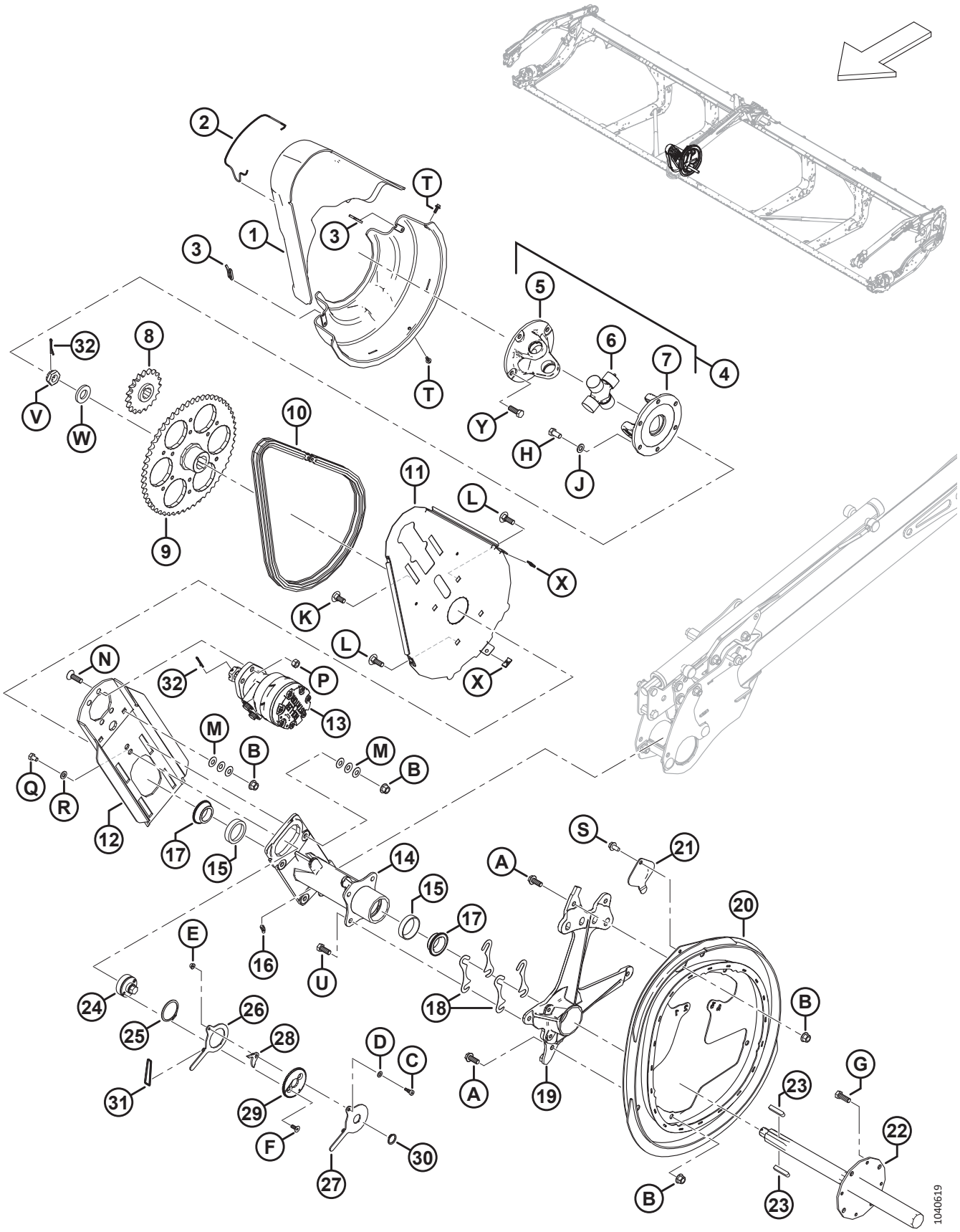
42 Reel Drive – Double Reel



REEL DRIVE – DOUBLE REEL

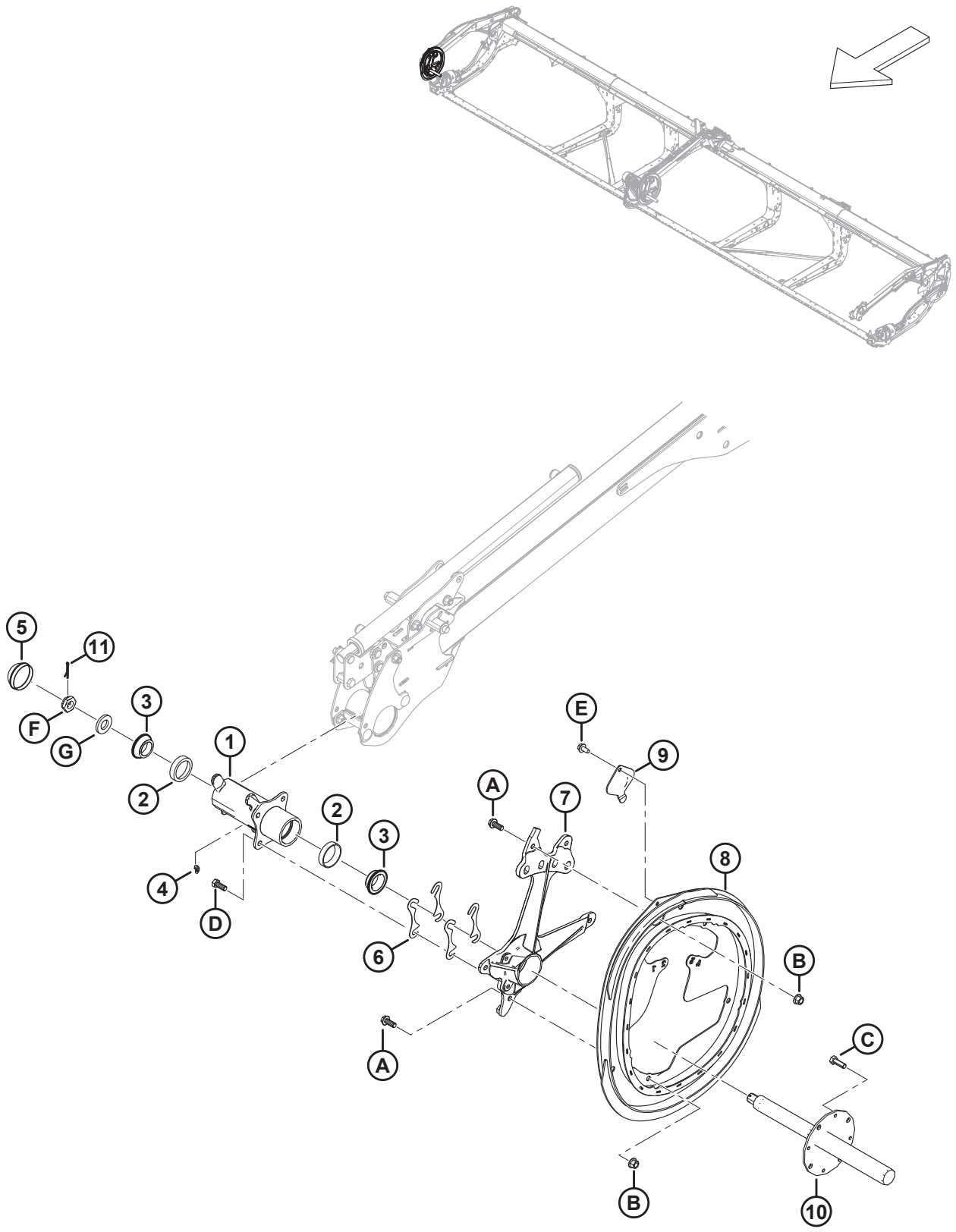
Ref	Part Number	Description	Qty	Serial Number
1	228619	COVER SET – CENTER REEL DRIVE [127]	1	
2	228611	SPRING – REEL DRIVE COVER	1	
3	228848	CLIP – COVER DUAL REEL DRIVE	2	
4	228382	REEL DRIVE U-JOINT [128]	1	
5	228384	YOKE – FLANGE 4 BOLT	1	
6	137825	CROSS JOURNAL ASSEMBLY	1	
7	228385	YOKE – FLANGE 6 BOLT	1	
8	273875	SPROCKET – RC 60, 19 TOOTH	1	
9	228299	SPROCKET – MACHINING 56 TOOTH	1	
10	273907	CHAIN – RC 60 ENDLESS 76 LINKS	1	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS	OPT	
11	228604	SUPPORT – REEL DRIVE BACKPLATE	1	
12	340216	PLATE – MOTOR MOUNT W/ GRAPHITE	1	
13	273258	MOTOR – HYD-15.9 CU.IN. 506 SERIES [129]	1	
	273259	SEAL KIT [130]		
	273078	MOTOR – HYD-260 CC HIGH CAPACITY BEARING [131]	OPT	
	311620	SEAL KIT [132]		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
14	273758	HUB – REEL DRIVE [133]	1	
15	164214	BEARING – CUP	2	
16	21301	FITTING – LUBRICATION	1	
17	164213	BEARING – CONE C/W SEAL	2	
18	164061	SHIM – HUB TO CAM	4	
19	228292	SUPPORT – CAM MACHINING	1	
20	273926	CAM – WELDMENT	1	
21	137476	COVER – CAM BEARING ACCESS	1	
22	228301	SHAFT – REEL DRIVE MACHINED	1	
23	137721	KEY – REEL DRIVE SHAFT	2	
24	228460	TIGHTENER – CHAIN	1	
25	111521	RING – RETAINING	1	
26	228478	ARM – INNER	1	
27	228479	ARM – OUTER	1	
28	228485	LATCH	1	
29	228477	DISC – LOCK	1	
30	191353	RING – RETAINING EXTERNAL	1	
31	136882	O-RING – 3.5 X 40.5	1	
32	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	

127. Set includes upper and lower drive reel covers.
128. U-joint includes cross journal assembly (MD #137825), four bolt flange yoke (MD #228384), and six bolt flange yoke (MD #228385).
129. Standard factory-installed motor.
130. Seal kit for standard motor (MD #273258).
131. Optional high capacity motor for high reel loads.
132. Seal kit for optional high capacity motor (MD #273078).
133. Hub includes two cup bearings (MD #164214) and lubrication fitting (MD #21301).


1040619

Ref	Part Number	Description	Qty	Serial Number
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	197135	SCREW – HEX SOC HD SHLDR M8 X 10		
D	184708	WASHER – FLAT M8-200HV-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
J	184714	WASHER – FLAT REG M12-300HV		
K	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
L	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
M	136702	WASHER – CON SPRING M12-ZINC		
N	136401	SCREW – CSK HEX SOC M12 X 1.75 X 40-10.9-AA1J		
P	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
Q	136842	BOLT – HEX HD TFL M10 X 1.5 X 16-8.8-ZINC		
R	30655	WASHER – HARD M10-340HV-AB0C		
S	136209	SCREW – HEX WSHR M10 X 1.5X20-450HV		
T	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
U	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
V	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
W	31774	WASHER – FLAT 1-1/8-30HRC-AC0C		
X	136443	NUT – SPRING "U" TYPE M6 X 1		
Y	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		

43 Reel Cam Components – Right Arm, Double Reel

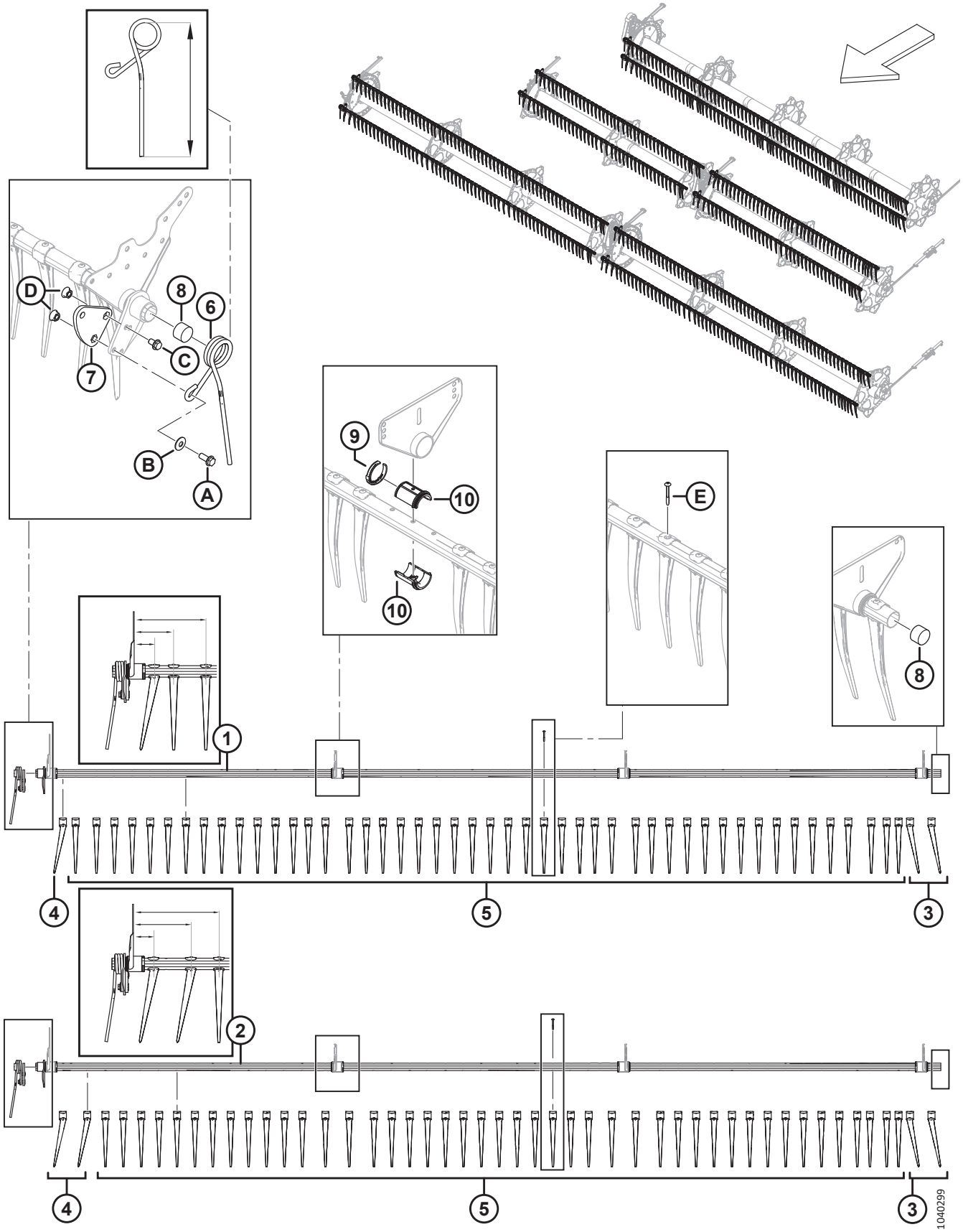


REEL CAM COMPONENTS – RIGHT ARM, DOUBLE REEL

Ref	Part Number	Description	Qty	Serial Number
1	273759	HUB ASSEMBLY – RH CAM [134]	1	
2	164214	BEARING – CUP	2	
3	164213	BEARING – CONE C/W SEAL	2	
4	21301	FITTING – LUBRICATION	1	
5	140250	CAP – DUST	1	
6	164061	SHIM – HUB TO CAM	4	
7	228292	SUPPORT – CAM MACHINING	1	
8	273926	CAM – WELDMENT	1	
9	137476	COVER – CAM BEARING ACCESS	1	
10	228302	SHAFT – MACHINED RH REEL	1	
11	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	1	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
D	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		
E	136209	SCREW – HEX WSHR M10 X 1.5 X 20-450HV		
F	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
G	31774	WASHER – FLAT 1-1/8-30 HRC-AC0C		

134. The hub assembly includes two bearing cups (MD #164214) and lubrication fitting (MD #21301).

44 Reel – Tine Tube



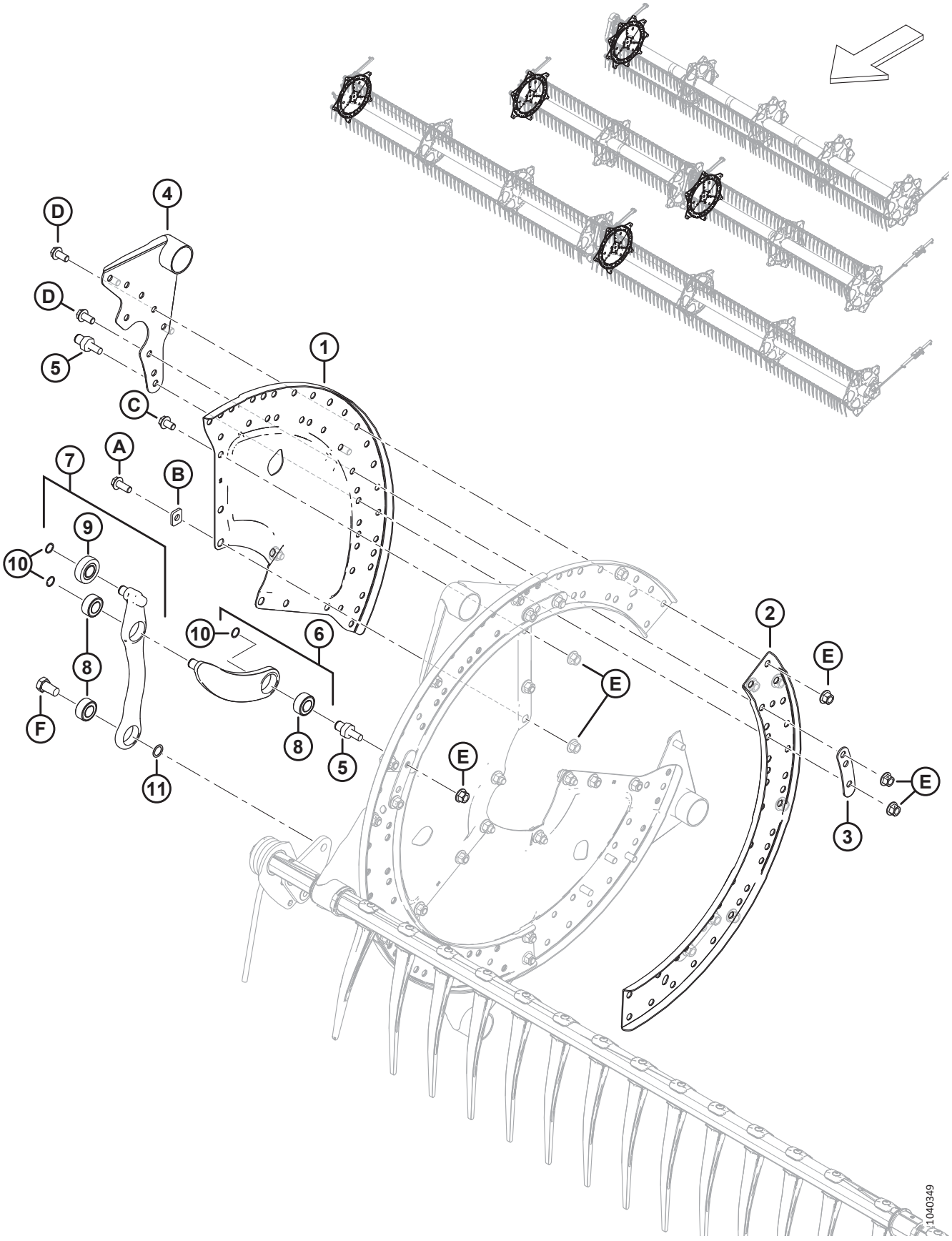
NOTE:

Finger configuration varies for narrow or wide and left, right, and center tine tubes.

Ref	Part Number	Description	Qty	Serial Number
1	360201	TINE TUBE WELDT – 25 FT SR NARROW [135]	3	
	311368	TINE TUBE WELDT – 30 FT DR NARROW [135]	6	
	311207	TINE TUBE WELDT – 35 FT DR NARROW [135]	6	
	311303	TINE TUBE WELDT – 41 FT DR NARROW [135]	6	
	311588	TINE TUBE WELDT – 45 FT DR NARROW [135]	6	
2	360199	TINE TUBE WELDT – 25 FT SR WIDE [135]	2	
	311365	TINE TUBE WELDT – 30 FT DR WIDE [135]	4	
	311210	TINE TUBE WELDT – 35 FT DR WIDE [135]	4	
	311306	TINE TUBE WELDT – 41 FT DR WIDE [135]	4	
	311589	TINE TUBE WELDT – 45 FT DR WIDE [135]	4	
3	311524	FINGER – PLASTIC, LH ANGLED (10 PACK)	A/R	
4	311523	FINGER – PLASTIC, RH ANGLED (10 PACK)	A/R	
5	174849	FINGER – PLASTIC, STRAIGHT (10 PACK)		
6	311327	FINGER – CAM END BENT, LH REEL (315 MM LG) [136]	1	
	311325	FINGER – CAM END OUTBOARD, RH REEL (305 MM LG) [136]	1	
7	228319	ARM – CRANK MACHINING (SR, DR) [137]	1	
8	137980	PLUG – TINE TUBE	2	
9	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (5 PACK)	A/R	
10	220939	TINE TUBE BUSHING (25 PACK)	A/R	
A	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	184597	WASHER – CON SPRING M12-AA1J [138]		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-AA1J		
D	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		

135. Narrow or wide tine tubes can be distinguished from the first three fingers of the RH side. Narrow tine tubes have one RH angled finger (MD #311523) followed by two straight fingers (MD #174849) and measure 76 mm, 146 mm, and 265 mm as illustrated. Wide tine tubes have two RH angled fingers (MD #311523) followed by one straight finger (MD #174849) and measure 76 mm, 214 mm, and 315 mm as illustrated.
136. There are two lengths of finger that can be ordered. The finger at the RH side of the reel is shorter than fingers at the center of the header. The correct finger must be installed in the correct position to prevent damage. Determine the proper length (315 or 305 mm) of a finger by measuring the finger from the inside top loop to the finger tip as shown in illustration.
137. Steel with three holes; for single- and double-reel headers only.
138. Be sure to note the orientation of washer (MD #184597). The concave (inward facing) surface of the washer should be installed facing away from the tine tube crank arm assembly.

45 Reel Discs – Cam End and Linkage

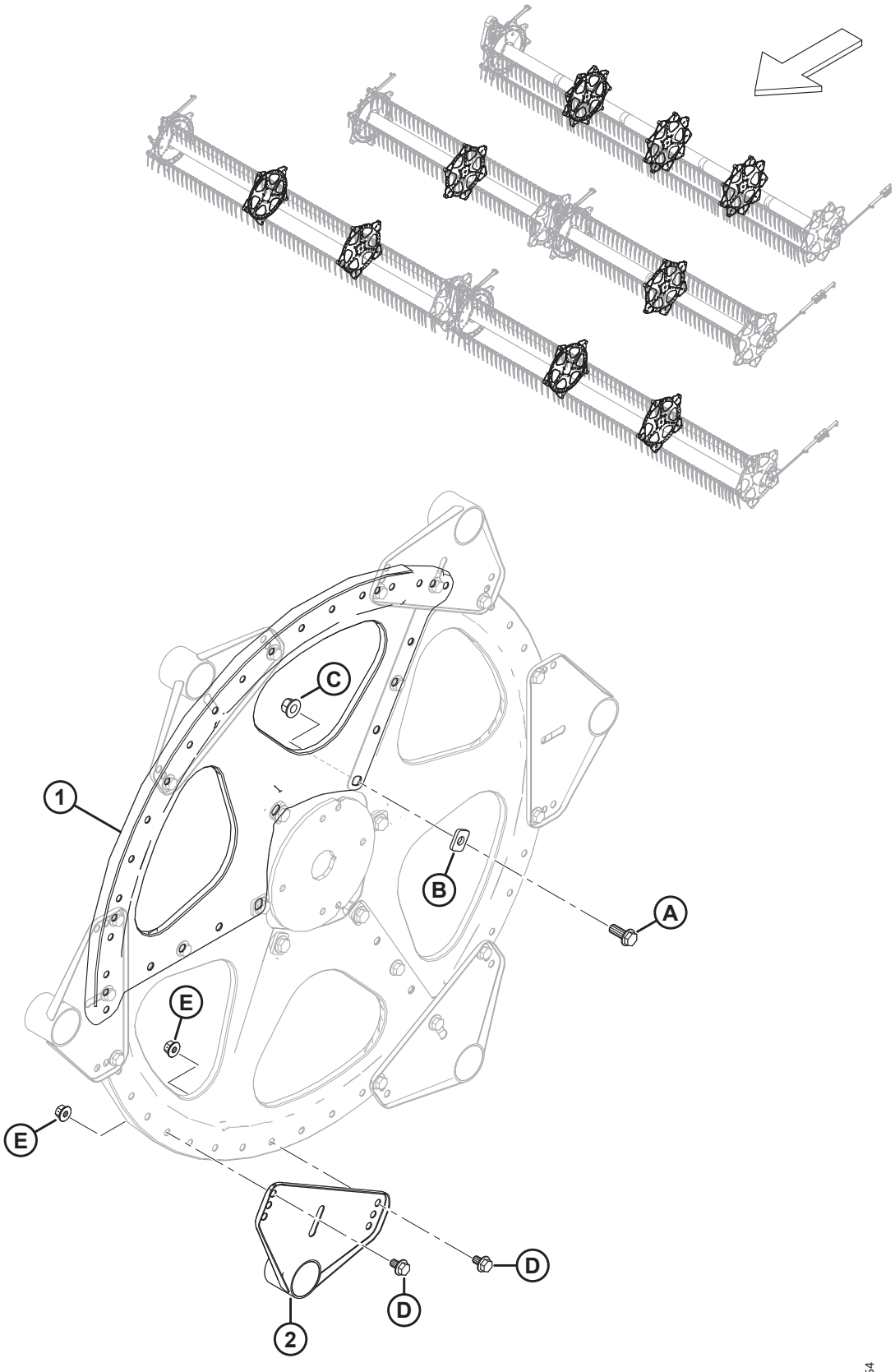


REEL DISCS – CAM END AND LINKAGE

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273373	SECTOR – CAM END	3/3/3	
2	273376	CHANNEL – CAM DISC	3/3/3	
3	311672	STRAP	5/6/9	
4	335924	ARM WELDT – CAM END	5/6/9	
5	340146	STUD (FOR LINKAGE)	5/6/9	
6	311615	ARM – ASSEMBLY [139]	5/6/9	
7	311617	ARM – TINE CONTROL ASSY [140]	5/6/9	
8	273347	BEARING	15/18/27	
9	273524	BEARING – CAM FOLLOWER	5/6/9	
10	273536	RING – RETAINING	15/18/27	
11	137529	SHIM – CRANK BEARING	5/6/9	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	320179	BOLT – HEX FLG HD TFL M12 X 1.75 X 20-SPCL-8.8-AA1J		
D	320175	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-SPCL-8.8-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	228316	BOLT – HEX HD M16 X 1.5 X 15-SPCL-8.8-AA1J		

139. The arm assembly includes arm (NSS), bearing (MD #273347), and retaining ring (MD #273536).
140. The tine control assembly includes arm (NSS), cam follower bearing (MD #273524), two bearings (MD #273347), and retaining ring (MD #273536).

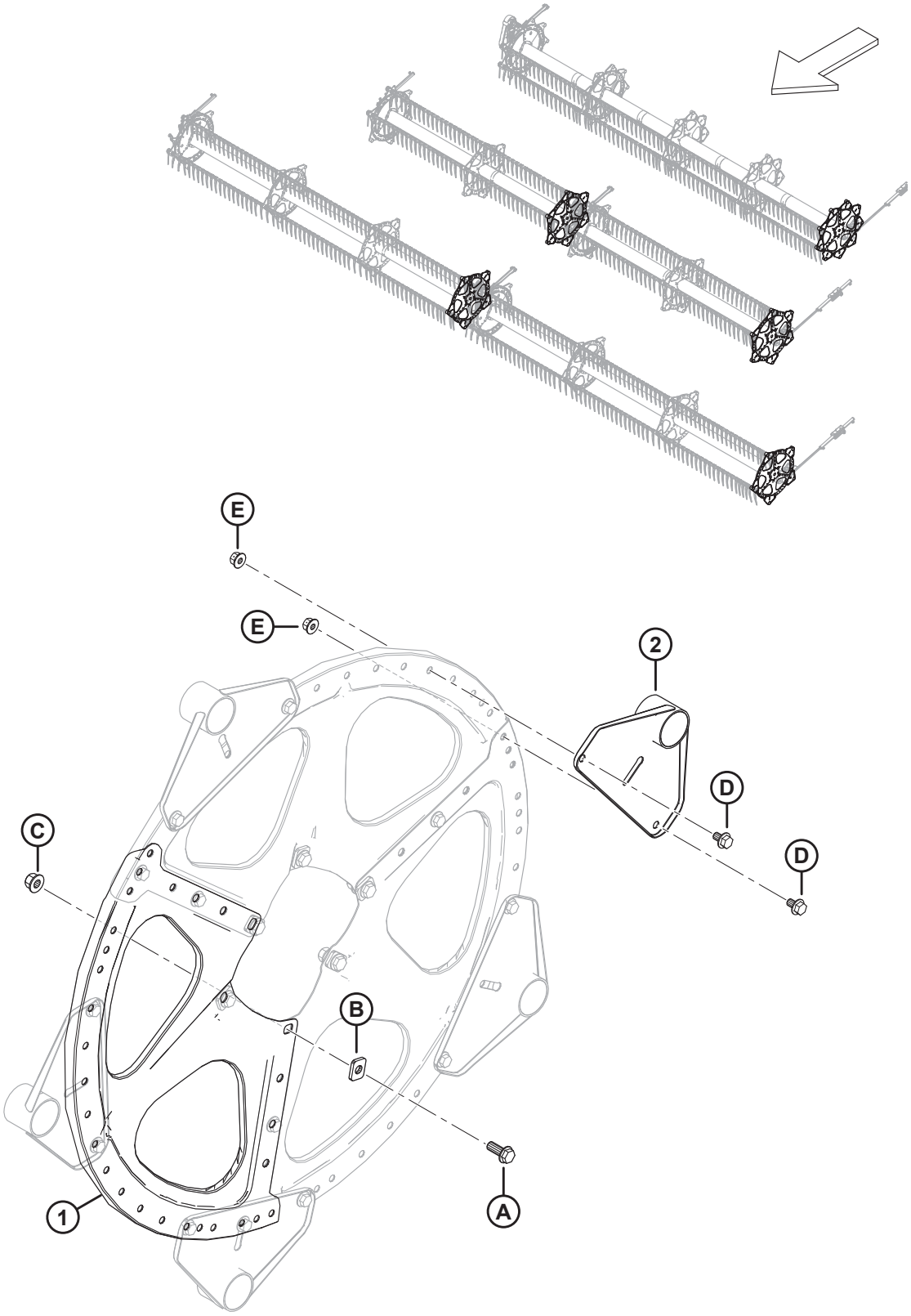
46 Reel Discs – Mid Span



REEL DISCS – MID SPAN

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3/3/3	
2	273523	ARM WELDT – MID SPAN	5/6/9	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

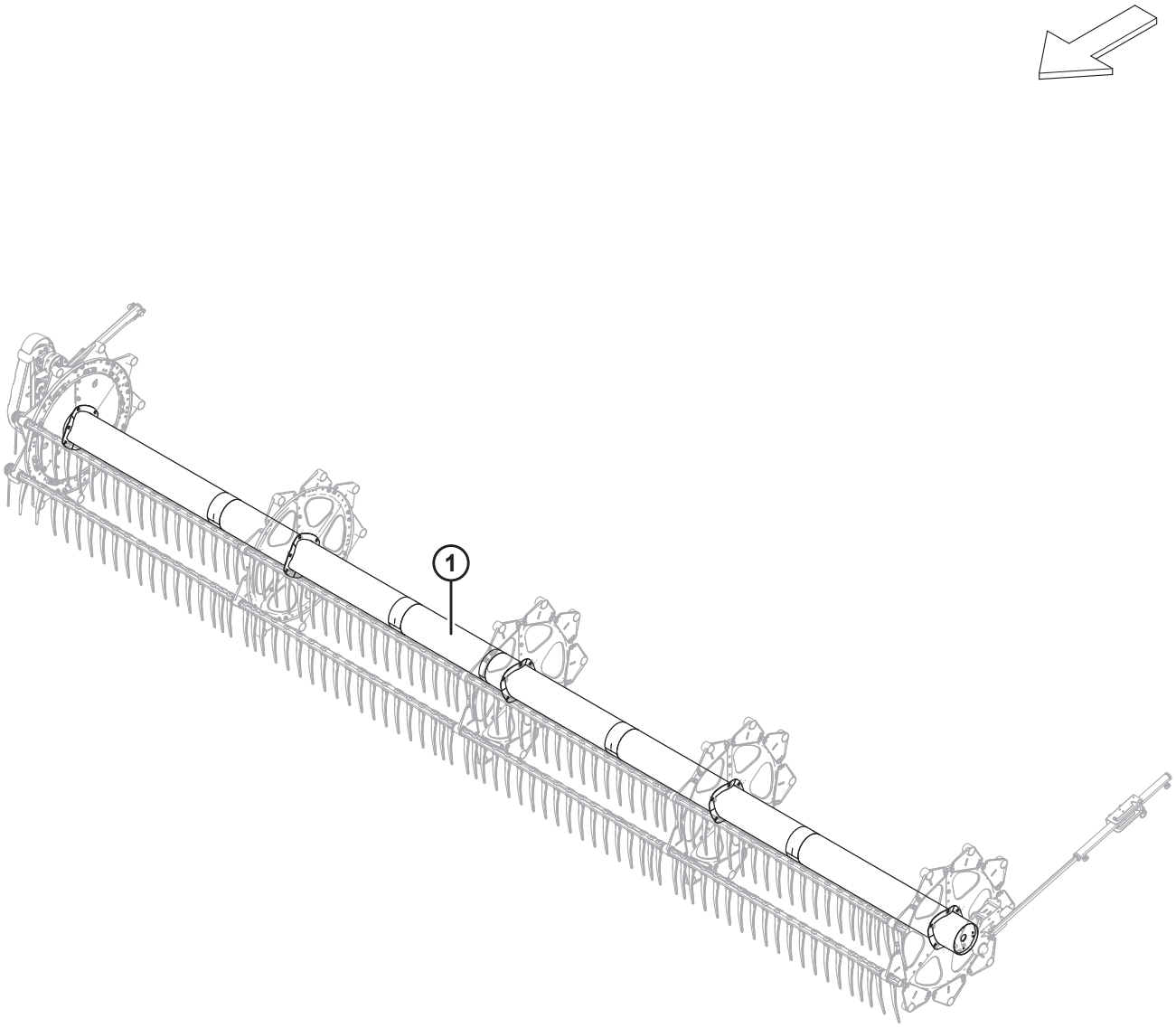
47 Reel Discs – Tail End



REEL DISCS – TAIL END

Ref	Part Number	Description	Qty 5/6/9 Bat	Serial Number
1	273375	SECTOR – MID SPAN AND TAIL END	3/3/3	
2	311347	ARM WELDT – TAIL END	5/6/9	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		
B	273666	WASHER		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

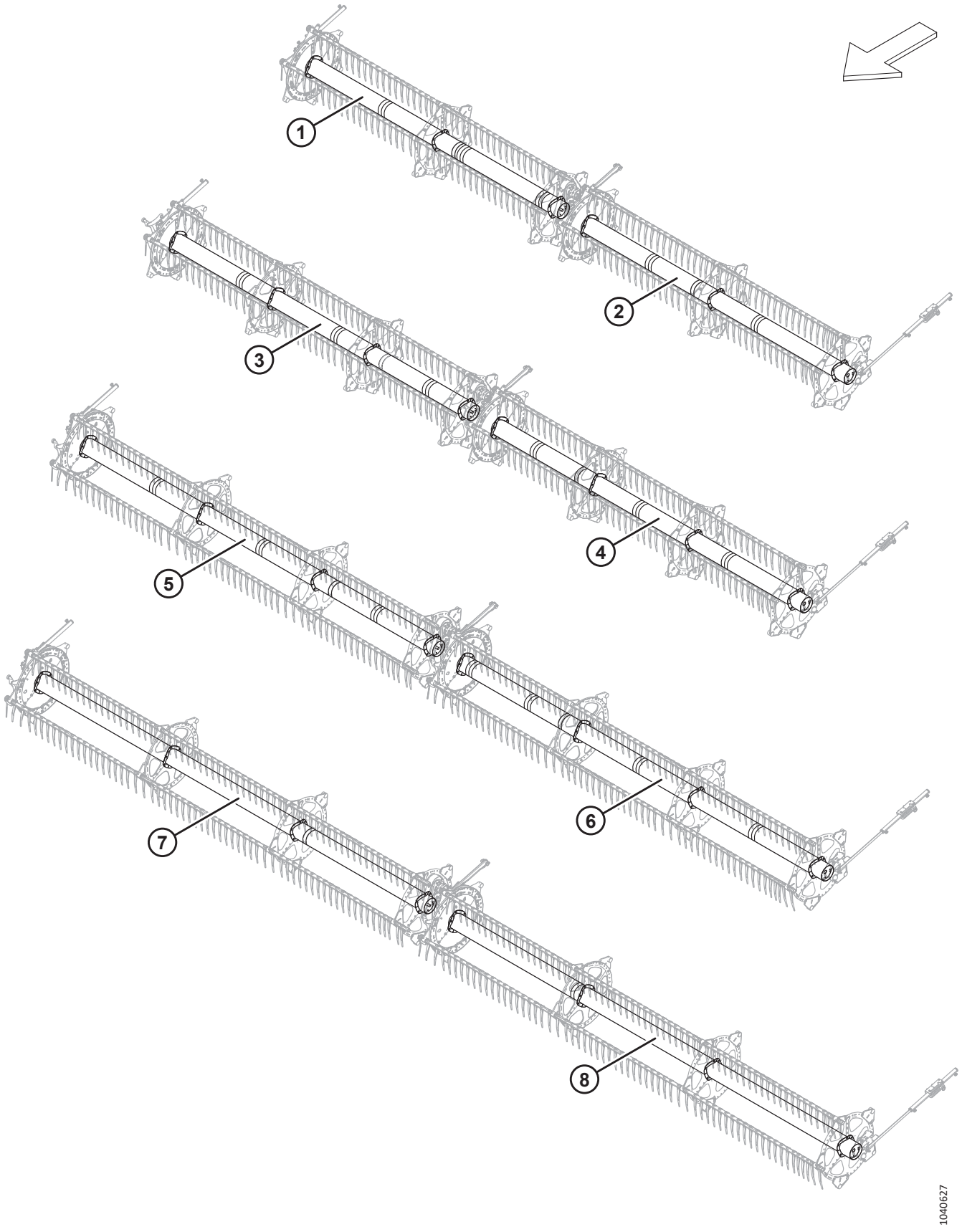
48 Reel – Center Tubes, Single Reel



1040625

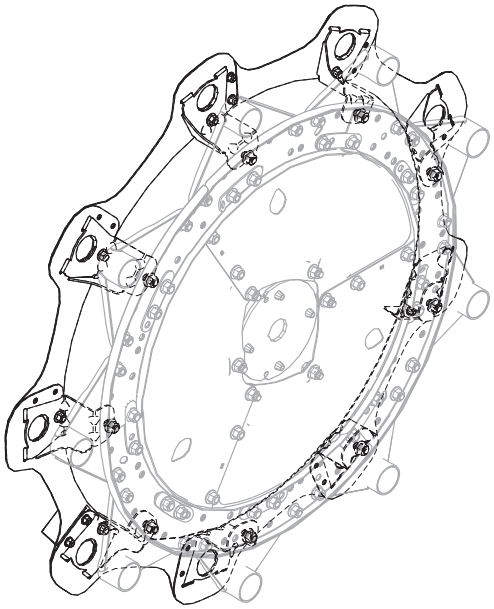
Ref	Part Number	Description	Qty	Serial Number
1	360376	CENTER TUBE – W/ DECALS, 25 FT (AMBER, RED-ORANGE DECALS)	1	

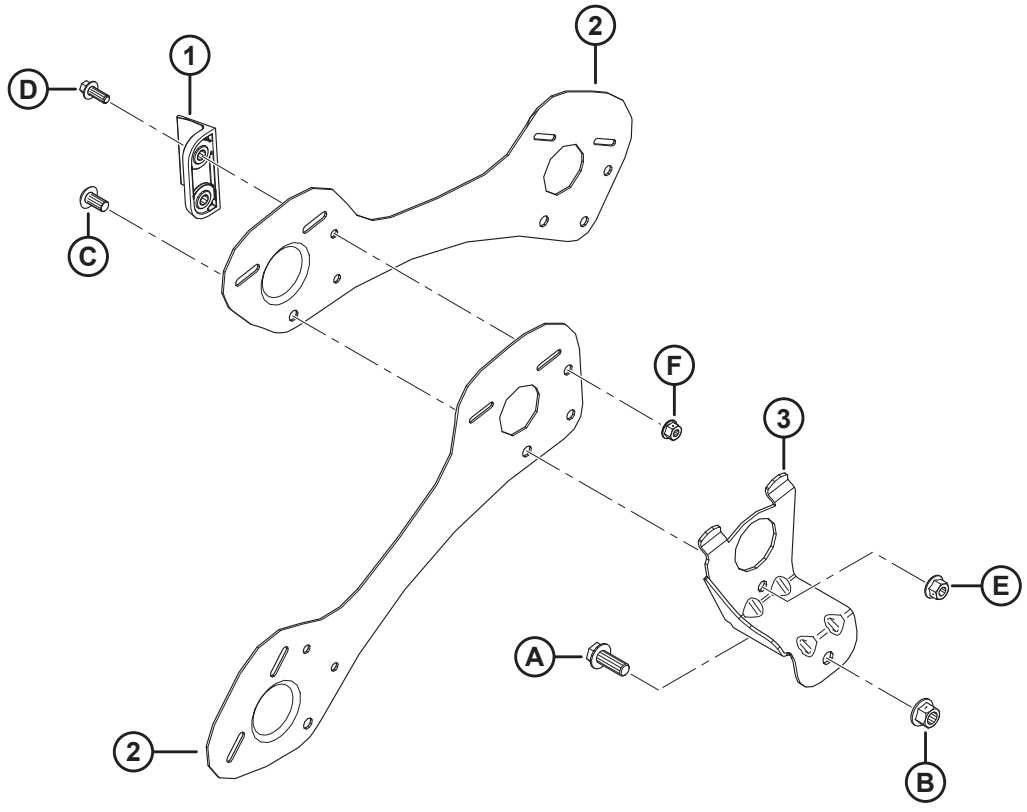
49 Reel – Center Tubes, Double Reel



Ref	Part Number	Description	Qty	Serial Number
1	311644	CENTER TUBE – W/ DECALS, 30 FT RH (AMBER, RED-ORANGE DECALS)	1	
2	311643	CENTER TUBE – W/ DECALS, 30 FT LH (AMBER, RED-ORANGE DECALS)	1	
3	311646	CENTER TUBE – W/ DECALS, 35 FT RH (AMBER, RED-ORANGE DECALS)	1	
4	311645	CENTER TUBE – W/ DECALS, 35 FT LH (AMBER, RED-ORANGE DECALS)	1	
5	311648	CENTER TUBE – W/ DECALS, 41 FT RH (AMBER, RED-ORANGE DECALS)	1	
6	311647	CENTER TUBE – W/ DECALS, 41 FT LH (AMBER, RED-ORANGE DECALS)	1	
7	311045	CENTER TUBE – W/ DECALS, 45 FT RH (AMBER DECAL)	1	
8	311044	CENTER TUBE – W/ DECALS, 45 FT LH (AMBER DECAL)	1	

50 Reel – Endshields, Cam End, Outboard (9 Bat)



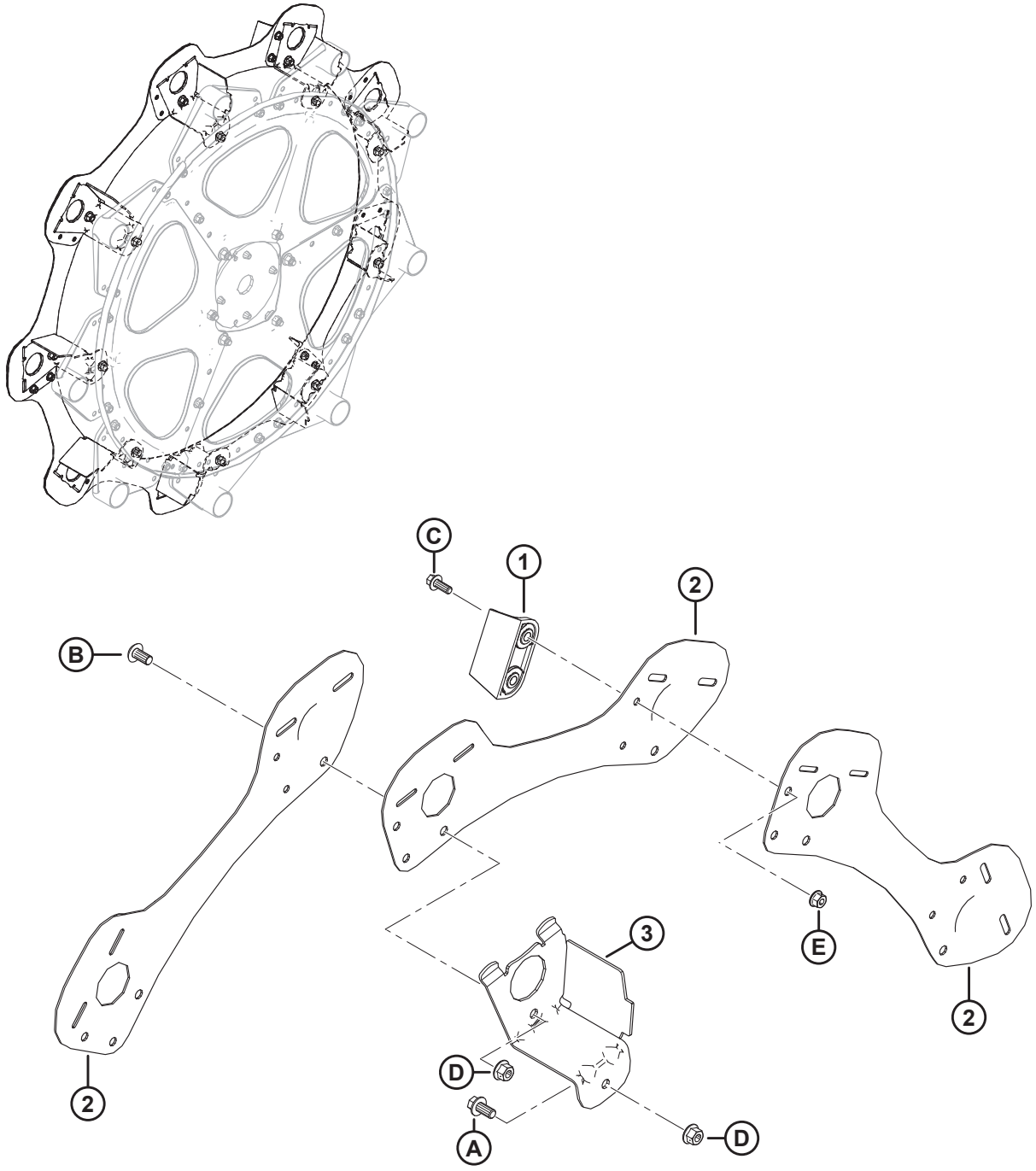


1040312

REEL – ENDSHIELDS, CAM END, OUTBOARD (9 BAT)

Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311863	SHIELD – OUTBOARD RH 9 BAT	9	
3	311964	SUPPORT – WELDT CAM END	9	
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
D	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

51 Reel – Endshields, Tail End, Outboard (9 Bat)

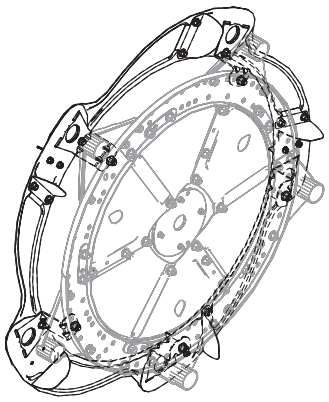


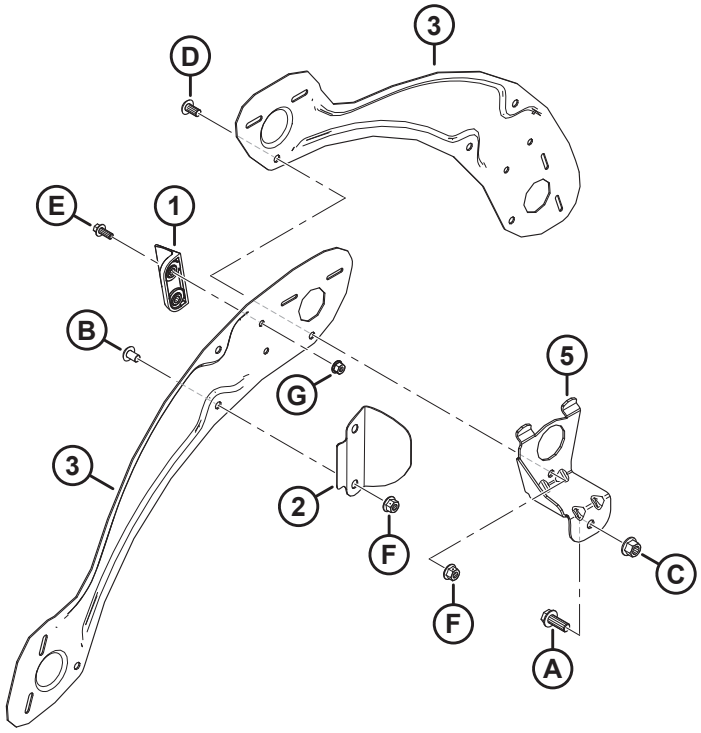
1040313

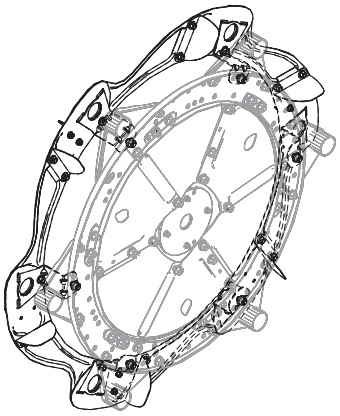
REEL – ENDSHIELDS, TAIL END, OUTBOARD (9 BAT)

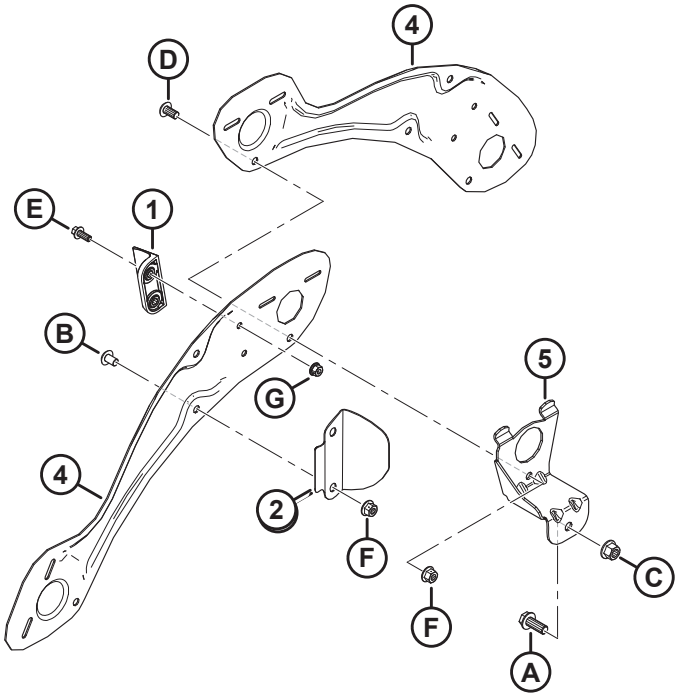
Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311864	SHIELD – OUTBOARD LH 9 BAT	9	
3	311965	SUPPORT – WELDT TAIL END	9	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
C	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

52 Reel – Endshields, Cam End, Outboard (5 Bat and 6 Bat)









1036486

REEL – ENDSHIELDS, CAM END, OUTBOARD (5 BAT AND 6 BAT)

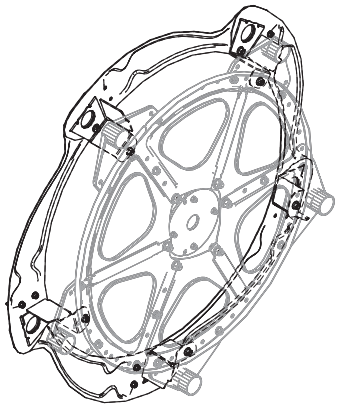
NOTE:

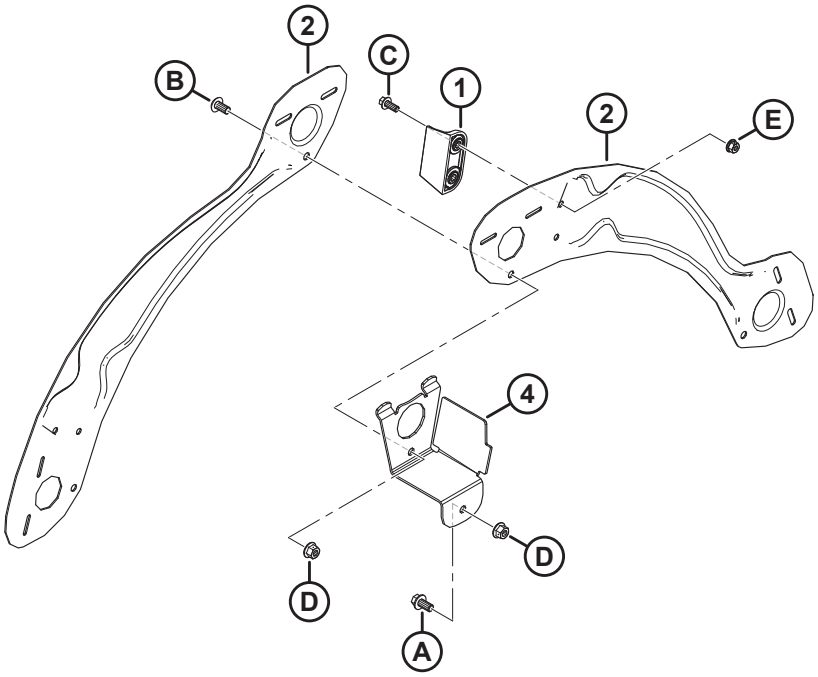
Top illustration shows 5 bat; bottom illustration shows 6 bat.

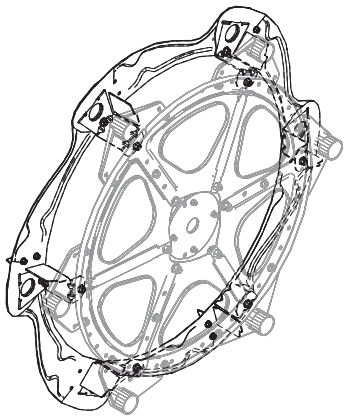
Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311729	DEFLECTOR – CAM OUTBOARD [141]		
3	311694	SHIELD – OUTBOARD RH 5 BAT	5	
4	311752	SHIELD – OUTBOARD RH 6 BAT	6	
5	311964	SUPPORT – WELDT CAM END [141]		
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
E	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

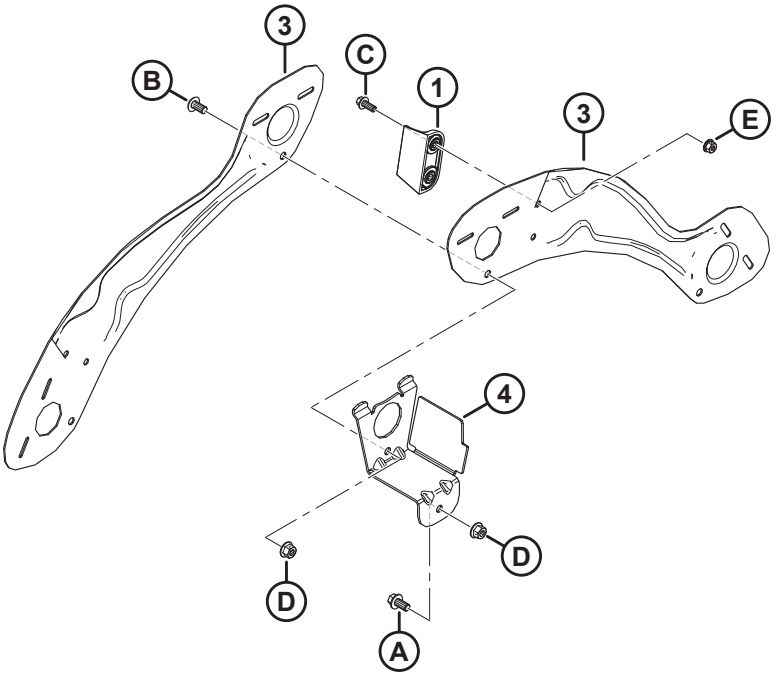
141. Quantities: 5 bat = 5, 6 bat = 6.

53 Reel – Endshields, Tail End, Outboard (5 Bat and 6 Bat)









1036771

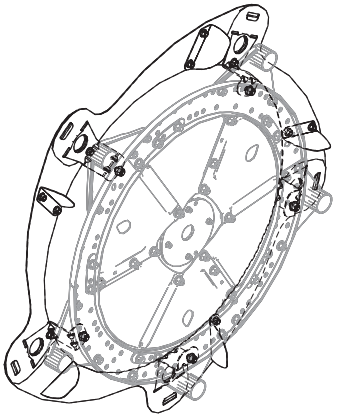
NOTE:

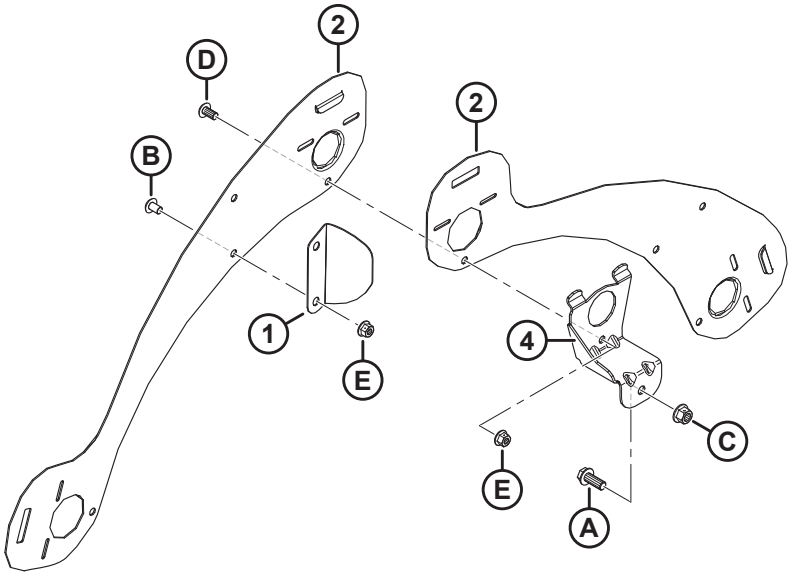
Top illustration shows 5 bat; bottom illustration shows 6 bat.

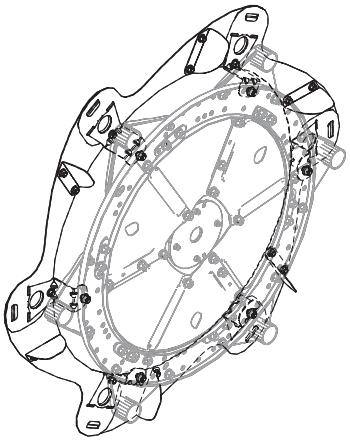
Ref	Part Number	Description	Qty	Serial Number
1	313035	PADDLE – REEL END, HYTREL	3	
2	311695	SHIELD – OUTBOARD LH 5 BAT	5	
3	311753	SHIELD – OUTBOARD LH 6 BAT	6	
4	311965	SUPPORT – WELDT TAIL END [142]		
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
C	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

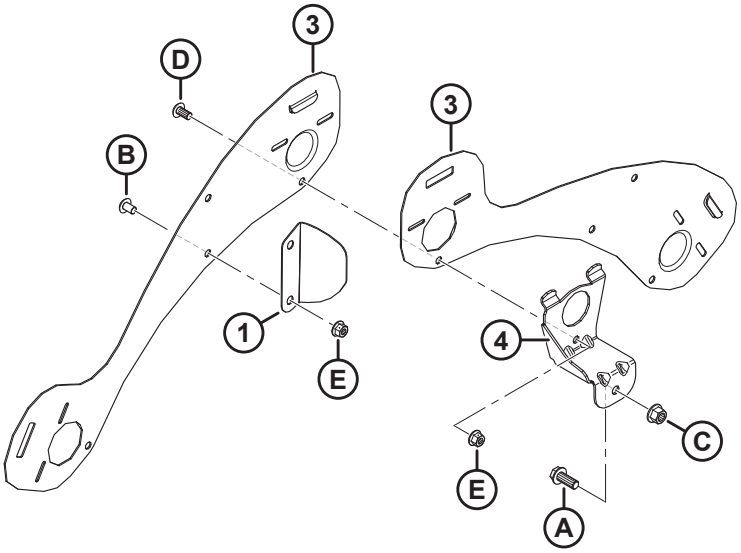
142. Quantities: 5 bat = 5, 6 bat = 6.

54 Reel – Endshields, Cam End, Inboard (5 Bat and 6 Bat)









1036485

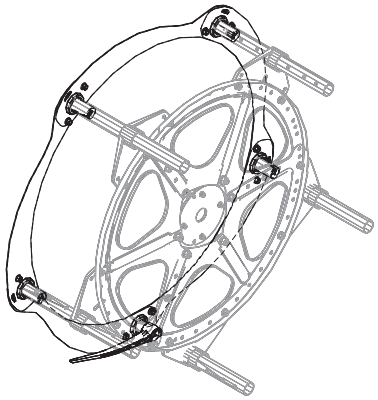
NOTE:

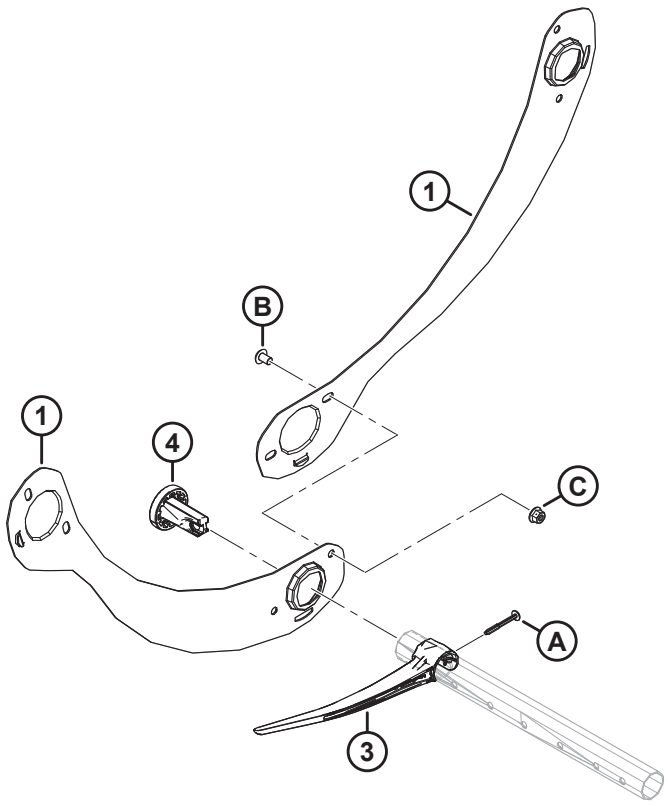
Top illustration shows 5 bat; bottom illustration shows 6 bat.

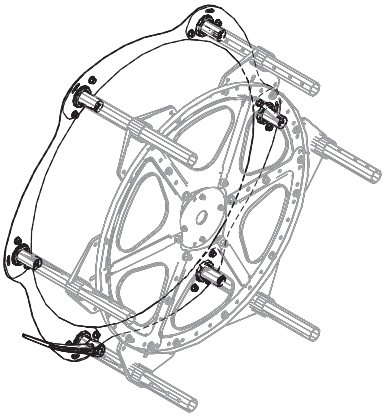
Ref	Part Number	Description	Qty	Serial Number
1	311906	DEFLECTOR – CAM INBOARD [143]		
2	273823	SHIELD – 5 BAT LH REEL CAM END	5	
3	273813	SHIELD – 6 BAT LH REEL CAM END	6	
4	311964	SUPPORT – WELDT CAM END [143]		
A	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
B	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

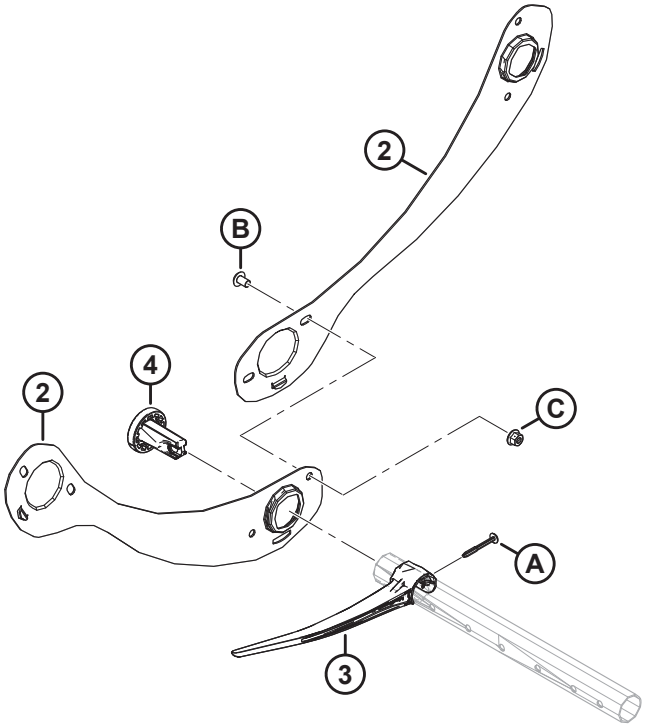
143. Quantities: 5 bat = 5, 6 bat = 6.

55 Reel – Endshields, Tail End, Inboard (5 Bat and 6 Bat)









1036769

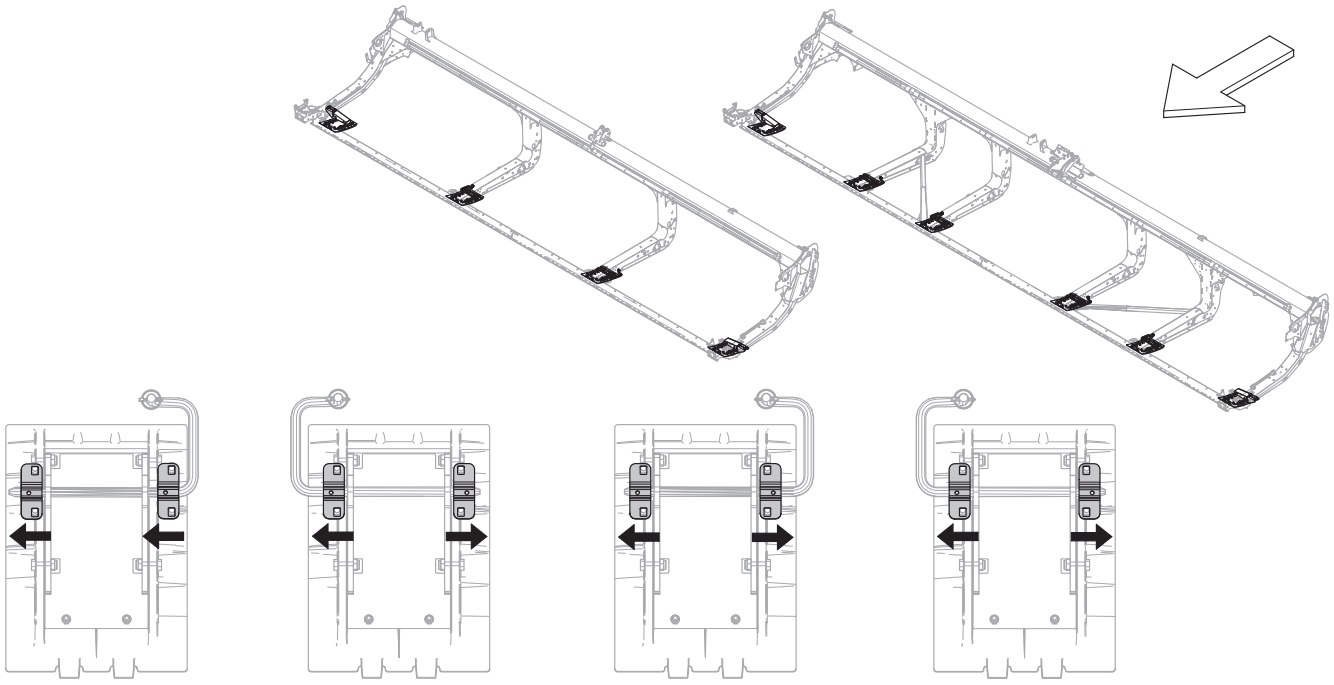
NOTE:

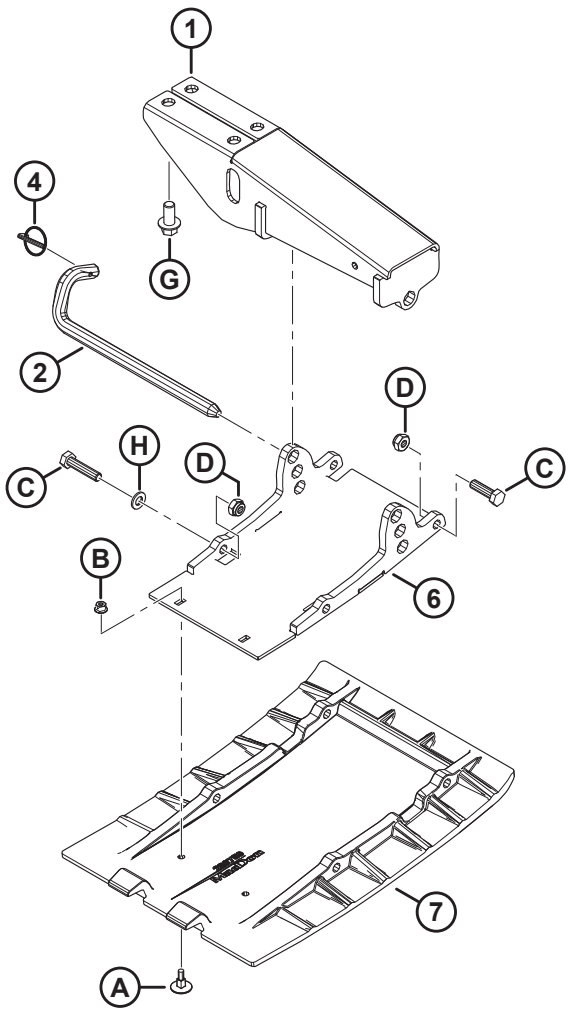
Top illustration shows 5 bat; bottom illustration shows 6 bat.

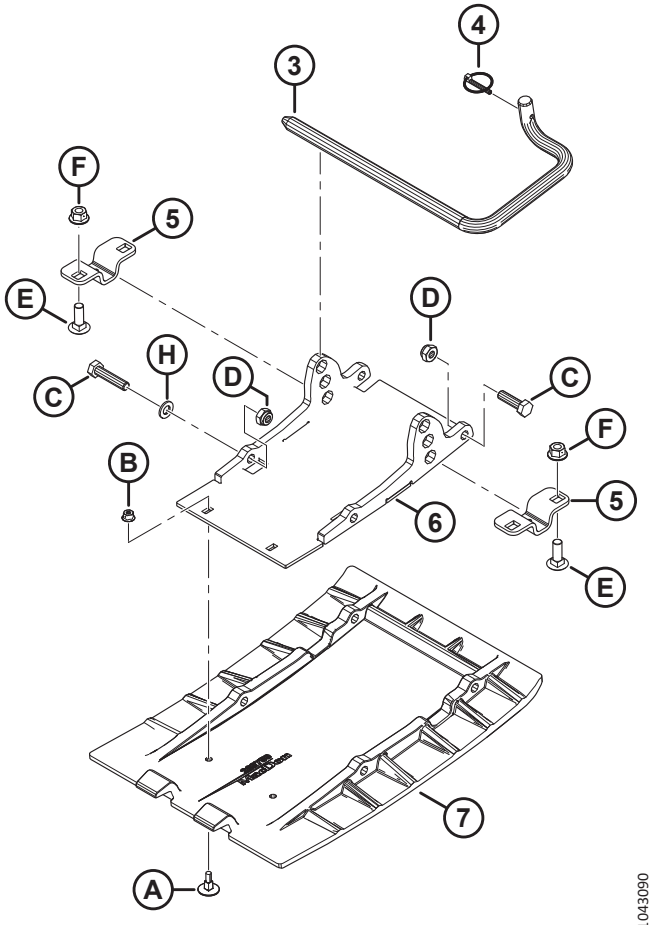
Ref	Part Number	Description	Qty	Serial Number
1	311795	SHIELD – 5 BAT RH REEL, TAIL END	5	
2	311822	SHIELD – 6 BAT RH REEL TAIL END	6	
3	311524	FINGER – PLASTIC, LH ANGLED (10 PACK) [144]		
4	273968	BUSHING – ENDSHIELD	5	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	136640	SCREW – TORX TRUSS HD M10 X1.5 X 16 X SPCL-8.8-AA1J		
C	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

144. Quantities: 5 bat = 5, 6 bat = 6.

56 Skid Shoes – End and Center







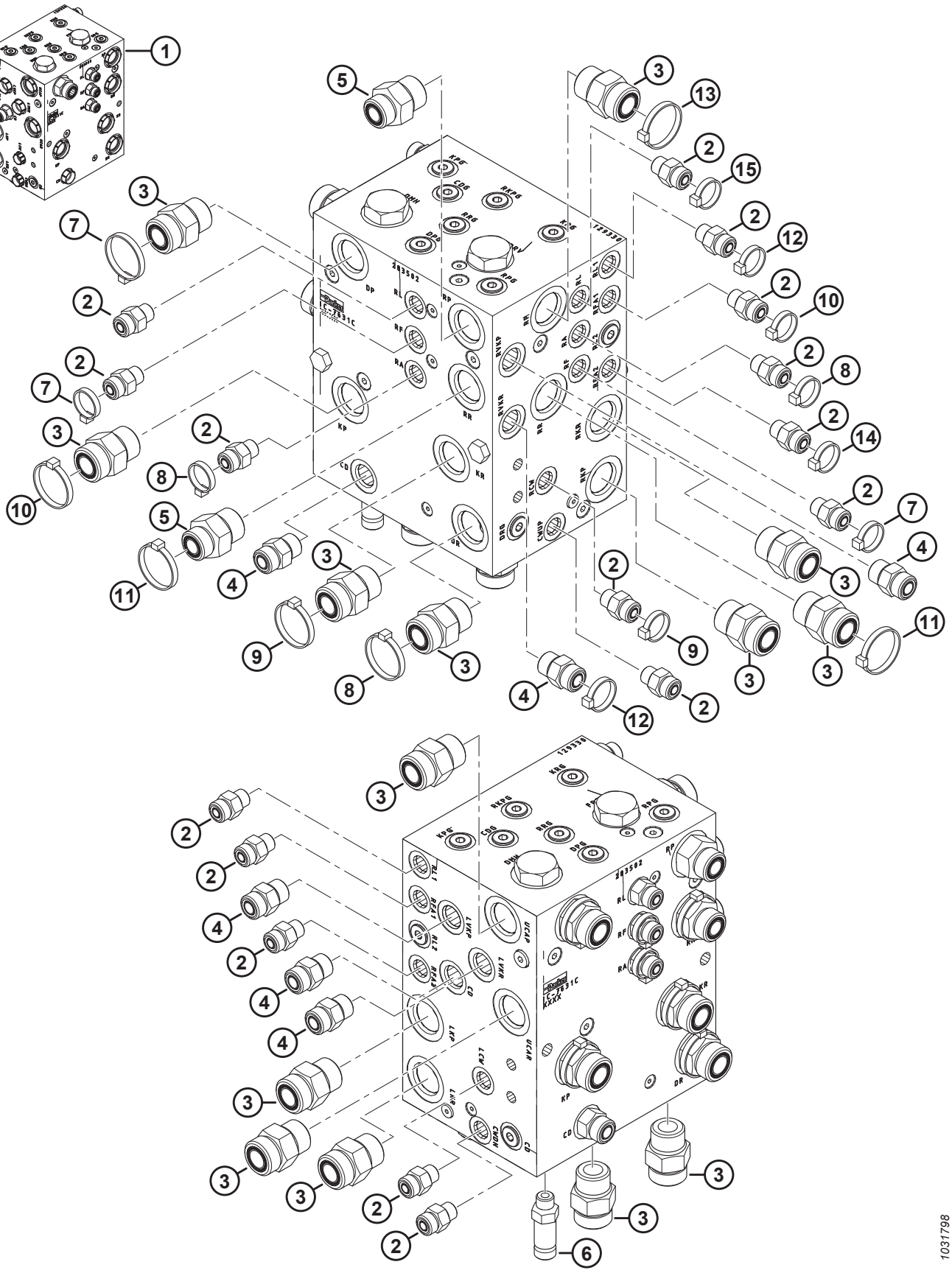
1043090

SKID SHOES – END AND CENTER

Ref	Part Number	Description	Qty	Serial Number
1	312680	MOUNT WELDT – SKID SHOE (END)	2	
2	312675	ROD – ENGAGING	2	
3	165588	ROD – ENGAGING RH [145]	2	
	165168	ROD – ENGAGING LH [145]	2	
4	50193	PIN – LYNCH [146]		
5	232806	BRACKET – SHOE SUPPORT [147]		
6	289869	SUPPORT WELDT – PLATE [146]		
7	289759	SHOE – WEARPLATE, POLYETHYLENE [146]		
A	252176	BOLT – ELEV CSK M6 X 1 X 23-8.8		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
C	**135335**	**BOLT – HEX HD M10 X 1.5 X 45-8.8-AA1J**		
D	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
E	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	136399	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-8.8-AA1J		
H	**184711**	**WASHER – FLAT REG M10-200HV-AA1J**		

145. Right engaging rod is shown in the illustration. Quantities of RH engaging rod (MD #165588) and LH engaging rod (MD #165168) are one of each for D225 headers, and two of each for D230, D235, D241, and D245 headers.
146. Quantities: D225 = 4; D230, D235, D241, and D245 = 6.
147. Orientation of this bracket varies, be sure to install as per shown for each center skid shoe. Compare location of small hole with arrows. Quantities: D225 = 4; D230, D235, D241, and D245 = 8.

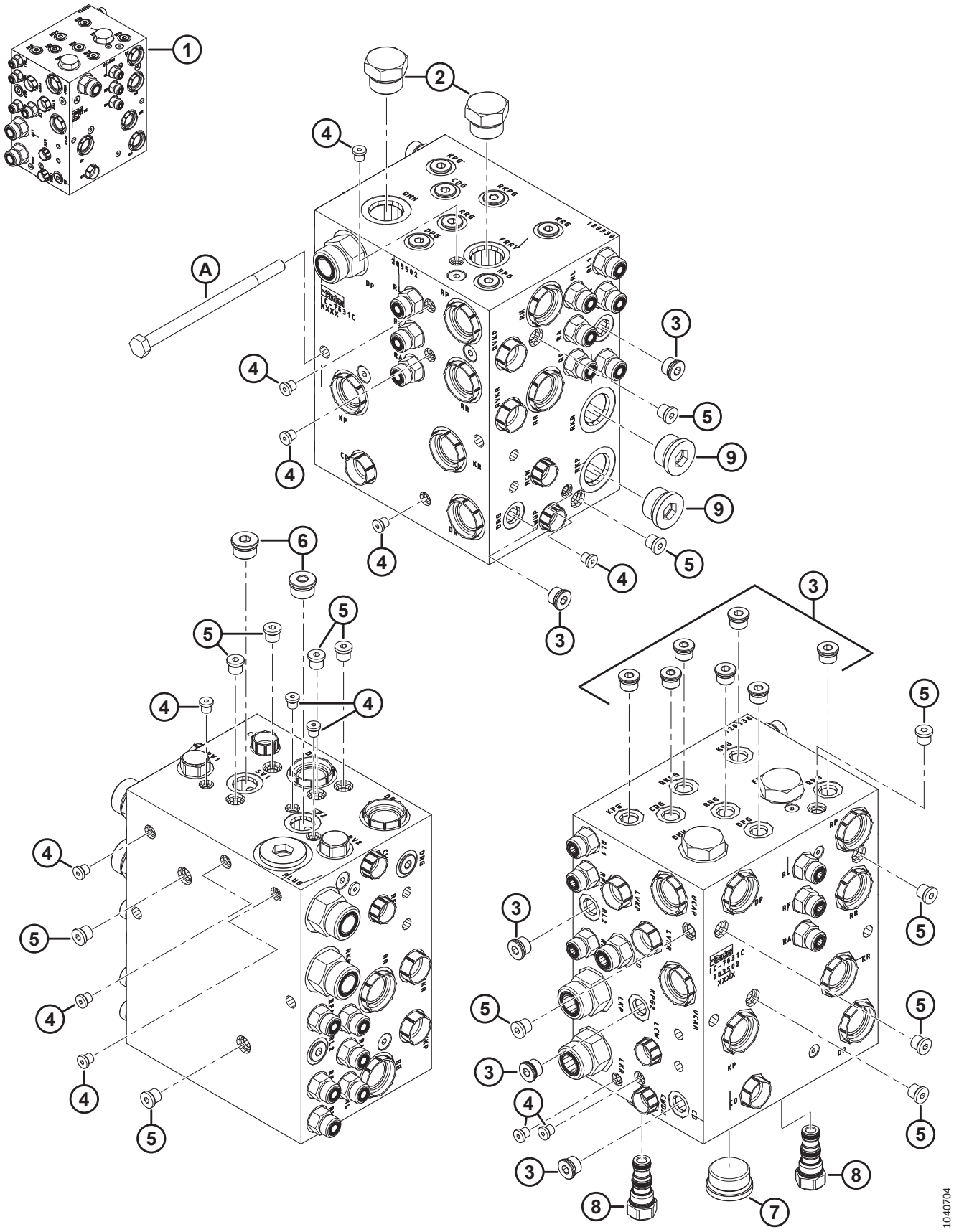
57 Hydraulics – Manifold Fittings and Fasteners



Ref	Part Number	Description	Qty	Serial Number
1	283502	MANIFOLD ASSY – DK UNTIMED [148]	A/R	
	283500	MANIFOLD ASSY – SK [149]	A/R	
2	135778	FITTING – ADAPTER	15	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
3	135788	FITTING – ADAPTER	14	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
4	135780	FITTING – ADAPTER	6	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
5	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
6	252902	FITTING – HYD CONNECTOR, LONG	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
7	49227	FASTENER – CABLE TIE, GREEN	3	
8	40702	FASTENER – CABLE TIE, RED	3	
9	40703	FASTENER – CABLE TIE, BLUE	2	
10	40704	FASTENER – CABLE TIE, ORANGE	2	
11	40701	FASTENER – CABLE TIE, YELLOW	2	
12	252795	FASTENER – CABLE TIE, PINK	2	
13	49232	FASTENER – CABLE TIE, WHITE	1	
14	135266	FASTENER – CABLE TIE, LIGHT BLUE	1	
15	21763	FASTENER – CABLE TIE, BLACK	1	

148. Manifold assembly (MD #283502) includes 12 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 4 fittings (MD #135788), 1 plug (MD #136524), 3 plugs (MD #158174), and 2 plugs (MD #283567). For manifold plugs, refer to Section *58 Hydraulics – Manifold Plugs, page 125*.
149. Manifold assembly (MD #283500) includes 10 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 2 fittings (MD #135788), 2 plugs (MD #136269), 1 plug (MD #136524), 2 plugs (MD #158174), and 2 plugs (MD #283567). For manifold plugs, refer to Section *58 Hydraulics – Manifold Plugs, page 125*.

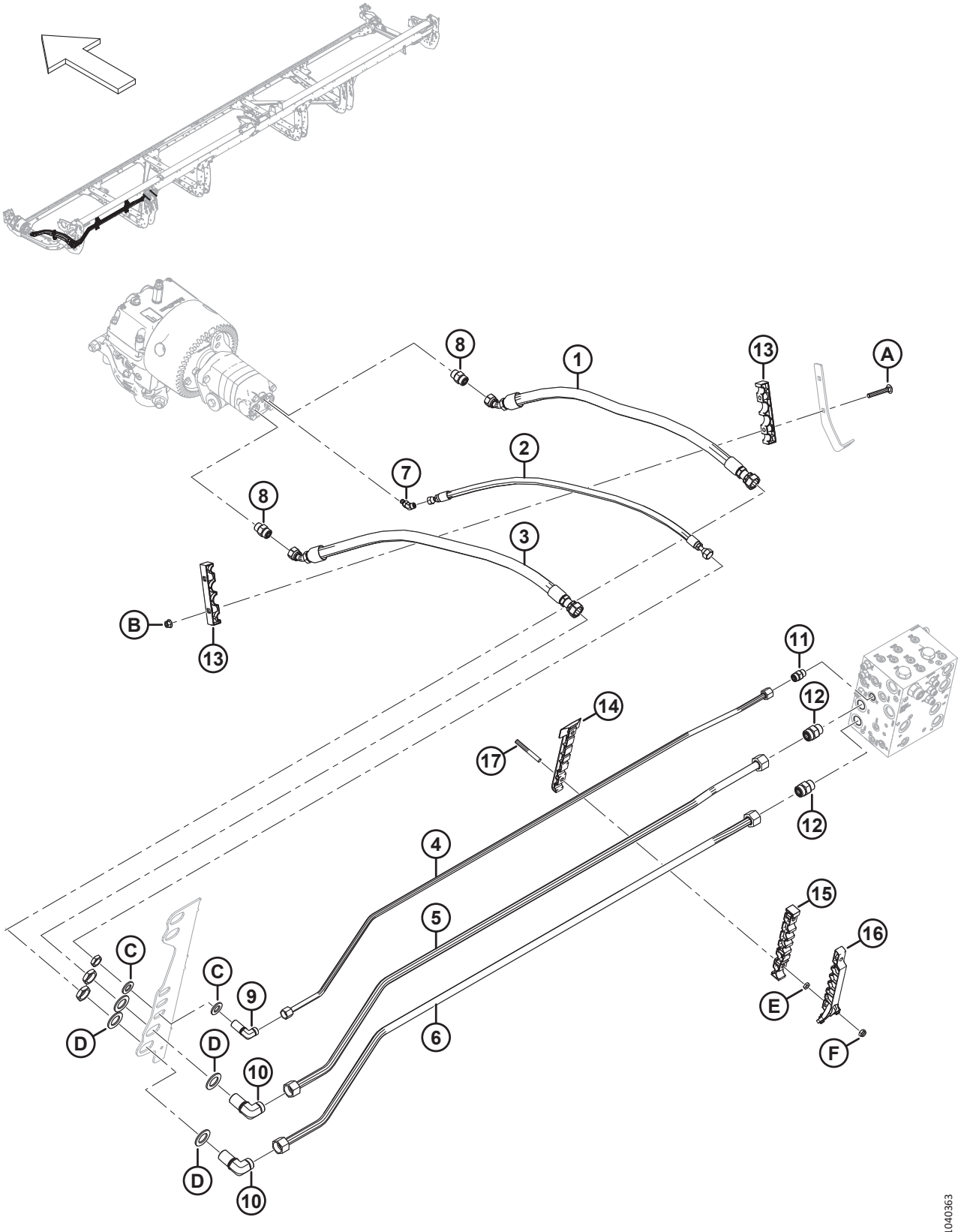
58 Hydraulics – Manifold Plugs



Ref	Part Number	Description	Qty	Serial Number
1	283502	MANIFOLD ASSY – DK UNTIMED [150]	A/R	
	283500	MANIFOLD ASSY – SK [151]	A/R	
2	103575	PLUG – HEX C/W O-RING	2	
3	100577	PLUG – HEX SOCKET C/W O-RING	12	
	50219	O-RING – Ø1.98 X Ø11.89		
4	135952	PLUG – HEX SOCKET C/W O-RING	13	
5	102711	PLUG – HEX SOCKET C/W O-RING	13	
6	158174	PLUG – HEX SOCKET C/W O-RING	2	
	44209	O-RING – Ø2.21 X Ø16.36		
7	136524	PLUG – HEX SOCKET	1	
	50220	O-RING – Ø2.95 X Ø29.74		
8	283567	PLUG – CAVITY	2	
	283569	SEAL KIT		
9	136269	FITTING – PLUG HYD 12 ORB HEX SOC [152]	2	
	30971	O-RING – Ø2.95 X Ø23.47		
A	136850	BOLT – HEX HD M10 X 1.5 X 160-8.8-AA1J		

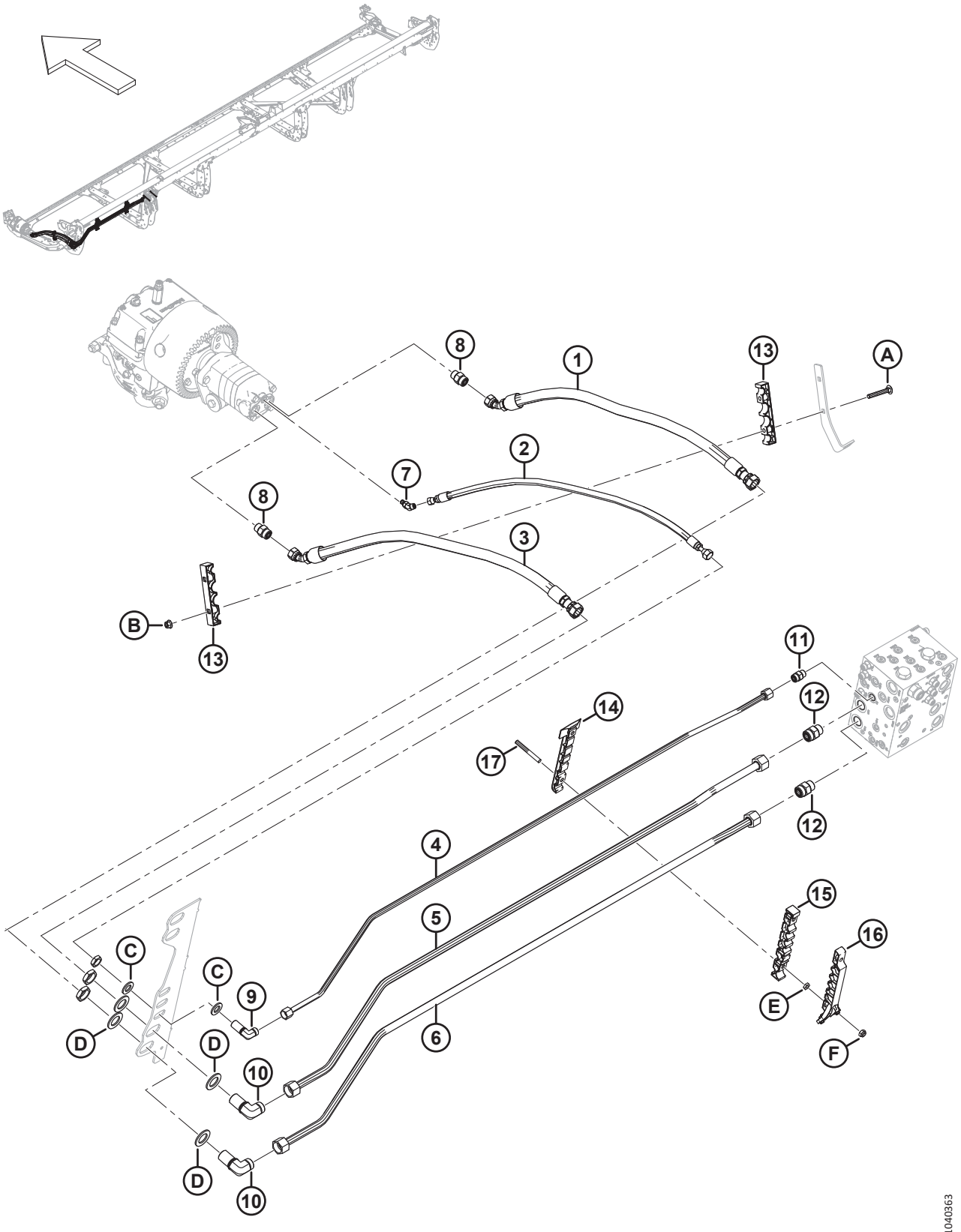
150. Manifold assembly (MD #283502) includes 12 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 4 fittings (MD #135788), 1 plug (MD #136524), 3 plugs (MD #158174), and 2 plugs (MD #283567). For manifold plugs, refer to Section *57 Hydraulics – Manifold Fittings and Fasteners, page 123*.
151. Manifold assembly (MD #283500) includes 10 plugs (MD #100577), 2 plugs (MD #103575), 12 fittings (MD #135778), 1 fitting (MD #135780), 2 fittings (MD #135788), 2 plugs (MD #136269), 1 plug (MD #136524), 2 plugs (MD #158174), and 2 plugs (MD #283567). For manifold fittings, refer to Section *57 Hydraulics – Manifold Fittings and Fasteners, page 123*.
152. Single-knife configurations only.

59 Hydraulics – Knife Drive, Single and Double Knife, Left Side (D225, D230, D235, and D241)



Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	283233	LINE – HYDRAULIC (D225) [153]	1	
	283048	LINE – HYDRAULIC (D230) [154]	1	
	283201	LINE – HYDRAULIC (D235) [155]	1	
	283458	LINE – HYDRAULIC (D241) [156]	1	
5	283232	LINE – HYDRAULIC (D225) [153]	1	
	283047	LINE – HYDRAULIC (D230) [154]	1	
	283104	LINE – HYDRAULIC (D235) [155]	1	
	283457	LINE – HYDRAULIC (D241) [156]	1	
6	283231	LINE – HYDRAULIC (D225) [153]	1	
	283046	LINE – HYDRAULIC (D230) [154]	1	
	283102	LINE – HYDRAULIC (D235) [155]	1	
	283456	LINE – HYDRAULIC (D241) [156]	1	
7	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
8	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
9	136244	FITTING – ELBOW 90° BULKHEAD HYD [157]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
10	136245	FITTING – ELBOW 90° BULKHEAD HYD [157]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
11	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
12	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
13	283984	CLAMP – LINE KNIFE	2	
14	283797	CLAMP – LINE BOTTOM LH [158]		
15	283807	CLAMP – LINE MIDDLE LH		
16	340548	KIT – LH TOP LINE CLAMP [159]		

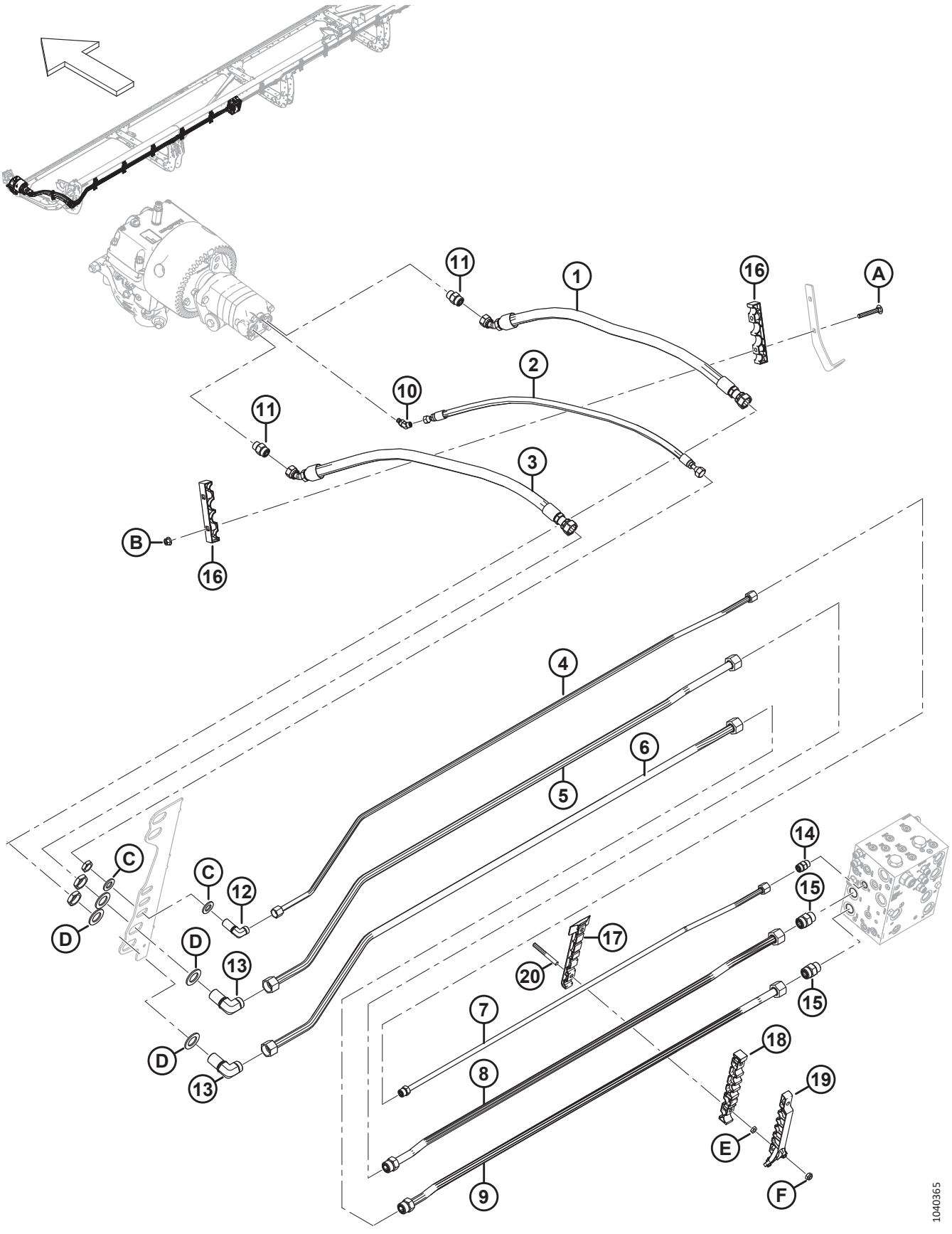
153. Used on D225 headers only.
154. Used on D230 headers only.
155. Used on D235 headers only.
156. Used on D241 headers only.
157. The fitting includes a securing nut.
158. Quantities: D225 = 1, D230 = 2, D235 = 3, and D241 = 4.
159. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D225 = 1, D230 = 2, D235 = 3, and D241 = 4.


1040363

Ref	Part Number	Description	Qty	Serial Number
17	312654	STUD – THRD CLAMP PATCH WING [160]		
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18601	WASHER – FLAT SAE		
D	136355	WASHER – FLAT 2.0 IN OD ZP		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

160. Quantities: D225 = 2, D230 = 4, D235 = 6, and D241 = 8.

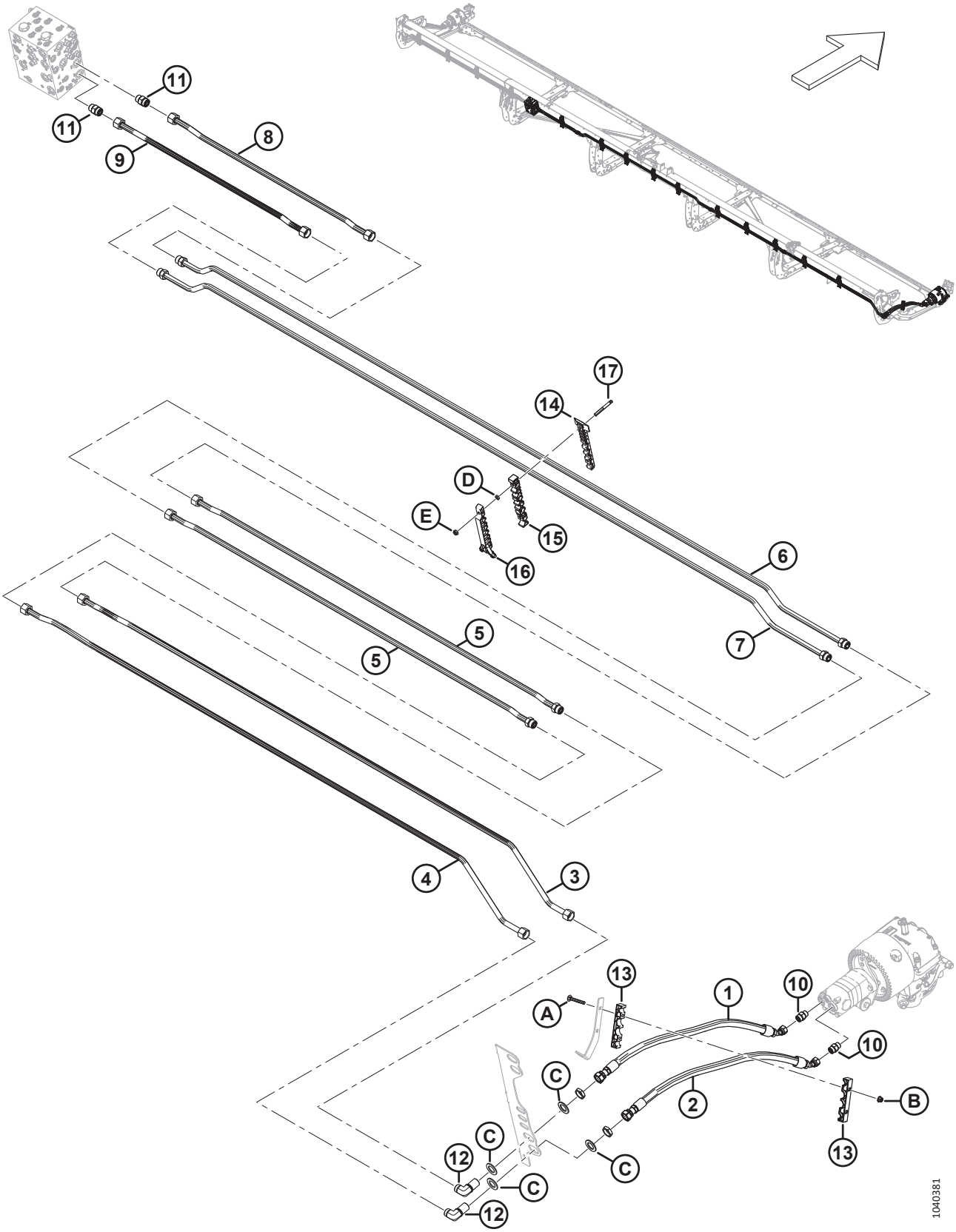
60 Hydraulics – Knife Drive, Double Knife, Left Side (D245)



Ref	Part Number	Description	Qty	Serial Number
1	283063	HOSE – HYD	1	
2	283065	HOSE – HYD	1	
3	283202	HOSE – HYD	1	
4	283465	LINE – HYDRAULIC (D245)	1	
5	283464	LINE – HYDRAULIC (D245)	1	
6	283463	LINE – HYDRAULIC (D245)	1	
7	283174	LINE – HYDRAULIC (D245)	1	
	135866	O-RING – Ø1.78 X Ø12.42		
8	283173	LINE – HYDRAULIC (D245)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
9	283172	LINE – HYDRAULIC (D245)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
10	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
11	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
12	136244	FITTING – ELBOW 90° BULKHEAD HYD [161]	1	
	135866	O-RING – Ø1.78 X Ø12.42		
13	136245	FITTING – ELBOW 90° BULKHEAD HYD [161]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
14	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
15	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
16	283984	CLAMP – LINE KNIFE	2	
17	283797	CLAMP – LINE BOTTOM LH	5	
18	283807	CLAMP – LINE MIDDLE LH	5	
19	340548	KIT – LH TOP LINE CLAMP [162]	5	
20	312654	STUD – THRD CLAMP PATCH WING	10	
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J	2	
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10	2	
C	18601	WASHER – FLAT SAE	2	
D	136355	WASHER – FLAT 2.0 IN OD ZP	4	
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

161. The fitting includes a securing nut.
162. Includes LH top line clamp (NSS) and two Torx screws (MD #320336).

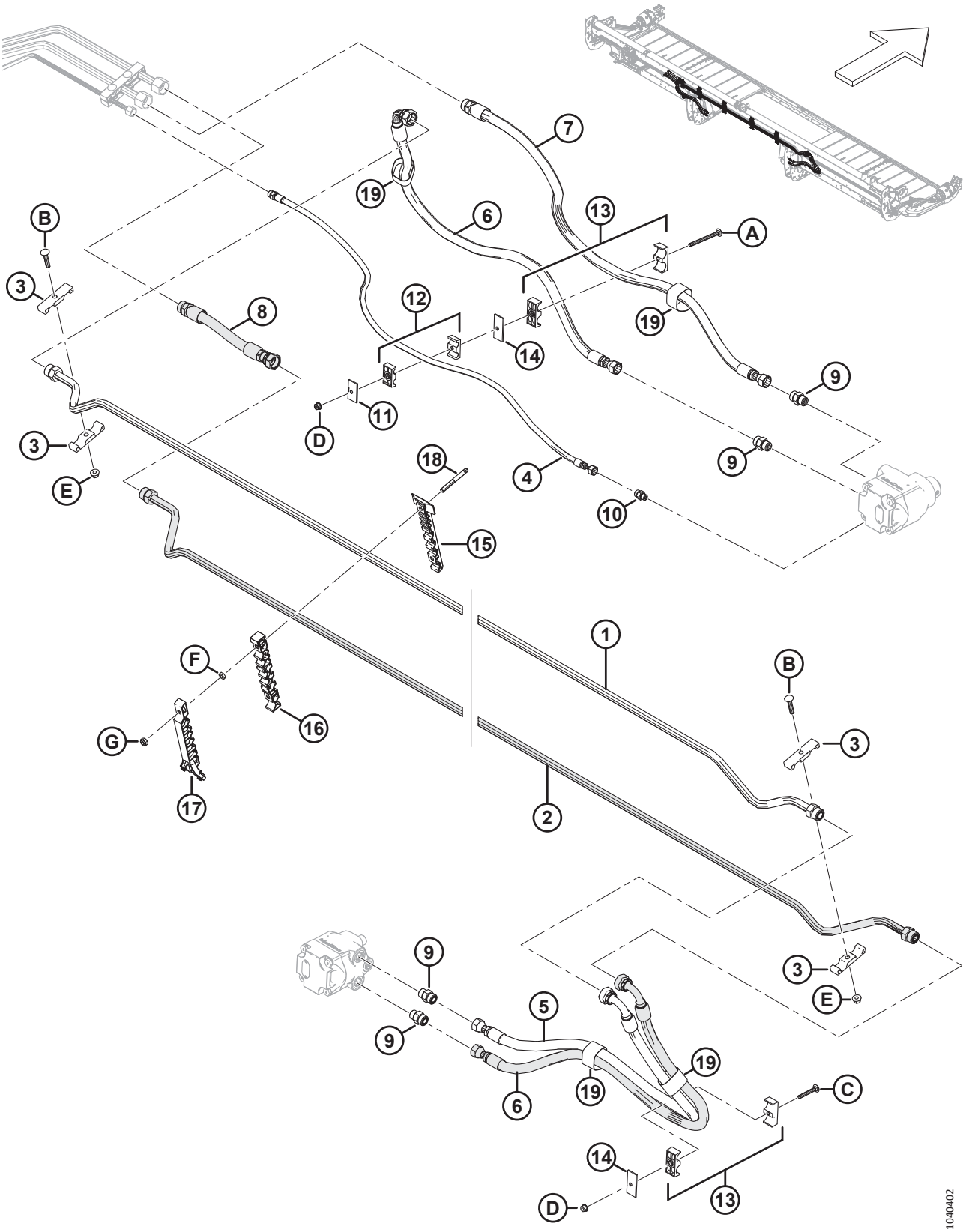
61 Hydraulics – Knife Drive, Double Knife, Right Side (D241 and D245)



Ref	Part Number	Description	Qty	Serial Number
1	283202	HOSE – HYD	1	
2	283063	HOSE – HYD	1	
3	283413	LINE – HYDRAULIC (D241, D245)	1	
4	283412	LINE – HYDRAULIC (D241, D245)	1	
5	283515	LINE – HYDRAULIC (D241) [163]	2	
	283519	LINE – HYDRAULIC (D245) [164]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	283242	LINE – HYDRAULIC (D241, D245)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	283239	LINE – HYDRAULIC (D241, D245)	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283243	LINE – HYDRAULIC (D241, D245)	1	
9	283238	LINE – HYDRAULIC (D241, D245)	1	
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING Ø2.46 X Ø19.18		
	135867	O-RING Ø1.78 X Ø15.60		
11	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
12	136245	FITTING – ELBOW 90° BULKHEAD HYD [165]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
13	283984	CLAMP – LINE KNIFE	2	
14	283820	CLAMP – LINE BOTTOM RH	10	
15	283818	CLAMP – LINE MIDDLE RH	10	
16	340549	KIT – RH TOP LINE CLAMP [166]	10	
17	312654	STUD – THRD CLAMP PATCH WING	20	
A	136495	BOLT – RHSN M10 X 1.5 X 70-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	136355	WASHER – FLAT 2.0 IN OD ZP		
D	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
E	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

163. Used on D241 headers only.
164. Used on D245 headers only.
165. The fitting includes a securing nut (NSS).
166. Includes RH top line clamp (NSS) and two Torx screws (MD #320336).

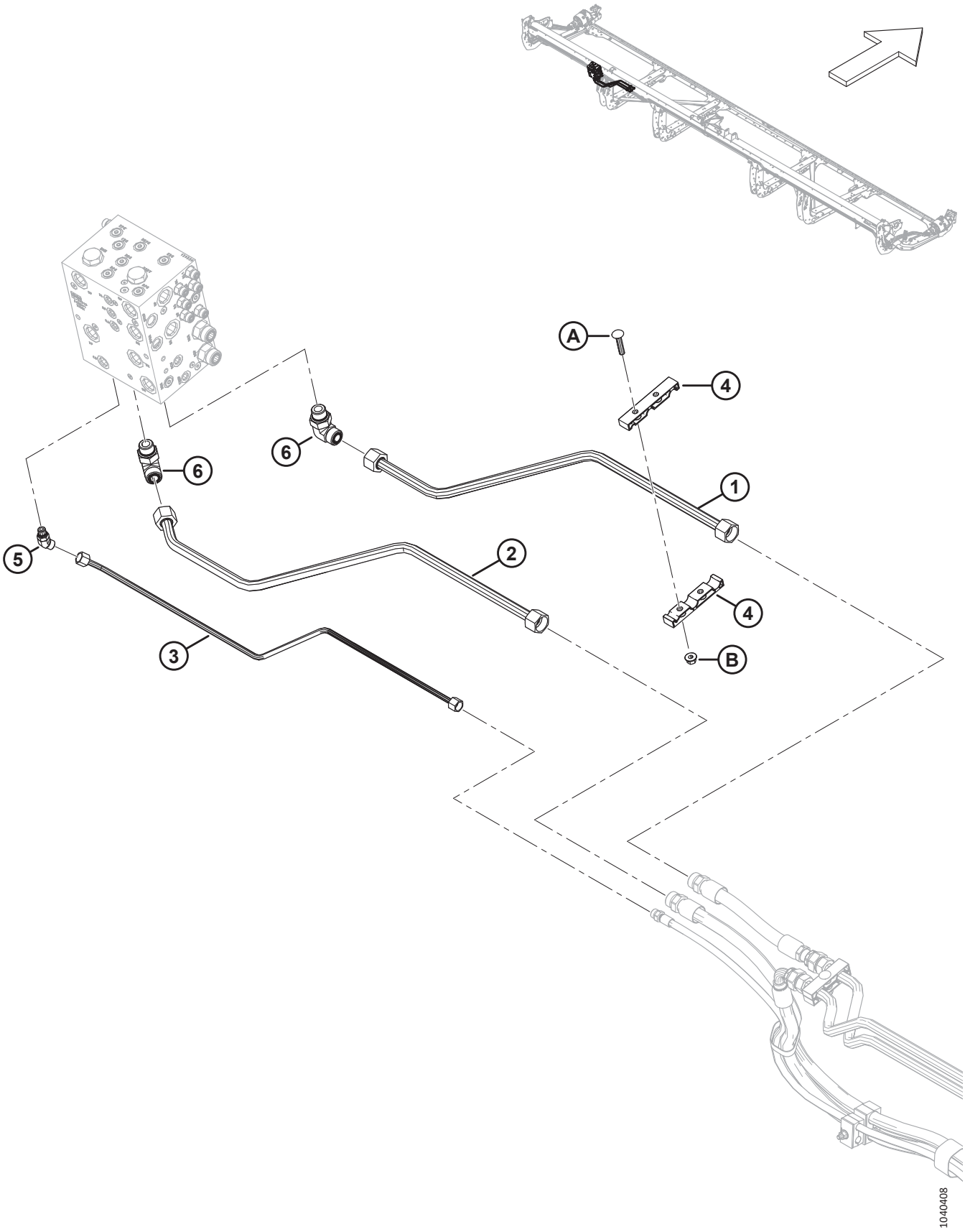
62 Hydraulics – Draper Drive, Center Delivery



Ref	Part Number	Description	Qty	Serial Number
1	283245	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
2	283244	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
3	283993	CLAMP – LINE DRAPER	4	
4	283297	HOSE – HYDRAULIC	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283296	HOSE – HYDRAULIC	1	
6	283295	HOSE – HYDRAULIC	2	
7	283294	HOSE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
8	283293	HOSE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
9	184461	FITTING – ADAPTER HYD	4	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
10	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184303	CLAMP – COVER PLATE	1	
12	232395	CLAMP – ASSY [167]	1	
13	232219	CLAMP – ASSY [167]	2	
14	232233	CLAMP – COVER PLATE	5	
15	283820	CLAMP – LINE BOTTOM RH	4	
16	283818	CLAMP – LINE MIDDLE RH	4	
17	340549	KIT – RH TOP LINE CLAMP [168]	4	
18	312654	STUD – THRD CLAMP PATCH WING	8	
19	135443	CINCH STRAP – 4 IN. LG	4	
A	252633	BOLT-RHSN M8X1.25X100-8.8-AA1J		
B	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
C	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
G	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

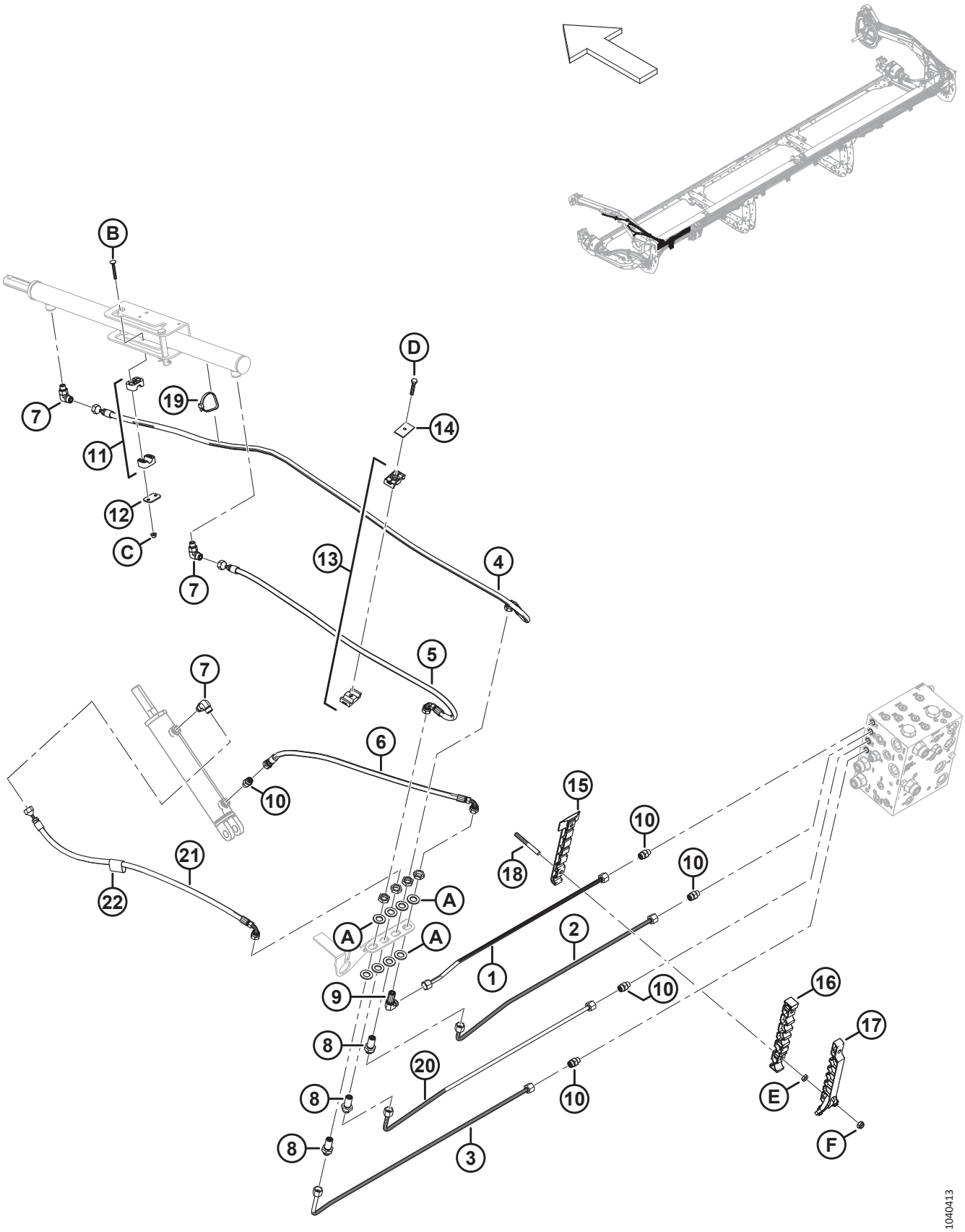
167. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
168. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

63 Hydraulics – Draper Drive, Manifold Lines



Ref	Part Number	Description	Qty	Serial Number
1	283283	LINE – HYDRAULIC	1	
2	283284	LINE – HYDRAULIC	1	
3	283285	LINE – HYDRAULIC	1	
4	283990	CLAMP – LINE DRAPER	2	
5	136144	FITTING – ELBOW 45° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
6	135821	FITTING – ELBOW 90° HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
	30971	O-RING – Ø2.95 X Ø23.47		
A	184658	BOLT – RHSSN M10 X 1.5 X 50-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

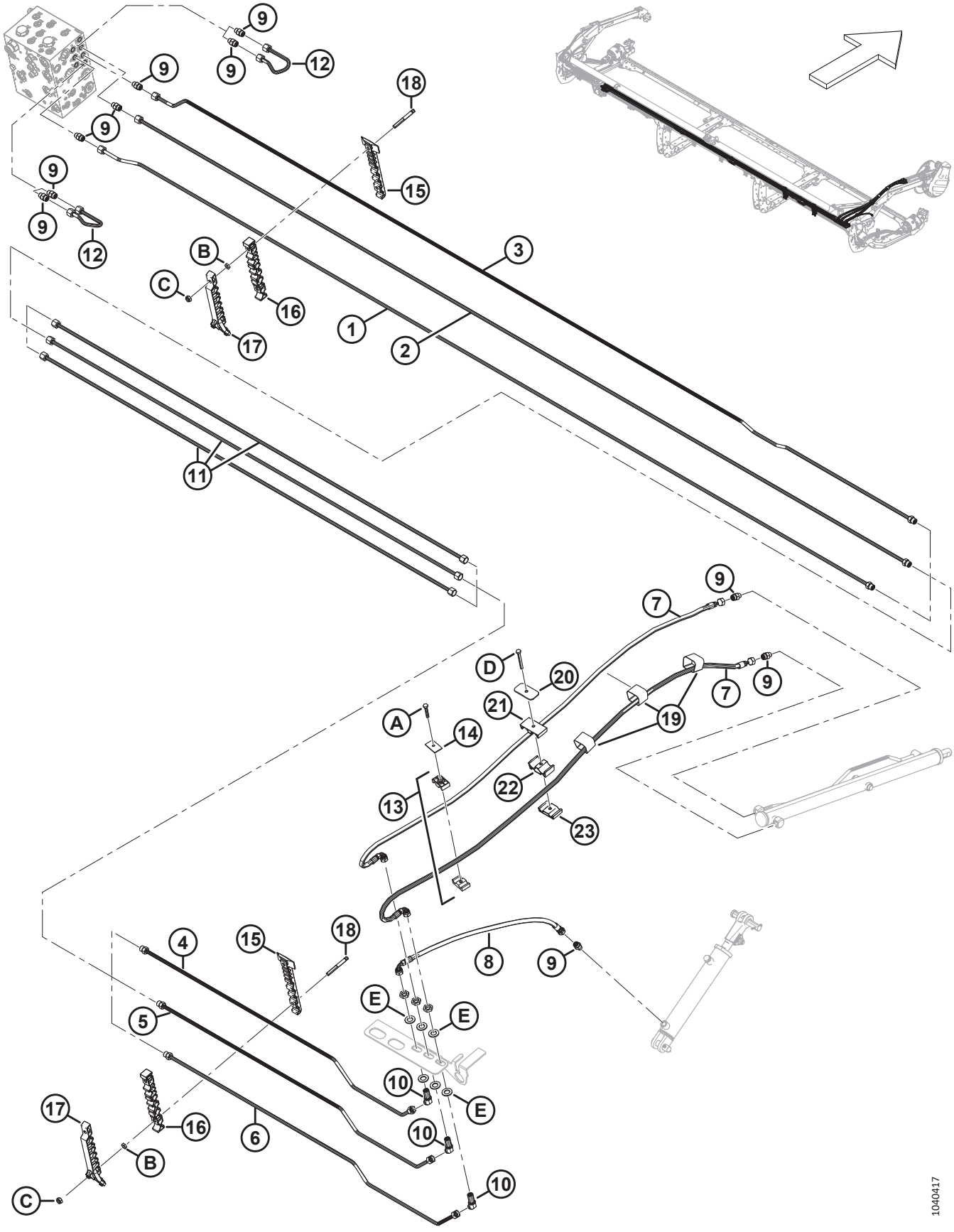
64 Hydraulics – Lift and Fore-Aft, Single Reel, Left Arm (D225)



Ref	Part Number	Description	Qty	Serial Number
1	283249	LINE – HYDRAULIC (D225)	1	
2	283248	LINE – HYDRAULIC (D225)	1	
3	283246	LINE – HYDRAULIC (D225)	1	
4	283057	HOSE – HYD	1	
5	283058	HOSE – HYD	1	
6	283059	HOSE – HYD	1	
7	136095	FITTING – ELBOW 90° HYD	3	
8	136145	FITTING – BULKHEAD UNION HYD [169]	3	
	135865	O-RING – Ø1.78 X Ø9.25		
9	136150	FITTING – ELBOW 90° BLKHD HYD [169]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
10	135778	FITTING – ADAPTER	5	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	283791	CLAMP – ASSY [170]	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY [170]	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH	1	
16	283807	CLAMP – LINE MIDDLE LH	1	
17	340548	KIT – LH TOP LINE CLAMP [171]	1	
18	312654	STUD – THRD CLAMP PATCH WING	2	
19	30753	FASTENER – CABLE TIE, BLACK	1	
20	283247	LINE – HYDRAULIC (D225)	1	
21	283060	HOSE – HYD	1	
22	135443	CINCH STRAP – 4 IN. LG	1	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

169. The fitting includes a securing nut (NSS).
170. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
171. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336).

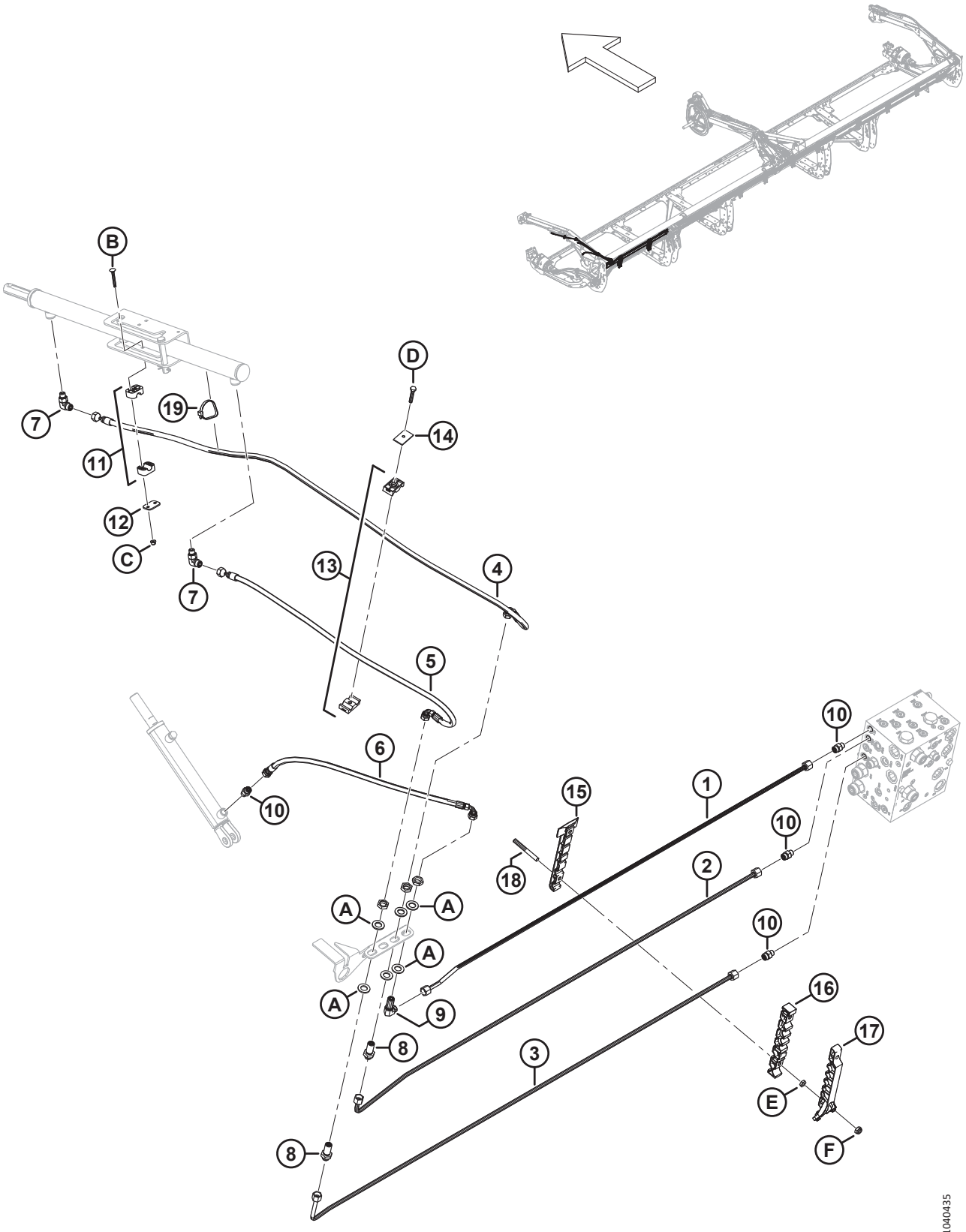
65 Hydraulics – Lift and Fore-Aft, Single Reel, Right Arm (D225)



Ref	Part Number	Description	Qty	Serial Number
1	283260	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283262	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283258	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
4	283259	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283261	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283263	LINE – HYDRAULIC (D225)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283327	HOSE – HYD	2	
8	283059	HOSE – HYD	1	
9	135778	FITTING – ADAPTER	10	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	136146	FITTING – ELBOW 45° BLKHD HYD [172]	3	
11	283750	LINE – HYDRAULIC (D225)	3	
	135865	O-RING – Ø1.78 X Ø9.25		
12	283251	LINE – HYDRAULIC	2	
13	232395	CLAMP – ASSY [173]	1	
14	184303	CLAMP – COVER PLATE	1	
15	283820	CLAMP – LINE BOTTOM RH	7	
16	283818	CLAMP – LINE MIDDLE RH	7	
17	340549	KIT – RH TOP LINE CLAMP [174]	7	
18	312654	STUD – THRD CLAMP PATCH WING	14	
19	135444	CINCH STRAP – 4 IN. LG	3	
20	323023	PLATE – CLAMP CENTER REEL ARM	1	
21	283989	PLATE – HOSE REEL TOP	1	
22	283988	PLATE – HOSE REEL MIDDLE	1	
23	283987	PLATE – HOSE REEL BOTTOM	1	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
E	136540	WASHER – FLAT		

172. The fitting includes a securing nut (NSS).
173. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
174. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

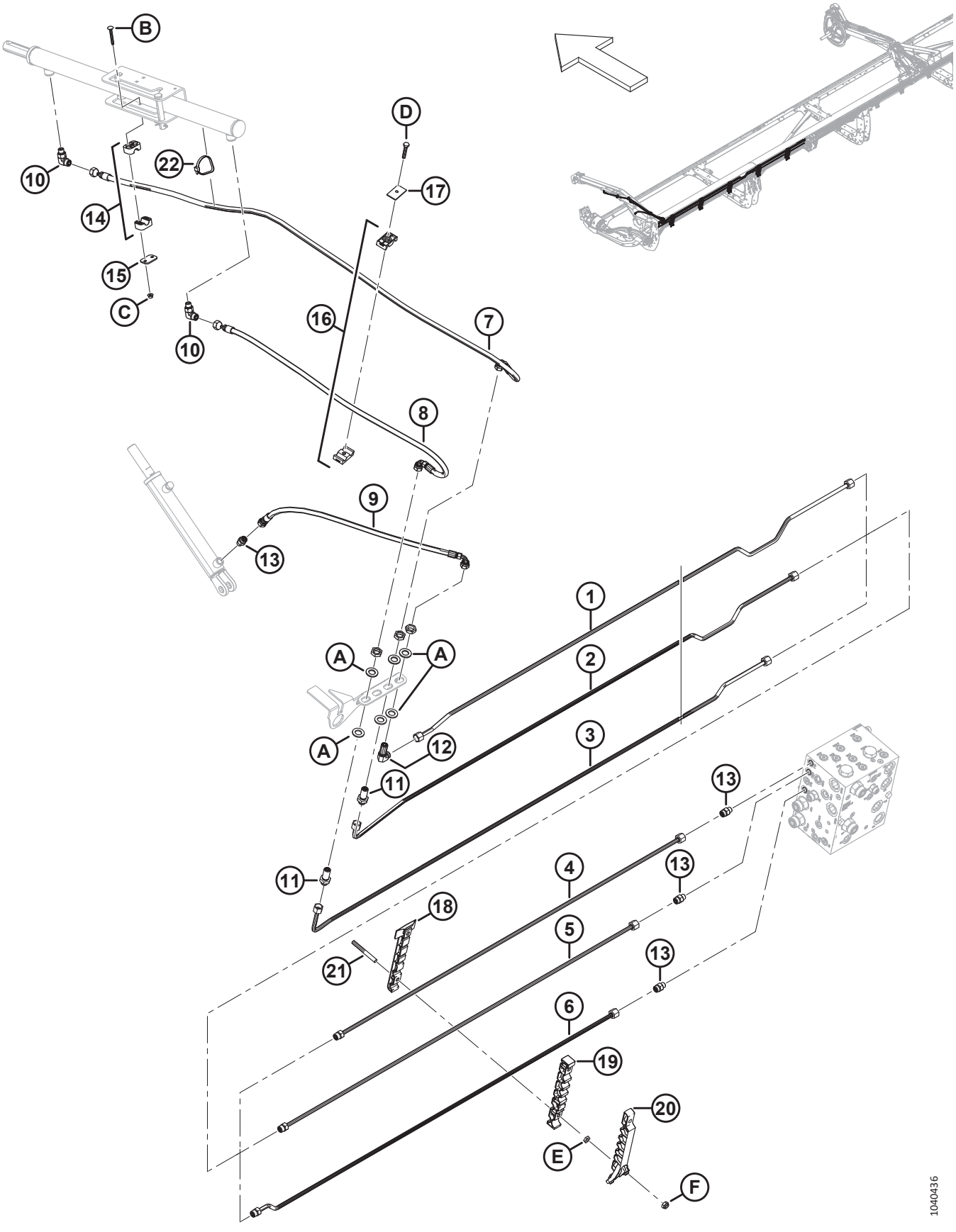
66 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (D230, D235, and D241)



Ref	Part Number	Description	Qty	Serial Number
1	283056	LINE – HYDRAULIC (D230) [175]	1	
	283144	LINE – HYDRAULIC (D235) [176]	1	
	283183	LINE – HYDRAULIC (D241) [177]	1	
2	283055	LINE – HYDRAULIC (D230) [175]	1	
	283143	LINE – HYDRAULIC (D235) [176]	1	
	283182	LINE – HYDRAULIC (D241) [177]	1	
3	283053	LINE – HYDRAULIC (D230) [175]	1	
	283141	LINE – HYDRAULIC (D235) [176]	1	
	283180	LINE – HYDRAULIC (D241) [177]	1	
4	283057	HOSE – HYD	1	
5	283058	HOSE – HYD	1	
6	283059	HOSE – HYD	1	
7	136095	FITTING – ELBOW 90° HYD	2	
8	136145	FITTING – BULKHEAD UNION HYD [178]	2	
9	136150	FITTING – ELBOW 90° BLKHD HYD [178]	1	
10	135778	FITTING – ADAPTER	4	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	283791	CLAMP – ASSY [179]	1	
12	255461	PLATE – COVER	1	
13	232395	CLAMP – ASSY [179]	1	
14	184303	CLAMP – COVER PLATE	1	
15	283797	CLAMP – LINE BOTTOM LH [180]		
16	283807	CLAMP – LINE MIDDLE LH [180]		
17	340548	KIT – LH TOP LINE CLAMP [181]		
18	312654	STUD – THRD CLAMP PATCH WING [182]		
19	30753	FASTENER – CABLE TIE, BLACK	1	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

175. Used on D230 headers only.
176. Used on D235 headers only.
177. Used on D241 headers only.
178. The fitting includes a securing nut (NSS).
179. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
180. Quantities: D230 = 2, D235 = 3, and D241 = 4.
181. Includes LH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D230 = 2, D235 = 3, and D241 = 4.
182. Quantities: D230 = 4, D235 = 6, and D241 = 8.

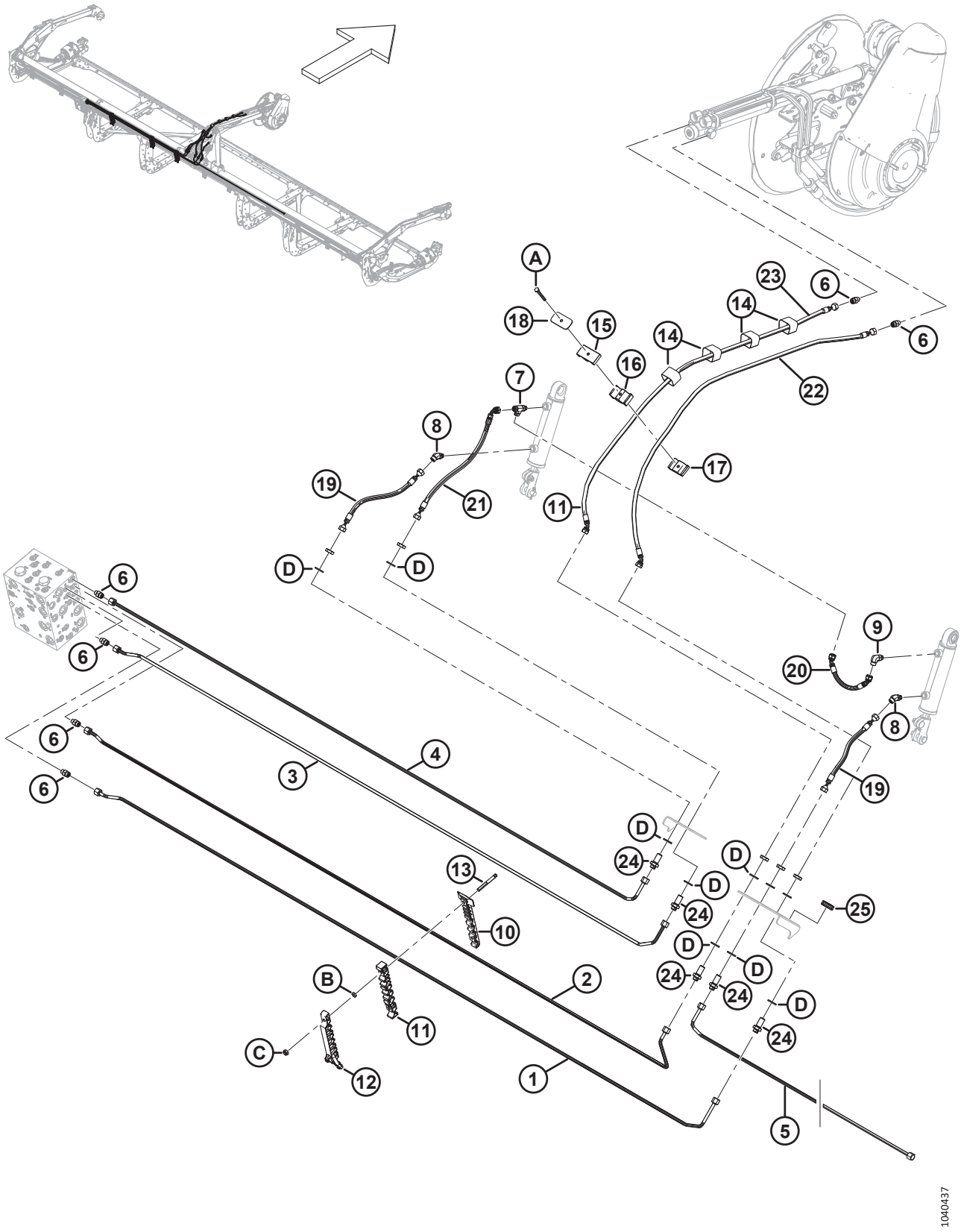
67 Hydraulics – Lift and Fore-Aft, Double Reel, Left Arm (D245)



Ref	Part Number	Description	Qty	Serial Number
1	283824	LINE – HYDRAULIC (D245)	1	
2	283823	LINE – HYDRAULIC (D245)	1	
3	283822	LINE – HYDRAULIC (D245)	1	
4	283450	LINE – HYDRAULIC (D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283449	LINE – HYDRAULIC (D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283447	LINE – HYDRAULIC (D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283057	HOSE – HYD	1	
8	283058	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	136095	FITTING – ELBOW 90° HYD	2	
11	136145	FITTING – BULKHEAD UNION HYD [183]	2	
12	136150	FITTING – ELBOW 90° BLKHD HYD [183]	1	
13	135778	FITTING – ADAPTER	4	
14	283791	CLAMP – ASSY [184]	1	
15	255461	PLATE – COVER	1	
16	232395	CLAMP – ASSY [184]	1	
17	184303	CLAMP – COVER PLATE	1	
18	283797	CLAMP – LINE BOTTOM LH	5	
19	283807	CLAMP – LINE MIDDLE LH	5	
20	340548	KIT – LH TOP LINE CLAMP [185]	5	
21	312654	STUD – THRD CLAMP PATCH WING	10	
22	30753	FASTENER – CABLE TIE, BLACK	1	
A	136540	WASHER – FLAT		
B	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

183. The fitting includes a securing nut (NSS).
184. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
185. Includes LH top line clamp (NSS) and two Torx screws (MD #320336).

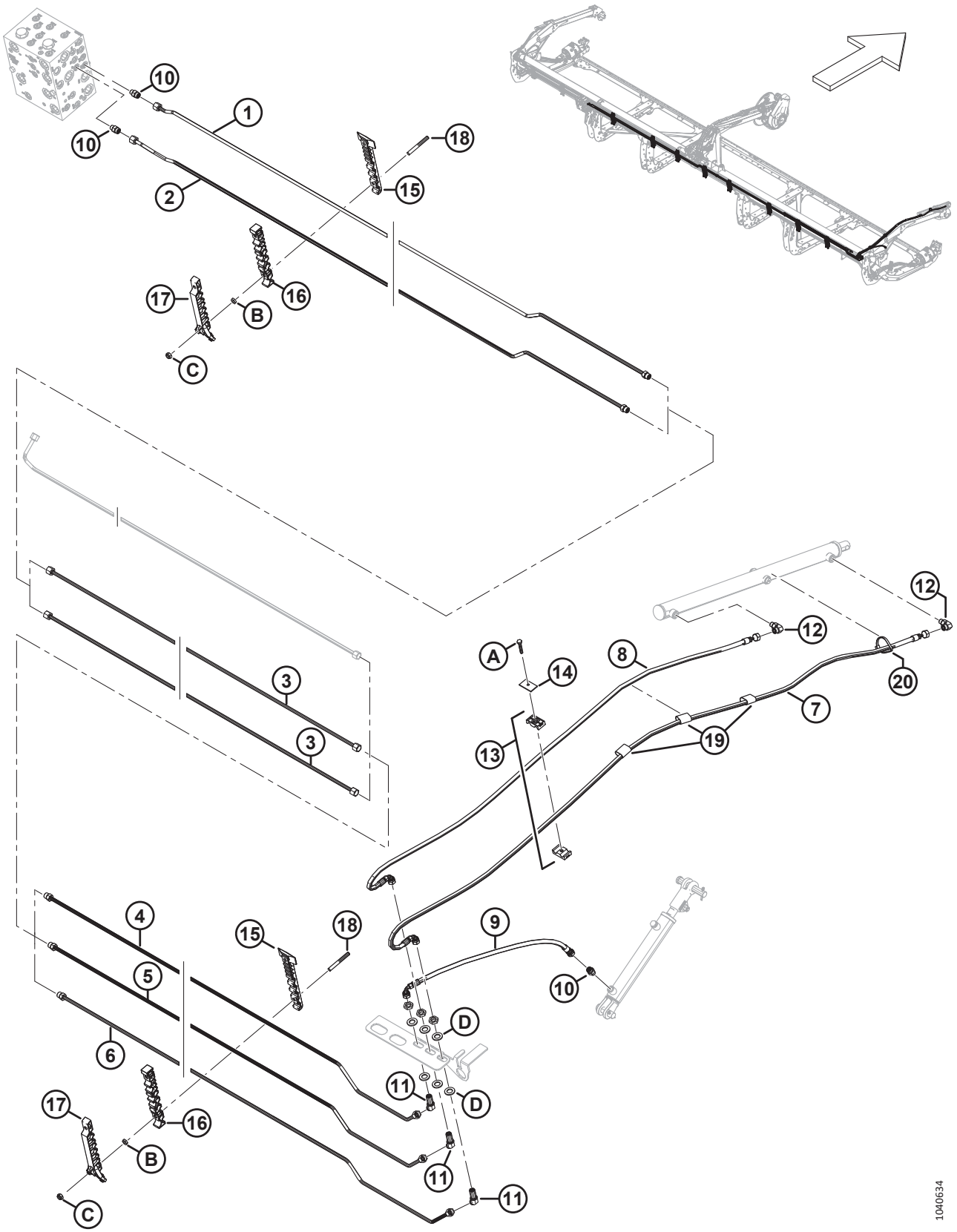
68 Hydraulics – Lift and Fore-Aft, Double Reel, Center Arm (D230, D235, D241, and D245)



Ref	Part Number	Description	Qty	Serial Number
1	283523	LINE – HYDRAULIC	1	
2	283520	LINE – HYDRAULIC	1	
3	283522	LINE – HYDRAULIC	1	
4	283521	LINE – HYDRAULIC	1	
5	283526	LINE – HYDRAULIC (D230, D235) [186]	1	
	283810	LINE – HYDRAULIC (D241, D245) [187]	1	
6	135778	FITTING – ADAPTER	6	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
7	136240	FITTING – TEE HYD	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
8	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
9	136095	FITTING – ELBOW 90° HYD	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
10	283820	CLAMP – LINE BOTTOM RH	3	
11	283818	CLAMP – LINE MIDDLE RH	3	
12	340549	KIT – RH TOP LINE CLAMP [188]	3	
13	312654	STUD – THRD CLAMP PATCH WING	6	
14	135444	CINCH STRAP – 6 IN. LG	4	
15	283989	CLAMP – HOSE REEL TOP	1	
16	283988	CLAMP – HOSE REEL MIDDLE	1	
17	283987	CLAMP – HOSE REEL BOTTOM	1	
18	323023	PLATE – CLAMP CENTER REEL ARM	1	
19	283582	HOSE – HYD, 1/4 IN ID, 350 MM LG, 100R17	2	
20	283785	HOSE – HYD, 1/4 IN ID, 240 MM LG, 100R17	1	
21	283747	HOSE – HYD, 1/4 IN ID, 475 MM LG, 100R17	1	
22	323018	HOSE – HYD, 1/4 IN ID, 1530 MM LG, 100R17	1	
23	283581	HOSE – HYD, 1/4 IN ID, 1505 MM LG, 100R17	1	
24	136145	FITTING – BULKHEAD UNION HYD [189]	5	
	135865	O-RING – Ø1.78 X Ø9.25		
25	112640	GROMMET	1	
A	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	136540	WASHER – FLAT		

186. Used on D230 and D235 headers only.
187. Used on D241 and D245 headers only.
188. Includes RH top line clamp (NSS) and two Torx screws (MD #320336).
189. The fitting includes a securing nut (NSS).

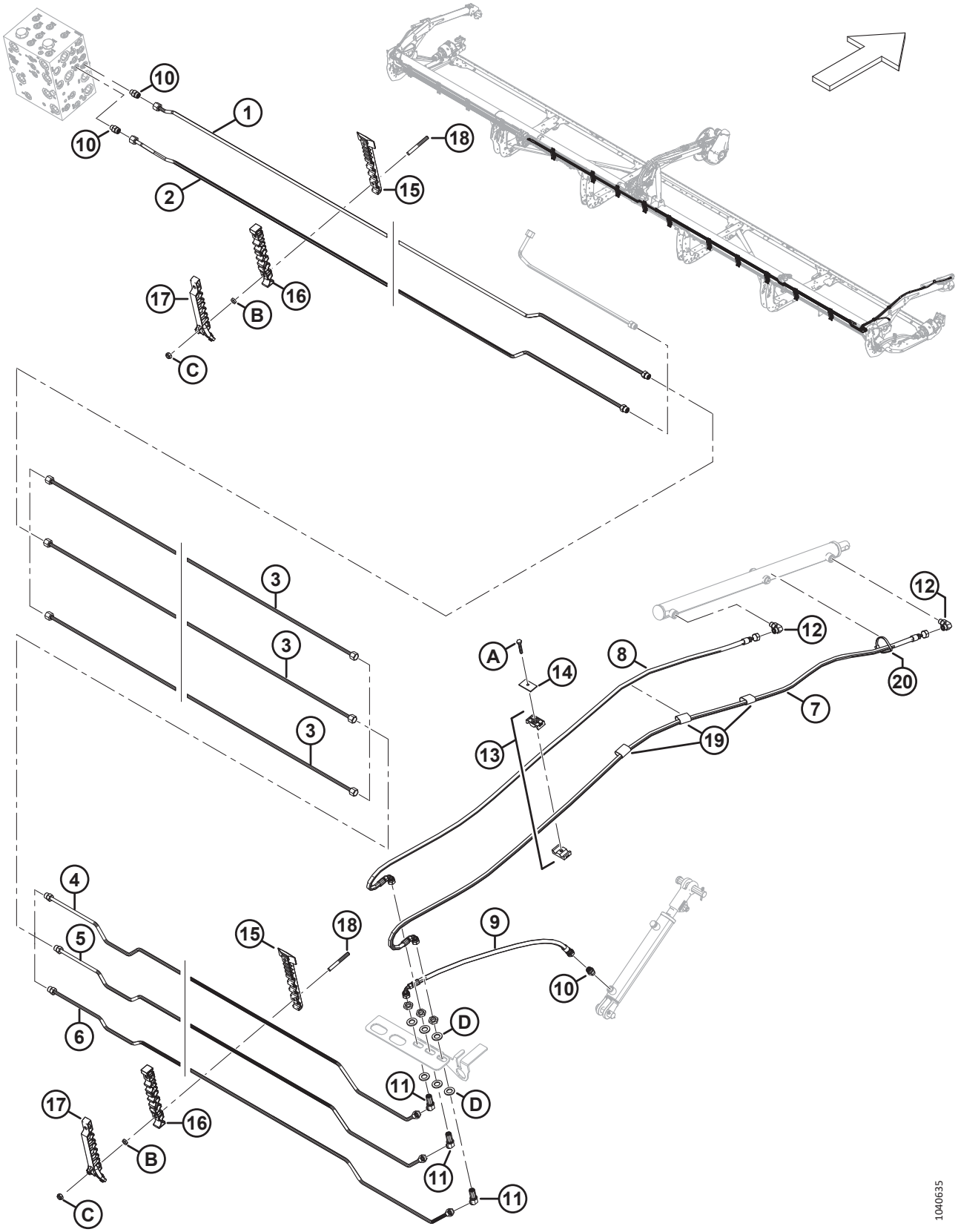
69 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D230 and D235)



Ref	Part Number	Description	Qty	Serial Number
1	283533	LINE – HYDRAULIC (D230 AND D235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283540	LINE – HYDRAULIC (D230 AND D235)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283750	LINE – HYDRAULIC (D230 AND D235)	2	
4	283527	LINE – HYDRAULIC (D230) [190]	1	
	283528	LINE – HYDRAULIC (D235) [191]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283534	LINE – HYDRAULIC (D230) [190]	1	
	283535	LINE – HYDRAULIC (D235) [191]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283541	LINE – HYDRAULIC (D230) [190]	1	
	283542	LINE – HYDRAULIC (D235) [191]	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283074	HOSE – HYD	1	
8	283075	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	135778	FITTING – ADAPTER	3	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	136146	FITTING – ELBOW 45° BLKHD HYD [192]	3	
12	136095	FITTING – ELBOW 90° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
13	232395	CLAMP – ASSY [193]	2	
14	184303	CLAMP – COVER PLATE	2	
15	283820	CLAMP – LINE BOTTOM RH [194]		
16	283818	CLAMP – LINE MIDDLE RH [194]		
17	340549	KIT – RH TOP LINE CLAMP [195]		
18	312654	STUD – THRD CLAMP PATCH WING [196]		
19	135443	CINCH STRAP – 4 IN. LG	3	
20	30753	FASTENER – CABLE TIE, BLACK	1	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	136540	WASHER – FLAT		

190. Used on D230 headers only.
191. Used on D235 headers only.
192. The fitting includes a securing nut (NSS).
193. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
194. Quantities: D230 = 8; D235 = 9.
195. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336). Quantities: D230 = 8; D235 = 9.
196. Quantities: D230 = 16; D235 = 18.

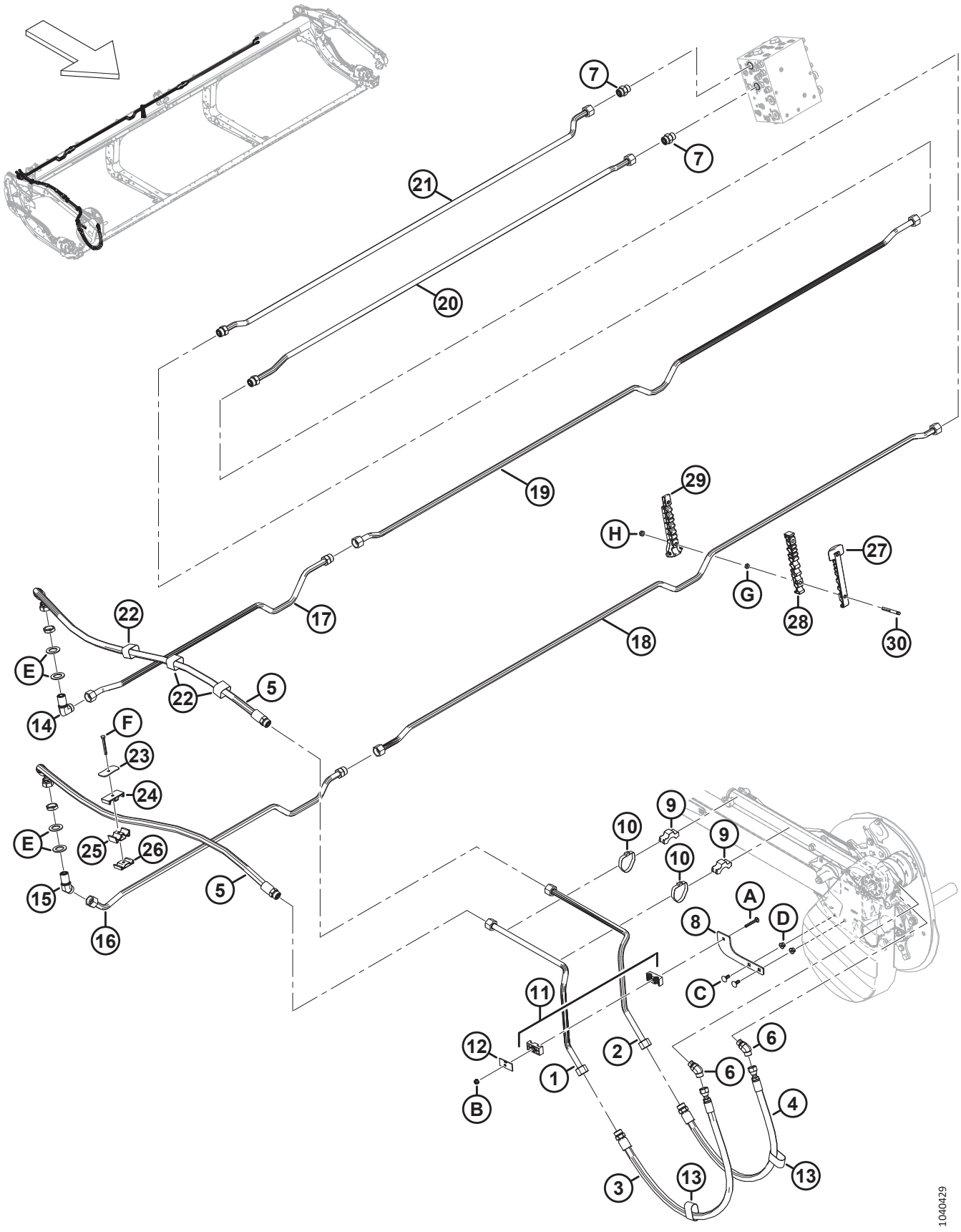
70 Hydraulics – Lift and Fore-Aft, Double Reel, Right Arm (D241 and D245)



Ref	Part Number	Description	Qty	Serial Number
1	283533	LINE – HYDRAULIC (D241 AND D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
2	283540	LINE – HYDRAULIC (D241 AND D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
3	283529	LINE – HYDRAULIC (D241) [197]	3	
	283531	LINE – HYDRAULIC (D245) [198]	3	
4	283431	LINE – HYDRAULIC (D241 AND D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
5	283432	LINE – HYDRAULIC (D241 AND D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
6	283433	LINE – HYDRAULIC (D241 AND D245)	1	
	135865	O-RING – Ø1.78 X Ø9.25		
7	283074	HOSE – HYD	1	
8	283075	HOSE – HYD	1	
9	283059	HOSE – HYD	1	
10	135778	FITTING – ADAPTER	3	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
11	136146	FITTING – ELBOW 45° BLKHD HYD [199]	3	
12	136095	FITTING – ELBOW 90° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
13	232395	CLAMP – ASSY [200]	2	
14	184303	CLAMP – COVER PLATE	2	
15	283820	CLAMP – LINE BOTTOM RH	10	
16	283818	CLAMP – LINE MIDDLE RH	10	
17	340549	KIT – RH TOP LINE CLAMP [201]	10	
18	312654	STUD – THRD CLAMP PATCH WING	20	
19	135443	CINCH STRAP – 4 IN. LG	3	
20	30753	FASTENER – CABLE TIE, BLACK	1	
A	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
B	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
C	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		
D	136540	WASHER – FLAT		

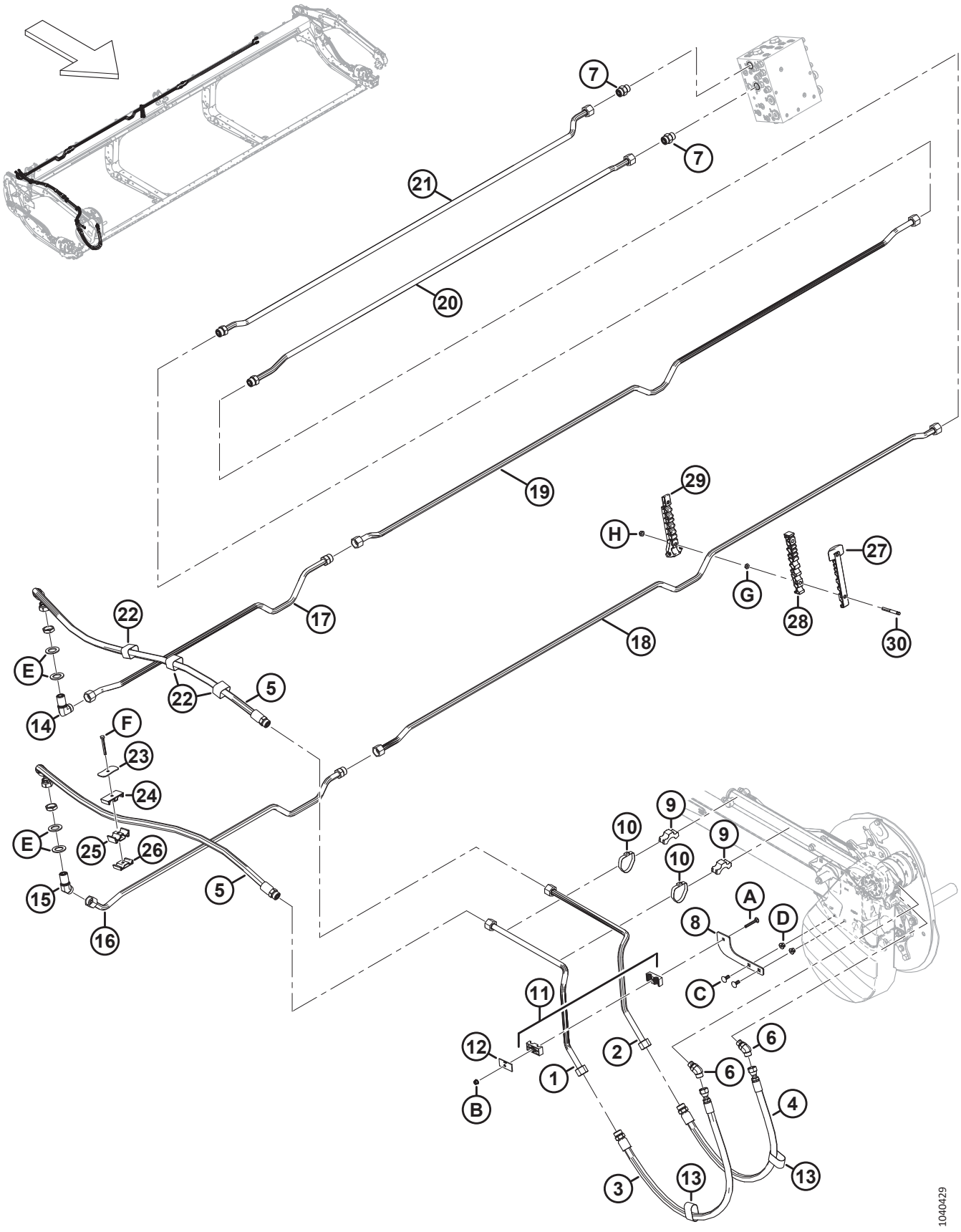
197. Used on D241 headers only.
198. Used on D245 headers only.
199. The fitting includes a securing nut (NSS).
200. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
201. Includes RH top line clamp (NSS) and two Torx screws (MD #320336).

71 Hydraulics – Reel Drive, Single Reel



Ref	Part Number	Description	Qty	Serial Number
1	323428	LINE – HYDRAULIC	1	
2	323429	LINE – HYDRAULIC	1	
3	283092	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
4	283091	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	323519	HOSE – HYD	2	
	135868	O-RING – Ø1.78 X Ø18.77		
6	136327	FITTING – ELBOW 45° HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
7	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
8	273285	SUPPORT – BRACKET	1	
9	232405	CLAMP – LINE	2	
10	112823	CLAMP – HOSE	2	
11	232397	CLAMP – ASSY [202]	1	
12	232233	CLAMP – COVER PLATE	1	
13	135443	CINCH STRAP 4 IN. LG	2	
14	136245	FITTING – ELBOW 90°BULKHEAD HYD [203]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
15	136527	FITTING – ELBOW 45° BULKHEAD [203]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
16	283255	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
17	283254	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
18	283256	LINE – HYDRAULIC	1	
19	283253	LINE – HYDRAULIC	1	
20	283257	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
21	283252	LINE – HYDRAULIC	1	
	135868	O-RING – Ø1.78 X Ø18.77		
22	135444	CINCH STRAP – 4 IN. LG	3	
23	323023	PLATE – CLAMP CENTER REEL ARM	1	
24	283989	PLATE – HOSE REEL TOP	1	
25	283988	PLATE – HOSE REEL MIDDLE	1	
26	283987	PLATE – HOSE REEL BOTTOM	1	
27	283820	CLAMP – LINE BOTTOM RH	7	
28	283818	CLAMP – LINE MIDDLE RH	7	

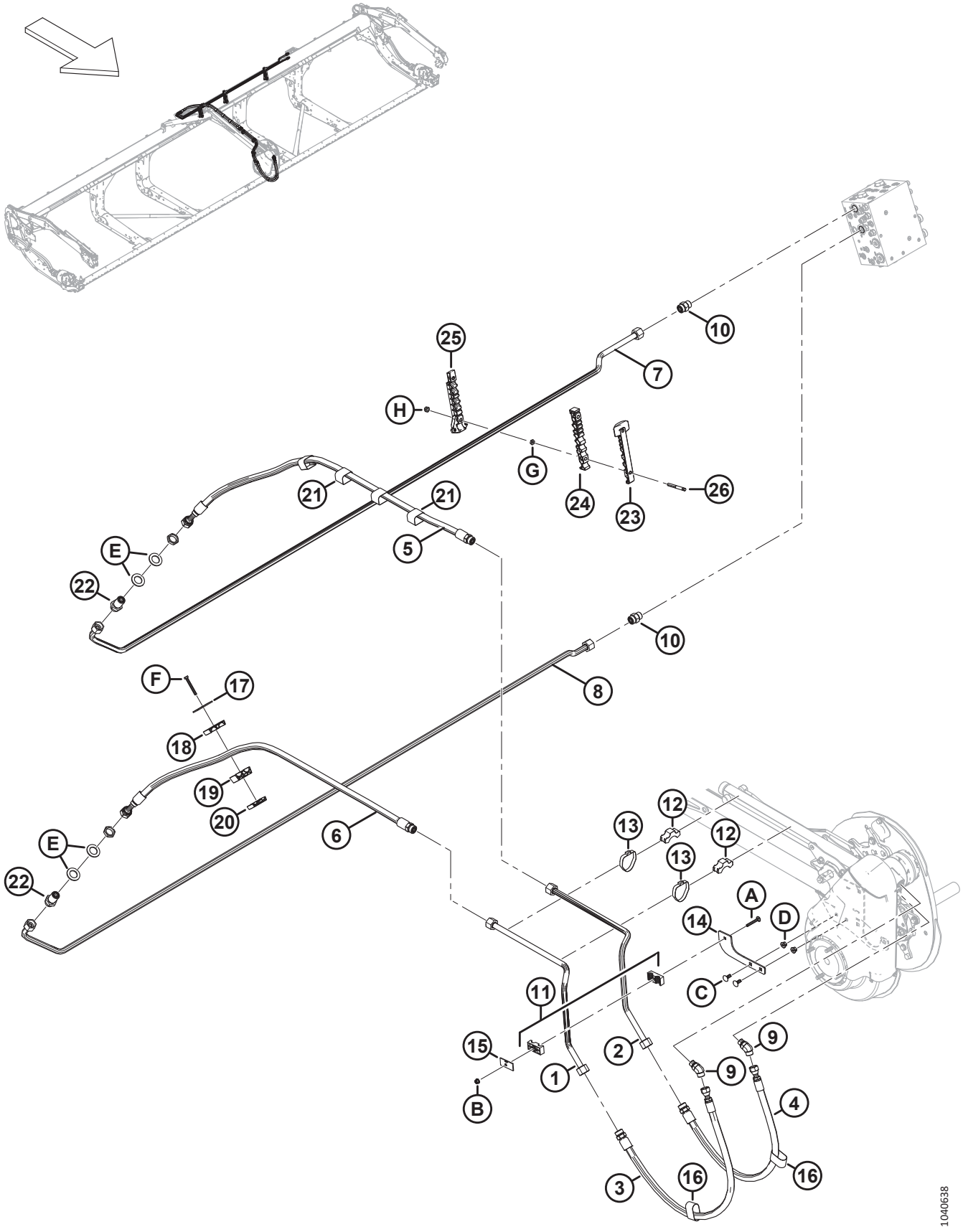
202. The clamp assembly includes two clamp halves (NSS). It does NOT include the cover plate or hardware.
203. The fitting includes a securing nut (NSS).


7
7
21
20
19
29
H
27
G
28
30
18
17
22
22
5
E
14
F
23
24
E
25
26
15
5
16
9
10
9
10
A
8
D
C
11
12
B
1
2
6
6
4
3
13
13
1040429

Ref	Part Number	Description	Qty	Serial Number
29	340549	KIT – RH TOP LINE CLAMP [204]	7	
30	312654	STUD – THRD CLAMP PATCH WING	14	
A	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	136355	WASHER – FLAT 2.0 IN. OD ZP		
F	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
G	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
H	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

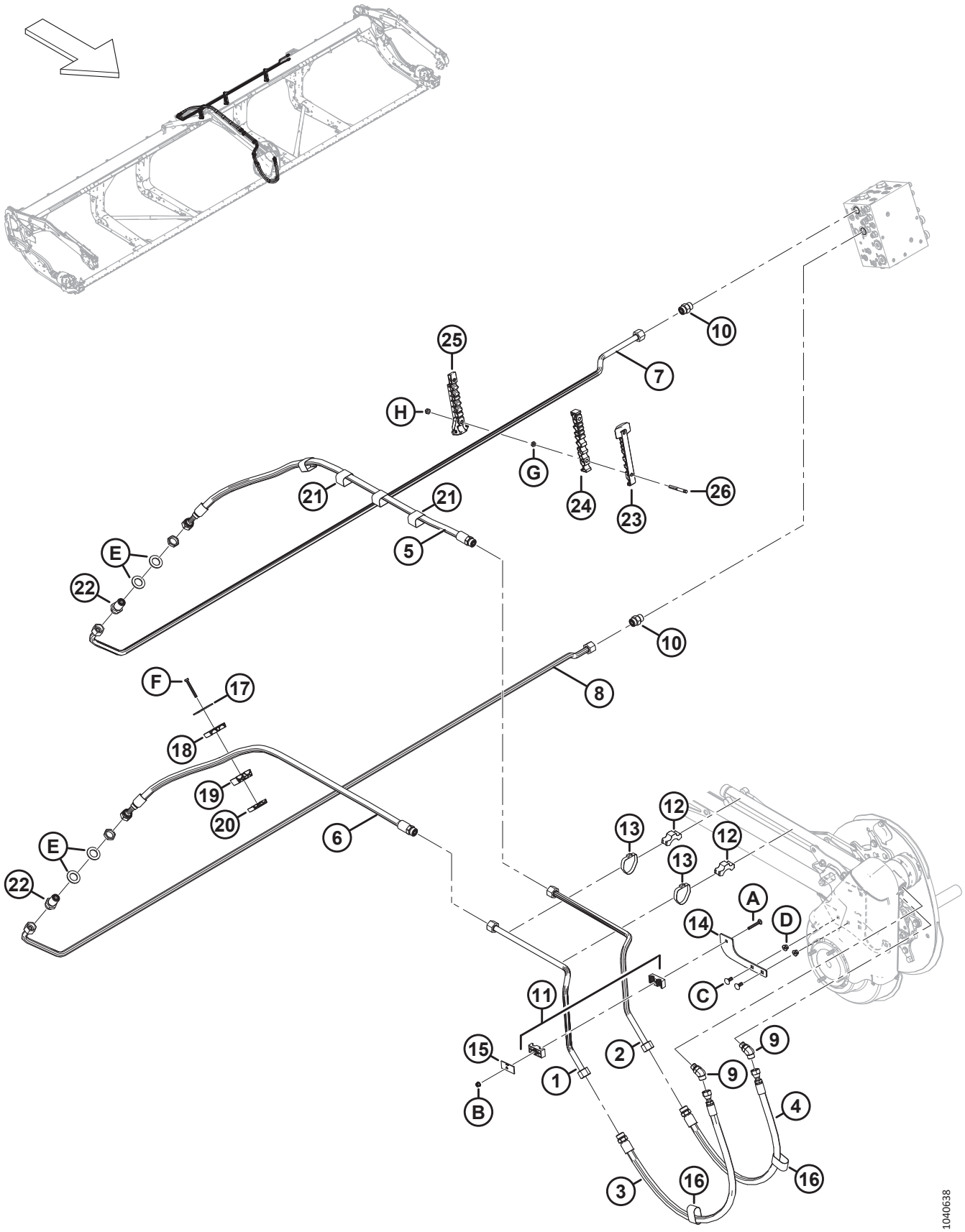
204. Includes RH top line clamp (NSS) and two Torx screws (MD #320336).

72 Hydraulics – Reel Drive, Double Reel



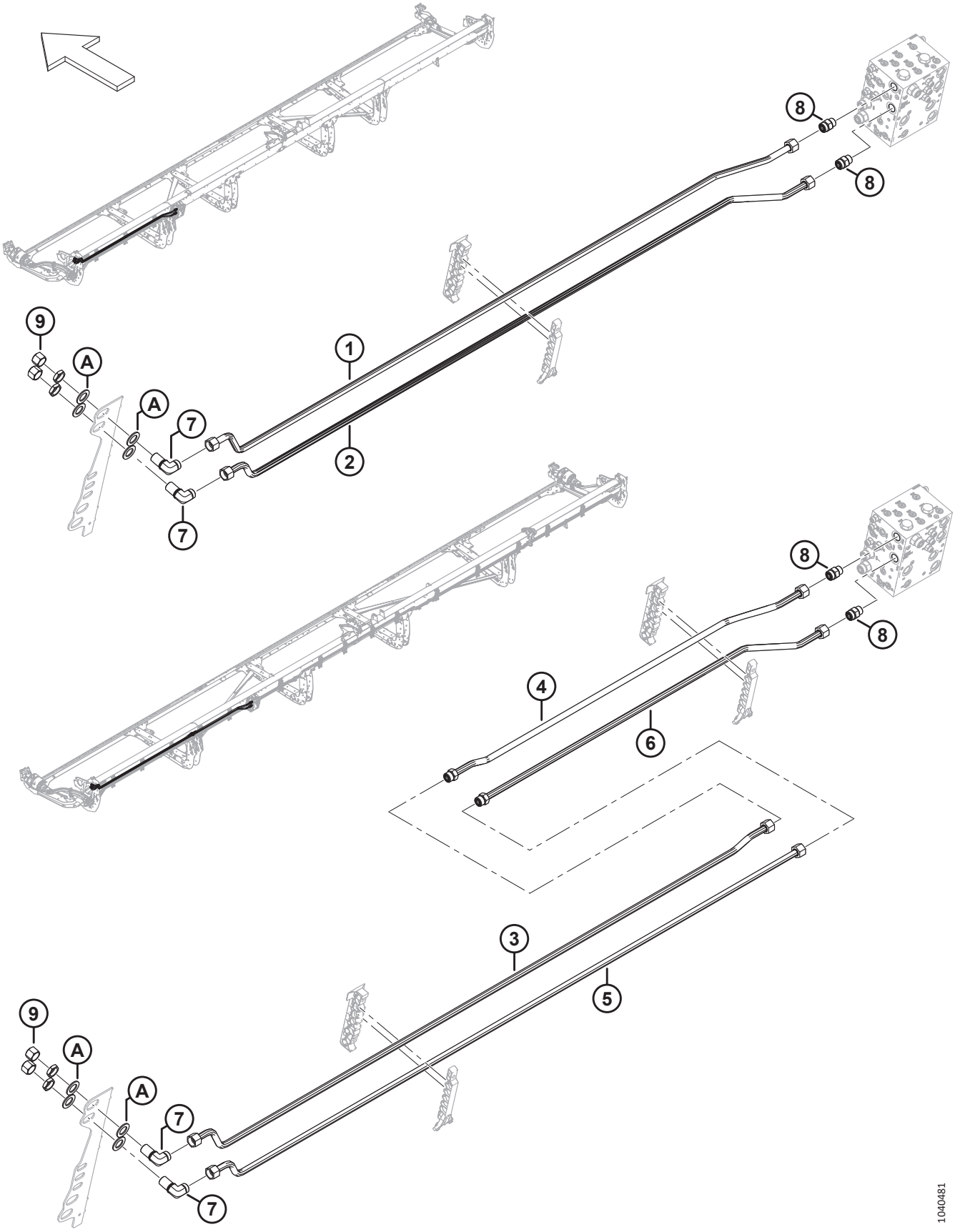
Ref	Part Number	Description	Qty	Serial Number
1	323428	LINE – HYDRAULIC	1	
2	323429	LINE – HYDRAULIC	1	
3	283092	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
4	283091	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283580	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
6	323017	HOSE – HYD	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	323921	LINE – HYDRAULIC	1	
8	283525	LINE – HYDRAULIC	1	
9	136327	FITTING – ELBOW 45° HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
10	135788	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
11	273285	SUPPORT – BRACKET	1	
12	232405	CLAMP – LINE	2	
13	112823	CLAMP – HOSE	2	
14	232397	CLAMP – ASSY [205]	1	
15	232233	CLAMP – COVER PLATE	1	
16	135443	CINCH STRAP 4 IN. LG	2	
17	323023	PLATE – CLAMP CENTER REEL ARM	1	
18	283989	CLAMP – HOSE REEL TOP	1	
19	283988	CLAMP – HOSE REEL MIDDLE	1	
20	283987	CLAMP – HOSE REEL BOTTOM	1	
21	135444	CINCH STRAP – 4 IN. LG	4	
22	136254	FITTING — BULKHEAD HYD [206]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
23	283820	CLAMP – LINE BOTTOM RH	3	
24	283818	CLAMP – LINE MIDDLE RH	3	
25	340549	KIT – RH TOP LINE CLAMP [207]	3	
26	312654	STUD – THRD CLAMP PATCH WING	6	
A	136486	BOLT – RHSN M8 X 1.25 X 60-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	136355	WASHER – FLAT 2.0 IN. OD ZP		
F	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		

205. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.
206. The fitting includes a securing nut (NSS).
207. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).


1040638

Ref	Part Number	Description	Qty	Serial Number
G	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
H	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

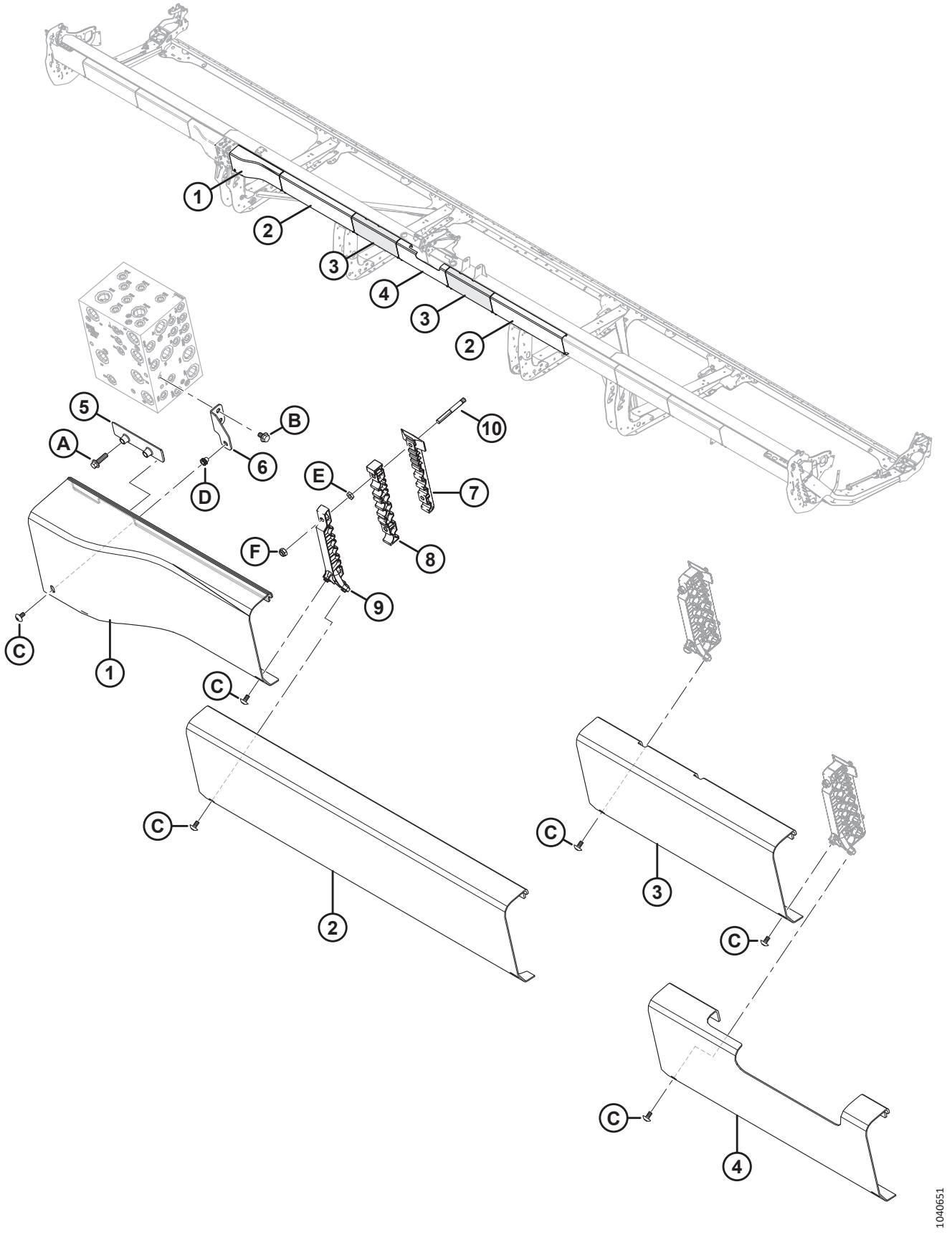
73 Hydraulics – Upper Cross Auger



Ref	Part Number	Description	Qty	Serial Number
	B7338	KIT – 25 FT. UPPER CROSS AUGER HYDRAULICS [208]		
	B7117	KIT – 30 FT. UPPER CROSS AUGER HYDRAULICS [208]		
	B7118	KIT – 35 FT. UPPER CROSS AUGER HYDRAULICS [208]		
	B7120	KIT – 41 FT. UPPER CROSS AUGER HYDRAULICS [208]		
	B7121	KIT – 45 FT. UPPER CROSS AUGER HYDRAULICS [208]		
1	323354	LINE – HYDRAULIC (D225) [209]	1	
	283052	LINE – HYDRAULIC (D230) [210]	1	
	283164	LINE – HYDRAULIC (D235) [211]	1	
	283462	LINE – HYDRAULIC (D241) [212]	1	
2	323355	LINE – HYDRAULIC (D225) [209]	1	
	283051	LINE – HYDRAULIC (D230) [210]	1	
	283205	LINE – HYDRAULIC (D235) [211]	1	
	283461	LINE – HYDRAULIC (D241) [212]	1	
3	283469	LINE – HYDRAULIC (D245) [213]	1	
4	283200	LINE – HYDRAULIC (D245) [213]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
5	283468	LINE – HYDRAULIC (D245) [213]	1	
6	283199	LINE – HYDRAULIC (D245) [213]	1	
	135868	O-RING – Ø1.78 X Ø18.77		
7	136245	FITTING – ELBOW 90° BULKHEAD HYD [214]	2	
	135868	O-RING – Ø1.78 X Ø18.77		
8	135788	FITTING – ADAPTER (UCAP, UCAR)	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
9	135889	CAP – HYD SAE - 12 ORFS	2	
A	136355	WASHER – FLAT 2.0 IN OD ZP	4	

208. Kits are available through Whole Goods only.
209. Used on D225 headers only.
210. Used on D230 headers only.
211. Used on D235 headers only.
212. Used on D241 headers only.
213. Used on D245 headers only.
214. The fitting includes a securing nut.

74 Hydraulic Line Covers – Center

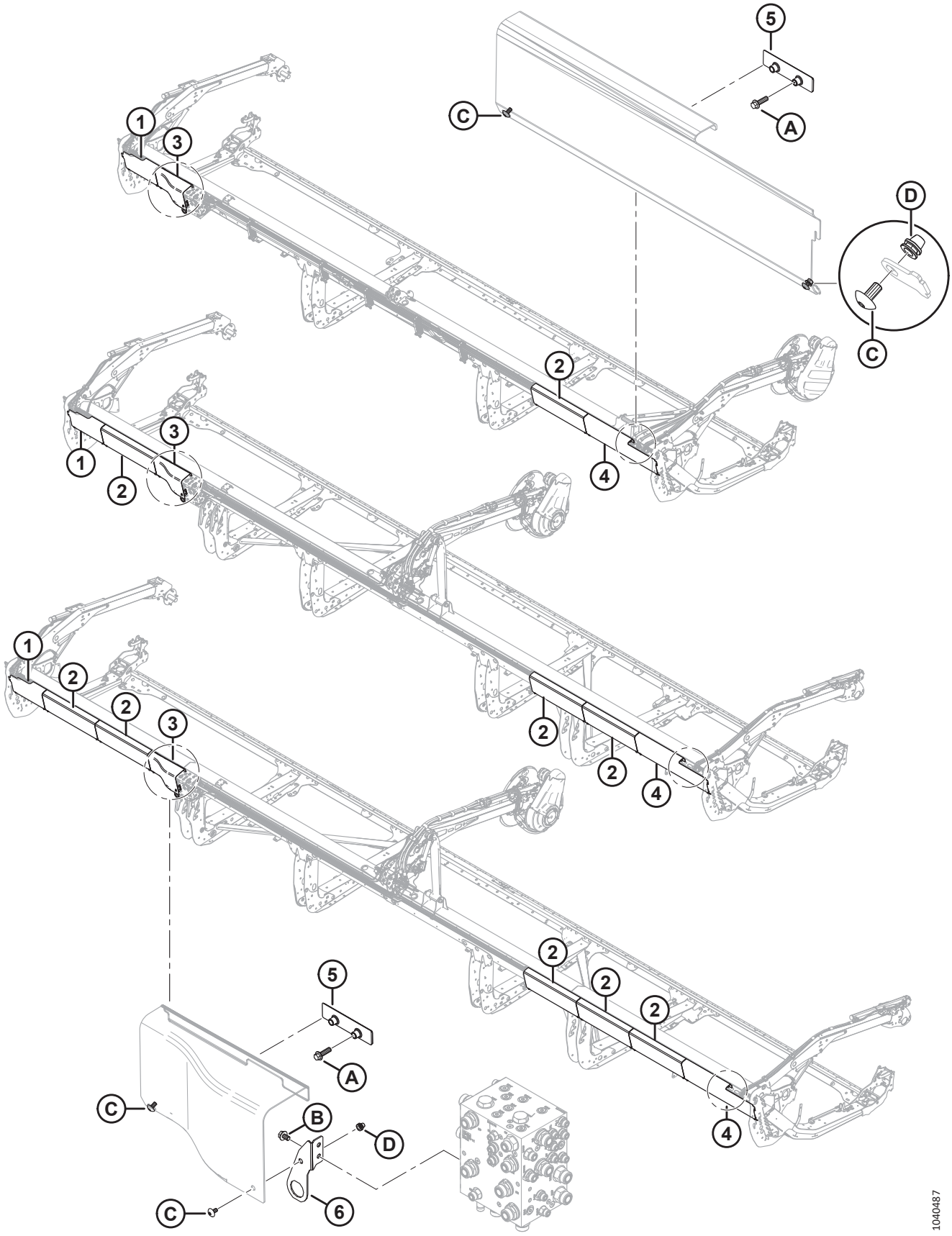


HYDRAULIC LINE COVERS – CENTER

Ref	Part Number	Description	Qty	Serial Number
1	283697	COVER – HYD MANIFOLD, RH	1	
2	323170	COVER – HYD PLASTIC	2	
3	323918	COVER – HYD RIGID OUTER CENTER	2	
4	323168	COVER – HYD RIGID CENTER PLASTIC	1	
5	283849	BRACKET – HYD COVER SUPPORT	1	
6	323773	ASSY – RH SHIELD BRACKET [215]	1	
7	283820	CLAMP – LINE BOTTOM RH	5	
8	283818	CLAMP – LINE MIDDLE RH	5	
9	340549	KIT – RH TOP LINE CLAMP [216]	5	
10	312654	STUD – THRD CLAMP PATCH WING	10	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T		
D	320448	RIVNUT – M8 X 1.25 HEX		
E	136442	NUT – HEX THIN M10 X 1.5-05-AA1J		
F	184692	NUT – HEX NYLOC M10 X 1.5-8-AA1J		

215. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
216. Includes RH top line clamp (NSS) and two Torx screws (MD #320336).

75 Hydraulic Line Covers (D225, D230, and D235)

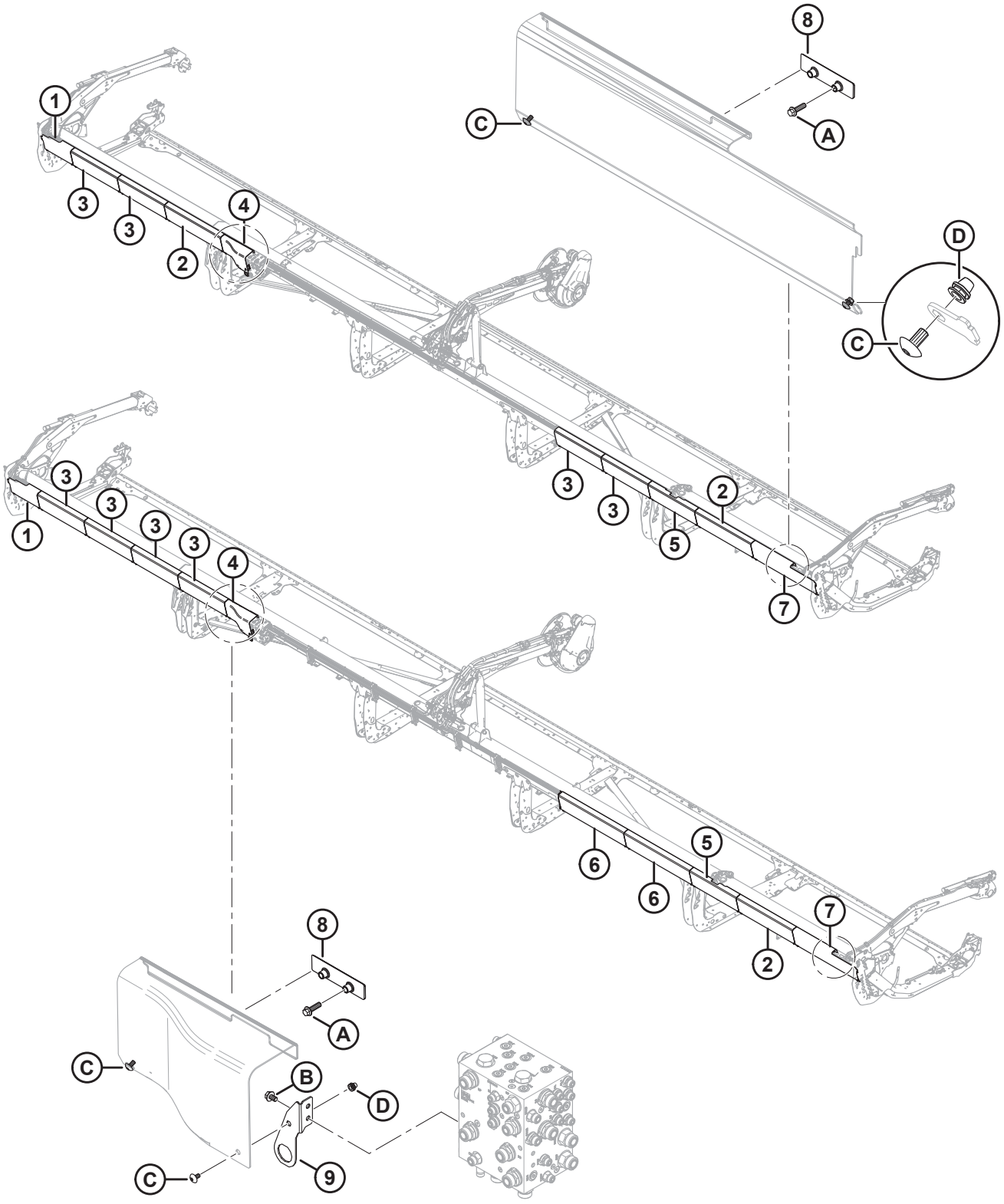


HYDRAULIC LINE COVERS (D225, D230, AND D235)

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323169	COVER – HYD COMMON PLASTIC [217]		
3	323795	COVER – HYD MANIFOLD LH	1	
4	323166	COVER – HYD RH END PLASTIC	1	
5	283849	BRACKET – HYD COVER SUPPORT	2	
6	323772	ASSY – CONNECTOR BRACKET [218]	1	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T [219]		
D	320448	RIVNUT – M8 X 1.25 HEX		

217. Quantities: D225 = 1, D230 = 3, and D235 = 5.
218. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
219. Quantities: D225 = 8, D230 = 12, and D235 = 16.

76 Hydraulic Line Covers (D241 and D245)

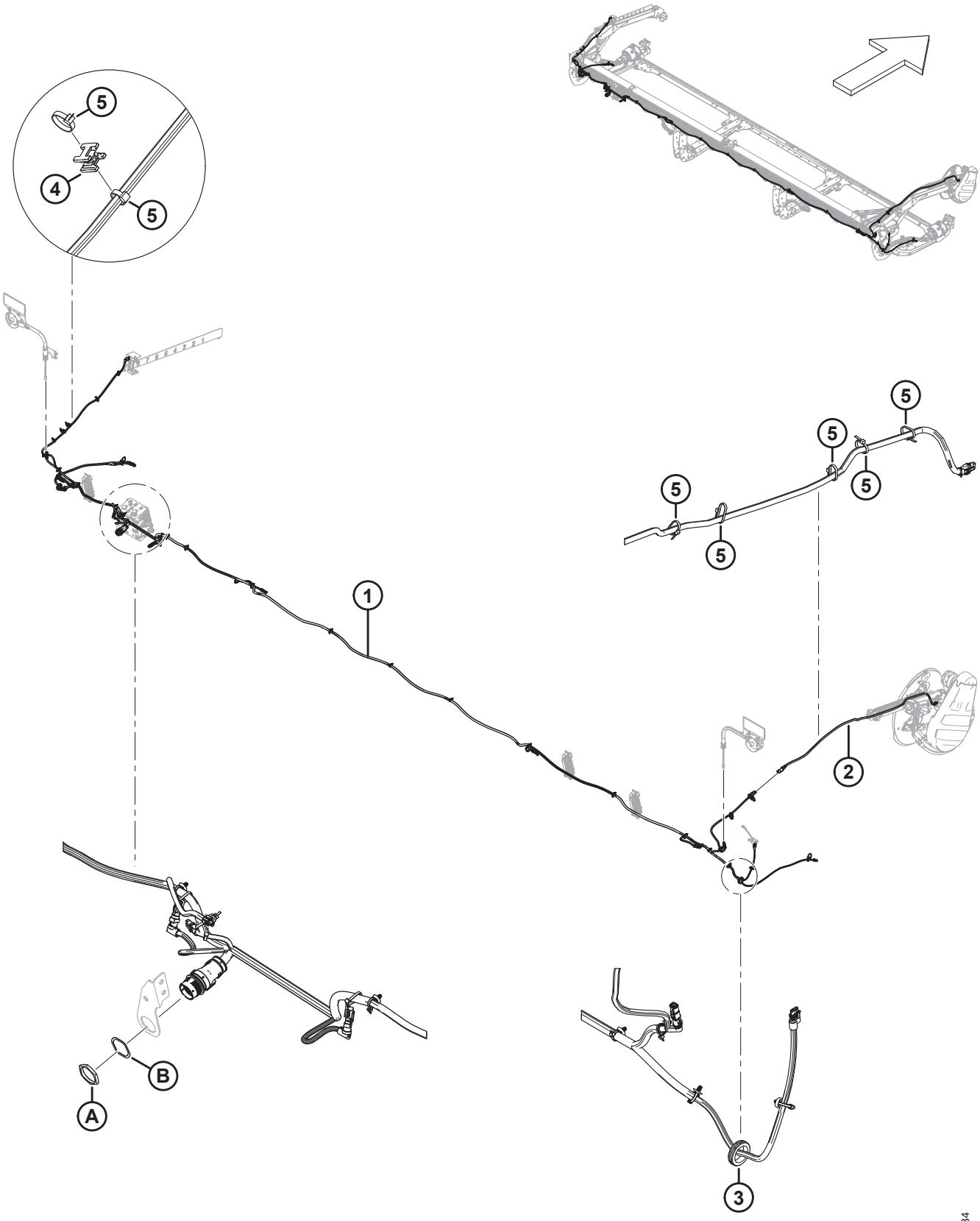


HYDRAULIC LINE COVERS (D241 AND D245)

Ref	Part Number	Description	Qty	Serial Number
1	323164	COVER – HYD LH END PLASTIC	1	
2	323172	COVER – HYD LONG PLASTIC [220]		
3	323169	COVER – HYD COMMON PLASTIC [221]		
4	323795	COVER – HYD MANIFOLD LH	1	
5	323165	COVER – HYD SPLIT PLASTIC [222]		
6	323171	COVER – HYD WIDE PLASTIC [223]		
7	323166	COVER – HYD RH END PLASTIC	1	
8	283849	BRACKET – HYD COVER SUPPORT	2	
9	323772	ASSY – CONNECTOR BRACKET [224]	1	
A	136211	BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	320336	SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T [225]		
D	320448	RIVNUT – M8 X 1.25 HEX		

220. Quantities: D241 = 2, D245 = 1.
221. Quantities: D241 = 4, D245 = 4.
222. Quantities: D241 = 1, D245 = 1.
223. Quantities: D241 = 0, D245 = 2.
224. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
225. Quantities: D241 = 20, D245 = 22.

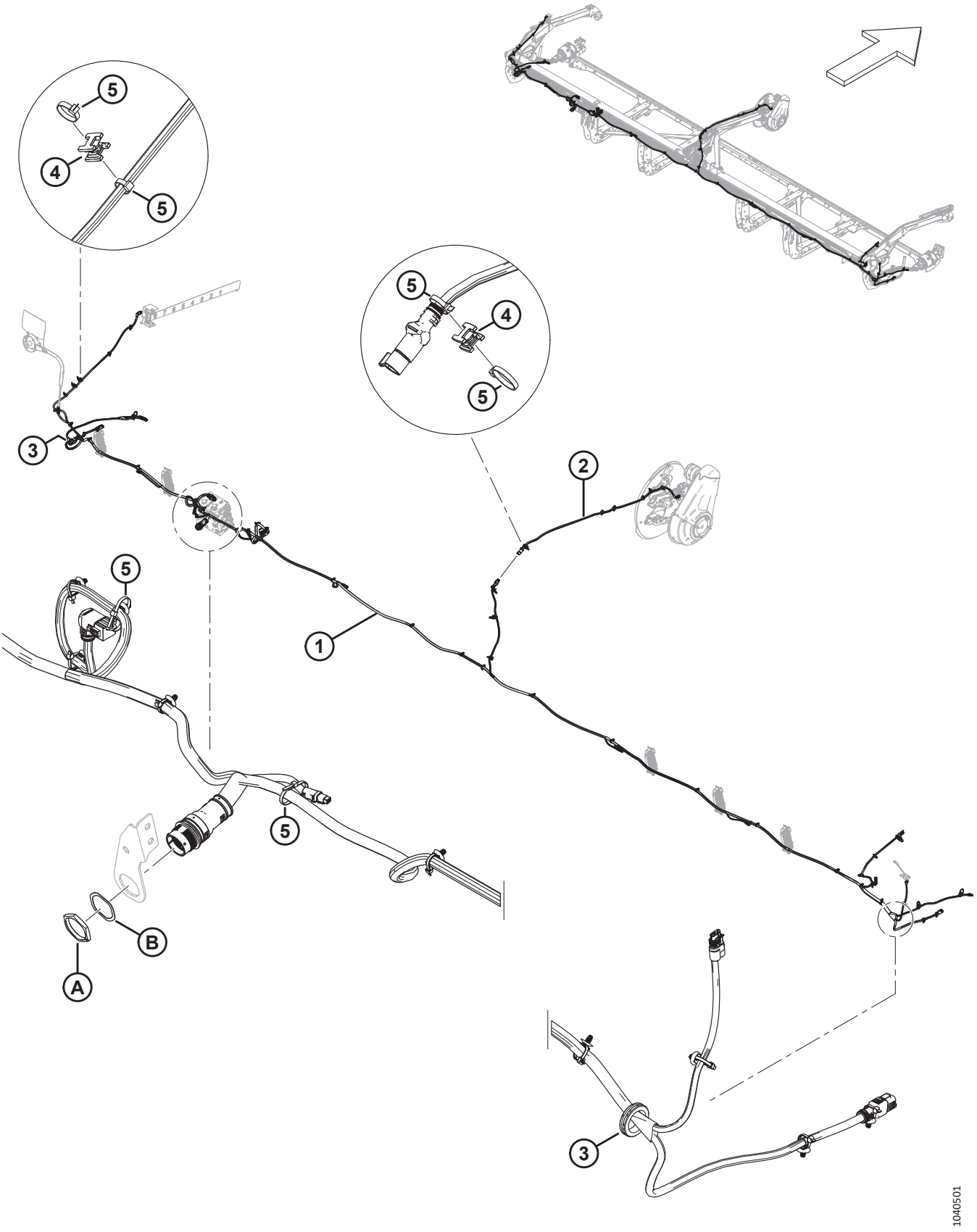
77 Electrical – Harness (D225)



Ref	Part Number	Description	Qty	Serial Number
1	323039	HARNESS – D225, MAIN [226]	1	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323130	GROMMET – RUBBER	1	
4	134442	SPACER – DUAL SWIVEL SADDLE	9	
5	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

226. The harness comes complete with all fir tree fasteners (MD #136655) attached.

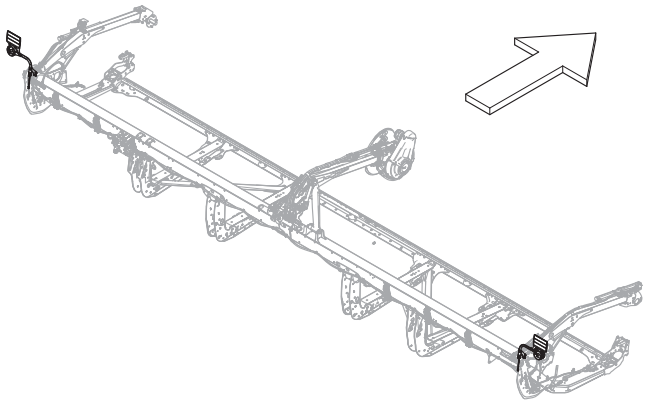
78 Electrical – Harness (D230, D235, D241, and D245)

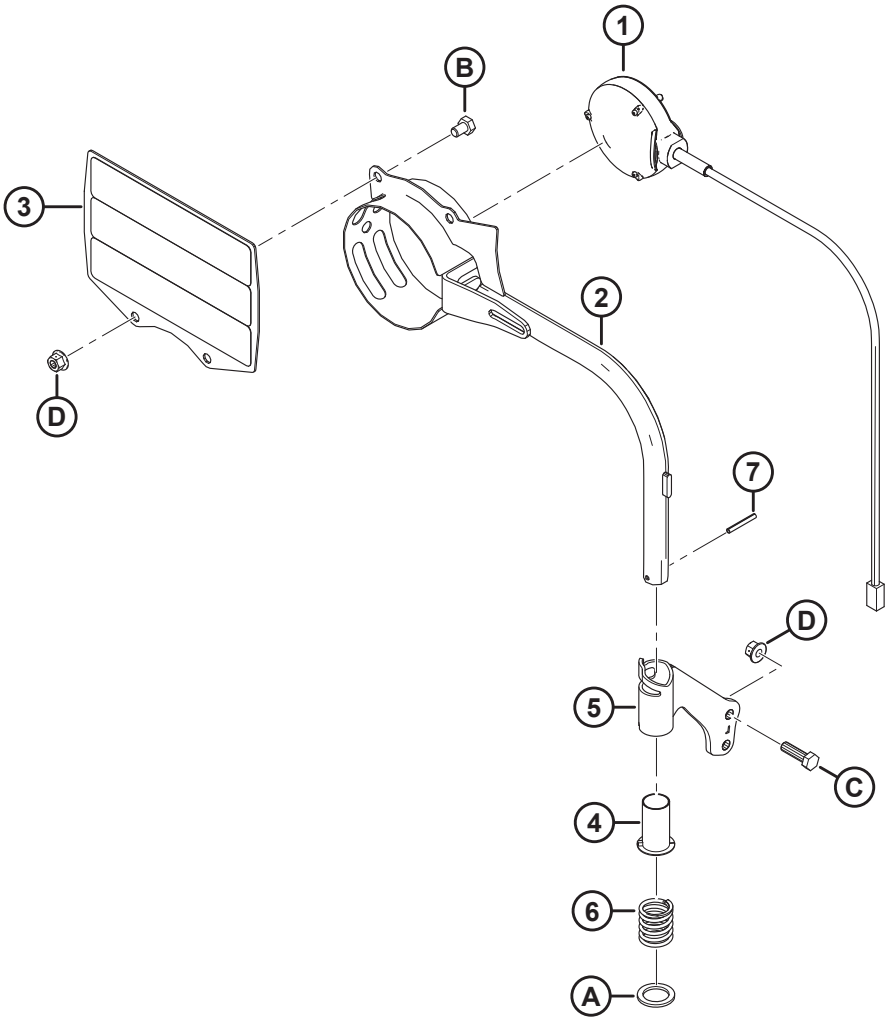


Ref	Part Number	Description	Qty	Serial Number
1	323040	HARNESS – D230, MAIN [227]	1	
	323041	HARNESS – D235, MAIN [227]	1	
	323042	HARNESS – D241, MAIN [227]	1	
	323043	HARNESS – D245, MAIN [227]	1	
	136655	FASTENER – FIR TREE MT W/ TIE	A/R	
2	323145	HARNESS – HDR EXT. REEL ARM	1	
3	323130	GROMMET – RUBBER	2	
4	134442	SPACER – DUAL SWIVEL SADDLE [228]		
5	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
A	134728	NUT – PANEL, HDP 20, SIZE 24		
B	134730	WASHER – LOCK, HDP 20, SIZE 24		

227. The harness comes complete with all fir tree fasteners (MD #136655) attached.
228. Quantities: D230 = 12, D235 = 10, D241 = 9, D245 = 9.

79 Electrical – Clearance Lights



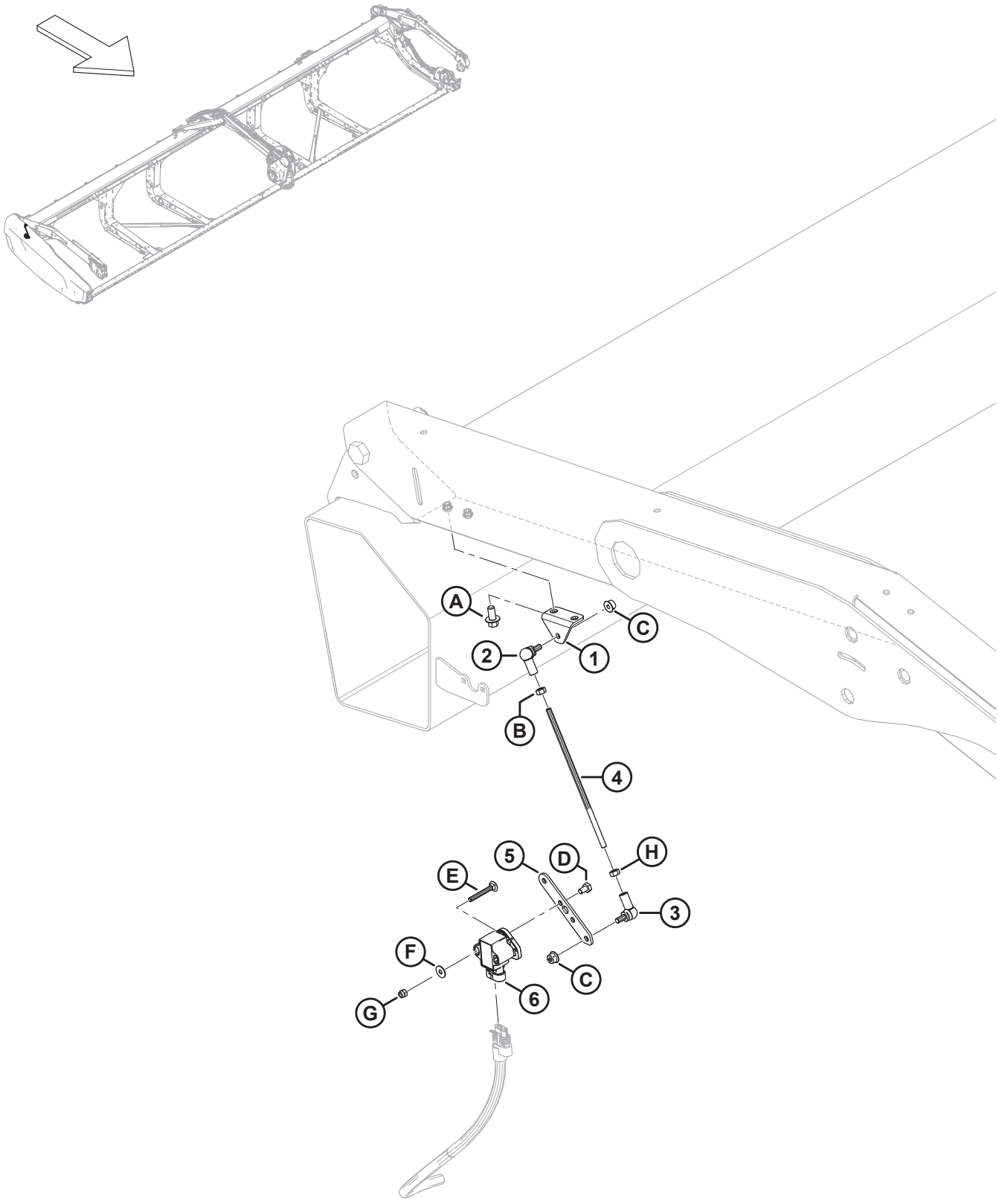


1040539

Ref	Part Number	Description	Qty	Serial Number
1	313940	LIGHT – MARKER, AMBER	2	
2	313192	WELDT – CLEARANCE LIGHT	2	
3	313644	ASSY – RIGID REFLECTOR [229]	2	
4	233912	BUSHING	2	
5	233914	ASSY – LH TUBE MOUNT [230]	1	
	233913	ASSY – RH TUBE MOUNT [230]	1	
6	313064	SPRING – COMPRESSION	2	
7	7642	PIN – SPRING 3/16 DIA X 1.5 LG	2	
A	320248	WASHER – FLAT		
B	50071	BOLT – HEX HD TFL M10 X 1.5 X 15-8.8-AA1J		
C	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

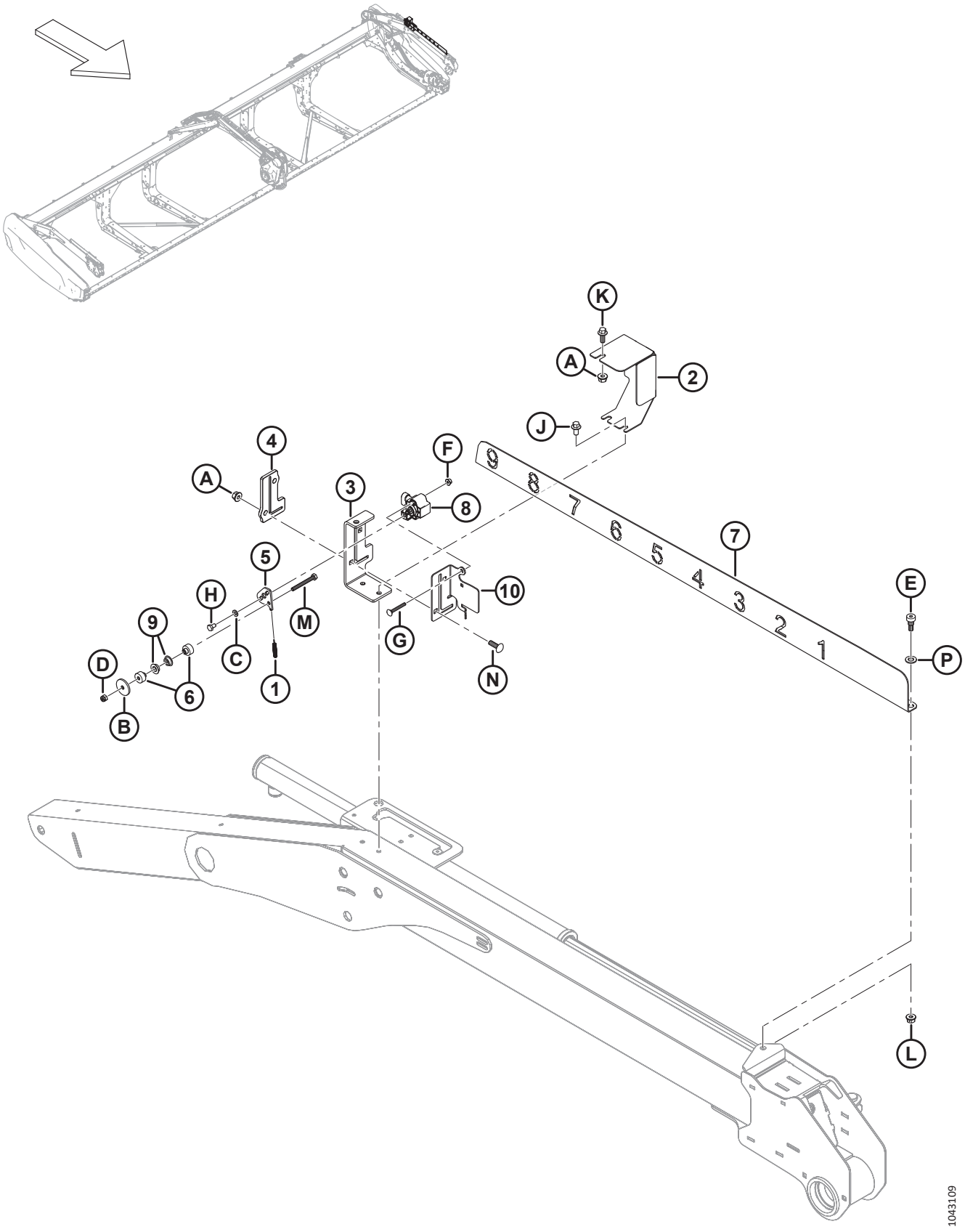
229. The reflector assembly includes two reflectors (MD #307727).
230. The tube mount assembly includes bushing (MD #233912).

80 Electrical – Reel Height Sensor



Ref	Part Number	Description	Qty	Serial Number
1	251881	BRACKET	1	
2	291484	BALL JOINT – RH THREAD	1	
3	291485	BALL JOINT – LH THREAD	1	
4	232676	ROD – THREADED	1	
5	251879	ARM – FLOAT SENSOR	1	
6	248643	ROTARY SENSOR – DUAL OUTPUT	1	
A	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
B	184683	NUT – HEX ISO 4032 M6 X 1-8-ZINC		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
E	136604	BOLT – RHSN TFL M5 X 0.8 X 40-8.8-AA1J		
F	184701	WASHER – FLAT LARGE M5-200HV		
G	197230	NUT – HEX NYLOC M5 X 0.8-8-AA1J		
H	136613	NUT – HEX LH ISO 4032 M6 X 1-8 ZINC		

81 Electrical – Reel Fore-Aft Sensor (2023 and Prior)



NOTE:

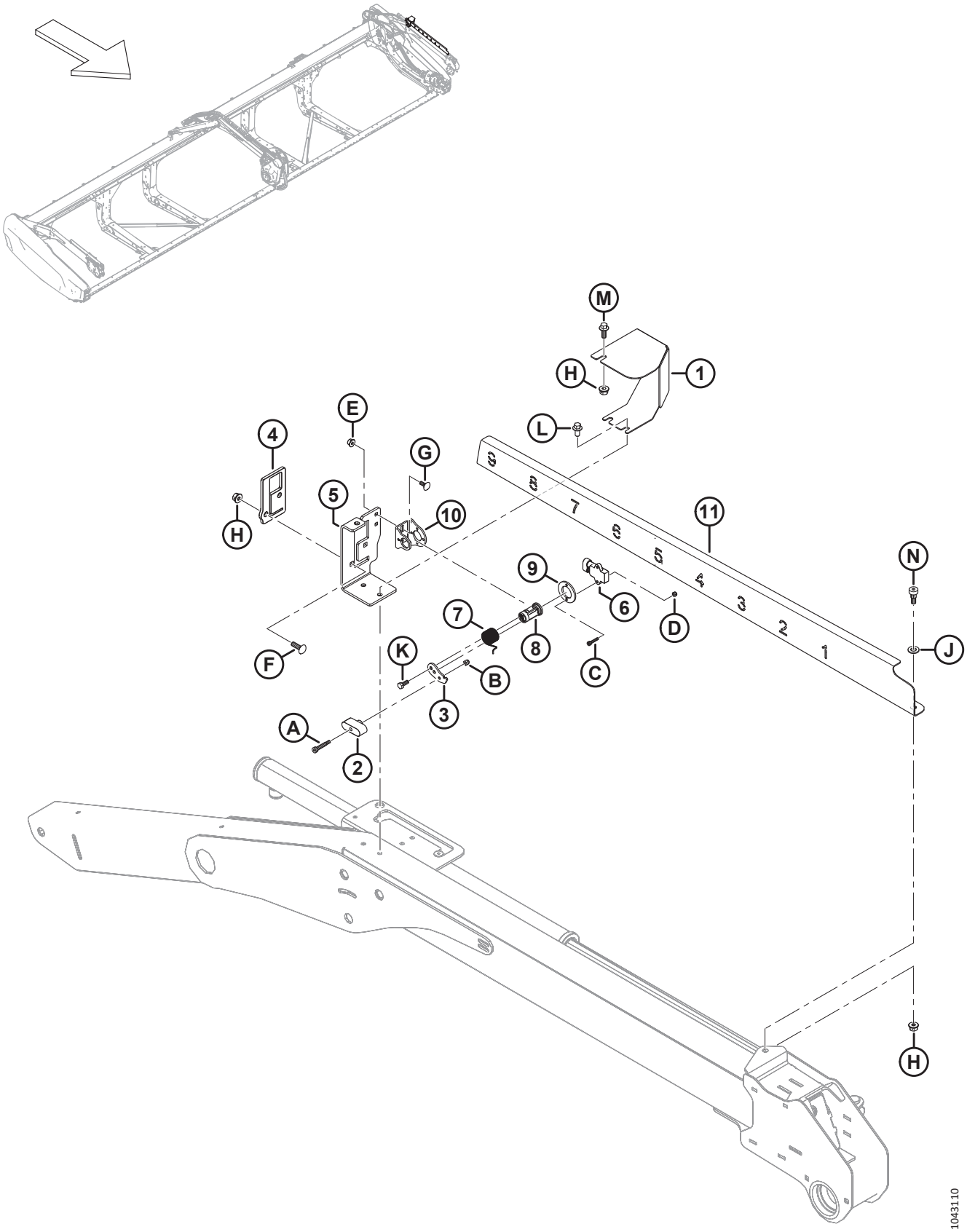
Unless otherwise stated, the parts and hardware listed in this section are used to service units made in model year 2023 and prior.

Ref	Part Number	Description	Qty	Serial Number
1	328556	SPRING – EXTENSION [231]	1	**–486189**
2	328547	COVER – F/A SENSOR [232]	1	**–486189**
3	340218	SUPPORT – REEL F/A INDICATOR [232]	1	**–486189**
4	311318	GUIDE – REEL F/A [232]	1	**–486189**
5	328539	ARM – F/A SENSOR [231]	1	**–486189**
6	328534	SPACER – SENSOR BUSHING [231]	**2**	**–486189**
7	**323937**	**INDICATOR – REEL F/A** [232]	**1**	**–486189**
8	248643	ROTARY SENSOR – DUAL OUTPUT	1	**–486189**
9	206340	BUSHING – SHOULDER, M10	**2**	**–486189**
10	340183	PLATE – SENSOR SUPPORT [232]	1	**–486189**
A	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
B	**43219**	**WASHER – FLAT**		
C	184705	WASHER – FLAT M6-200HV-AA1J		
D	184685	NUT – HEX NYLOC M6 X 1-8-AA1J		
E	**135894**	**SCREW– HEX SOC HD SHLDR M10**		
F	136635	NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J		
G	197229	BOLT – RHSN TFL M5 X 0.8 X 35-4.6-AA1J		
H	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
J	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
K	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
L	**135337**	**NUT – HEX FLG CTR LOC M8 X 1.25-8-AA1J**		
M	**136595**	**BOLT – HEX HD TFL M6 X 1 X 55-8.8-AA1J**		
N	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
P	**184711**	**WASHER – FLAT REG M10-200HV-AA1J**		

231. Service part only for model year 2023 and prior units.

232. Superseded by Reel Fore-Aft Sensor kit (MD #368338) for model year 2024. For service parts, refer to Section *82 Electrical – Reel Fore-Aft Sensor (2024 and Later), page 179*.

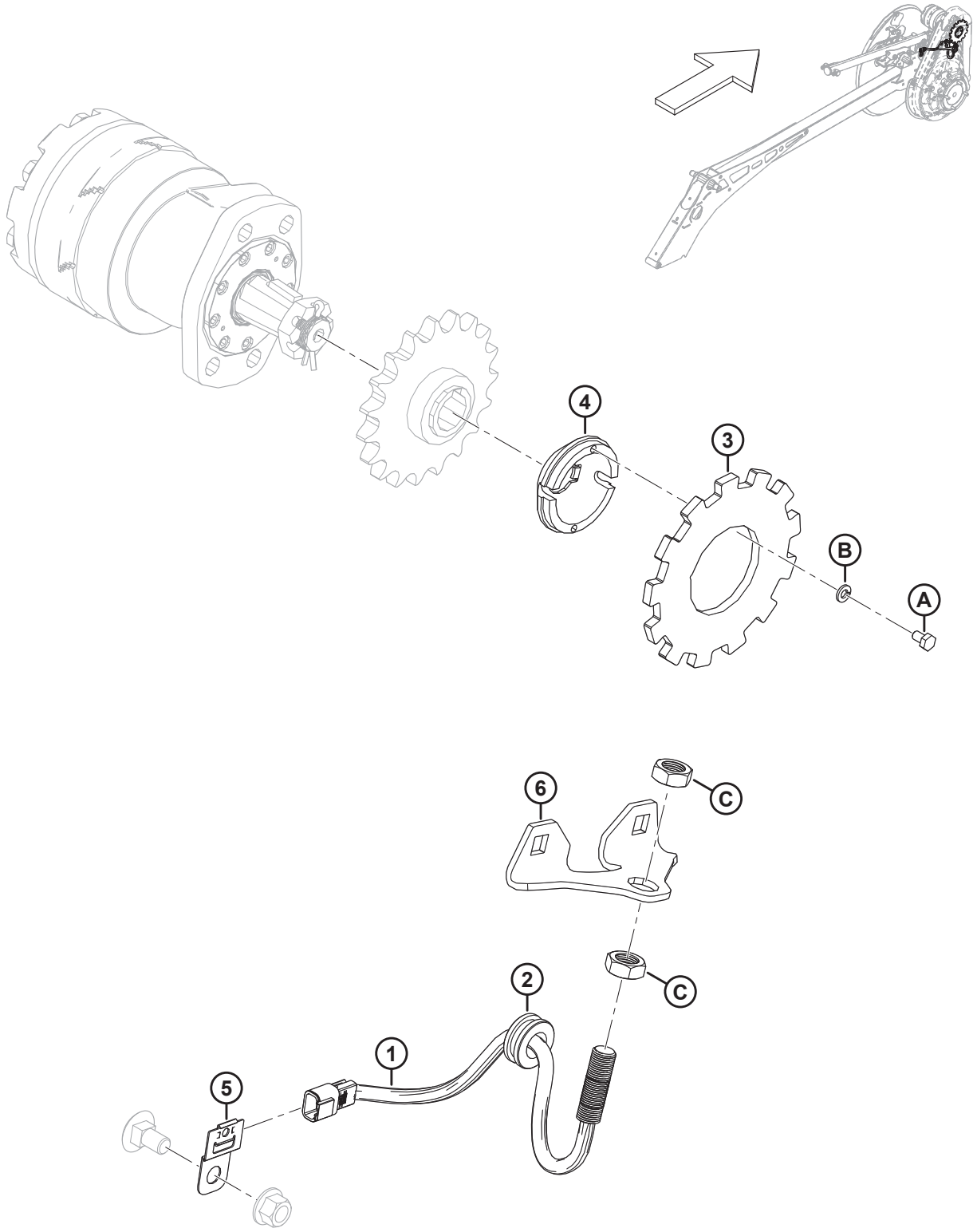
82 Electrical – Reel Fore-Aft Sensor (2024 and Later)



Ref	Part Number	Description	Qty	Serial Number
	368338	KIT – FORE AFT SENSOR [233]	A/R	
1	368239	COVER – FORE AFT SENSOR	1	486190–
2	360840	SLIDER – FORE/AFT	1	486190–
3	340956	ARM – SENSOR	1	486190–
4	360828	GUIDE – REEL F/A	1	486190–
5	360824	SUPPORT – REEL F/A INDICATOR	1	486190–
6	500303	SENSOR – ROTARY DUAL CONTACTLESS	1	486190–
7	360212	SPRING – TORSION	1	486190–
8	352163	ASSY – SENSOR PIVOT	1	486190–
9	352001	SPACER – SENSOR	1	486190–
10	340955	SUPPORT – SENSOR	1	486190–
11	360823	INDICATOR – REEL F/A	1	486190–
A	320409	SCREW – HEX SOC HD SHLDR 6 X 25-M5 X 0.8 X 9.5-12.9-ZINC		
B	197230	NUT – HEX NYLOC M5 X 0.8-8-AA1J		
C	320410	SCREW – HEX SOC HD M4 X 0.7X20-A2SS		
D	320390	NUT – HEX NYLOC M4 X 0.7-8-A2-SS		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	136824	BOLT – RHSSN M8 X 1.25 X 25-8.8-AA1J		
G	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	184711	WASHER – FLAT REG M10-200HV-AA1J		
K	184642	BOLT – HEX HD TFL M6 X 1 X 16-8.8-AA1J		
L	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
M	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
N	135894	SCREW – HEX SOC HD SHLDR M10		

233. The Fore-Aft Sensor kit (MD #368338) is used to upgrade model year 2023 and prior units to the model year 2024 reel fore-aft sensor design. The kit includes all parts and hardware listed in this section, and instructions.

83 Electrical – Reel Speed Sensor, AGCO and CLAAS



1034891

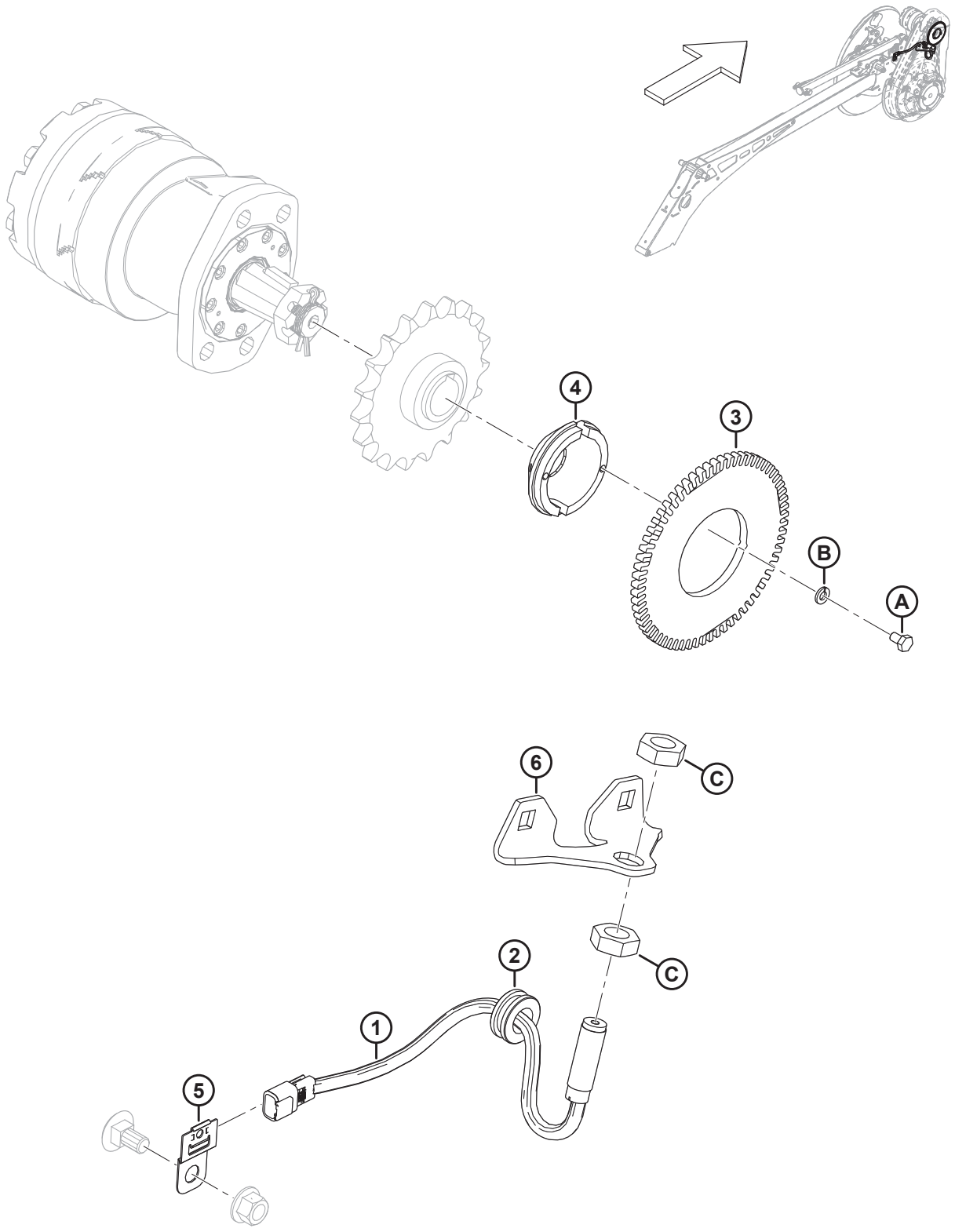
NOTE:

13-tooth reel speed sensor option (B7065) shown, 65-tooth reel speed sensor option (B7064) is similar.

Ref	Part Number	Description	Qty	Serial Number
	B7065	KIT – REEL SPEED SENSOR 13T [234]		
	B7064	**KIT – REEL SPEED SENSOR 65T** [235]		
1	136167	SENSOR – SPEED [236]	1	
	328329	**SENSOR – SPEED MODIFIED** [237]	**1**	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228473	DISC – 13T REEL SPEED SENSOR [238]	1	
	228471	**DISC – 65T REEL SPEED SENSOR** [239]	**1**	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	328662	SUPPORT – REEL SPEED SENSOR	1	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		

234. 13-Tooth Reel Speed Sensor kit (B7065) is used for CLAAS combines, and Challenger®, Massey Ferguson®, and IDEAL™ Series combines only. Kits are available through Whole Goods only.
235. 65-Tooth Reel Speed Sensor kit (B7064) is used for Gleaner® Combines only. Kits are available through Whole Goods only.
236. Speed sensor (MD #136167) is used in 13-Tooth Reel Speed Sensor kit (B7065). The speed sensor includes hex jam nuts (NSS).
237. Speed sensor (MD #328329) is used in 65-Tooth Reel Speed Sensor kit (B7064).
238. 13-tooth disc (MD #228473) is used in 13-Tooth Reel Speed Sensor kit (B7065).
239. 65-tooth disc (MD #228471) is used in 65-Tooth Reel Speed Sensor kit (B7064).

84 Electrical – Reel Speed Sensor, John Deere



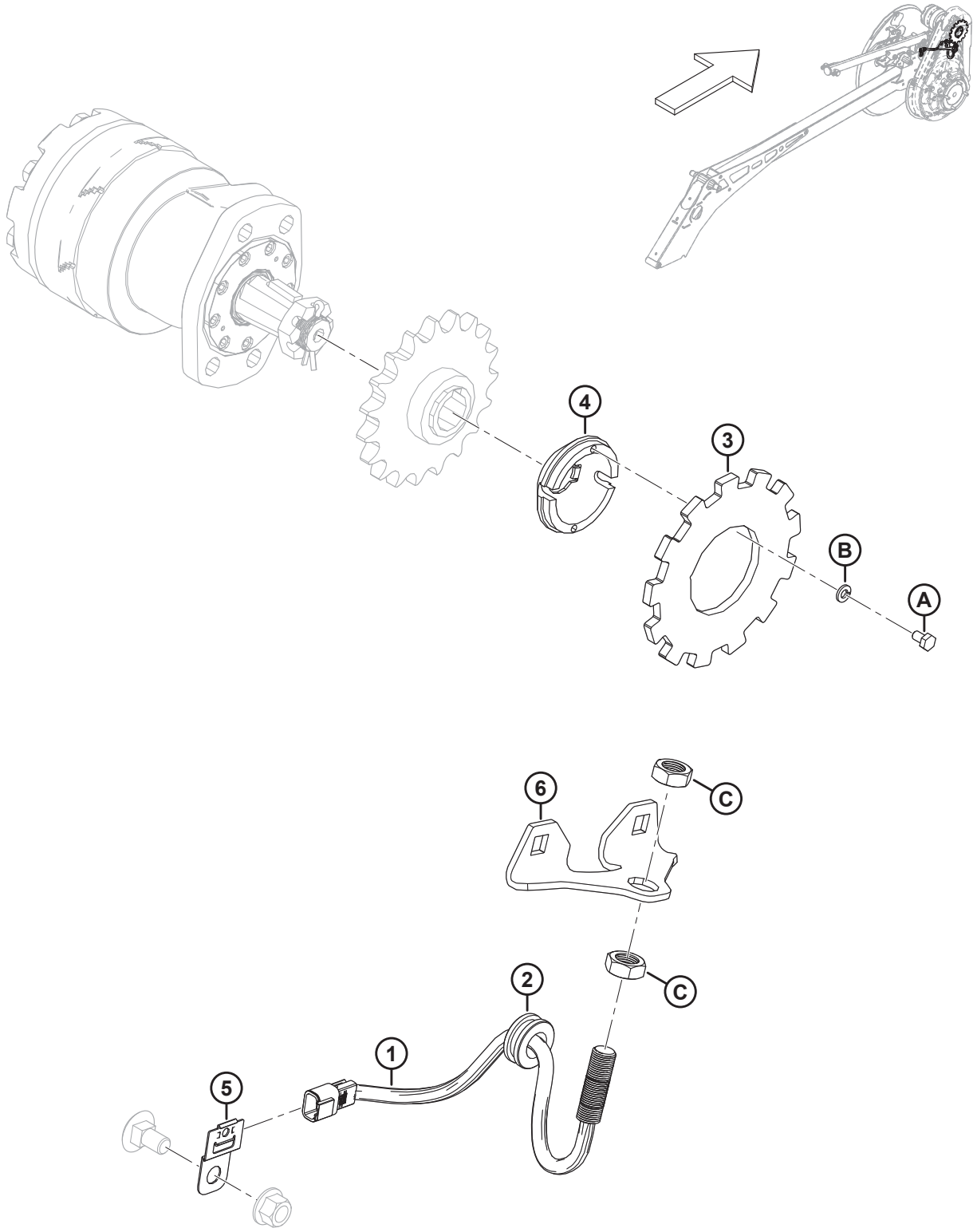
NOTE:

65-tooth reel speed sensor option (B7064) shown, 13-tooth reel speed sensor option (B7065) is similar.

Ref	Part Number	Description	Qty	Serial Number
	B7064	KIT – REEL SPEED SENSOR 65T [240]		
	B7065	**KIT – REEL SPEED SENSOR 13T** [241]		
1	328329	SENSOR – SPEED MODIFIED [242]	1	
	136167	**SENSOR – SPEED** [243]	**1**	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228471	DISC – 65T REEL SPEED SENSOR [244]	1	
	228473	**DISC – 13T REEL SPEED SENSOR** [245]	**1**	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	328662	SUPPORT – REEL SPEED SENSOR	1	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		

240. 65-Tooth Reel Speed Sensor kit (B7064) is used for John Deere S and T Series combines only. Kits are available through Whole Goods only.
241. 13-Tooth Reel Speed Sensor kit (B7065) is used for John Deere X9 Series combines only. Kits are available through Whole Goods only.
242. Speed sensor (MD #328329) is used in 65-Tooth Reel Speed Sensor kit (B7064).
243. Speed sensor (MD #136167) is used in 13-Tooth Reel Speed Sensor kit (B7065). The speed sensor includes hex jam nuts (NSS).
244. 65-tooth disc (MD #228471) is used in 65-Tooth Reel Speed Sensor kit (B7064).
245. 13-tooth disc (MD #228473) is used in 13-Tooth Reel Speed Sensor kit (B7065).

85 Electrical – Reel Speed Sensor, Rostselmash

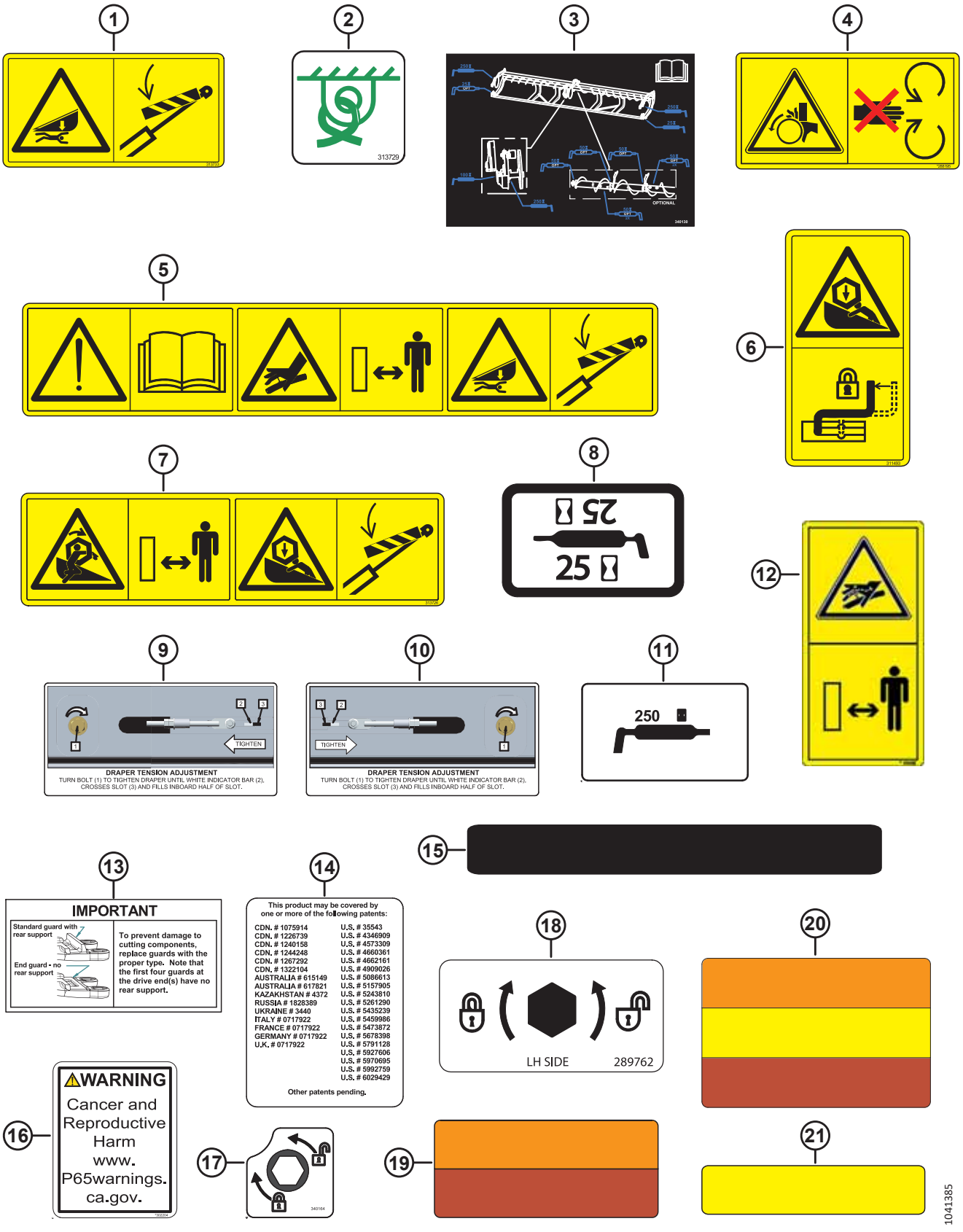


1039514

Ref	Part Number	Description	Qty	Serial Number
	B7408	KIT – REEL SPEED SENSOR SPCL 13T [246]		
1	328329	SENSOR – SPEED MODIFIED	1	
2	273032	GROMMET – 3/4 IN. I.D. 1-3/8 IN. O.D.	1	
3	228473	DISC – 13T REEL SPEED SENSOR	1	
4	228470	HUB – SENSOR	1	
5	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
6	328662	SUPPORT – REEL SPEED SENSOR	1	
A	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
B	30631	WASHER – LOCK SPRING M6		
C	7674	NUT – HEX JAM 3/4-16 UNF GR5 AA1J		

246. Kits are available through Whole Goods only.

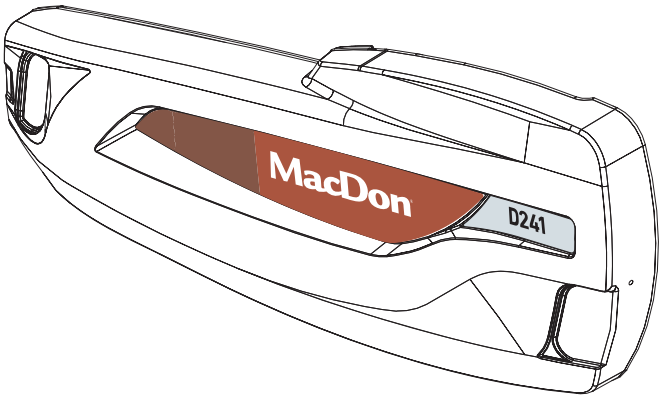
86 Decals and Reflectors – D2 Series

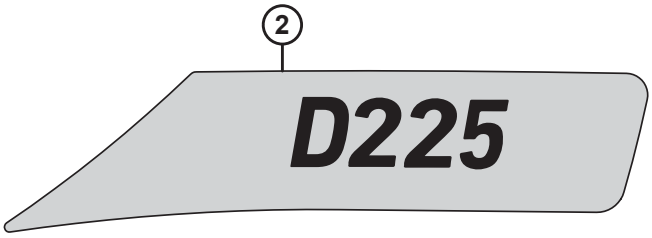


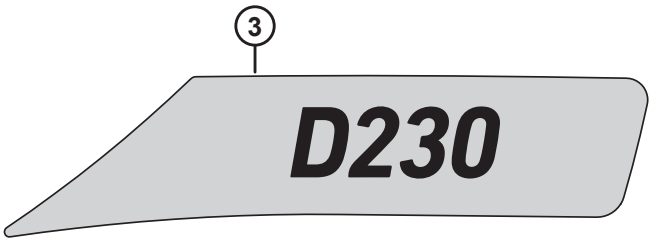
Ref	Part Number	Description	Qty	Serial Number
1	313733	DECAL – HEADER HAZARD		
2	313729	DECAL – TIE DOWN		
3	313768	DECAL – GREASE, SR, 2PC AUGER RIGID		
	340129	DECAL – GREASE, DR, 2PC AUGER RIGID		
	340130	DECAL – GREASE, DR, 3PC AUGER RIGID		
4	288195	DECAL – ROTATING PART		
5	313725	DECAL – MANUAL/HPF/HAZARD		
6	311493	DECAL – CENTER REEL PROP LOCK		
7	360541	DECAL – REEL ENTANGLEMENT/HAZARD		
8	23164	DECAL – 25 HR LUBE		
	115759	DECAL – GREASE 100 HR		
9	279528	DECAL – RH DRAPER TENSION		
10	220084	DECAL – LH DRAPER TENSION		
11	323516	DECAL – GREASE (250 HRS)		
12	174436	DECAL – HIGH PRESSURE FLUID		
13	129313	DECAL – IMPORTANT: GUARDS		
14	32070	DECAL – PATENT NUMBER		
15	132117	STRIP – ANTI SLIP		
16	**302204**	**DECAL – CA PROPOSITION 65**		
17	340164	DECAL – CAM LATCH		
18	289762	DECAL – DIVIDER LATCH-LH		
	289763	DECAL – DIVIDER LATCH-RH		
19	313787	REFLECTOR – RED/ORANGE, 230 MM [247]		
	273873	REFLECTOR – DOUBLE-RED/ORANGE, 655 MM (8 IN. CENTER TUBE) [248]		
20	307727	REFLECTOR (CLEARANCE LIGHTS) [249]		
21	115146	REFLECTOR – AMBER, 230 MM		
	273440	REFLECTOR – AMBER, 655 MM (8 IN. CENTER TUBE) [248]		
	165524	REFLECTOR – RED, 230 MM [250]		

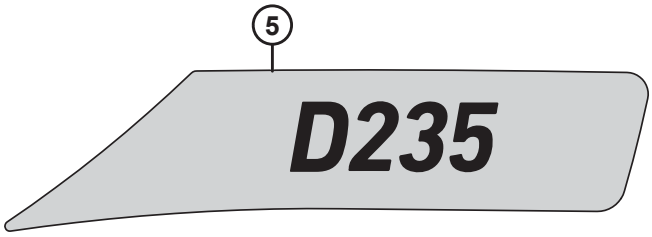
247. The reflector is used for plastic/PVC surfaces.
248. The reflector is used on the reel center tubes.
249. The reflector is used on the clearance light.
250. The reflector is used on the right header endshield.

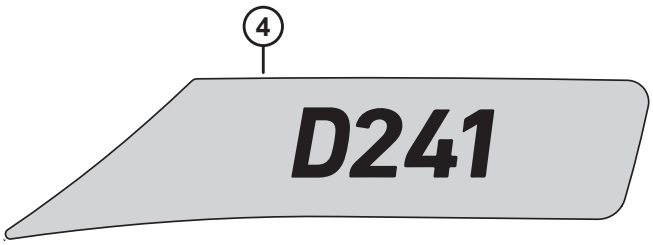
87 Decals – Product Identification

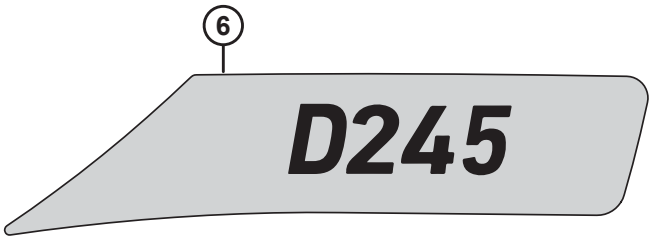








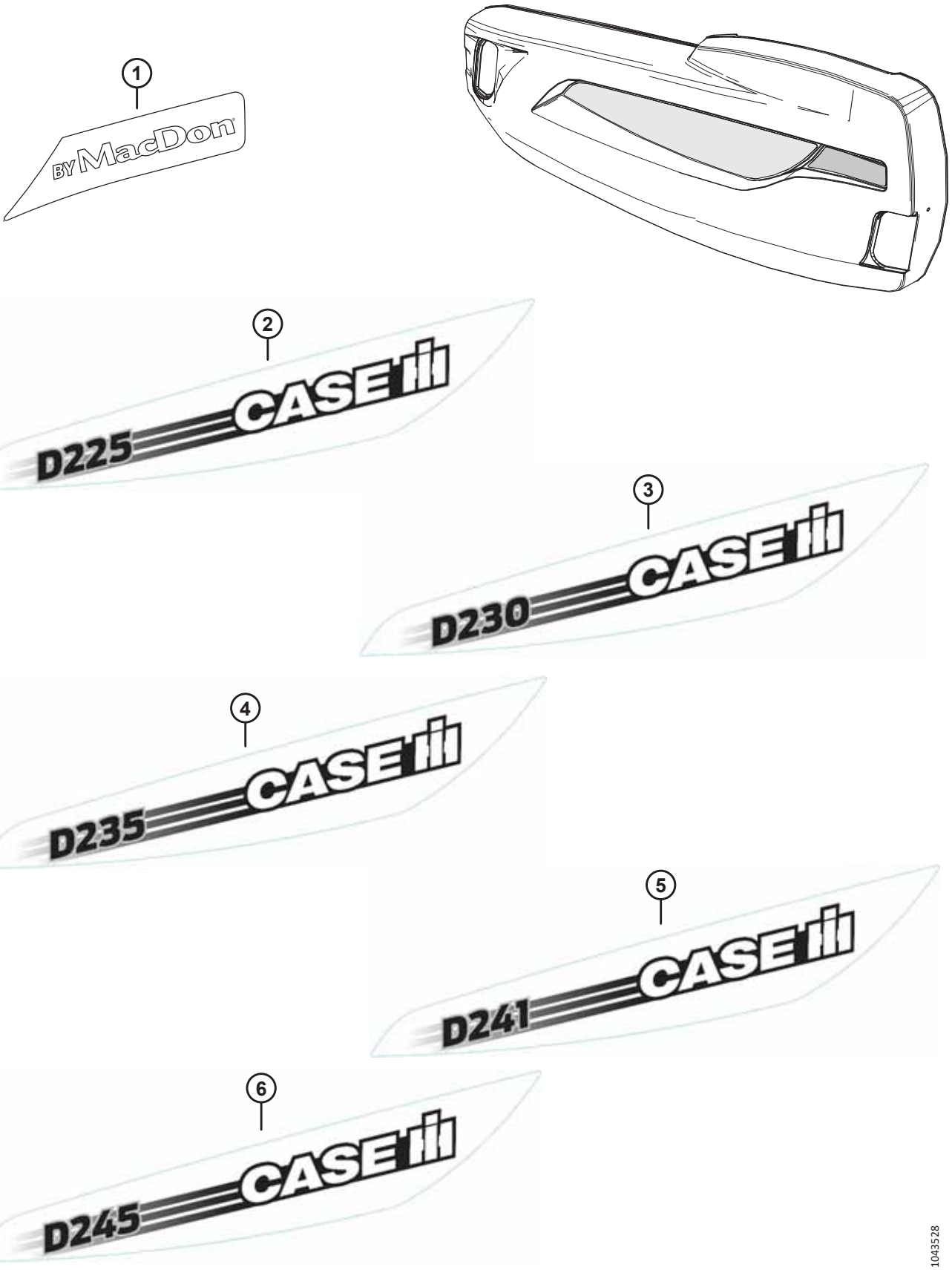




1040653

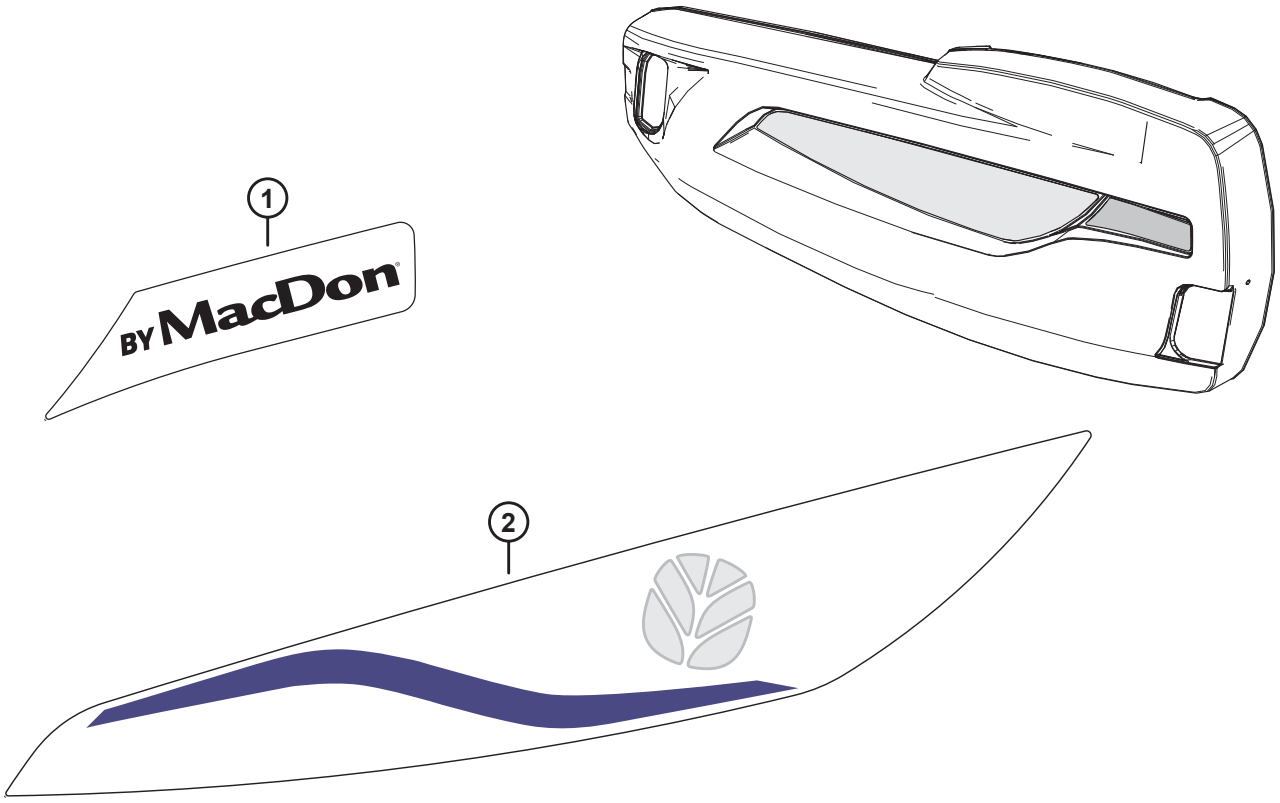
Ref	Part Number	Description	Qty	Serial Number
1	313421	DECAL – MACDON RED, LH	1	
	313422	DECAL – MACDON RED, RH	1	
	313554	DECAL – MACDON GREEN, LH	1	
	313555	DECAL – MACDON GREEN, RH	1	
	313580	DECAL – MACDON YELLOW, LH	1	
	313581	DECAL – MACDON YELLOW, RH	1	
	313574	DECAL – MACDON GREY, LH	1	
	313575	DECAL – MACDON GREY, RH	1	
2	313423	DECAL – D225 MODEL NUMBER, LH	1	
	313424	DECAL – D225 MODEL NUMBER, RH	1	
3	313531	DECAL – D230 MODEL NUMBER, LH	1	
	313532	DECAL – D230 MODEL NUMBER, RH	1	
4	313533	DECAL – D235 MODEL NUMBER, LH	1	
	313534	DECAL – D235 MODEL NUMBER, RH	1	
5	313535	DECAL – D241 MODEL NUMBER, LH	1	
	313536	DECAL – D241 MODEL NUMBER, RH	1	
6	313539	DECAL – D245 MODEL NUMBER, LH	1	
	313540	DECAL – D245 MODEL NUMBER, RH	1	

88 Decals – Product Identification, Case



Ref	Part Number	Description	Qty	Serial Number
1	368422	DECAL – BY MACDON CIH RED, LH	1	
	368423	DECAL – BY MACDON CIH RED, RH	1	
2	368412	DECAL – D225 CIH, LH	1	
	368413	DECAL – D225 CIH, RH	1	
3	368414	DECAL – D230 CIH, LH	1	
	368415	DECAL – D230 CIH, RH	1	
4	368416	DECAL – D235 CIH, LH	1	
	368417	DECAL – D235 CIH, RH	1	
5	368418	DECAL – D241 CIH, LH	1	
	368419	DECAL – D241 CIH, RH	1	
6	368420	DECAL – D245 CIH, LH	1	
	368421	DECAL – D245 CIH, RH	1	

89 Decals – Product Identification, New Holland



1043531

Ref	Part Number	Description	Qty	Serial Number
1	**368424**	**DECAL – BY MACDON NH YEL, LH**	**1**	
	368425	**DECAL – BY MACDON NH YEL, RH**	**1**	
2	**368386**	**DECAL – NH YELLOW, LH**	**1**	
	368394	**DECAL – NH YELLOW, RH**	**1**	
3	360414	DECAL – D225 NH MODEL NBR	1	
4	360415	DECAL – D230 NH MODEL NBR	1	
5	360416	DECAL – D235 NH MODEL NBR	1	
6	360417	DECAL – D241 NH MODEL NBR	1	
7	360418	DECAL – D245 NH MODEL NBR	1	

90 Decals – French

1

2

3

4

1036707

DECALS – FRENCH

Ref	Part Number	Description	Qty	Serial Number
1	340049	DECAL – OIL, IMPORTANT, FRENCH		
2	245433	DECAL – IMPORTANT: GUARDS, FRENCH		
3	245432	DECAL – RH DRAPER TENSION, FRENCH		
4	245428	DECAL – LH DRAPER TENSION, FRENCH		

91 Decals – Portuguese

1

2

3

4

1036719

DECALS – PORTUGUESE

Ref	Part Number	Description	Qty	Serial Number
1	340051	DECAL – OIL, IMPORTANT, PORTUGUESE		
2	220817	DECAL – IMPORTANT: GUARDS, PORTUGUESE		
3	220836	DECAL – RH DRAPER TENSION, PORTUGUESE		
4	220824	DECAL – LH DRAPER TENSION, PORTUGUESE		

92 Decals – Russian

РЕГУЛИРОВКА НАТЯЖЕНИЯ ПОЛОТНА
ПОВОРАЧИВАЙТЕ БОЛТ (1) ДЛЯ НАТЯЖЕНИЯ ПОЛОТНА ПОКА БЕЛЫЙ ИНДИКАТОР (2), НЕ ПЕРЕМЕСТИТСЯ В СЕРЕДИНУ ПРОРЕЗИ (3) С ВНУТРЕННЕЙ СТОРОНЫ

РЕГУЛИРОВКА НАТЯЖЕНИЯ ПОЛОТНА
ПОВОРАЧИВАЙТЕ БОЛТ (1) ДЛЯ НАТЯЖЕНИЯ ПОЛОТНА ПОКА БЕЛЫЙ ИНДИКАТОР (2), НЕ ПЕРЕМЕСТИТСЯ В СЕРЕДИНУ ПРОРЕЗИ (3) С ВНУТРЕННЕЙ СТОРОНЫ

1036727

DECALS – RUSSIAN

Ref	Part Number	Description	Qty	Serial Number
1	340052	DECAL – OIL, IMPORTANT, RUSSIAN		
2	220832	DECAL – IMPORTANT: GUARDS, RUSSIAN		
3	220834	DECAL – RH DRAPER TENSION, RUSSIAN		
4	220831	DECAL – LH DRAPER TENSION, RUSSIAN		

93 Decals – Spanish

1

2

3

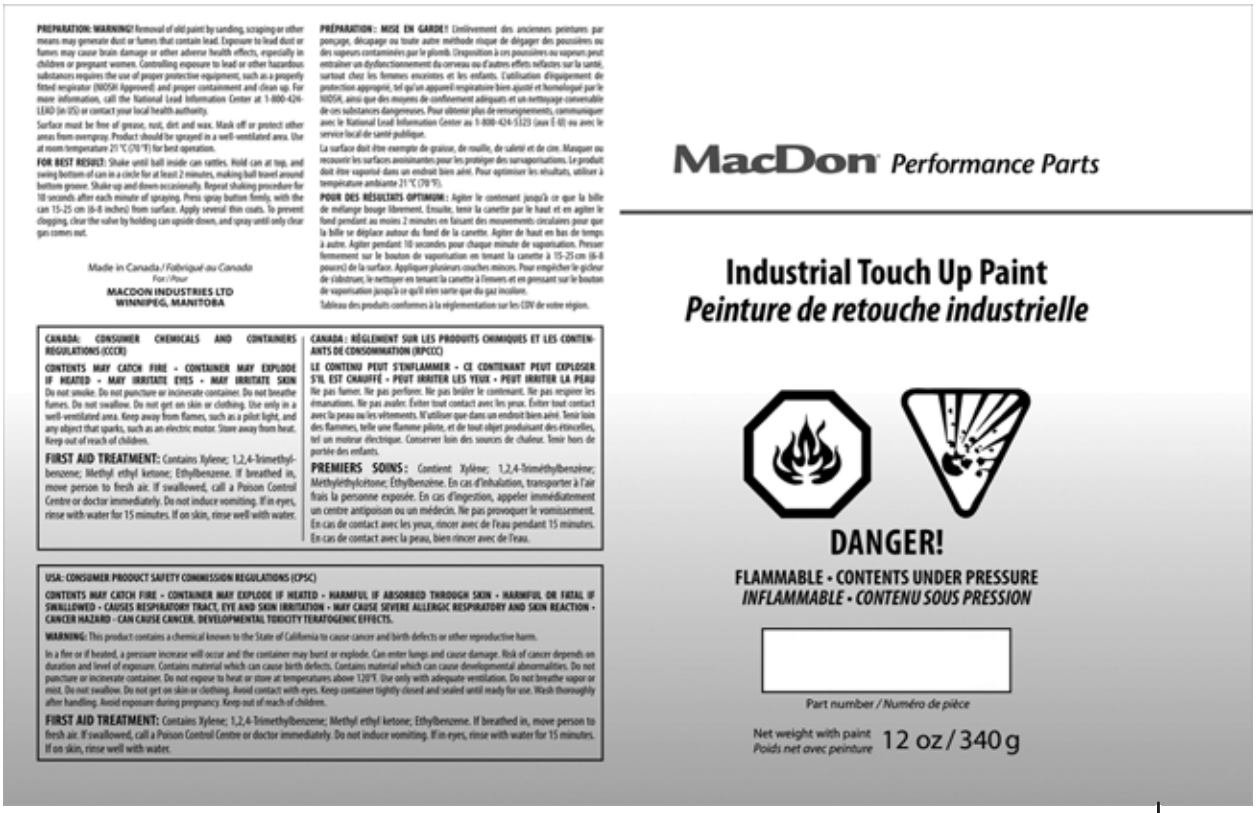
4

1036716

DECALS – SPANISH

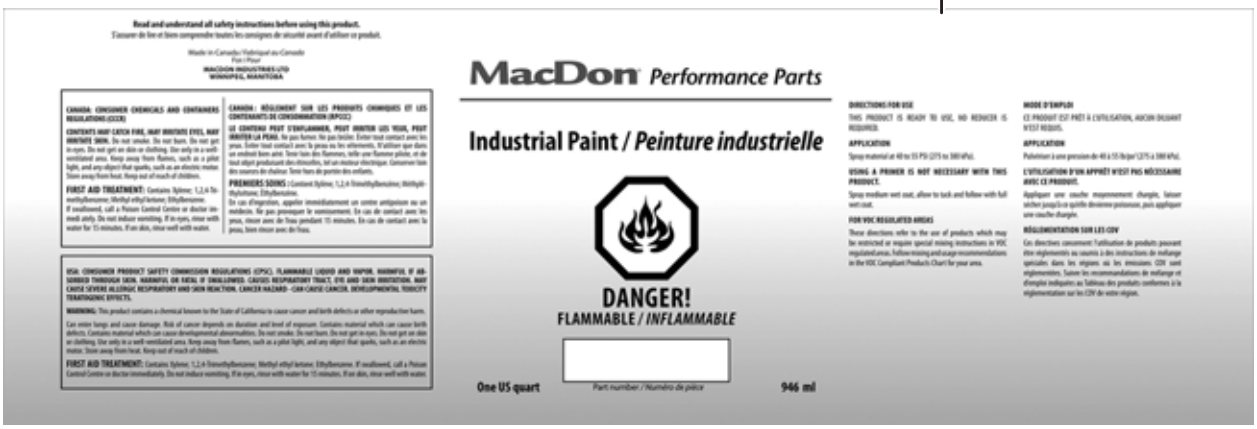
Ref	Part Number	Description	Qty	Serial Number
1	340050	DECAL – OIL, IMPORTANT, SPANISH		
2	220807	DECAL – IMPORTANT: GUARDS, SPANISH		
3	220835	DECAL – RH DRAPER TENSION, SPANISH		
4	220814	DECAL – LH DRAPER TENSION, SPANISH		

94 Paint



1

2

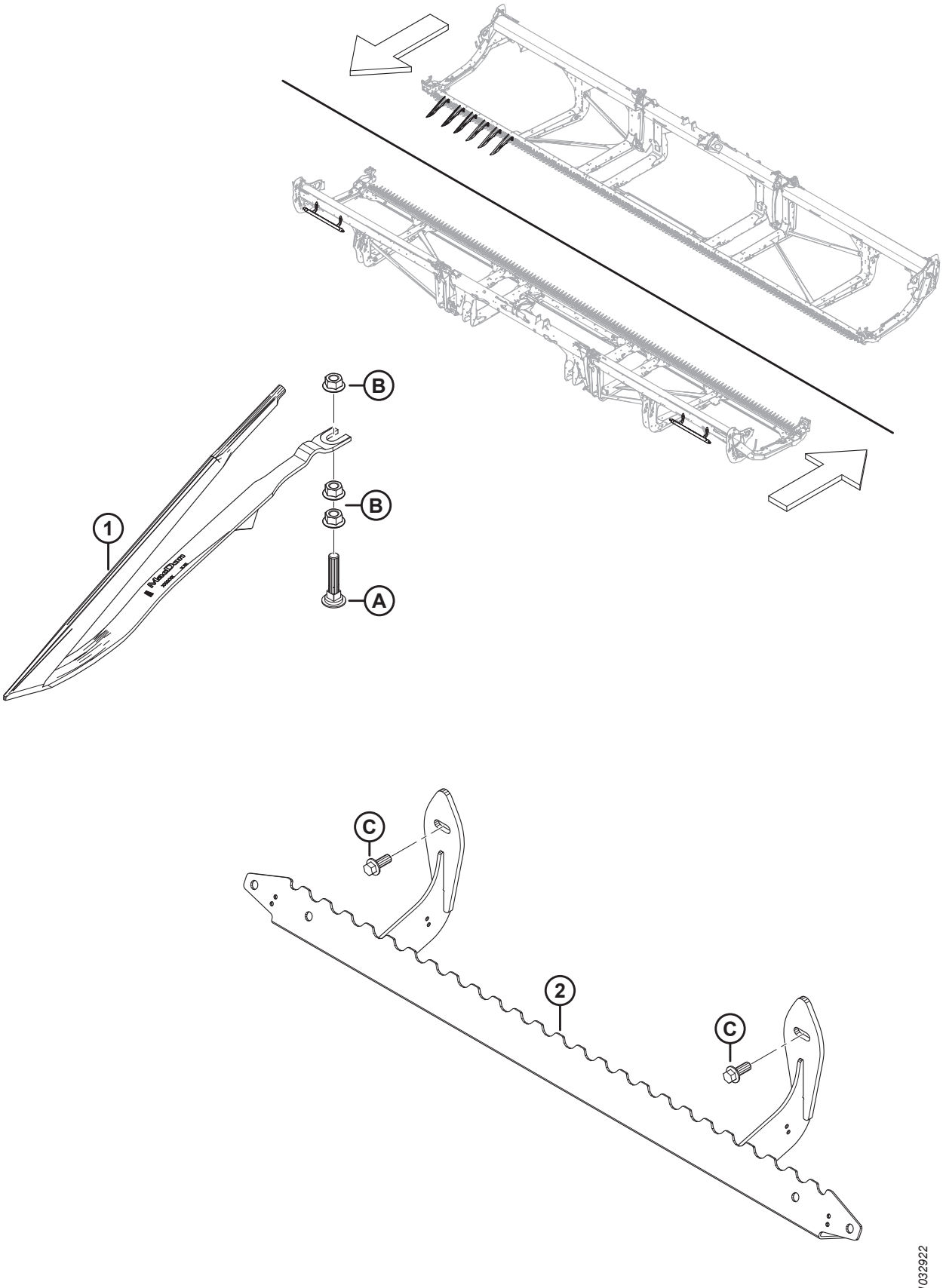


1037431

Ref	Part Number	Description	Qty	Serial Number
1	135148	PAINT – BLACK (55-65 GLOSS LEVEL), SPRAY CAN, 12 OZ. (340 G) AEROSOL [251]		
	32879	PAINT – WHITE, SPRAY CAN, 12 OZ. (340 G) AEROSOL [251]		
	23950	PAINT – RED, SPRAY CAN, 12 OZ. (340 G) AEROSOL [251]		
2	25991	PAINT – BLACK (55-65 GLOSS LEVEL), 1 US QUART (946 ML)		
	23957	PAINT – WHITE, 1 US QUART (946 ML)		
	32880	PAINT – RED, 1 US QUART (946 ML)		

251. To be used for small touch-ups only.

95 (Option) Crop Lifters and Storage Rack

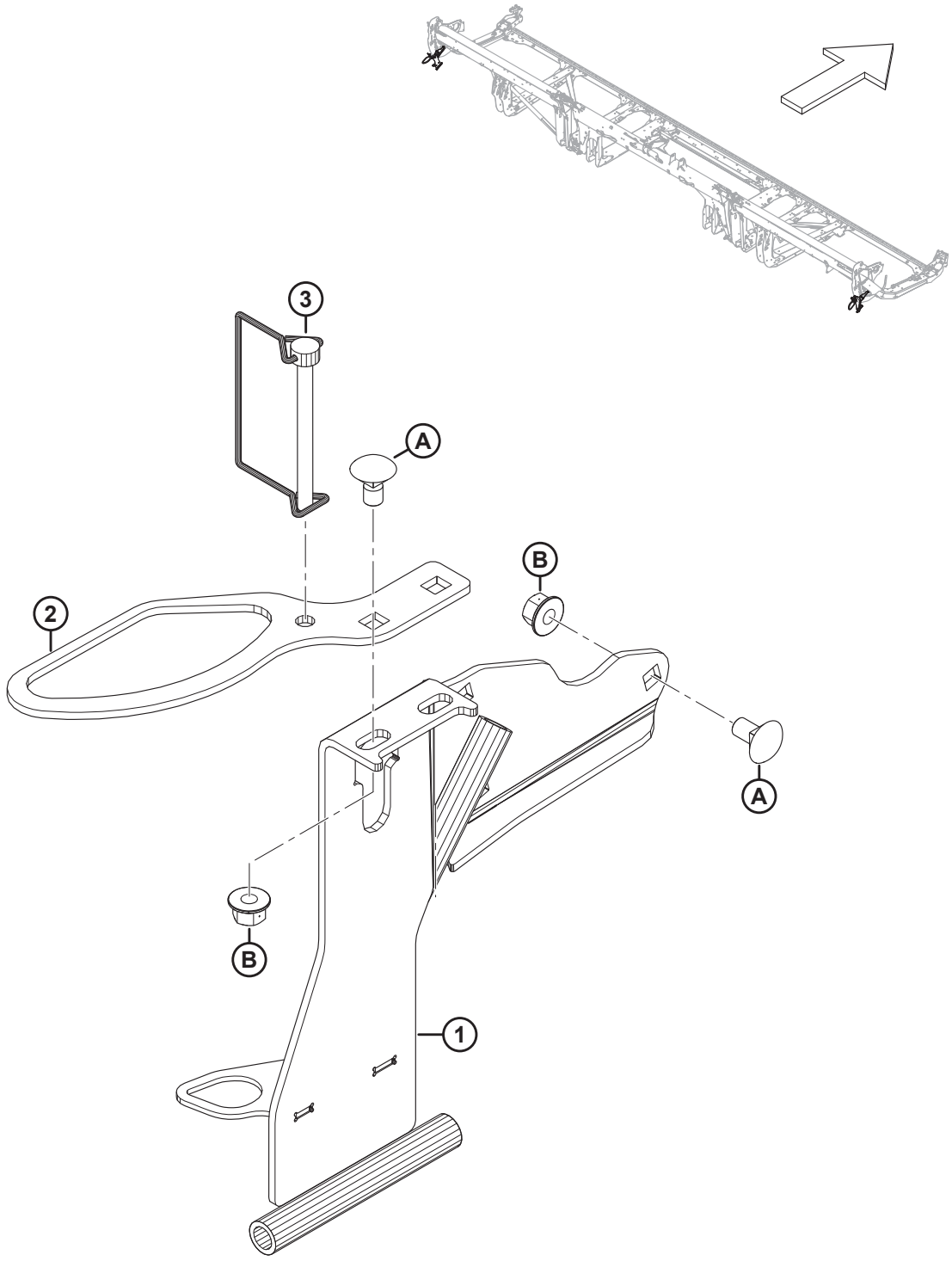


(OPTION) CROP LIFTERS AND STORAGE RACK

Ref	Part Number	Description	Qty	Serial Number
	B7022	KIT – CROP LIFTER [252]		
	B7023	KIT – LIFTER STORAGE RACK [253]		
1	233748	DEFLECTOR – CROP LIFTER	A/R	
2	233770	SUPPORT – LIFTER STORAGE WELDT	1	
A	226280	BOLT – RHSN SPCL M12 X 60-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
C	136312	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		

252. Crop lifters are recommended for severely lodged cereal crops where the Operator wants maximum possible stubble height. Quantity of kits required varies depending on header size: D225 and D230 = 3 kits; D235 and D241 = 4 kits; D245 = 5 kits. Kits are available through Whole Goods only.
253. Quantities of Lifter Storage Rack kits required varies depending on header size. D225 = 1 kit; D230, D235, D241, and D245 = 2 kits. Kits are available through Whole Goods only.

96 (Option) Divider Storage Bracket



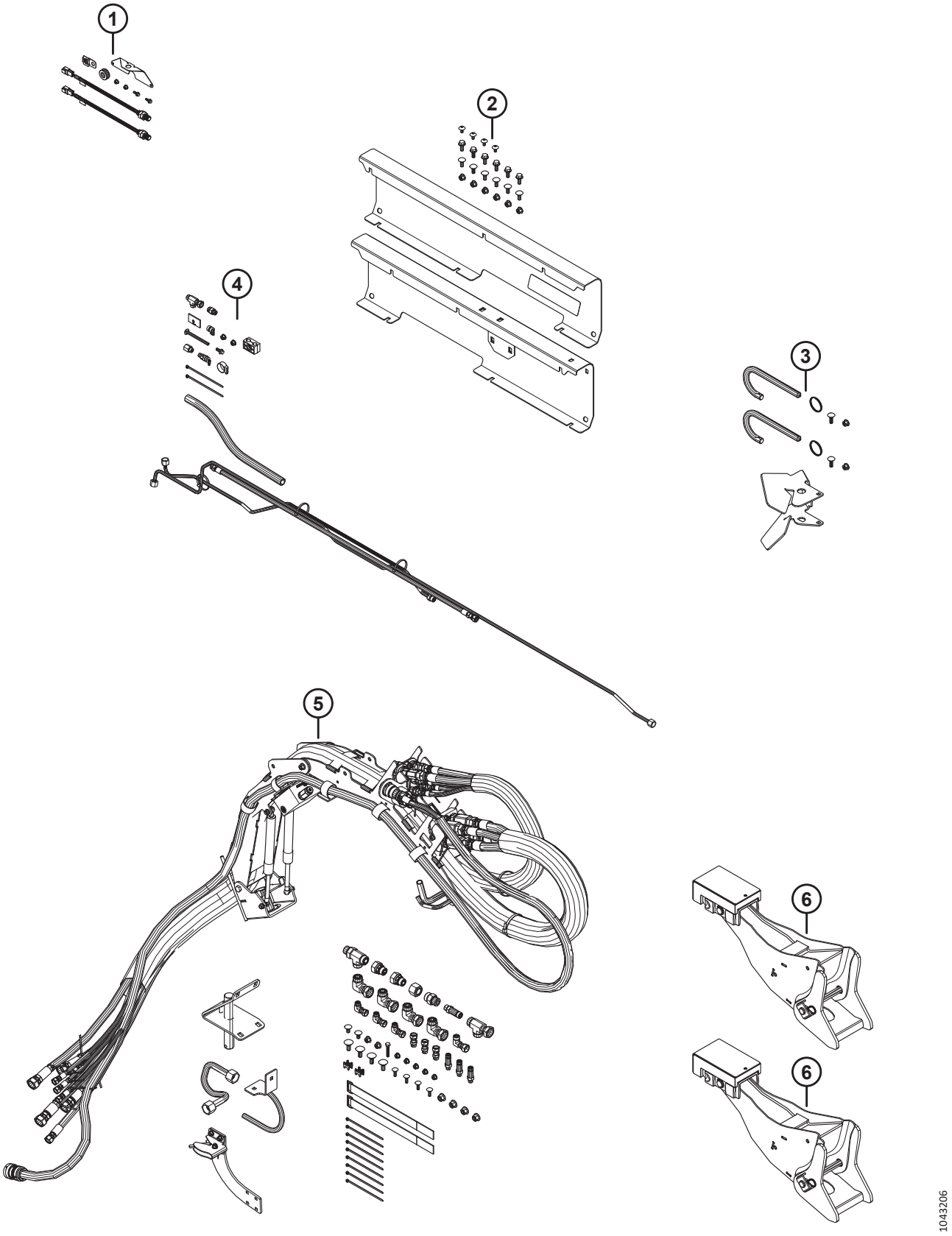
1032910

(OPTION) DIVIDER STORAGE BRACKET

Ref	Part Number	Description	Qty	Serial Number
	B7030	KIT – DIVIDER STORAGE BRACKET [254]		
1	313566	LH DIVIDER STORAGE – WELDT	1	
	313705	RH DIVIDER STORAGE – WELDT	1	
2	311464	SUPPORT – STORAGE RICE RODS	2	
3	136749	PIN – LYNCH	2	
A	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

254. Kits are available through Whole Goods only.

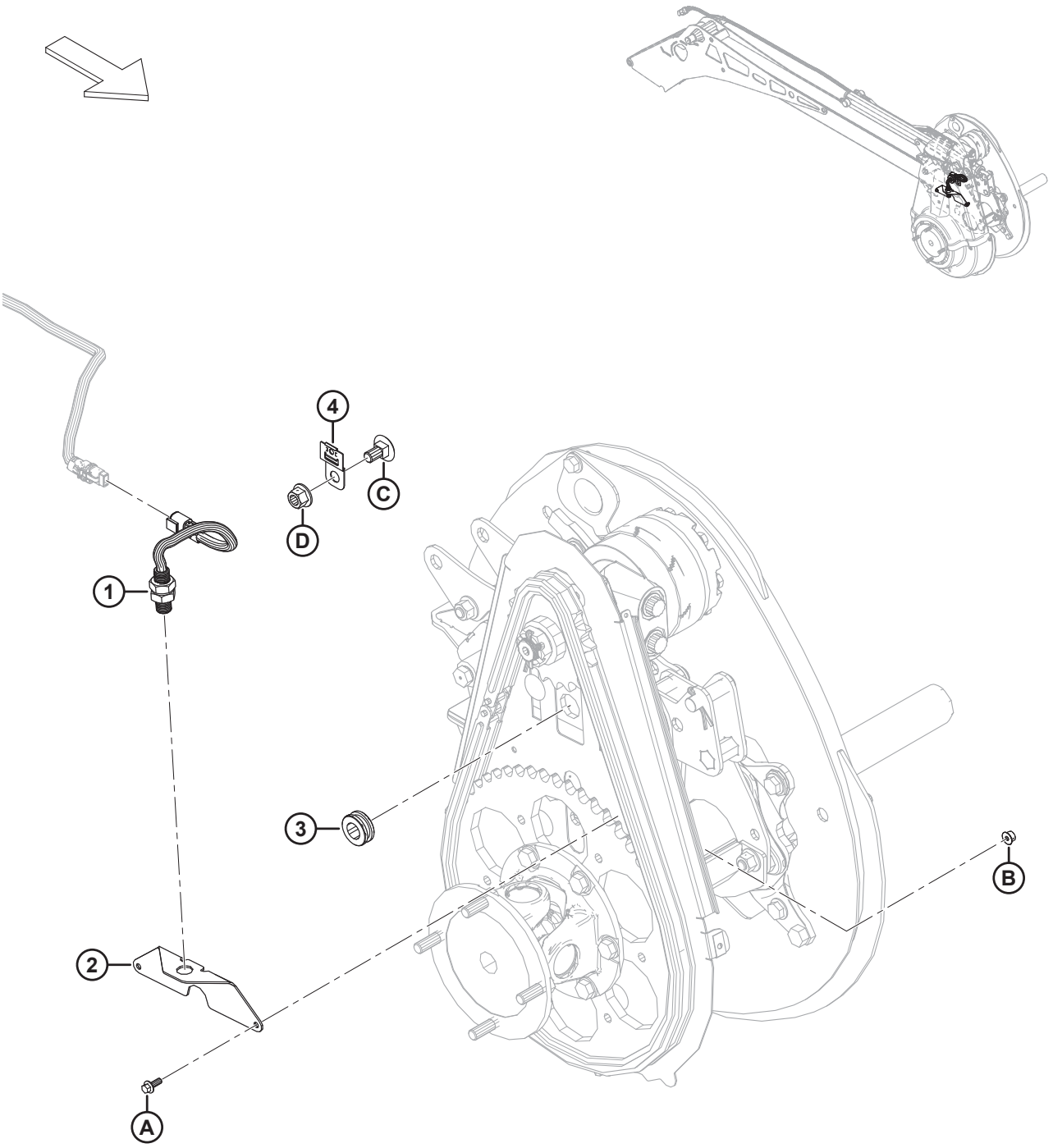
97 (Option) Dual Use Kit – M1/M2 Series Windrowers



Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [255]		
1	NSS	KIT – SPEED SENSORS [256]	1	
2	NSS	KIT – HYDRAULIC LINE COVERS [257]	1	
3	NSS	KIT – RETAINING PINS [258]	1	
4	NSS	KIT – CASE DRAIN HYDRAULICS [259]	1	
5	NSS	KIT – HOSE MANAGEMENT ARM [260]	1	
6	NSS	KIT – DRAPER HEADER SUPPORTS [261]	2	

255. The kit is used to convert a combine-configured D2 Series Draper Header for use on a M1 Series or M2 Series Windrower. Kits are available through Whole Goods only.
256. For service parts, refer to Sections *98 (Option) Electrical – Reel Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers, page 211* and *99 (Option) Electrical – Knife Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers, page 213*.
257. For service parts, refer to Section *100 (Option) Hydraulic Line Covers – Center (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers, page 215*.
258. For service parts, refer to Section *101 (Option) Windrower Completion – Retaining Pins for Dual Use Kit, M1/M2 Series Windrowers, page 217*.
259. For service parts, refer to Sections *102 (Option) Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain for Dual Use Kit, M1/M2 Series Windrowers, page 219* and *103 (Option) Windrower Completion – Draper Drive Hydraulics, Case Drain Relief for Dual Use Kit, M1/M2 Series Windrowers, page 221*.
260. For service parts, refer to Sections *104 (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use Kit, M1/M2 Series Windrowers, page 223* and *105 (Option) Windrower Completion – Hydraulics, Hoses and Latch (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers, page 225*.
261. For service parts, refer to Section *106 (Option) Draper Header Supports for Dual Use Kit, M1/M2 Series Windrowers, page 231*.

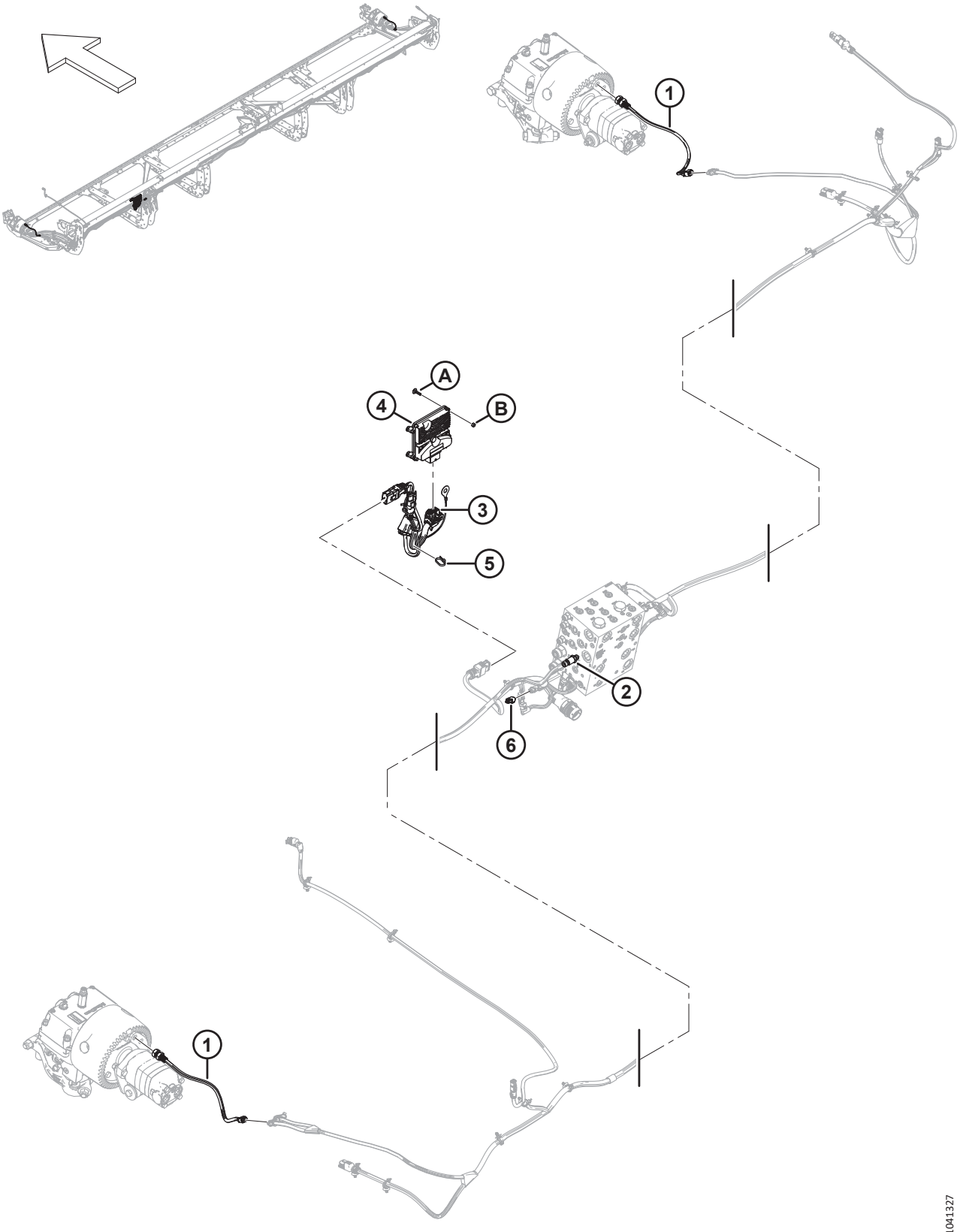
98 (Option) Electrical – Reel Speed Sensor for Dual Use Kit, M1/ M2 Series Windrowers



Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [262]		
1	136167	SENSOR – SPEED	1	
2	273031	SUPPORT – REEL SPEED SENSOR	1	
3	273032	GROMMET – 3/4 IN. I.D. 1 3/8 IN. O.D.	1	
4	500321	CLIP – DEUTSCH, DT, SIDE MOUNT	1	
A	135959	BOLT – HEX FLG HD M6 X 1 X 16-10.9-AA1J		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

262. The M1/M2 Windrower Dual Use kit (B7501) includes reel speed sensor parts (items #1–4), hardware A, and hardware B listed in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.

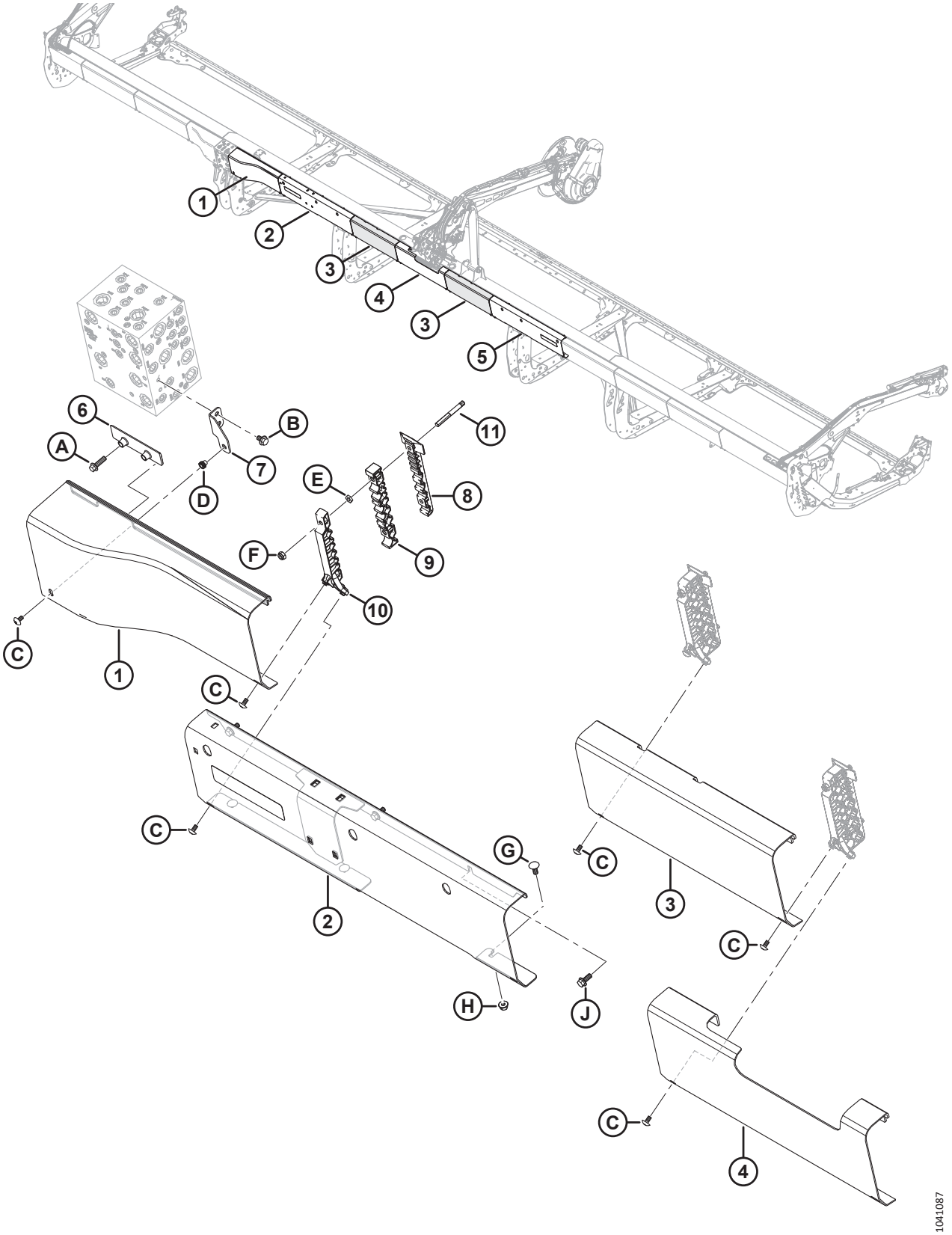
99 (Option) Electrical – Knife Speed Sensor for Dual Use Kit, M1/M2 Series Windrowers



Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [263]		
1	136167	SENSOR – SPEED [264]		
2	207346	SENDER – PRESSURE	1	
3	323046	HARNESS – D2 CNTRL EXT.	1	
	134043	RECEPT – DEUTSCH, DT04-3P-P006 (CAN TERMINATOR) [265]		
4	500567	ASSY – STW ESX-3CS WITH ETDK (ELECTRONICALLY TIMED DOUBLE KNIFE) SW (CONTROL MODULE)	1	
5	21763	FASTENER – CABLE TIE, BLACK	1	
6	323866	CONNECTOR – CAP, DEUT, DTM, 2POS	1	
A	197408	BOLT – RHSN M6 X 1 X 25 LG ZP		
B	136773	NUT HEX CTR LOC M6 X 1-8-AA1J		

263. The M1/M2 Windrower Dual Use kit (B7501) includes one knife speed sensor (MD #136167). For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.
264. Quantities: untimed double-knife drive = 1 (left end of header), timed double-knife drive = 2.
265. CAN terminator.

100 (Option) Hydraulic Line Covers – Center (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers



(OPTION) HYDRAULIC LINE COVERS – CENTER (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

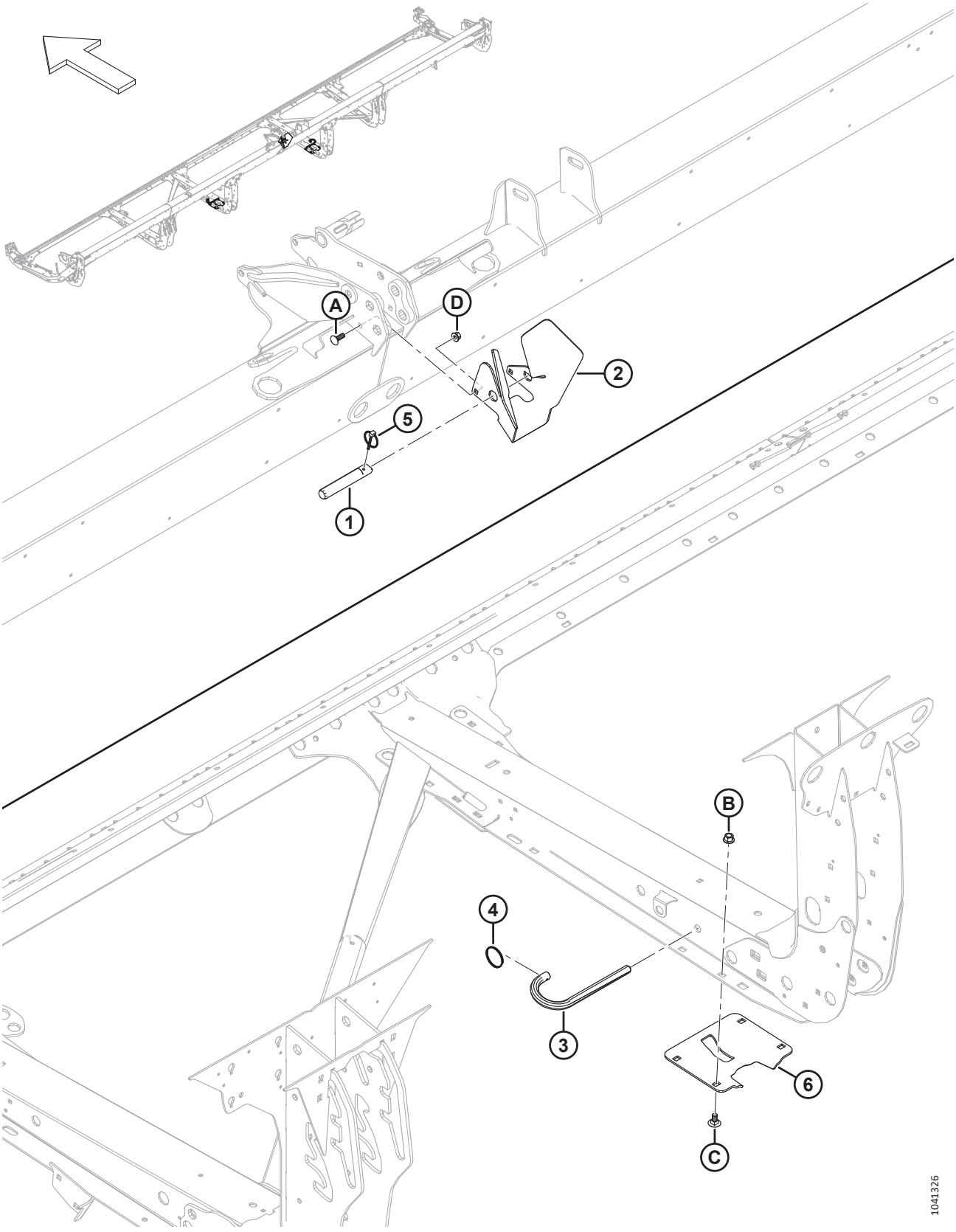
NOTE:

The hydraulic covers listed in this topic are used only for D225–D241 headers configured for M1 or M2 Series Windrowers.

Ref	Part Number	Description	Qty	Serial Number
	B7501	**KIT – D2 COMBINE-M1/M2 DUAL USE** [266]		
1	**283697**	**COVER – HYD MANIFOLD, RH**	1	
2	**323917**	**COVER – LH SWATHER W/ REFLECTOR** [267]	**1**	
3	**323918**	**COVER – HYD RIGID OUTER CENTER**	**2**	
4	**323168**	**COVER – HYD RIGID CENTER PLASTIC**	**1**	
5	**323518**	**COVER – RH SWATHER W/ REFLECTOR** [268]	**1**	
6	**283849**	**BRACKET – HYD COVER SUPPORT**	**1**	
7	**323773**	**ASSY – RH SHIELD BRACKET** [269]	**1**	
8	**283820**	**CLAMP – LINE BOTTOM RH**	**5**	
9	**283818**	**CLAMP – LINE MIDDLE RH**	**5**	
10	**340549**	**KIT – RH TOP LINE CLAMP** [270]	**5**	
11	**312654**	**STUD – THRD CLAMP PATCH WING**	**10**	
A	**136211**	**BOLT – HEX FLG HD M10 X 1.5 X 35-8.8-AA1J**		
B	**136151**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J**		
C	**320336**	**SCREW – TORX TRUSS HD M8 X 1.25 X 16-SPCL-8.8-AA1T**		
D	**320448**	**RIVNUT – M8 X 1.25 HEX**		
E	**136442**	**NUT – HEX THIN M10 X 1.5-05-AA1J**		
F	**184692**	**NUT – HEX NYLOC M10 X 1.5-8-AA1J**		
G	**135785**	**BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J**		
H	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		
J	**135783**	**BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J**		

266. The M1/M2 Windrower Dual Use kit (B7501) includes one LH windrower cover (MD #323917), one RH windrower cover (MD #323518), six Torx® screws (MD #320336), six M10 hex nuts (MD #135799), six M10 carriage bolts (MD #135785), and six M10 hex flange bolts (MD #135783). For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.
267. Complete assembly includes LH windrower cover (NSS) and amber reflector (MD #115146).
268. Complete assembly includes RH windrower cover (NSS) and amber reflector (MD #115146).
269. The assembly includes cover mounting connector bracket (NSS) and rivnut (MD #320448).
270. Includes RH top line clamp (NSS) and two Torx® screws (MD #320336).

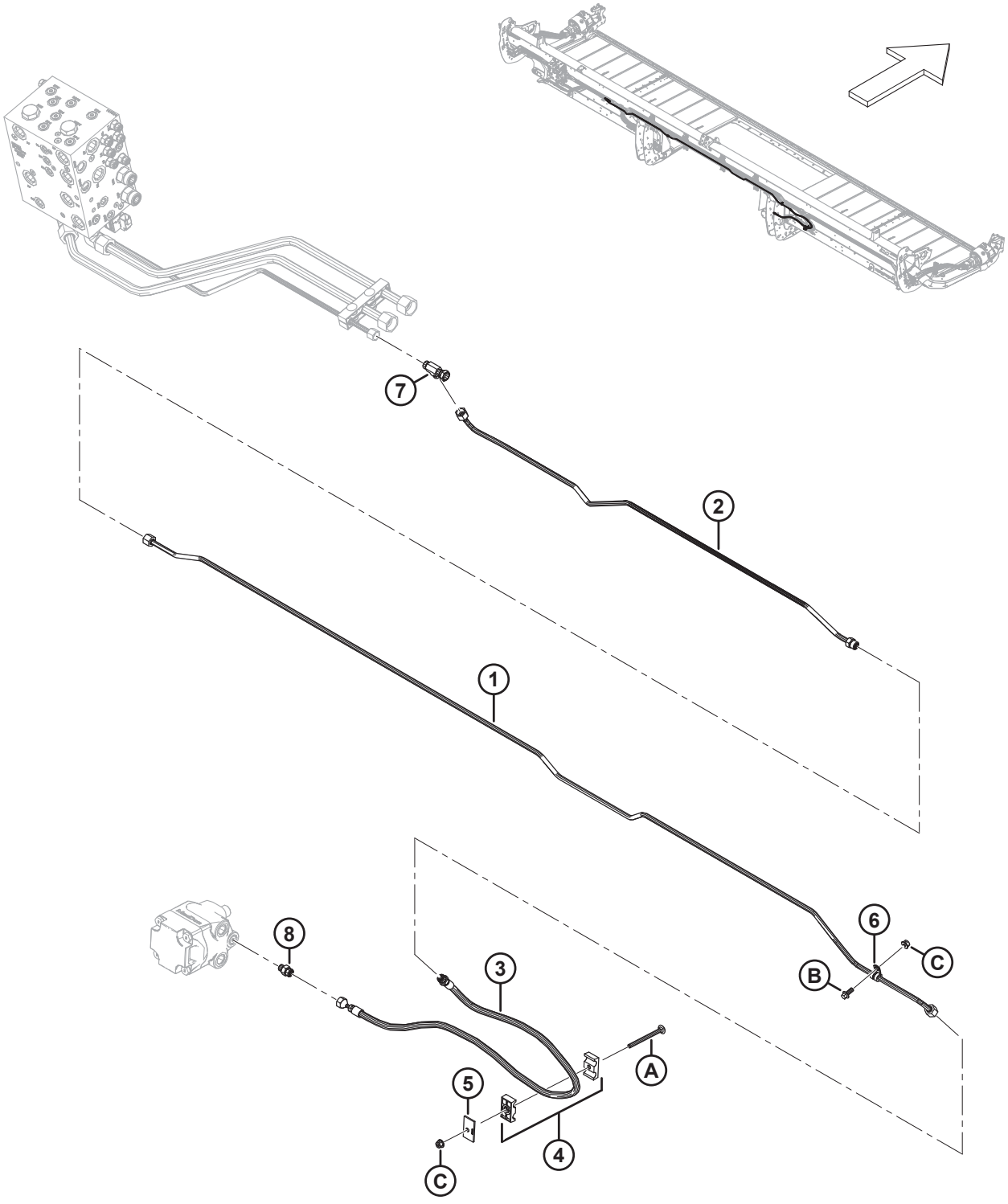
101 (Option) Windrower Completion – Retaining Pins for Dual Use Kit, M1/M2 Series Windrowers



Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [271]		
1	360360	PIN	1	
2	283291	GUIDE – TILT CYLINDER	1	
3	124399	PIN	2	
4	118137	RING	2	
5	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	1	
6	NSS	SUPPORT – FORMED	2	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10	8	
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC	8	
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10	2	

271. The M1/M2 Windrower Dual Use kit (B7501) includes items #1–5, hardware A, and hardware D listed in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.

102 (Option) Windrower Completion – Draper Drive Hydraulics, Center Delivery, Case Drain for Dual Use Kit, M1/M2 Series Windrowers



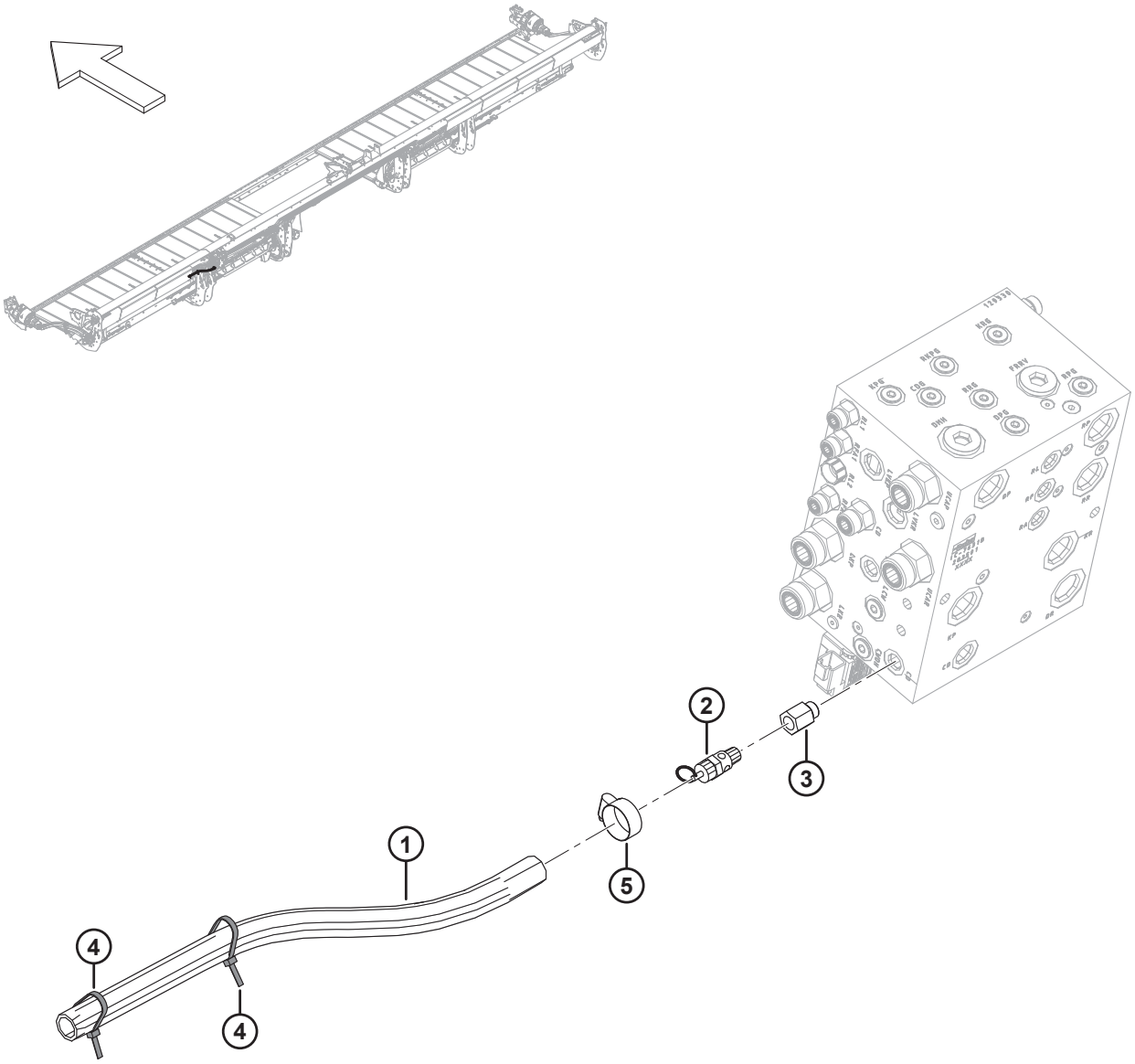
1041405

(OPTION) WINDROWER COMPLETION – DRAPER DRIVE HYDRAULICS, CENTER DELIVERY, CASE DRAIN FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [272]		
1	323410	LINE – HYDRAULIC	1	
2	323409	LINE – HYDRAULIC	1	
3	323830	HOSE – HYD	1	
4	232395	CLAMP – ASSY [273]	1	
5	184303	CLAMP – COVER PLATE	1	
6	136410	CLAMP – INSULATED 3/8 IN.	1	
7	136097	FITTING – TEE HYD	1	
8	135778	FITTING – ADAPTER	1	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
A	252633	BOLT – RHSN M8 X 1.25 X 100-8.8-AA1J		
B	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

272. The M1/M2 Windrower Dual Use kit (B7501) includes all listed parts and hardware in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.
273. The clamp assembly includes two clamp halves (NSS). It does **NOT** include the cover plate or hardware.

103 (Option) Windrower Completion – Draper Drive Hydraulics, Case Drain Relief for Dual Use Kit, M1/M2 Series Windrowers



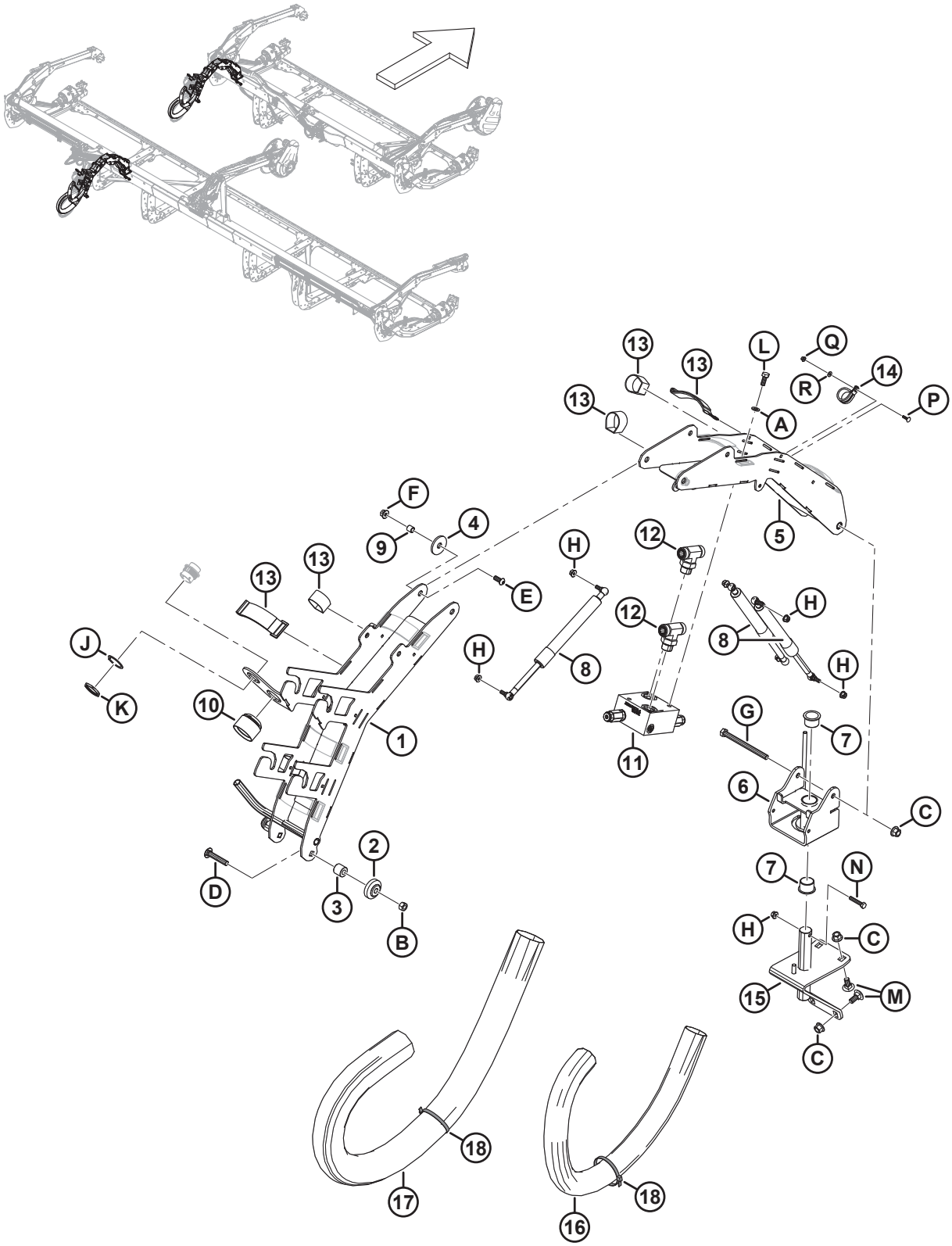
1041403

(OPTION) WINDROWER COMPLETION – DRAPER DRIVE HYDRAULICS, CASE DRAIN RELIEF FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [274]		
1	323657	HOSE – HEATER, CD RELIEF	1	
2	198927	VALVE – RELIEF	1	
3	136464	FITTING – ADAPTER HYD	1	
4	21763	FASTENER – CABLE TIE, BLACK	2	
5	21349	CLAMP – HOSE GEAR TYPE	1	

274. The M1/M2 Windrower Dual Use kit (B7501) includes all listed parts in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.

104 (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use Kit, M1/M2 Series Windrowers

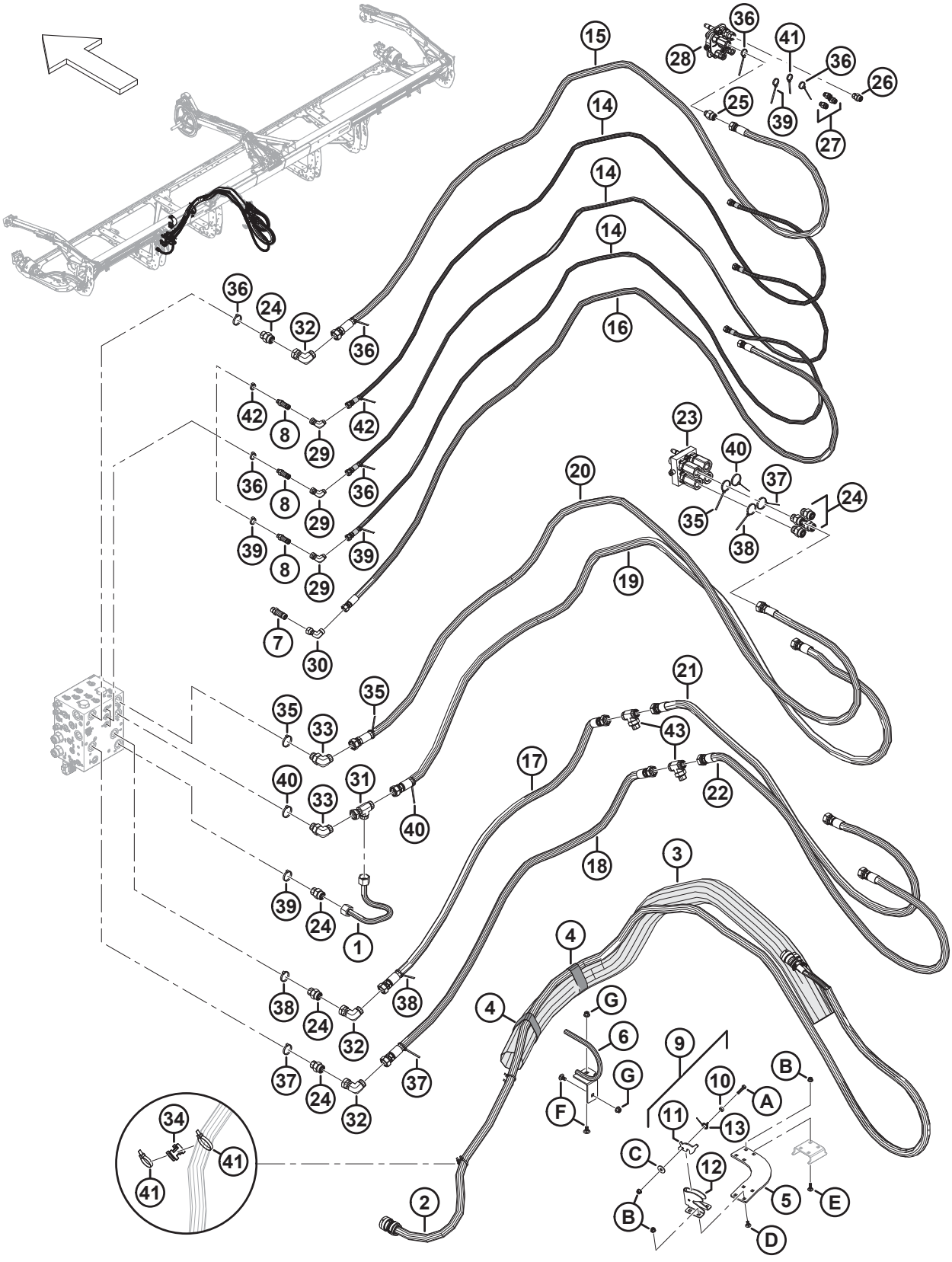


(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSE SUPPORT ARM AND MOUNT FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [275]		
1	323762	CHANNEL – WELDMENT REAR	1	
2	253644	JOINT – BALL	1	
3	253607	TUBE – SPACER	1	
4	243900	PLATE – SPACER	2	
5	243831	CHANNEL – WELDMENT FRONT	1	
6	243830	ASSY – PIVOT WITH BUSHINGS [276]	1	
7	243661	BUSHING – PLASTIC	2	
8	243826	CYLINDER – GAS SPRING EXT 1400 N	3	
9	243711	TUBE – SPACER	2	
10	243604	CAP – HARNESS	1	
11	243840	VALVE – DRAPER KNIFE RELIEF	1	
12	135887	FITTING – BRANCH TEE HYD	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
13	135444	CINCH STRAP – 6 IN. LG	12	
14	135714	CLAMP – INSULATED 1 1/8 IN.	1	
15	323907	MOUNT – HOSE SUPPORT WELDT	1	
16	253645	SLEEVE – HOSES (1168 MM LG) [277]	1	
17	253646	SLEEVE – HOSES (1105 MM LG) [278]	1	
18	30753	FASTENER – CABLE TIE, BLACK	2	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	136759	NUT – HEX CTR LOCM12 X 1.75-8-AA1J		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136112	BOLT – RHSSN M12 X 1.75 X 65-8.8-AA1J		
E	135852	SCREW – HEX SOC BTN HD M10 X 1.5 X 25-10.9-AA1J		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	134603	WASHER – LOCK, HD30, SIZE 18		
K	134602	NUT – PANEL, HD30, SIZE 18		
L	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
M	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
N	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
P	197225	BOLT – RHSN M5 X 0.8 X 20-4.6-AA1J		
Q	136635	NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J		
R	293054	WASHER – FLAT LARGE		

275. The M1/M2 Windrower Dual Use kit (B7501) includes all listed parts and hardware in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.
276. Pivot assembly includes two bushings (MD #243661).
277. 1168 mm long.
278. 1105 mm long.

105 (Option) Windrower Completion – Hydraulics, Hoses and Latch (D225, D230, D235, and D241) for Dual Use Kit, M1/M2 Series Windrowers

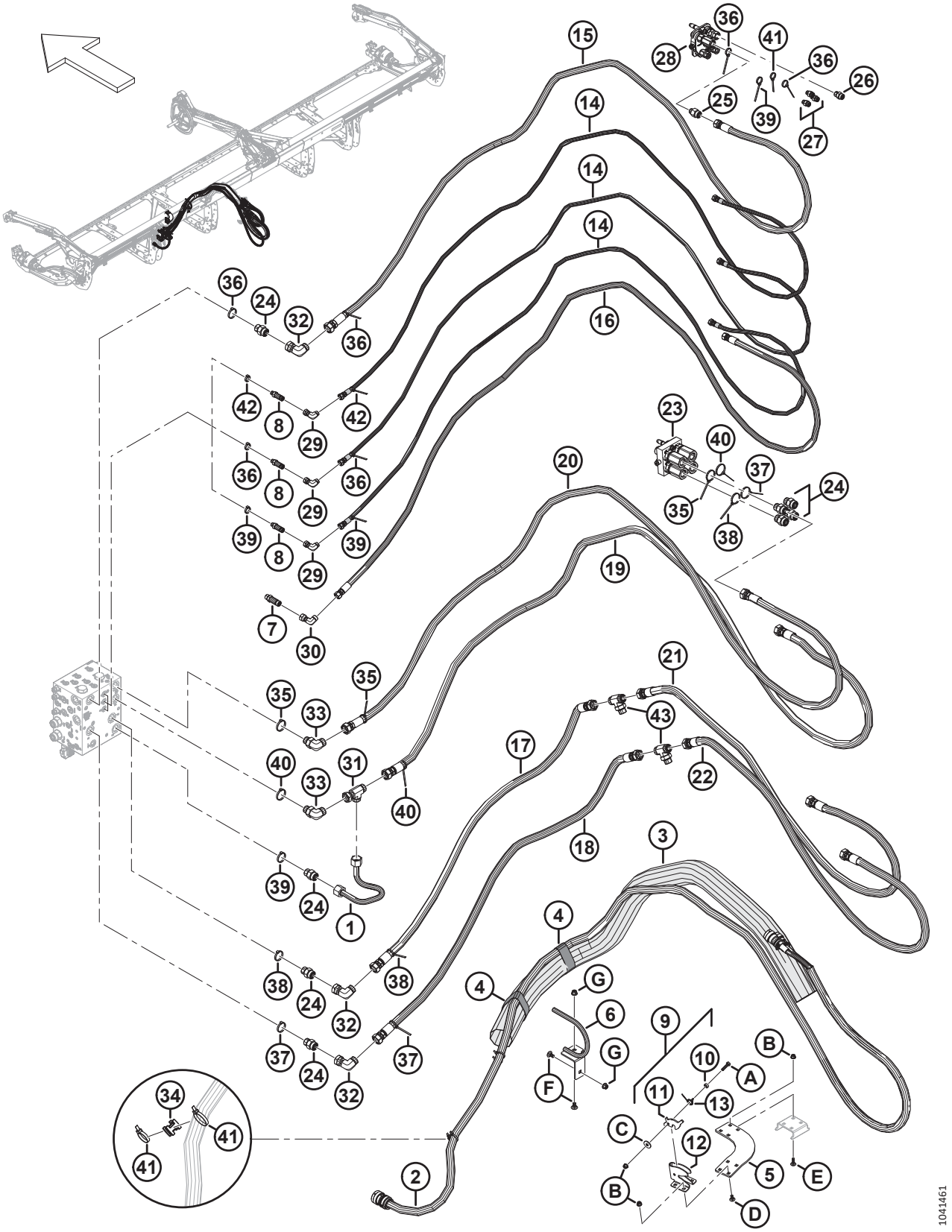


(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSES AND LATCH (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [279]		
1	141783	LINE – HYDRAULIC	1	
2	283744	HARNESS – ADAPTER, D2-M1	1	
3	233588	SLEEVE – HOSES	1	
4	295929	CINCH STRAP – 12 IN. LG	2	
5	323765	BRACKET – LATCH MOUNT	1	
6	310702	SUPPORT – HOOK WELDT	1	
7	320474	FITTING – HYD CONNECTOR, LONG [280]	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
8	252902	FITTING – HYD CONNECTOR, LONG [281]	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
9	243985	ASSEMBLY – LATCH [282]	1	
10	243986	TUBE – SPACER	1	
11	243984	LINK – LATCH	1	
12	243983	BRACKET – LATCH	1	
13	144505	SPRING – TORSION	1	
14	323887	HOSE – HYD, LIFT AND FORE-AFT	3	
15	323885	HOSE – HYD, DRAPER PRESSURE	1	
16	323883	HOSE – HYD, CASE DRAIN	1	
17	323881	HOSE – HYD, KNIFE RETURN A	1	
18	323879	HOSE – HYD, KNIFE PRESSURE A	1	
19	233646	HOSE – HYD, REEL RETURN	1	
20	233644	HOSE – HYD, REEL PRESSURE	1	
21	233642	HOSE – HYD, KNIFE RETURN B	1	
22	233640	HOSE – HYD, KNIFE PRESSURE B	1	
23	243542	COUPLER – MULTI MOBILE [283]	1	
	135479	SEAL KIT	1	
	208172	KIT – CARTRIDGE	4	
	111984	KIT – DOWEL	1	
	208288	KIT – SCREW	1	

279. The M1/M2 Windrower Dual Use kit (B7501) includes all listed parts and hardware in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.
280. This fitting connects to port CD on the manifold.
281. These fittings connect to ports RL, RF, and RA on the manifold.
282. Used for D225–D241 headers. The latch assembly includes bracket (MD #243983), latch link (MD #243984), torsion spring (MD #144505), spacer (MD #243986), one bolt (MD #184654), one washer (MD #118029), and one nut (MD #135337).
283. The multicoupler includes one seal kit (MD #135479), four cartridge kits (MD #208170), one dowel kit (MD #111987), and one screw kit (MD #208288).

(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSES AND LATCH (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

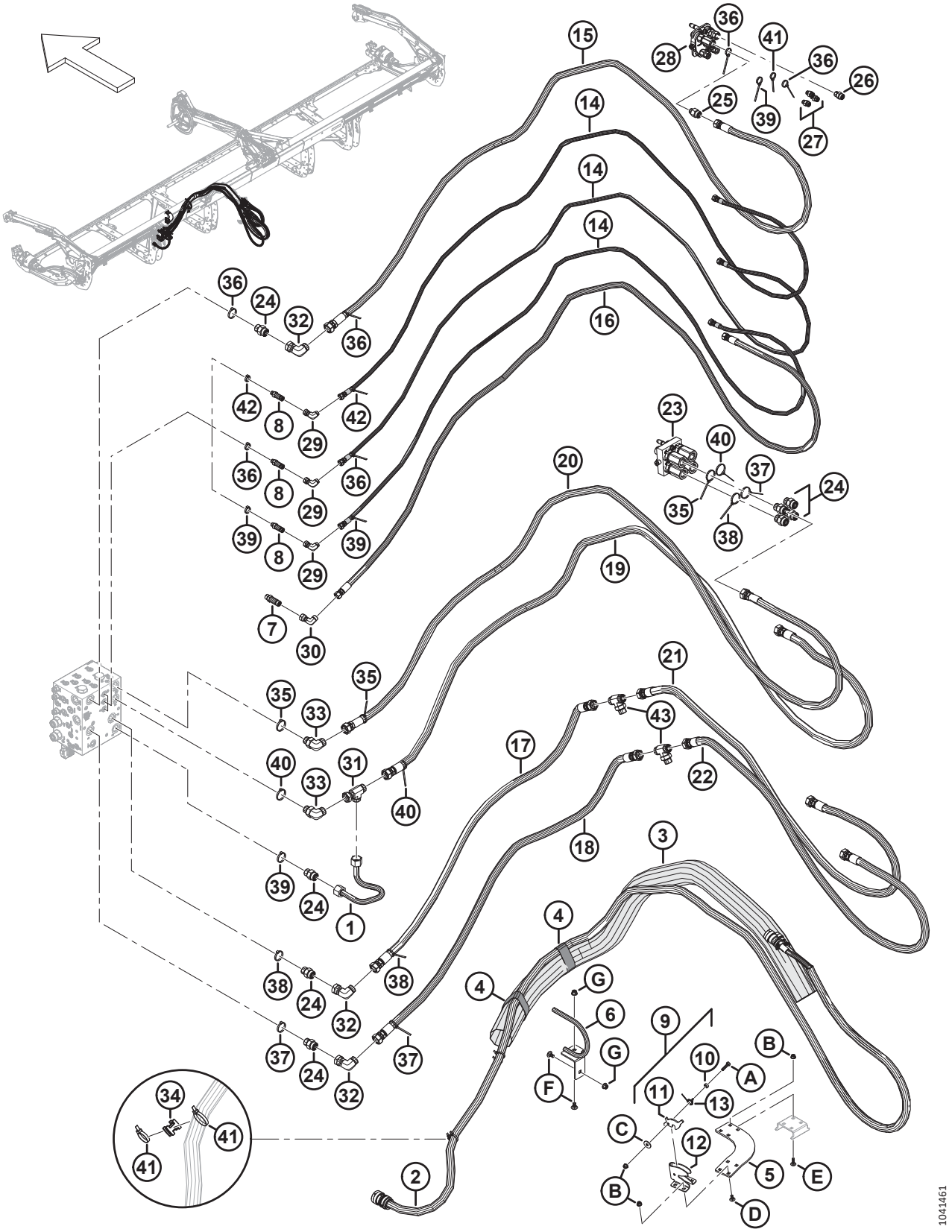


(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSES AND LATCH (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
24	135788	FITTING – ADAPTER [284]	8	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
25	135781	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135867	O-RING – 1.78 X 15.60		
26	135780	FITTING – ADAPTER	1	
	44209	O-RING – 2.21 X 16.36		
	135866	O-RING – 1.78 X 12.42		
27	135778	FITTING – ADAPTER	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
28	135238	COUPLING – MULTI LINK [285]	1	
	111981	SEAL KIT – 1/4 IN. COUPLER	1	
	111982	SEAL KIT – 3/8 IN. COUPLER	1	
	111983	KIT – SCREW	2	
	111984	KIT – DOWEL	2	
	111985	COUPLER – 3/8 IN.	1	
	111986	COUPLER – 1/4 IN.	3	
	294350	COUPLER – 3/8 IN.	1	
29	136249	FITTING – ELBOW 90° HYD	3	
	135865	O-RING – 1.78 X 9.25		
30	136034	FITTING – ELBOW 90° HYD	1	
	135866	O-RING – 1.78 X 12.42		
31	135985	FITTING – TEE HYD	1	
	135868	O-RING – 1.78 X 18.77		
32	135888	FITTING – ELBOW 90° HYD [286]	3	
	135868	O-RING – 1.78 X 18.77		
33	135821	FITTING – ELBOW 90° HYD [287]	2	
	30971	O-RING – 2.95 X 23.47		
	135868	O-RING – 1.78 X 18.77		
34	134442	SPACER – DUAL SWIVEL SADDLE	2	
35	49232	FASTENER – CABLE TIE, WHITE	3	
36	49227	FASTENER – CABLE TIE, GREEN	6	
37	40704	FASTENER – CABLE TIE, ORANGE	3	
38	40703	FASTENER – CABLE TIE, BLUE	3	
39	40702	FASTENER – CABLE TIE, RED	4	
40	40701	FASTENER – CABLE TIE, YELLOW	3	

284. Three of these fittings connect to ports DP, KP, and KR on the manifold; one other fitting connects to port DR on the manifold.
285. The multicoupler includes one 1/4 inch coupler seal kit (MD #111981), one 3/8 inch coupler seal kit (MD #111982), two screw kits (MD #111983), two dowel kits (MD #111984), one 3/8 inch coupler (MD #111985), three 1/4 inch couplers (MD #111986), and one 3/8 inch coupler (MD #294350).
286. These fittings connect to three adapter fittings (MD #135788), which connect to ports DP, KP, and KR.
287. These fittings connect to ports RP and RR on the manifold.

(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSES AND LATCH (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

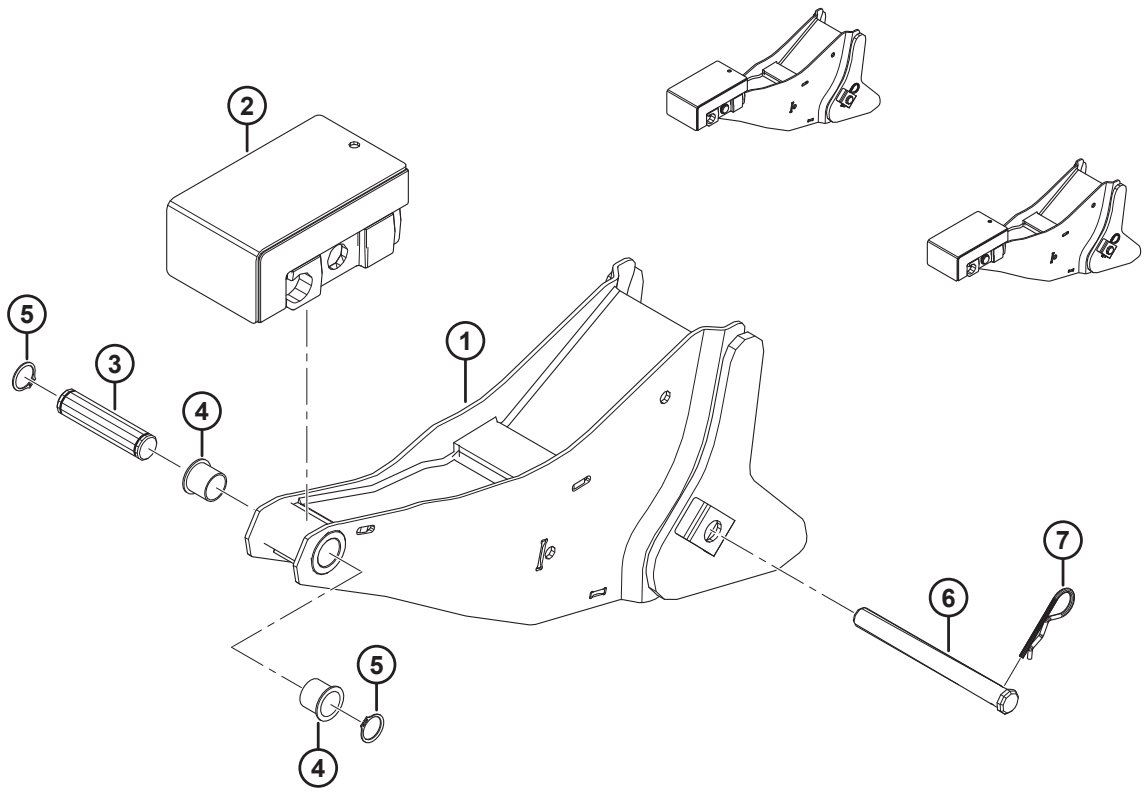


(OPTION) WINDROWER COMPLETION – HYDRAULICS, HOSES AND LATCH (D225, D230, D235, AND D241) FOR DUAL USE KIT, M1/M2 SERIES WINDROWERS

Ref	Part Number	Description	Qty	Serial Number
41	**21763**	**FASTENER – CABLE TIE, BLACK, 160 MM LG**	**5**	
42	**30753**	**FASTENER – CABLE TIE, BLACK, 305 MM LG**	**2**	
43	**REF**	**FITTING – BRANCH TEE HYD** [288]	**2**	
A	**184654**	**BOLT – HEX HD M8 X 1.25 X 35-8.8-AA1J**		
B	**135337**	**NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J**		
C	**118029**	**WASHER – FLAT**		
D	**197171**	**BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC**		
E	**184648**	**BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J**		
F	**136178**	**BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J**		
G	**135799**	**NUT – HEX FLG CTR LOC M10 X 1.5-10**		

288. For service parts, refer to Section *104 (Option) Windrower Completion – Hydraulics, Hose Support Arm and Mount for Dual Use Kit, M1/M2 Series Windrowers, page 223*.

106 (Option) Draper Header Supports for Dual Use Kit, M1/M2 Series Windrowers

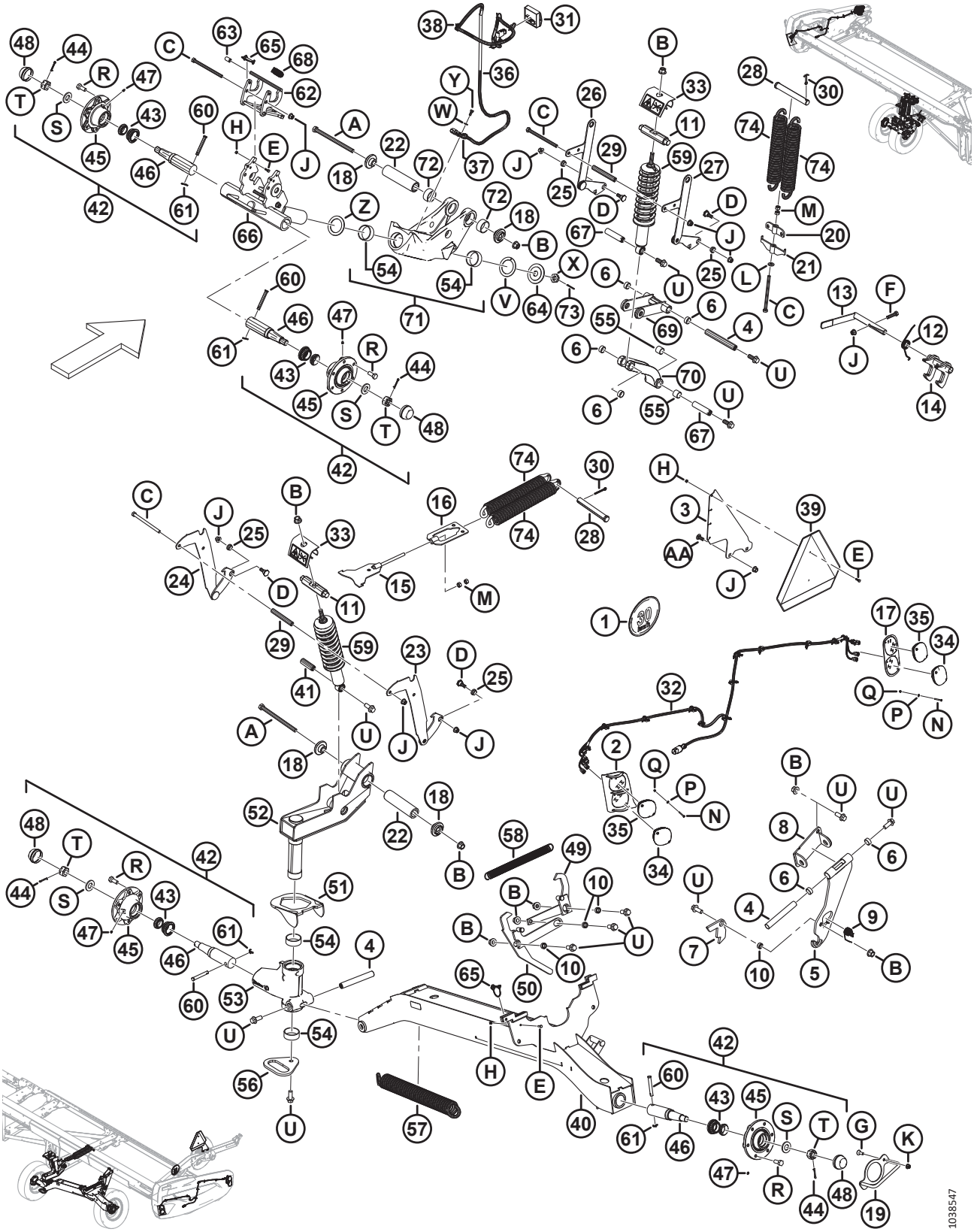


1043617

Ref	Part Number	Description	Qty	Serial Number
	B7501	KIT – D2 COMBINE-M1/M2 DUAL USE [289]		
1	310031	SUPPORT WELDT D2 HEADER BOOT	2	
2	258703	ASSY – RUBBER BLOCK FLEX	2	
3	258318	PIN – PIVOT	2	
4	206966	BUSHING – PLASTIC, FLNG, 1 INCH BORE	4	
5	18898	RING – EXT RETAINING	4	
6	135408	PIN – CLEVIS	2	
7	13125	PIN – HAIR	2	

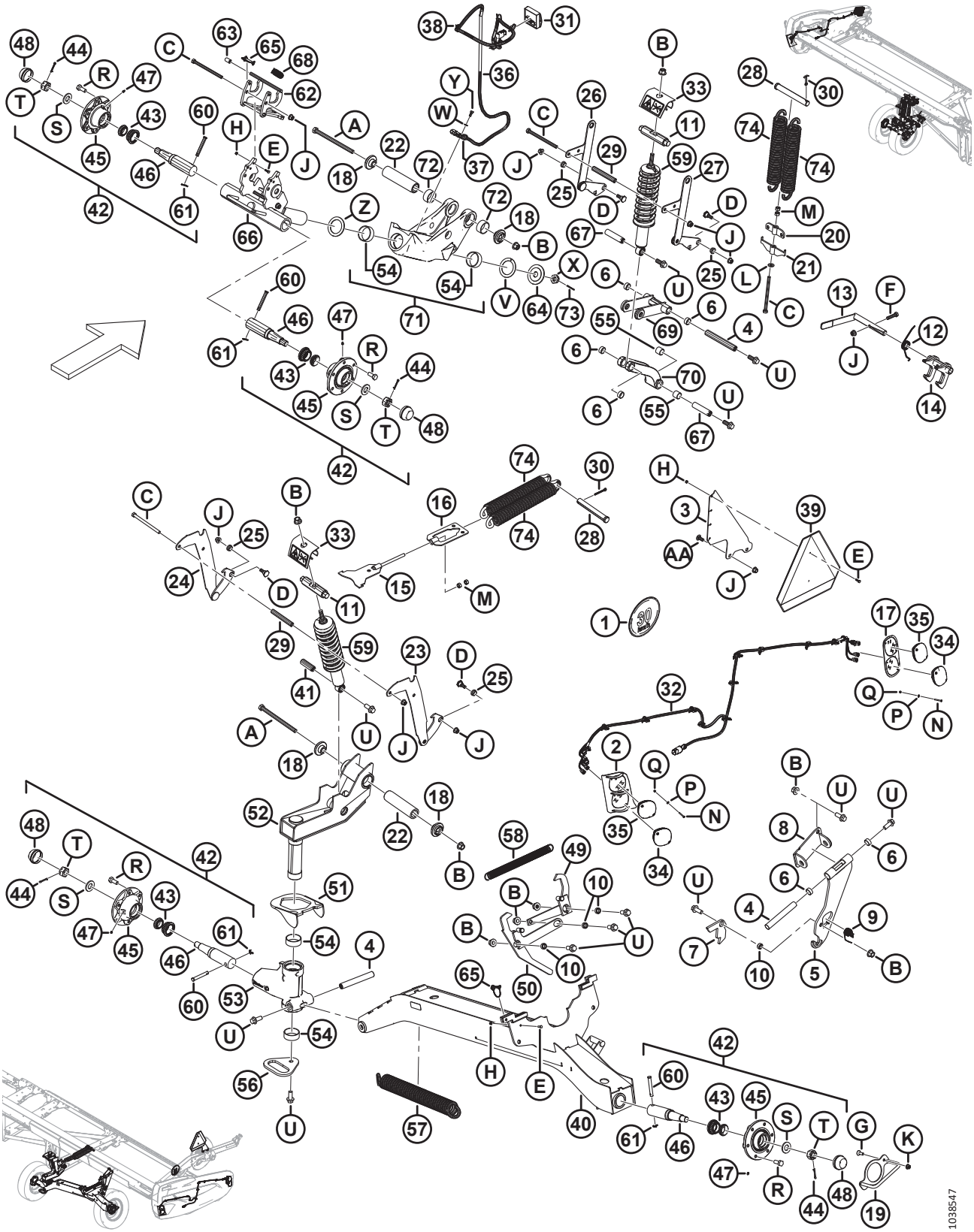
289. The M1/M2 Windrower Dual Use kit (B7501) includes M1/M2 Series header support parts listed in this section. For more information, refer to Section *97 (Option) Dual Use Kit – M1/M2 Series Windrowers, page 209*. Kits are available through Whole Goods only.

107 (Option) EasyMove™ – Slow Speed Transport, Base Kit and Stabilizer Wheels



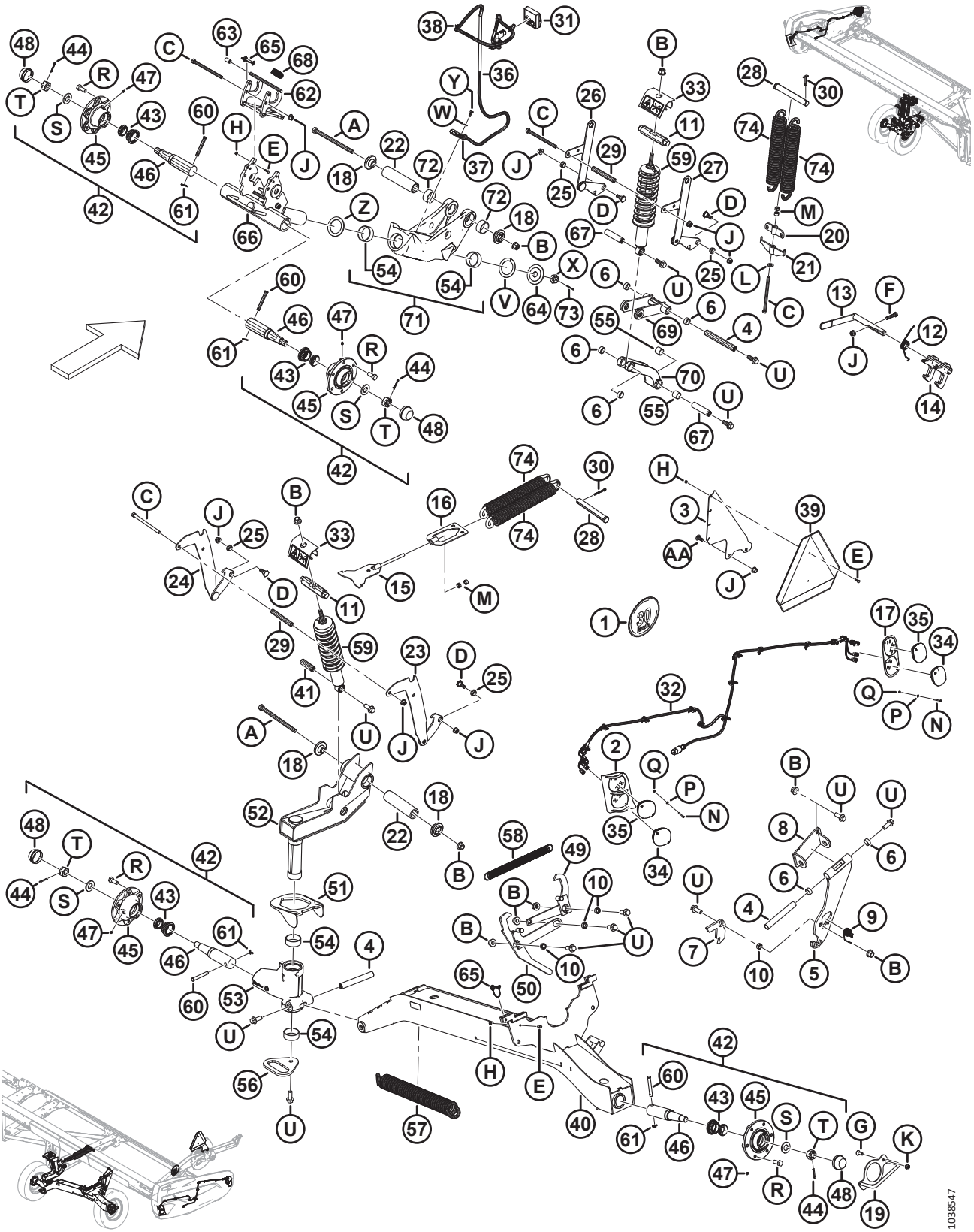
Ref	Part Number	Description	Qty	Serial Number
	B6288	EASYMOVE™ SLOW SPEED TRANSPORT – STABILIZER WHEELS AND BASE KIT [290]		
1	327561	KIT – DECALS, SIS BRACKET	1	
	193243	DECAL – SIS 30 KM/H, SMALL	1	
	193241	DECAL – SIS, 30 KM/H	1	
	193240	DECAL – SIS 20 MILE/H, SMALL	1	
	193242	DECAL – SIS 20 MILE/H	1	
2	327429	LIGHT BEZEL – WELDT, LH [291]	1	
	327179	LIGHT BEZEL – WELDT, RH [291]	1	
3	327428	LUG	1	
4	316794	PIN	3	
5	316358	SUPPORT – ASSY [292]	1	
6	210690	BUSHING – COMPOSITE	6	
7	303961	PLATE – LATCH	1	
8	327704	PIVOT – WELDT	1	
9	303379	SPRING – TORSION	1	
10	252958	SPACER	4	
11	316284	PIN	2	
12	316119	SPRING – TORSION	1	
13	316118	HANDLE – ASSY	1	
	287701	GRIP – HANDLE	1	
14	316110	LATCH – WELDT	1	
15	316096	SUPPORT – WELDT	1	
16	316095	SUPPORT – WELDT	1	
17	313406	BEZEL – LH FRONT [291]	1	
	313425	BEZEL – RH FRONT [291]	1	
18	303839	CASTING – PLATE	4	
19	303766	HANDLE – WELDT	1	
20	303693	SPRING TENSION SUPPORT – WELDT	1	
21	303691	SPRING ADJUST SUPPORT – WELDT	1	
22	303525	PIN – PIVOT	2	
23	327756	SUPPORT, HEIGHT ADJUST – WELDT, RH	1	
24	327755	SUPPORT, HEIGHT ADJUST – WELDT, LH	1	
25	303492	BUSHING – COMPOSITE	4	
26	303491	SUPPORT, HEIGHT ADJUST – WELDT	1	
27	303486	SUPPORT, HEIGHT ADJUST – WELDT	1	
28	292692	PIN – CLEVIS	2	
29	210985	SPACER	2	
30	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
31	327255	MODULE – TRANSPORT LED W/ TAPE	1	

290. Kits are available through Whole Goods only.
291. The bezels are mounted onto the header endshields with pan head screw (MD #320154), flat washer (MD #18798), and Nyloc hex nut (MD #197320).
292. The support assembly includes support (NSS) and two composite bushings (MD #210690).


1038547

Ref	Part Number	Description	Qty	Serial Number
32	323049	HARNESS – TRANSPORT EXT LTS	2	
33	327089	ANTI PRY – ASSY	2	
34	316044	LIGHT – RED	2	
35	284215	LIGHT – AMBER	4	
36	284548	HARNESS – TRANSPORT EXT LEG	1	
37	135716	CLAMP – INSULATED 5/8 IN.	1	
38	21763	FASTENER – CABLE TIE, BLACK	7	
39	21032	SMV SIGN – METAL AND REFLECTOR	1	
40	327786	SUPPORT, AXLE – WELDT	1	
41	316793	PIN	1	
42	316330	HUB – ASSY [293]	4	
43	316851	KIT – WHEEL BEARING [294]	4	
44	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
45	316847	HUB	4	
46	316848	SPINDLE	4	
47	18671	FITTING – LUBE 1/4 - 28 UNF	4	
48	30520	CAP – DUST	4	
49	327751	ARM – WELDT	1	
50	327749	LEVER – WELDT	1	
51	303832	HOOK – WELDT	1	
52	327672	PIVOT – ASSY	1	
53	303380	ASSY – SUPPORT, PIVOT [295]	1	
54	210661	BUSHING – COMPOSITE	4	
55	133992	BUSHING – COMPOSITE	6	
56	303033	PLATE – HANDLE	1	
57	303021	SPRING – EXTENSION	1	
58	247222	SPRING – EXTENSION	1	
59	**327798**	**DAMPENER – HEADER** [296]	**2**	
60	101007	PIN – CLEVIS	4	
61	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	4	
62	327535	LATCH – ASSY [297]	1	
63	327534	GRIP – HANDLE	1	
64	327745	DISC	1	
65	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	2	
66	327716	SPINDLE – WELDT	1	
67	316293	PIN	2	
68	303898	SPRING – EXTENSION	1	

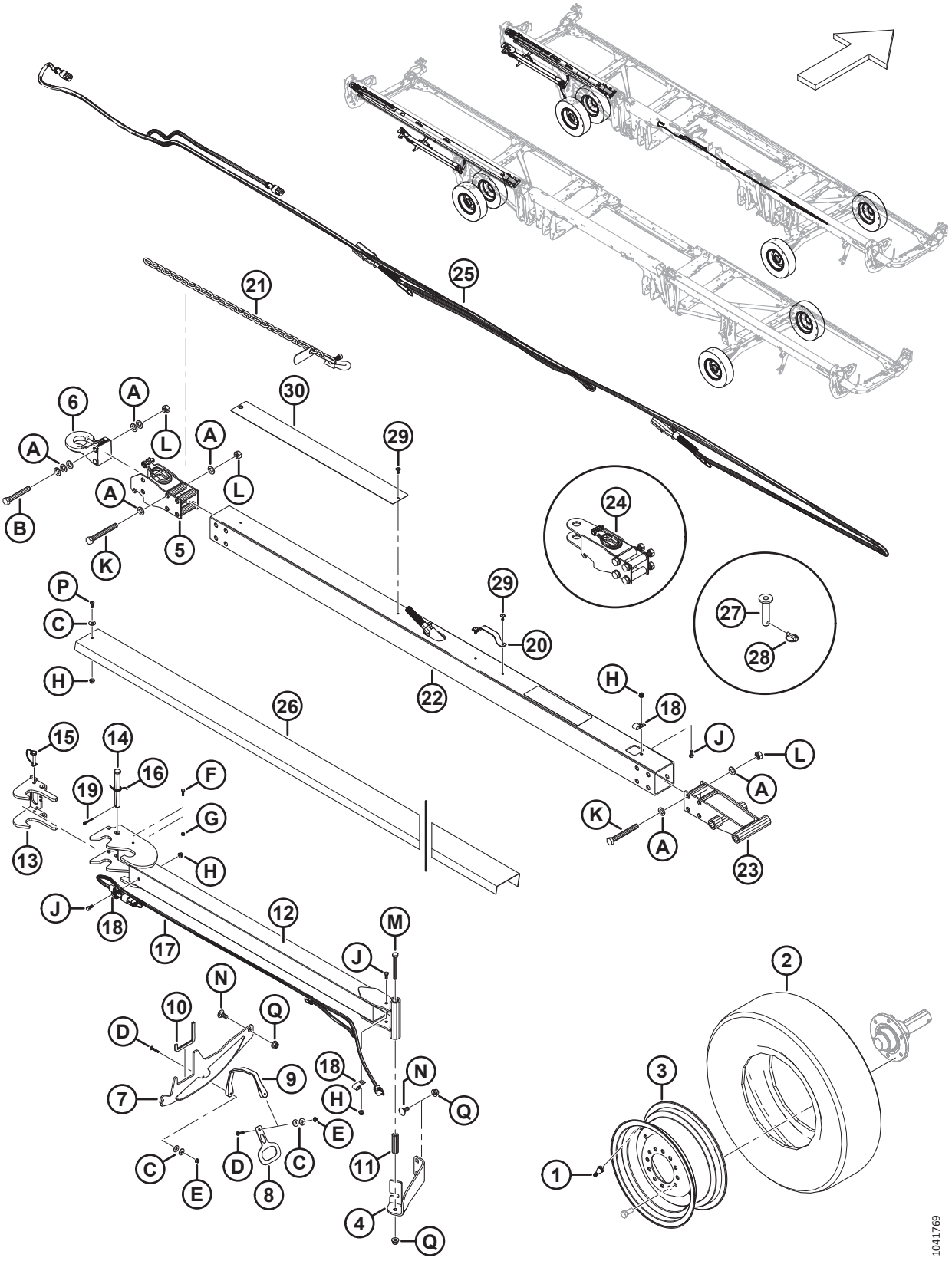
293. The hub assembly includes cotter pin (MD #18608), lube fitting (MD #18671), six wheel bolts (MD #18916), dust cap (MD #30520), hub (MD #316847), spindle (MD #316848), wheel bearing kit (MD #316851), slotted nut (MD #316859), and washer (MD #316860).
294. The kit includes bearings (NSS) and seal (NSS).
295. The pivot support assembly includes two composite bushings (MD #210661) and two composite bushings (MD #133992).
296. The dampener includes composite bushing (MD #133992).
297. The latch assembly includes latch (NSS) and handle grip (MD #327534).


1038547

Ref	Part Number	Description	Qty	Serial Number
69	327738	ARM SUPPORT – ASSY [298]	1	
70	303341	CAST SUPPORT – ASSY [299]	1	
71	303283	PIVOT – ASSY [300]	2	
72	327600	BUSHING – COMPOSITE	4	
73	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	1	
74	144724	SPRING – EXTENSION	4	
	316649	DECAL – HEIGHT SETTING, LH	1	
	316639	DECAL – HEIGHT SETTING, RH	1	
	327086	DECAL – ENERGY RELEASE	2	
	165524	REFLECTOR – RED	2	
	302204	**DECAL – CA PROPOSITION 65**	**1**	
A	320011	BOLT – HEX HD M16 X 2 X 240-10.9-ZINC		
B	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
C	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
D	303251	BOLT – 19 MM SHLDR M12 SPCL		
E	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
F	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
G	136857	SCREW – HEX SOC CSK HD TFL M10 X 1.5 X 30-ZINC		
H	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
J	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	135369	WASHER – HARDENED ASTM F436 1/2		
M	135156	NUT – HEX M12 X 1.75-10-AA1J		
N	320154	SCREW – PAN HD DIN 7985 M4 X 0.7 X 35-4.8-ZINC BLACK		
P	18798	WASHER – FLAT SAE 7/32 ID X 7/16 IN OD AA1J		
Q	197320	NUT – HEX NYLOC M4 X 0.7-8-AA1J		
R	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL - AA1J		
S	316860	WASHER		
T	316859	NUT – SLOTTED		
U	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
V	210918	WASHER – THRUST		
W	184708	WASHER – FLAT M8-200HV-AA1J		
X	136446	NUT – HEX SLTD FINE M24 X 1.5-SPCL-22HA-ZINC		
Y	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
Z	327710	WASHER – THRUST		
AA	152702	BOLT – RHSN M12 X 1.75 X 30-8.8-AA1J		

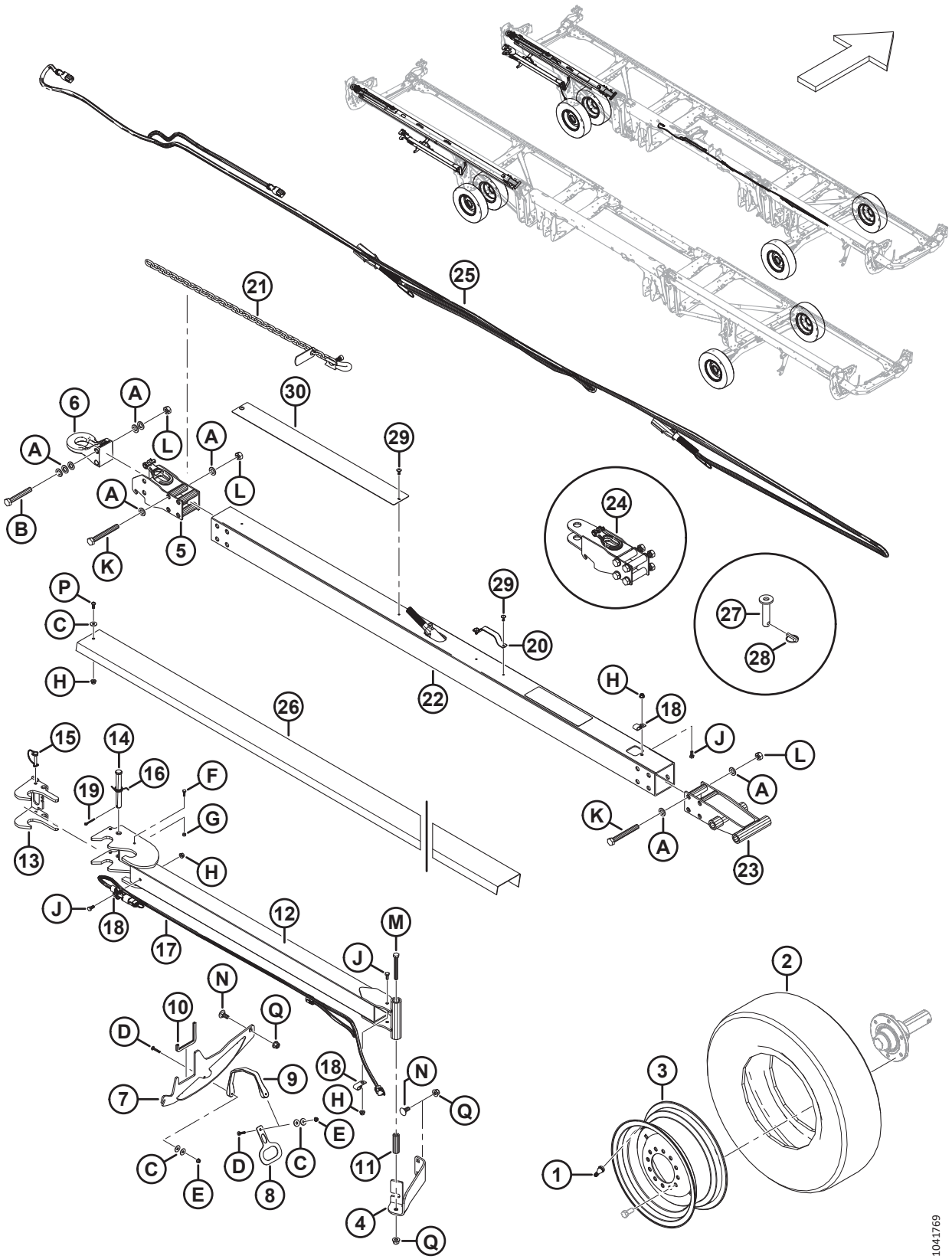
298. The arm support assembly includes arm support (NSS) and two composite bushings (MD #210690).
299. The support assembly includes support (NSS), two composite bushings (MD #133992), and two composite bushings (MD #210690).
300. The pivot assembly includes pivot (NSS), two composite bushings (MD #210661), and two composite bushings (MD #327600).

108 (Option) EasyMove™ – Slow Speed Transport, Wheels, Tires, and Tow Poles



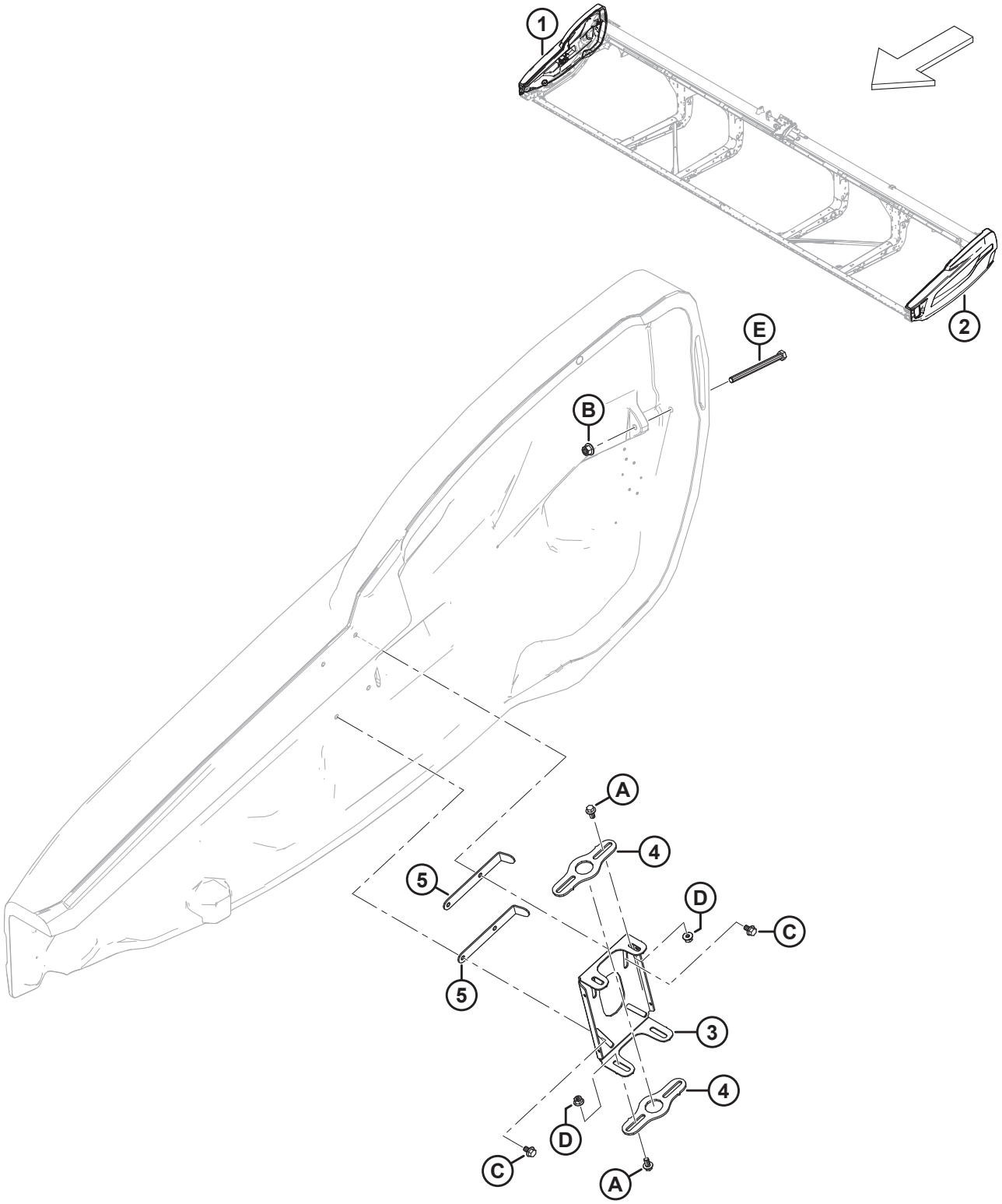
Ref	Part Number	Description	Qty	Serial Number
	B7398	**EASYMOVE™ SLOW SPEED TRANSPORT – WHEELS AND TIRES** [301]		
1	230968	STEM – TIRE VALVE ASSY #TR-416	2	
2	**327808**	**TIRE – ST 225/75 R15 LRF**	**2**	
3	**327807**	**WHEEL – 15 X 6 WHITE** [302]	**2**	
	144531	WHEEL – 15 X 6 LB [303]	**A/R**	
	327802	**DECAL – TIRE PRESSURE, 655 KPA (95 PSI)** [304]	**2**	
	327717	DECAL – TIRE PRESSURE**, 552 KPA (80 PSI)** [305]	**A/R**	
	C2173	**EASYMOVE™ SLOW SPEED TRANSPORT – LONG TOW POLE** [301]		
	B7392	EASYMOVE™ SLOW SPEED TRANSPORT – LONG TOW POLE [301]		
4	327649	ANGLE – SUPPORT	1	
5	327694	HITCH – BASE	1	
6	113566	HITCH – PINTLE	1	
7	327771	WELDMENT – SUPPORT	1	
8	327304	PLATE – HANDLE	1	
9	193187	STRAP – RUBBER	1	
10	141220	SEAL – EDGE TRIM	1	
11	327294	TUBE	1	
12	327740	HITCH, EXTENSION – WELDT	1	
13	327739	LATCH – WELDT	1	
14	320213	PIN – CLEVIS	1	
15	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	1	
16	303169	SPRING – TORSION	1	
17	284549	HARNESS – TRANSPORT EXT HITCH	1	
18	39272	CLIP – INSULATED	3	
19	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	1	
20	327563	HANDLE	2	
21	327532	CHAIN – SAFETY	1	
22	**327696**	**TUBE – HITCH, LONG**	**1**	
23	327692	HITCH, END – WELDT	1	
24	327664	ASSY – CLEVIS HITCH	1	
25	284550	HARNESS – TRANSPORT LIGHTS	1	
26	**327817**	**SUPPORT – CHANNEL, LONG**	**1**	
27	118239	PIN – HITCH	1	
28	113561	PIN – LYNCH	1	

301. Kits are available through Whole Goods only.
302. Wheel MD #327807 is used with tire MD #327808.
303. Wheel MD #144531 remains available as a service part for superseded tire MD #230483. Wheel MD #144531 is **NOT** included in Tires kit B7398.
304. Tire pressure decal MD #327802 (655 kPa [95 psi]) is used with tire MD #327808.
305. Tire pressure decal MD #327717 (552 kPa [80 psi]) remains available as a service part for superseded tire MD #230483.


1041769

Ref	Part Number	Description	Qty	Serial Number
29	320039	RIVET – POP 4.8 MM X 27.2 MM	6	
30	327659	PLATE – WEAR	1	
	327588	DECAL – HITCH DAMAGE HAZARD	1	
A	184717	WASHER – FLAT REG M16-200HV-AA1J		
B	**184679**	**BOLT – HEX HD M16 X 2 X 110-10.9-AA1J**		
C	184709	WASHER – FLAT LARGE M8-200HV		
D	184643	BOLT – RHSSN M6 X 1.0 X 35-8.8-AA1J		
E	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
F	184646	BOLT – HEX HD TFL M6 X 1 X 20-8.8-AA1J		
G	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
H	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
J	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
K	320219	BOLT – HEX HD M16 X 2 X 130-12.9-ZINC		
L	320208	NUT – HEX TOP LOCK M16 X 2-12-ZINC		
M	184672	BOLT – HEX HD M12 X 1.75 X 100-10.9-AA1J		
N	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
P	320176	SCREW – HEX SOC BTN HD M8 X 1.25 X 20-10.9-AA1J		
Q	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

109 (Option) Endshield Conversion Kits



1040558

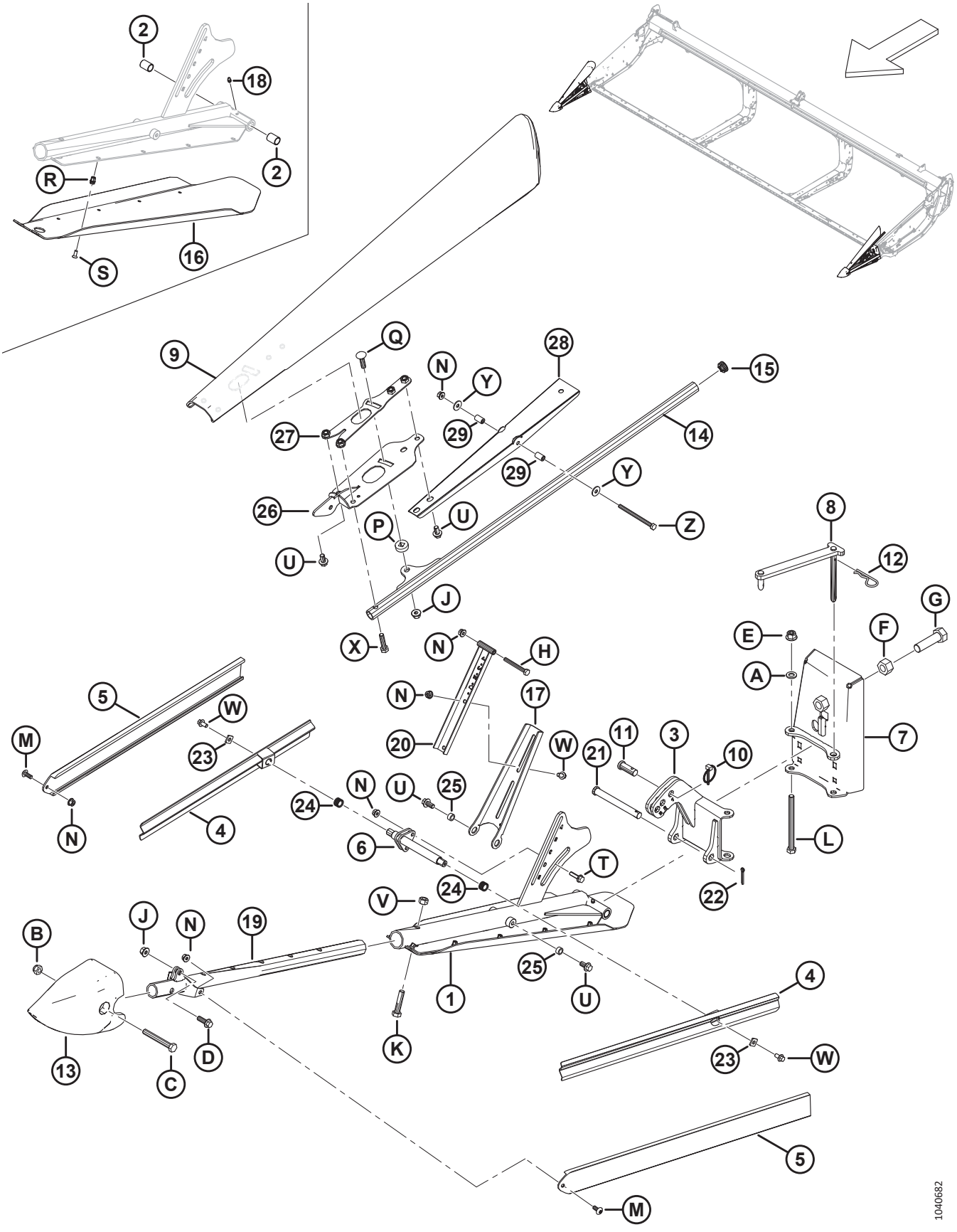
NOTE:

The endshields in these conversion kits are shipped with common decals only. To order individual product identification decals, refer to the sections specified in the footnotes for each endshield. To order reflectors for the right endshields, refer to Section *86 Decals and Reflectors – D2 Series, page 187*.

Ref	Part Number	Description	Qty	Serial Number
	B7401	KIT – BLACK ENDSHIELD CONV [306]		
	B7402	KIT – RED ENDSHIELD CONV [306]		
	B7403	KIT – YELLOW ENDSHIELD CONV [306]		
1	360555	SHIELD ASSY – BLACK, RH [307]	1	
	360448	SHIELD ASSY – CIH AG RED, RH [308]	1	
	360449	SHIELD ASSY – NH YELLOW, RH [309]	1	
2	360554	SHIELD ASSY – BLACK, LH [307]	1	
	360552	SHIELD ASSY – CIH AG RED, LH [308]	1	
	360553	SHIELD ASSY – NH YELLOW, LH [309]	1	
3	313432	PIVOT – SHIELD RH	1	
	313303	PIVOT – SHIELD LH	1	
4	313304	PIVOT	4	
5	313783	RETAINER	4	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		

306. Kits are available through Whole Goods only.
307. Refer to Section *87 Decals – Product Identification, page 189* for MacDon product identification decals.
308. Refer to Section *88 Decals – Product Identification, Case, page 191* for Case product identification decals.
309. Refer to Section *89 Decals – Product Identification, New Holland, page 193* for New Holland product identification decals.

110 (Option) Floating Crop Dividers

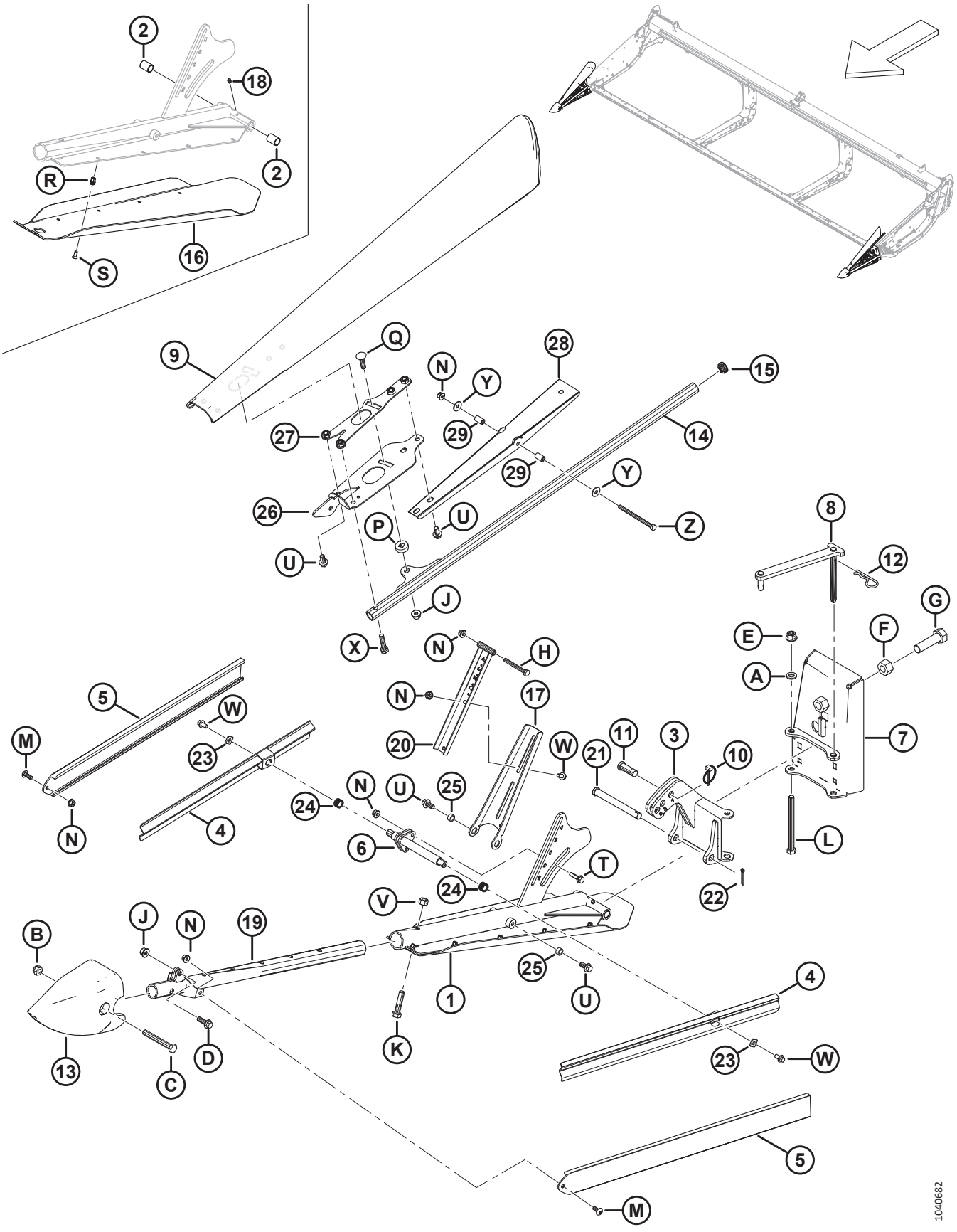


(OPTION) FLOATING CROP DIVIDERS

Ref	Part Number	Description	Qty	Serial Number
	B7346	KIT – FLOATING END DIVIDERS [310]		
1	360072	ASSY – LH SHOE SUPPORT [311]	1	
	360114	ASSY – RH SHOE SUPPORT [312]	1	
2	258391	BUSHING	4	
3	360079	HINGE WELDT – LH	1	
	360119	HINGE WELDT – RH	1	
4	360077	RAIL – DEFLECTOR WELDT	4	
5	360122	DEFLECTOR – EXTRUDED	4	
6	360106	WELDT – SIDE SUPPORT	2	
7	360069	REAR PLATE WELDT – LH	1	
	360134	REAR PLATE WELDT – RH	1	
8	360004	LINK WELDT – LH	1	
	360168	LINK WELDT – RH	1	
9	**360723**	**DEFLECTOR – LH**	**1**	
	360939	**KIT – DEFLECTOR, LH** [313]	**A/R**	
	360848	**DEFLECTOR – RH**	**1**	
	360940	**KIT – DEFLECTOR, RH** [314]	**A/R**	
10	102264	PIN – LYNCH 3/16 X 1 9/16 IN.	2	
11	18619	PIN – CLEVIS	2	
12	13125	PIN – HAIR	2	
13	313461	CONE – DIVIDER	2	
14	360103	TUBE – WELDMENT	2	
15	335301	PLUG – PLASTIC, SNAP-IN	2	
16	340212	SHOE – LH	1	
	340210	SHOE – RH	1	
17	360110	SUPPORT – LH TOP DEFLECTOR	1	
	360120	SUPPORT – RH TOP DEFLECTOR	1	
18	18671	FTITTING – LUBE 1/4-28 UNF	2	
19	360076	SUPPORT WELDT – FRONT	2	
20	360108	DEFLECTOR SUPPORT	2	
21	49378	PIN – CLEVIS	2	
22	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
23	233841	SUPPORT – DEFLECTOR	4	
24	26429	SPRING – COMPRESSION	4	

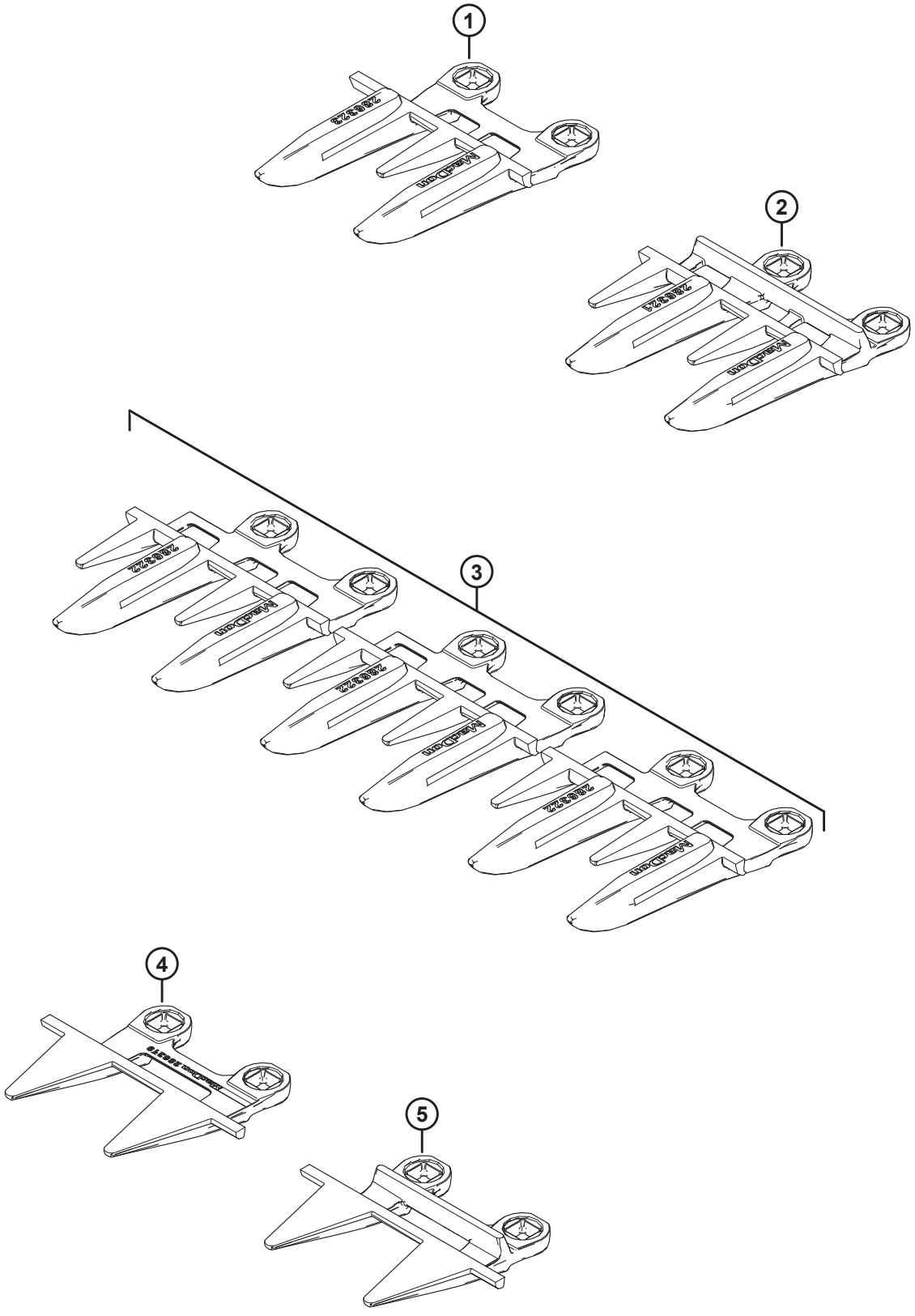
310. Kits are available through Whole Goods only.
311. The assembly includes LH support weldment (NSS), LH shoe (MD #340212), grease fitting (MD #18671), two bushings (MD #258391), ten screws (MD #320220), and ten rivnuts (MD #320404).
312. The assembly includes RH support weldment (NSS), RH shoe (MD #340210), grease fitting (MD #18671), two bushings (MD #258391), ten screws (MD #320220), and ten rivnuts (MD #320404).
313. The LH Deflector kit is used to service superseded LH deflector (MD #360095). The kit Includes deflector channel (MD #360850), left retainer (MD #360734), left deflector (MD #360723), left support (MD #360720), two pivot tubes (MD #360847), hardware, and instructions.
314. The RH Deflector kit is used to service superseded RH deflector (MD #360081). The kit includes deflector channel (MD #360850), right retainer (MD #360863), right deflector (MD #360848), right support (MD #360862), two pivot tubes (MD #360847), hardware, and instructions.

(OPTION) FLOATING CROP DIVIDERS



Ref	Part Number	Description	Qty	Serial Number
25	19542	SPACER	4	
26	**360720**	**SUPPORT – LH WELDMENT**	**1**	
	360862	**SUPPORT – RH WELDMENT**	**1**	
27	**360734**	**RETAINER – LH WELDMENT**	**1**	
	360863	**RETAINER – RH WELDMENT**	**1**	
28	**360850**	**CHANNEL – TOP DEFLECTOR**	**2**	
29	**360847**	**TUBE – PIVOT**	**4**	
A	184714	WASHER – FLAT REG M12-300HV		
B	184695	NUT – HEX NYLOC M12 X 1.75-8-AA1J		
C	184673	BOLT – HEX HD M12 X 1.75 X 90-10.9-AA1J		
D	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
E	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
F	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		
G	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
H	184656	BOLT – HEX HD M8 X 1.25 X 70-8.8-AA1J		
J	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
K	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
L	135696	BOLT – HEX HD M12 X 1.75 X 150-8.8-AA1J		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
N	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
P	360105	WASHER – SPECIAL		
Q	**152732**	**BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J**		
R	320404	RIVNUT – M6 X 1.0 HEX 1.0-3.5		
S	320220	SCREW – TORX CSK HD TFL M6 X 1 X 16-SPCL-8.8-ZINC		
T	252655	BOLT – HEX FLG HD TFL M8 X 1.25 X 30-8.8-AA1J		
U	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
V	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
W	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
X	135319	BOLT – HEX HD M10 X 1.5 X 40-8.8-AA1J		
Y	**184709**	**WASHER – FLAT LARGE M8-200HV**		
Z	**135523**	**BOLT – HEX HD M8 X 1.25 X 110-8.8-AA1J**		

111 (Option) Four-Point Guard Kits, Single Knife



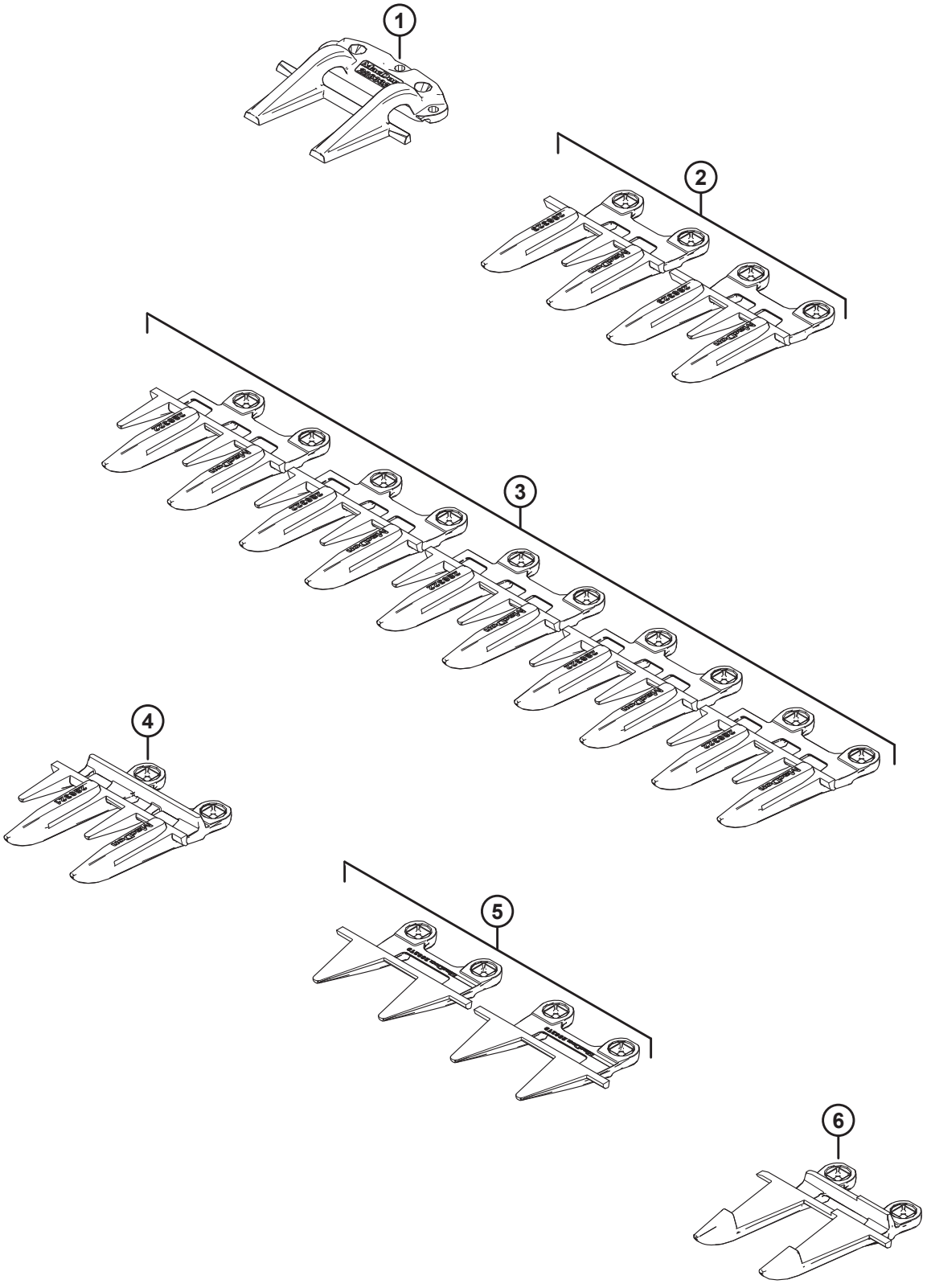
1039619

(OPTION) FOUR-POINT GUARD KITS, SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286690	KIT – 4 POINT GUARDS 25 FT SK		
	286691	KIT – 4 POINT GUARDS 30 FT SK		
	286692	KIT – 4 POINT GUARDS 35 FT SK		
1	286323	KNIFE GUARD – 4-POINT SPECIAL [315]	1	
2	286321	KNIFE GUARD – 4-POINT [316]		
3	286322	KNIFE GUARD – 4-POINT END [317]	3	
4	286319	KNIFE GUARD – PLUGFREE END [317]	1	
5	286318	KNIFE GUARD – PLUGFREE [315]	1	

315. Used at the right end of the header.
316. Quantities: D225 = 44, D230 = 54, D235 = 64.
317. Used at the drive end of the header.

112 (Option) Four-Point Guard Kits, Double Knife



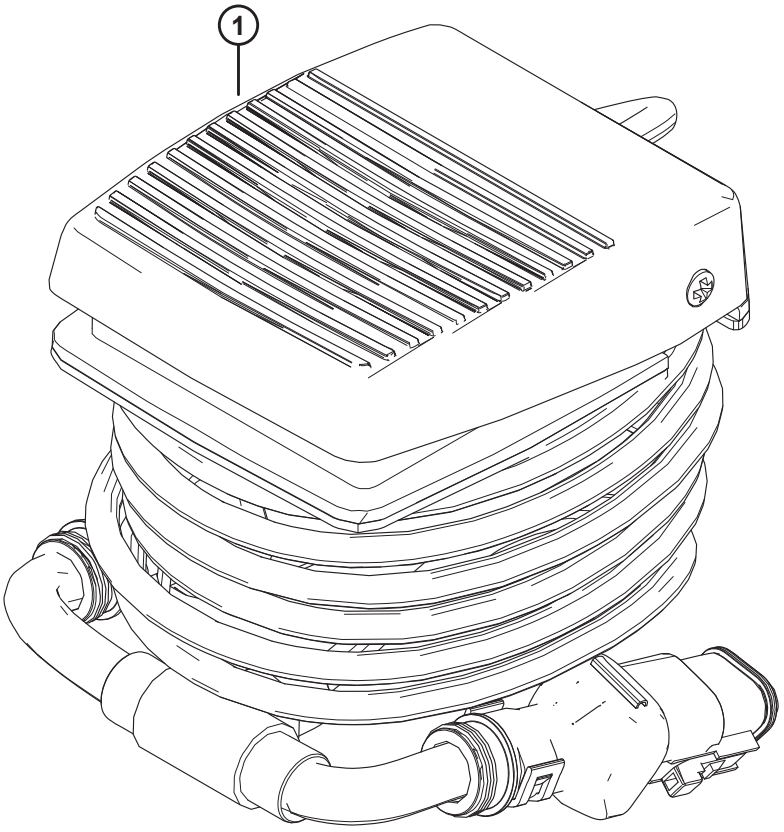
1039618

(OPTION) FOUR-POINT GUARD KITS, DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	286836	KIT – 4 POINT GUARDS 15 FT DK		
	286837	KIT – 4 POINT GUARDS 20 FT DK		
	286687	KIT – 4 POINT GUARDS 41 FT DK		
	286688	KIT – 4 POINT GUARDS 45 FT DK		
1	286332	HOLD-DOWN – POINTED CENTER [318]	1	
2	286323	KNIFE GUARD – 4-POINT SPECIAL [319]	2	
3	286322	KNIFE GUARD – 4-POINT END [320]	5	
4	286321	KNIFE GUARD – 4-POINT [321]		
5	286319	KNIFE GUARD – PLUGFREE END [322]	2	
6	286317	KNIFE GUARD – POINTED CENTER [318]	1	

318. Used near the center of the header.
319. One 4-point special knife guard is used at the right end of the header, and to the left of the pointed center knife guard and pointed center hold-down.
320. Three 4-point end knife guards are used at the drive end of the header, and two 4-point end knife guards are used at the right end of the header.
321. Quantities: D240 = 70, D245 = 80.
322. One PlugFree™ end knife guard is used at each end of the header.

113 (Option) Header Tilt Foot Switch



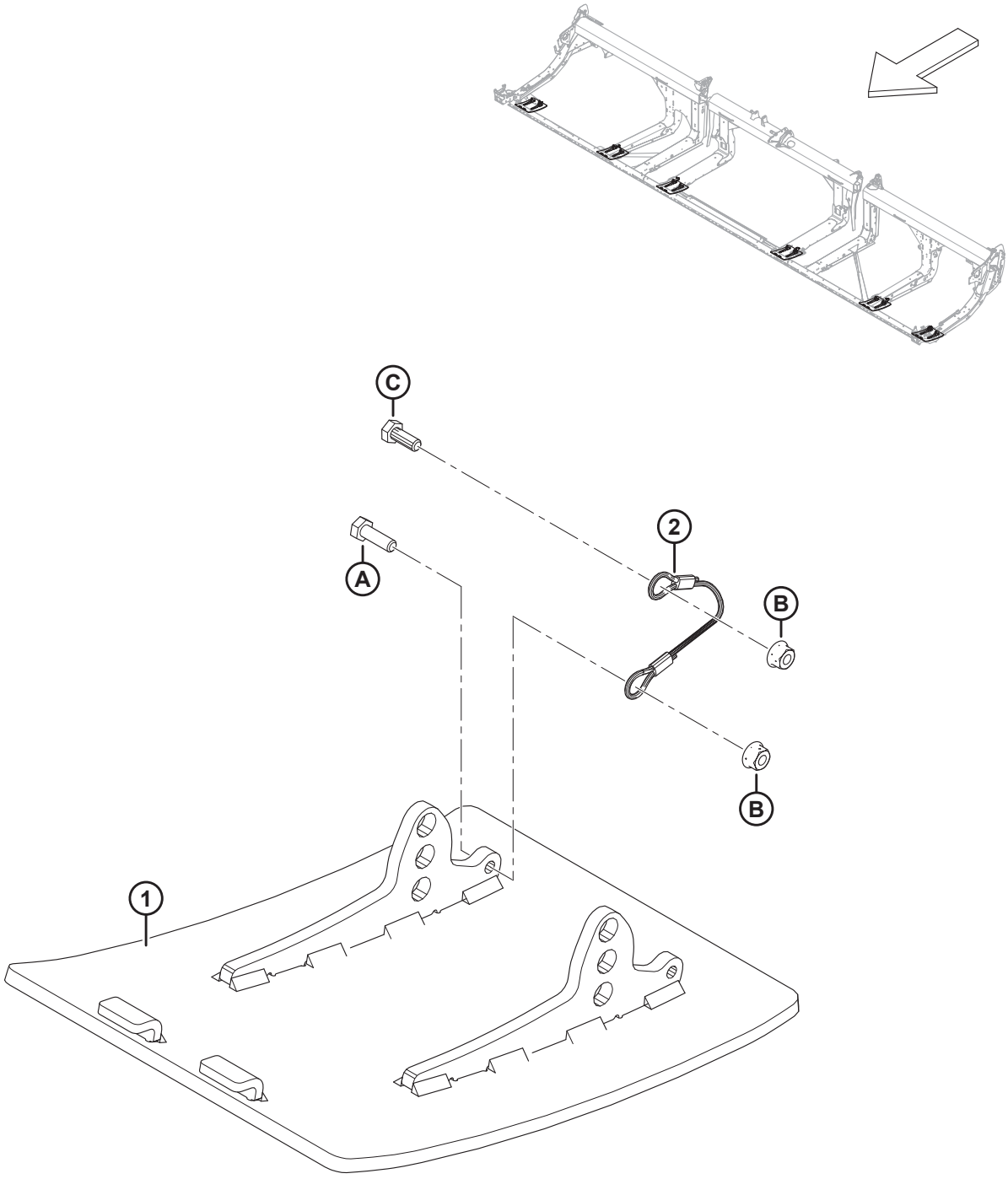
1035065

(OPTION) HEADER TILT FOOT SWITCH

Ref	Part Number	Description	Qty	Serial Number
	B7040	KIT – FOOTSWITCH TILT/FOREAFT [323]		
1	314581	HARNESS – FOOT PEDAL	1	
	335563	DECAL – CONTOUR WHL FT SWITCH	1	
	335564	DECAL – TILT CONTROL FOOT SW	1	

323. Optional in-cab foot switch is used to activate header tilt for John Deere and Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines. Kits are available through Whole Goods only.

114 (Option) High Wear Skid Shoes



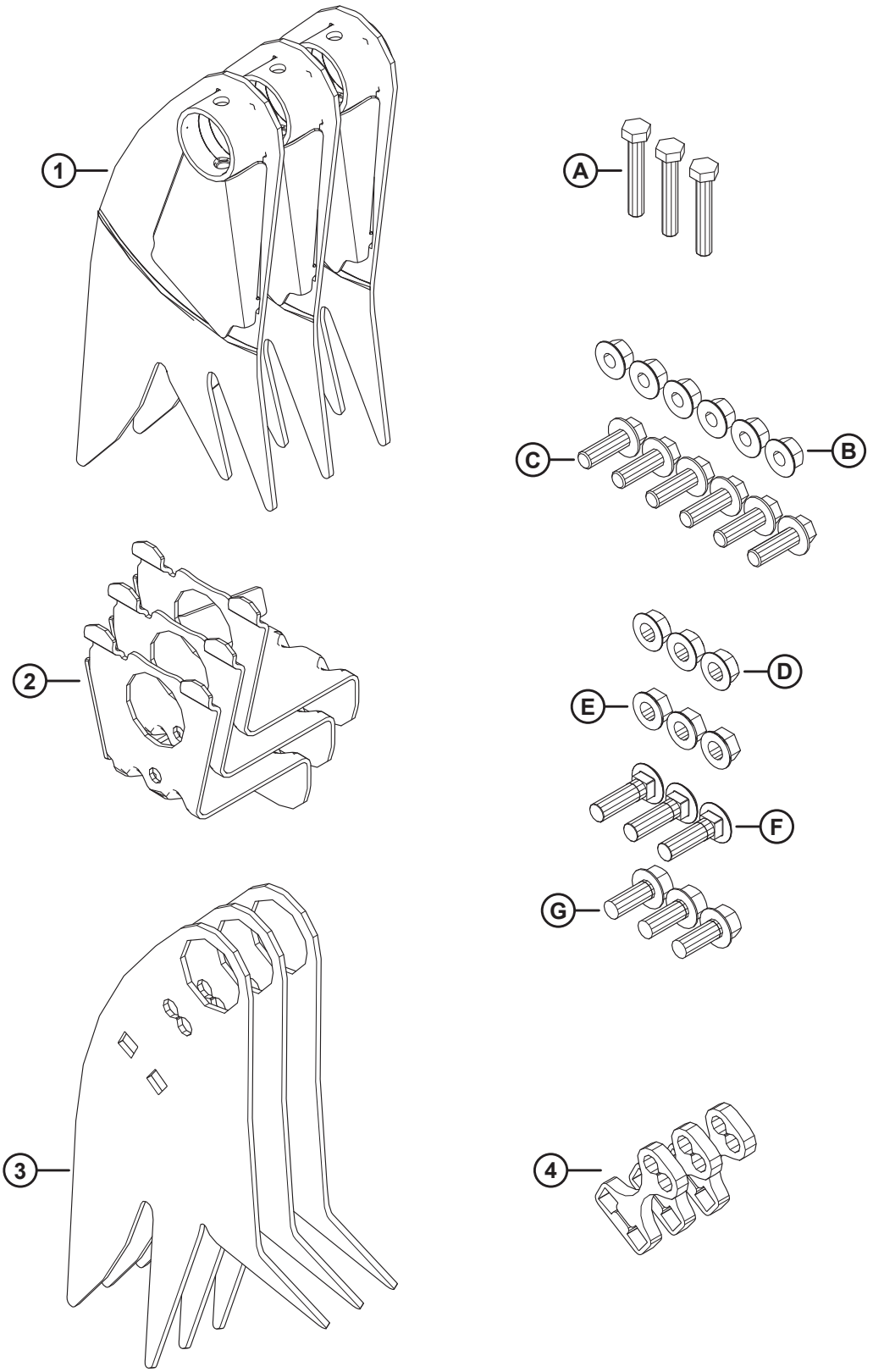
1034768

(OPTION) HIGH WEAR SKID SHOES

Ref	Part Number	Description	Qty	Serial Number
	B6801	KIT – HIGH WEAR, ABRASION RESISTANT STEEL SKID SHOES [324]		
1	313374	WELDT – HIGH WEAR SHOE	2	
2	312673	CABLE – STOP	2	
A	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	30715	BOLT – HEX HD TFL		

324. The kit includes two high wear steel skid shoes, two cable stops, hardware, and instructions. Two kits are required for D225 headers. Three kits are required for D230 and larger headers. Kits are available through Whole Goods only.

115 (Option) Lodged Crop Reel Fingers



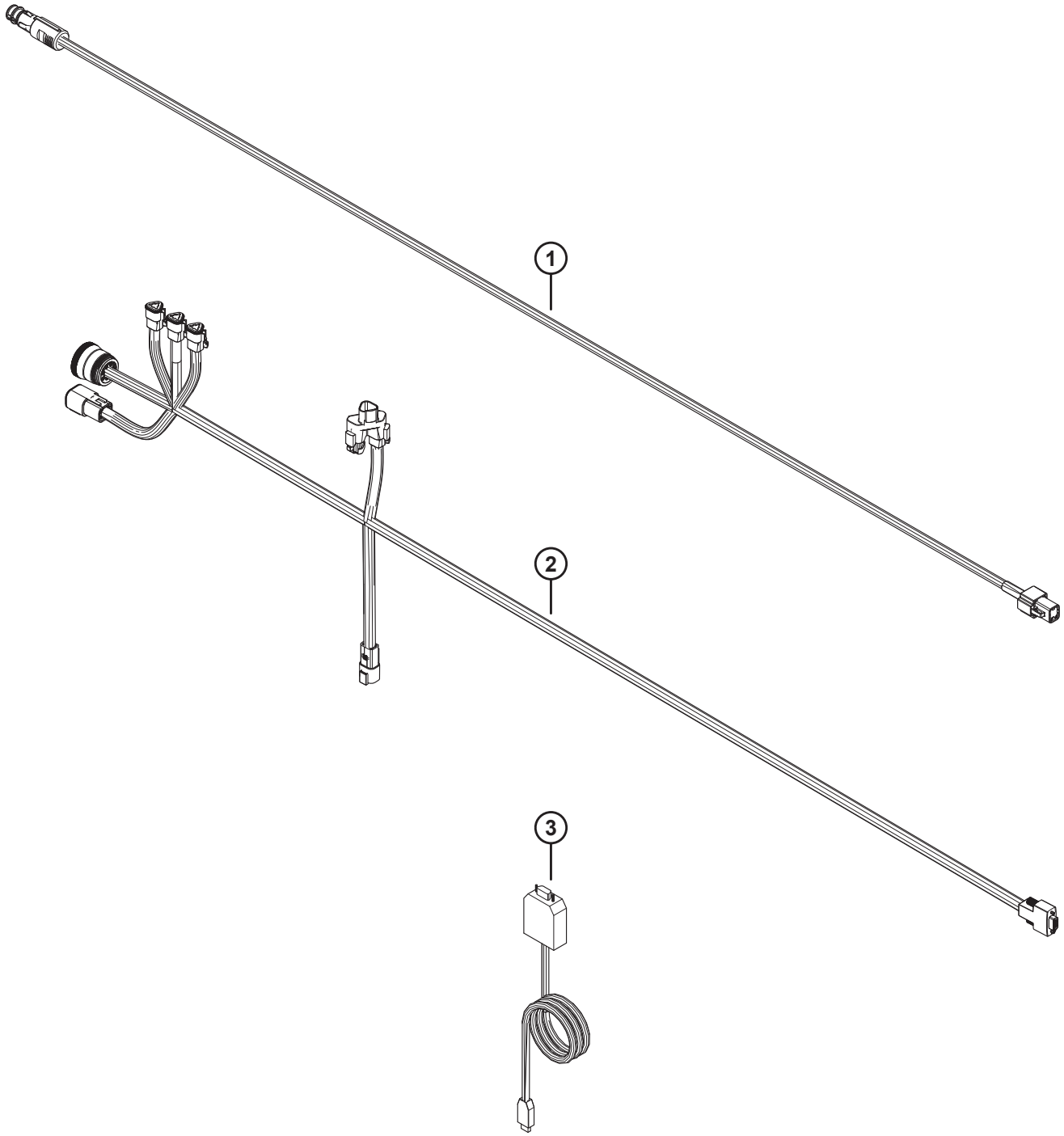
1041518

(OPTION) LODGED CROP REEL FINGERS

Ref	Part Number	Description	Qty	Serial Number
	B7230	**KIT – LODGED CROP FINGER** [325]		
1	**360045**	**WELDT – TAIL END RIGID FINGER**	**3**	
2	**340091**	**SUPPORT – WELDT**	**3**	
3	**360044**	**FINGER – RIGID**	**3**	
4	**273615**	**SHIM**	**3**	
A	**184664**	**BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J**		
B	**184697**	**NUT – HEX SER FLG M12 X 1.75-8-AA1J**		
C	**152731**	**BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-AA1J**		
D	**21383**	**NUT – FLG SER FACE 1/2-13 UNC GR5 AA1J**		
E	**50186**	**NUT – FLG LK DT 1/2-13 UNC GR5 AA1J**		
F	**30515**	**BOLT – RHSN 1/2-13 X 1.75-GR5-AA1J**		
G	**30368**	**BOLT – HH FLG SER 1/2-13 X 1.25-GR5-AA1J**		

325. The Lodged Crop Reel Fingers kit includes three fingers for the cam end of the reel, three fingers for the tail end of the reel, three supports, three shims, all listed hardware, and instructions. Lodged crop reel fingers are **NOT** compatible with the Wide Draper Deflector kit. Kits are available through Whole Goods only.

116 (Option) Module Programming Kit



(OPTION) MODULE PROGRAMMING KIT

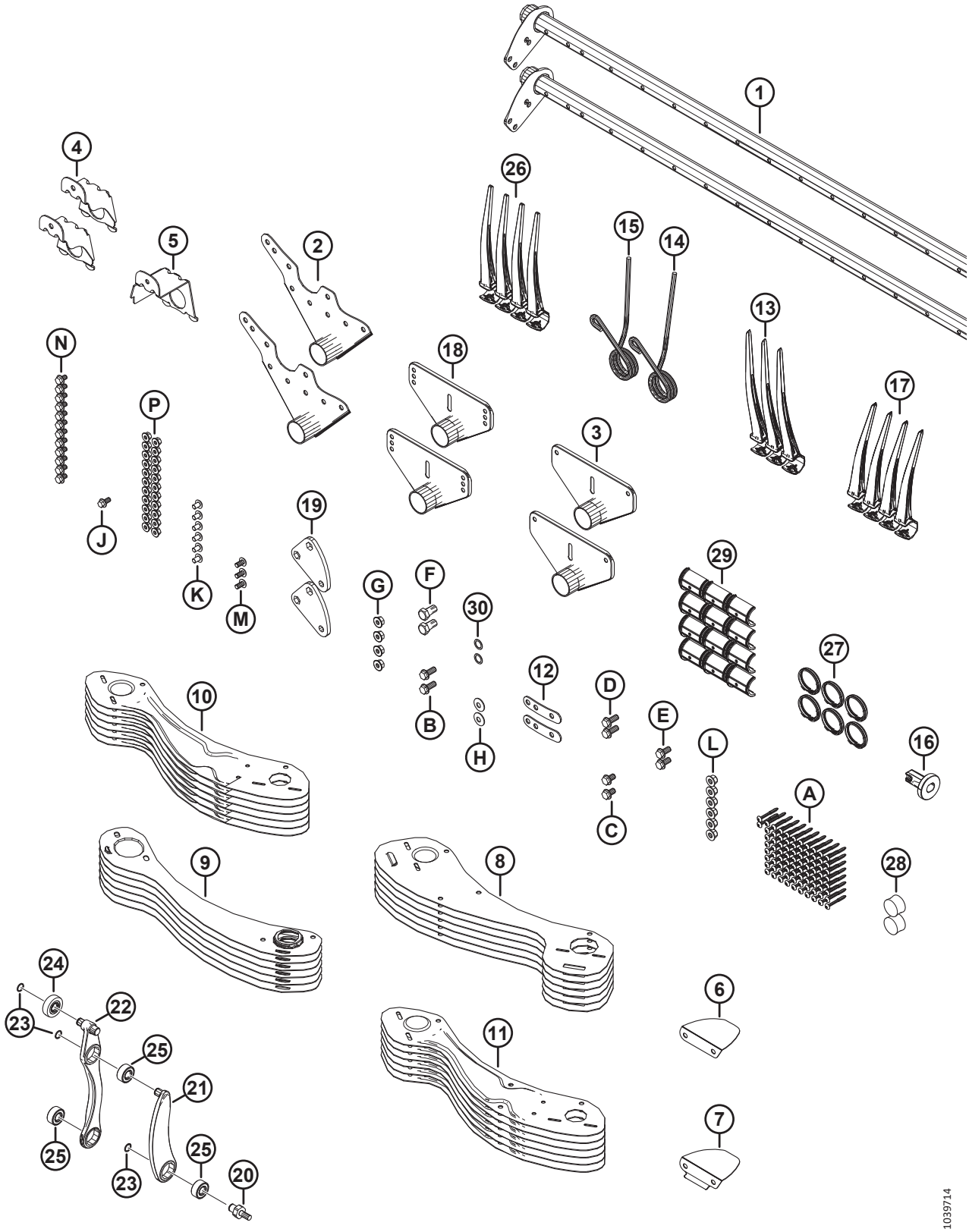
NOTE:

This kit is for FM200 Float Modules configured for John Deere X9 Series combines and is for Dealer use only.

Ref	Part Number	Description	Qty	Serial Number
	368385	**KIT – MODULE PROGRAMMING** [326]		
1	**308943**	**HARNESS – EXT CAB PWR BOSCH/AUS**	**1**	
2	**500557**	**HARNESS – DIAG., PROGRAMMING**	**1**	
3	**500593**	**CABLE – PCAN TO USB**	**1**	

326. The Module Programming kit includes all listed parts and instructions. This kit is for Dealer use only.

117 (Option) Reel Tine Tube Conversion Kits – Double Reel, 5 Bat to 6 Bat

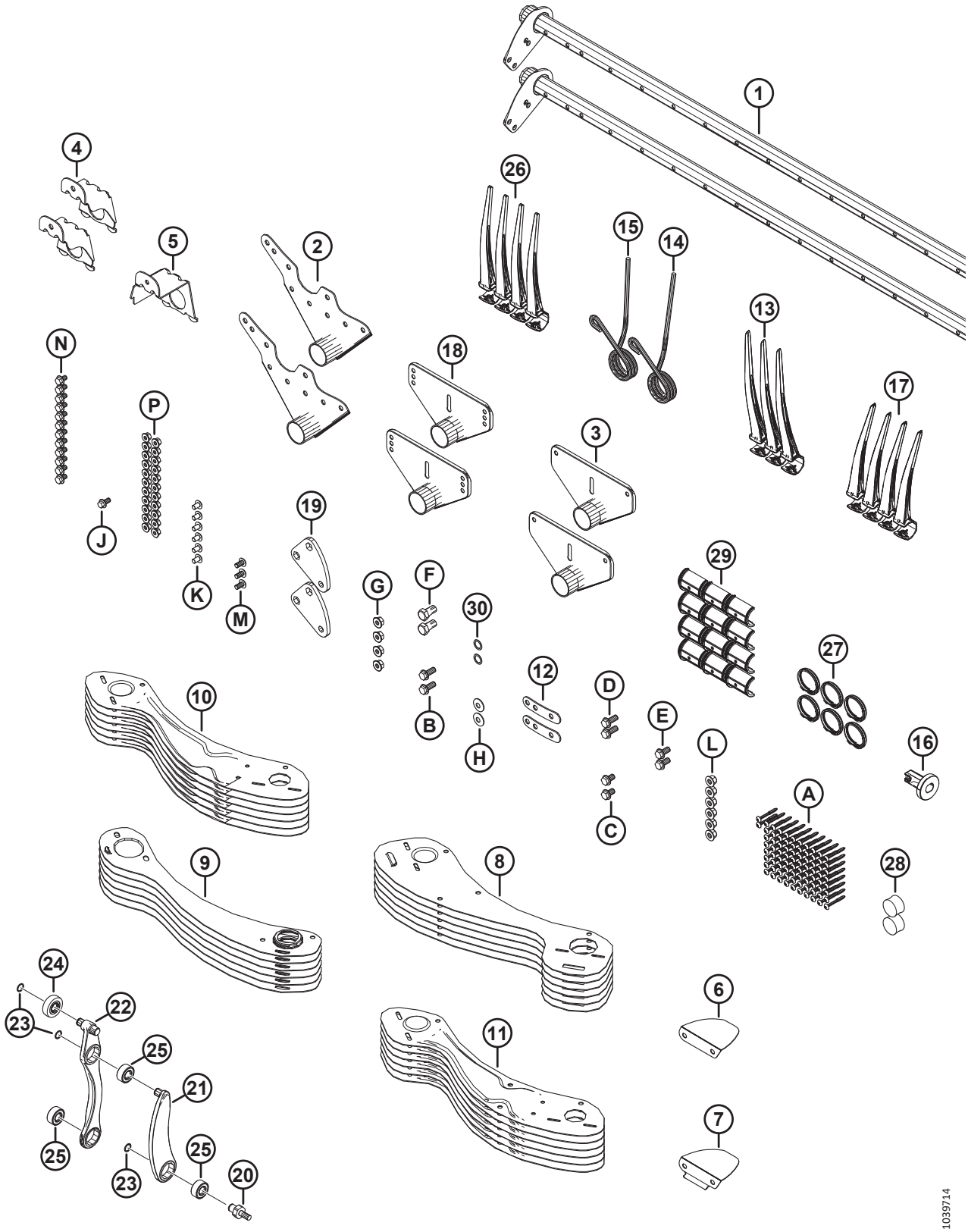


(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT

Ref	Part Number	Description	Qty	Serial Number
	B7359	KIT – 41FT DR 5B TO 6B CONV. [327]		
1	311306	TINE TUBE – 41FT DR WIDE	2	
2	335924	ARM WELDT – CAM END	2	
3	311347	ARM WELDT – TAIL END	2	
4	311964	SUPPORT – WELDT CAM END	2	
5	311965	SUPPORT – WELDT TAIL END	1	
6	311906	DEFLECTOR – CAM INBOARD	1	
7	311729	DEFLECTOR – CAM OUTBOARD	1	
8	273813	SHIELD – 6 BAT LH REEL CAM END	6	
9	311822	SHIELD – 6 BAT RH REEL TAIL END	6	
10	311753	SHIELD – OUTBOARD LH 6 BAT	6	
11	311752	SHIELD – OUTBOARD RH 6 BAT	6	
12	311672	STRAP	2	
13	311524	FINGER – PLASTIC, LH ANGLED, 52 MM (PKG OF 10)	2	
14	311327	FINGER – CAM END BENT	1	
15	311325	FINGER – CAM END OUTBOARD	1	
16	273968	BUSHING – ENDSHIELD	1	
17	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	4	
18	273523	ARM WELDT – MID SPAN	4	
19	228319	ARM – CRANK MACHINING	2	
20	340146	STUD	2	
21	311615	ARM – ASSEMBLY [328]	2	
22	311617	ARM – TINE CONTROL ASSY [329]	2	
23	273536	RING – RETAINING	6	
24	273524	BEARING – CAM FOLLOWER	2	
25	273347	BEARING	6	
26	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	106	
27	220941	CLAMP – TINE TUBE BUSHING-CENTER RIB (BOX OF 5)	8	
28	137980	PLUG – TINE TUBE	3	
29	220939	TINE TUBE BUSHING (BOX OF 25)	16	
30	137529	SHIM – CRANK BEARING	2	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-ZINC		
D	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
E	320175	BOLT – HEX FLG HD TFLM12 X 1.75 X 25-SPCL-8.8-ZINC		
F	228316	BOLT – HEX HD M16 X 1.5 X 30-SPCL-8.8-ZINC		
G	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		
H	184597	WASHER – CON SPRING M12-ZINC		

327. Kits are available through Whole Goods only.
328. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).
329. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).

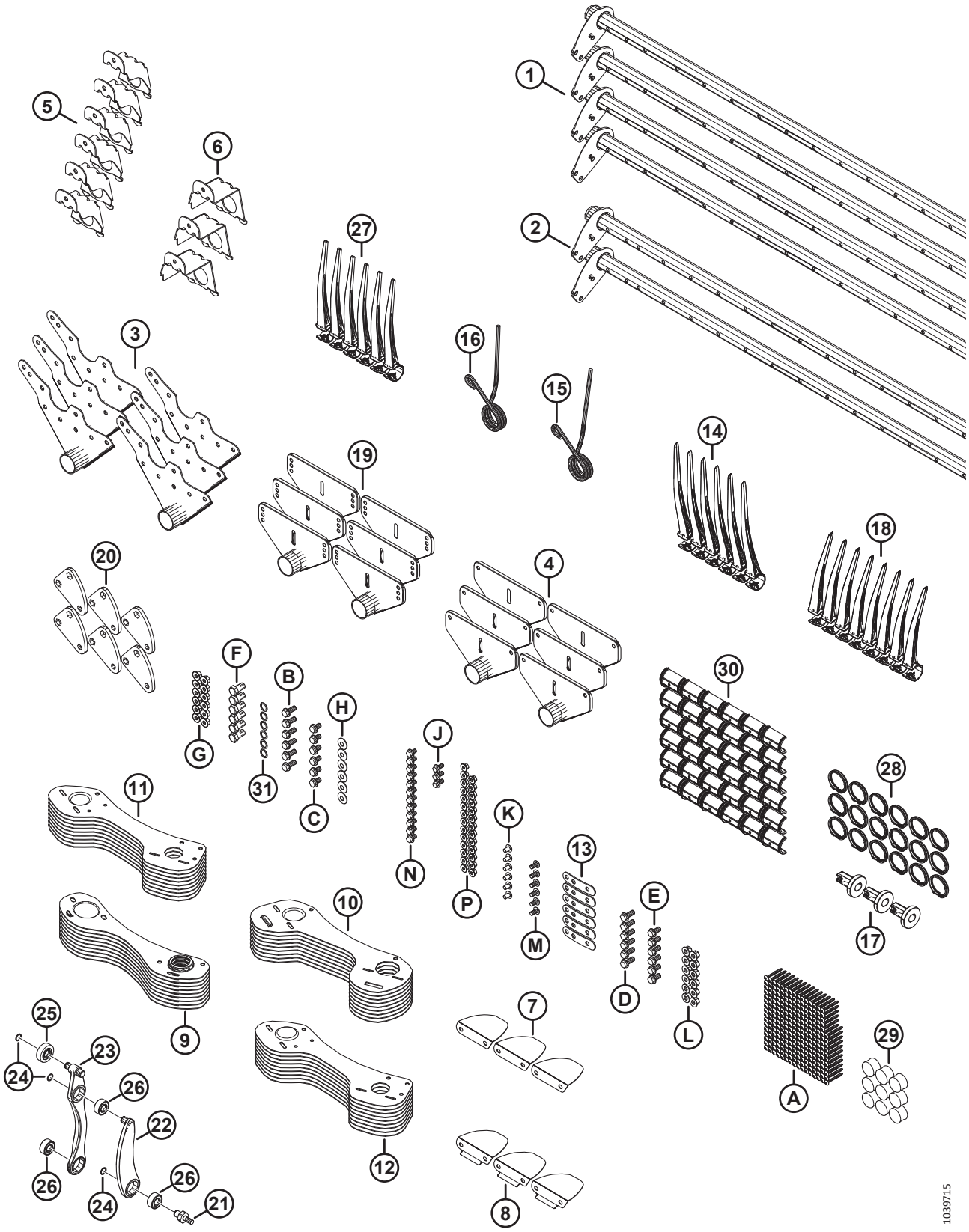
(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT



(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 5 BAT TO 6 BAT

Ref	Part Number	Description	Qty	Serial Number
J	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
K	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
N	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
P	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

118 (Option) Reel Tine Tube Conversion Kits – Double Reel, 6 Bat to 9 Bat

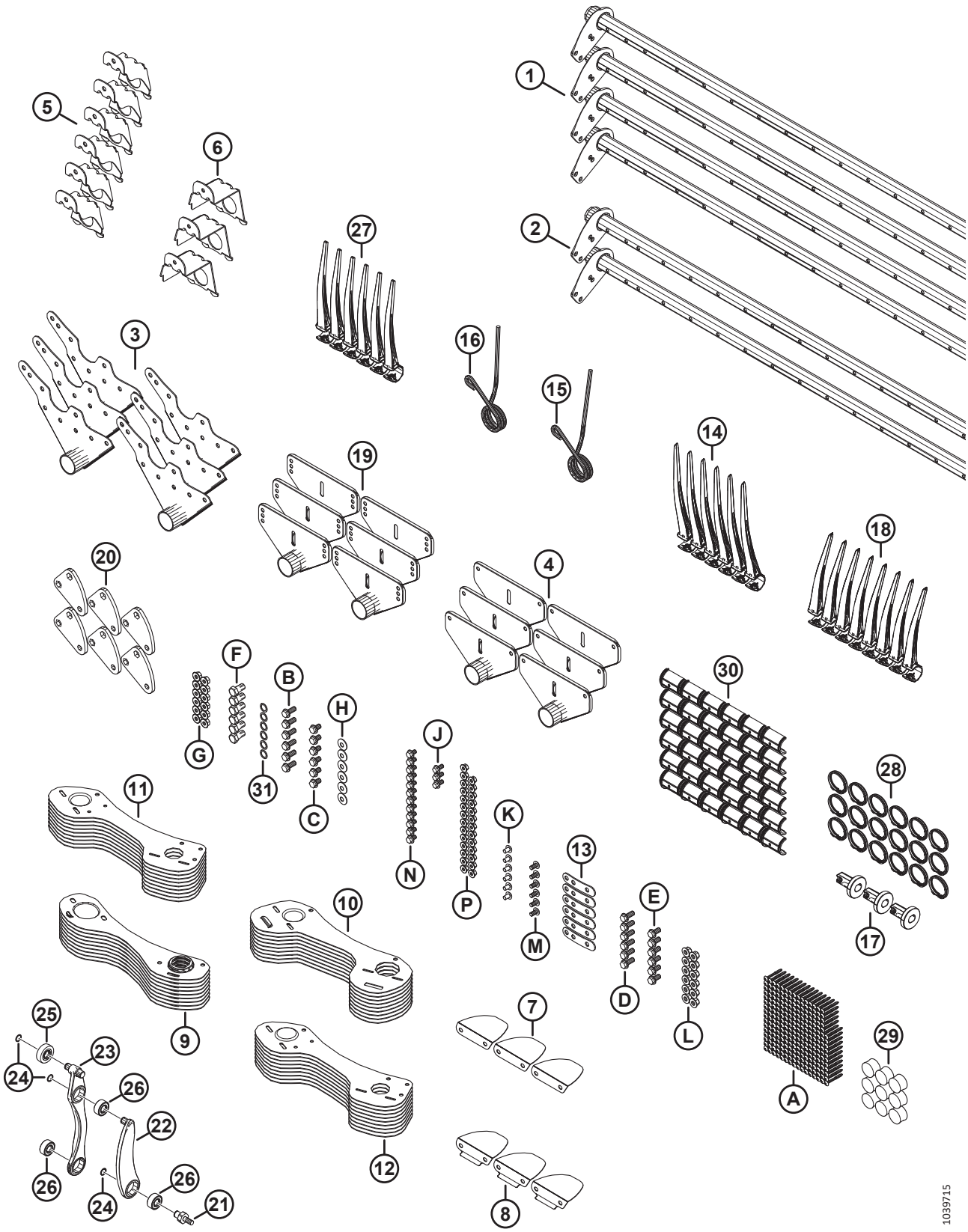


(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT

Ref	Part Number	Description	Qty	Serial Number
	B7362	KIT – 30FT DR 6B TO 9B CONV. [330]		
1	311368	TINE TUBE – 30FT DR NARROW	4	
2	311365	TINE TUBE – 30FT DR WIDE	2	
3	335924	ARM WELDT – CAM END	6	
4	311347	ARM WELDT – TAIL END	6	
5	311964	SUPPORT – WELDT CAM END	6	
6	311965	SUPPORT – WELDT TAIL END	3	
7	311906	DEFLECTOR – CAM INBOARD	3	
8	311729	DEFLECTOR – CAM OUTBOARD	3	
9	311870	SHIELD – 9 BAT RH REEL, TAIL END	9	
10	311868	SHIELD – 9 BAT LH REEL, CAM END	9	
11	311864	SHIELD – OUTBOARD LH 9 BAT	9	
12	311863	SHIELD – OUTBOARD RH 9 BAT	9	
13	311672	STRAP	6	
14	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	6	
15	311327	FINGER – CAM END BENT	3	
16	311325	FINGER – CAM END OUTBOARD	3	
17	273968	BUSHING – ENDSHIELD	3	
18	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	8	
19	273523	ARM WELDT – MID SPAN	6	
20	228319	ARM – CRANK MACHINING	6	
21	340146	STUD	6	
22	311615	ARM – ASSEMBLY [331]	6	
23	311617	ARM – TINE CONTROL ASSY [332]	6	
24	273536	RING – RETAINING	18	
25	273524	BEARING – CAM FOLLOWER	6	
26	273347	BEARING	18	
27	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	237	
28	220941	CLAMP – TINE TUBE BUSHING, CENTER RIB (BOX OF 5)	18	
29	137980	PLUG – TINE TUBE	9	
30	220939	TINE TUBE BUSHING (BOX OF 25)	36	
31	137529	SHIM – CRANK BEARING	6	
A	252687	SCREW – 48° PLASTITE TWIN HELIX		
B	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
C	320187	BOLT – HEX FLG HD M12 X 1.75 X 20-SPCL-8.8-ZINC		
D	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-ZINC		
E	320175	BOLT – HEX FLG HD TFL M12 X 1.75 X 25-SPCL-8.8-ZINC		
F	228316	BOLT – HEX HD M16 X 1.5 X 30-SPCL-8.8-ZINC		
G	184697	NUT – HEX SER FLG M12 X 1.75-8-AA1J		

330. Kits are available through Whole Goods only.
331. The arm assembly includes one retaining ring (MD #273536) and one bearing (MD #273347).
332. The tine control arm assembly includes two retaining rings (MD #273536), one cam follower bearing (MD #273524), and two bearings (MD #273347).

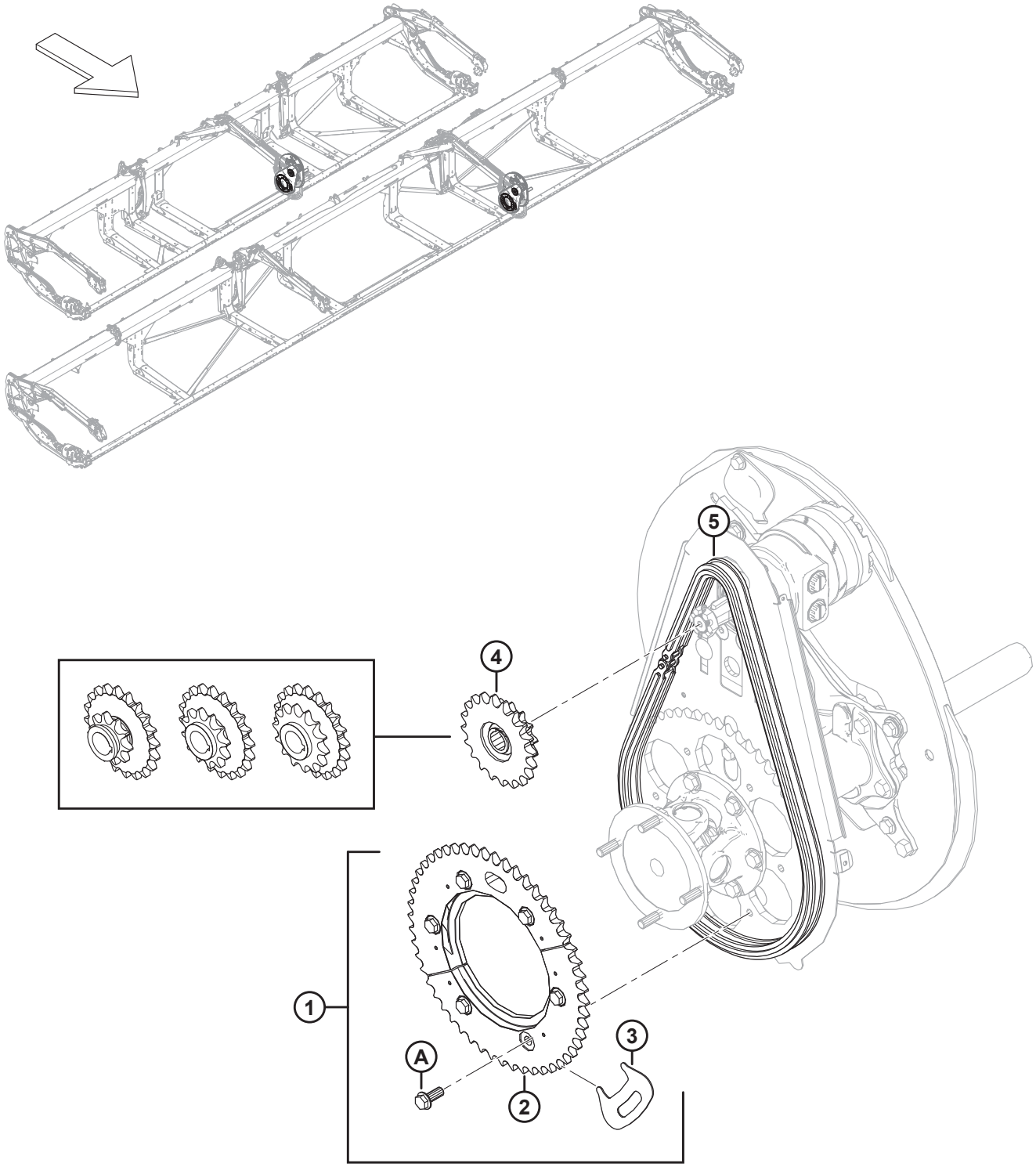
(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT



(OPTION) REEL TINE TUBE CONVERSION KITS – DOUBLE REEL, 6 BAT TO 9 BAT

Ref	Part Number	Description	Qty	Serial Number
H	184597	WASHER – CON SPRING M12-ZINC		
J	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
K	136640	SCREW – TORX TRUSS HD M10 X 1.5 X 16 X SPCL-8.8-AA1J		
L	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
M	136395	SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L		
N	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
P	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

119 (Option) Reel – Two Speed

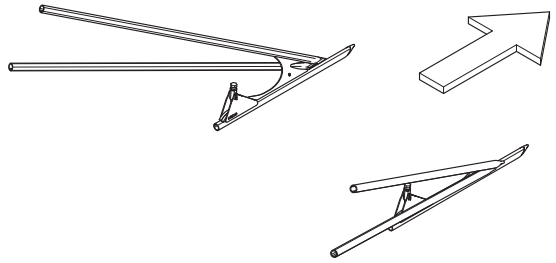


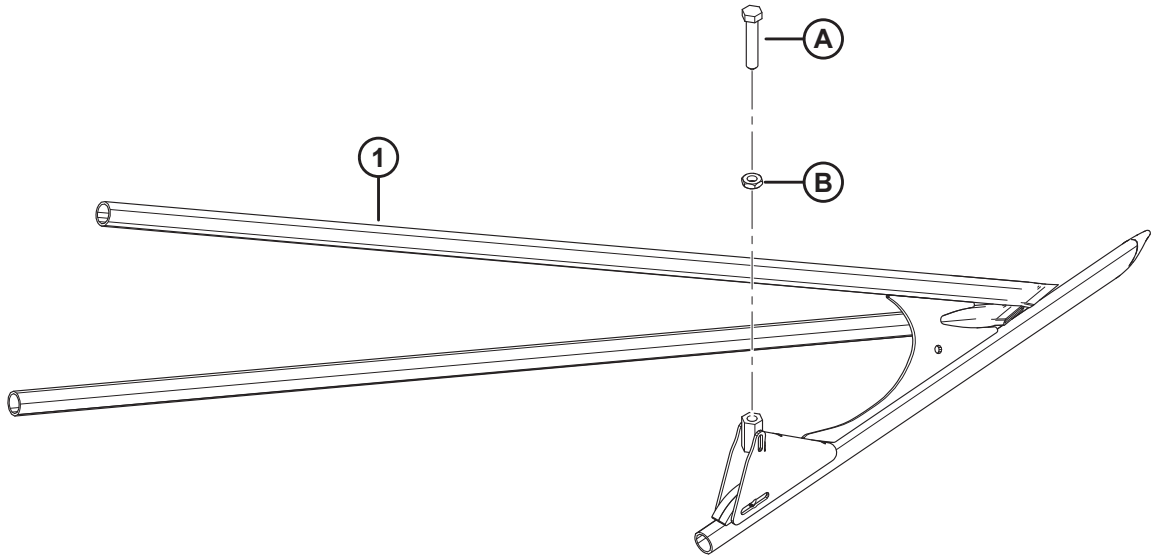
1032643

Ref	Part Number	Description	Qty	Serial Number
1	311882	KIT – 2 SPEED [333]	1	
2	273689	SPROCKET – MACHINED 52 T	1	
3	273594	TOOL – SPROCKET	1	
4	273451	SPROCKET – DUAL 10-20 (CASE IH, CLAAS 700, 5000, 6000, 7000, AND 8000 SERIES, AND JOHN DEERE 50, 60, 70 STS) [334]	1	
	273452	SPROCKET – DUAL 12-20 (CLAAS 500 SERIES, GLEANER, IDEAL, MASSEY FERGUSON, AND JOHN DEERE S670/S770 AND SMALLER) [335]	1	
	273453	SPROCKET – DUAL 14-20 (NEW HOLLAND AND JOHN DEERE S680/ S780 AND LARGER) [336]	1	
5	273907	CHAIN – RC 60 ENDLESS 76 LINKS [337]	OPT	
	273963	CHAIN – RC C/W CONNECTOR 76 LINKS [337]	OPT	
A	320192	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		

333. The kit includes 52-tooth machined sprocket (MD #273689), sprocket tool (MD #273594), six bolts (MD #320180), and instructions.
334. Used for Case IH, CLAAS 700, 5000, 6000, 7000 and 8700 Series, and John Deere 50, 60 and 70 STS combines. 2000 psi reel drive circuit pressure.
335. Used for CLAAS 500 Series, Gleaner®, IDEAL™, Massey Ferguson®, and John Deere S670/S770 and smaller combines. 2500 psi reel drive circuit pressure.
336. Used for New Holland and John Deere S680/S780 and larger combines. 3000 psi reel drive circuit pressure.
337. The chain is **NOT** included in kit (MD #311882). A new chain is recommended if the kit is being installed on a unit with hours and it is not a new header. A worn chain will affect the register of the sprocket halves to one another.

120 (Option) Rice Divider Rods





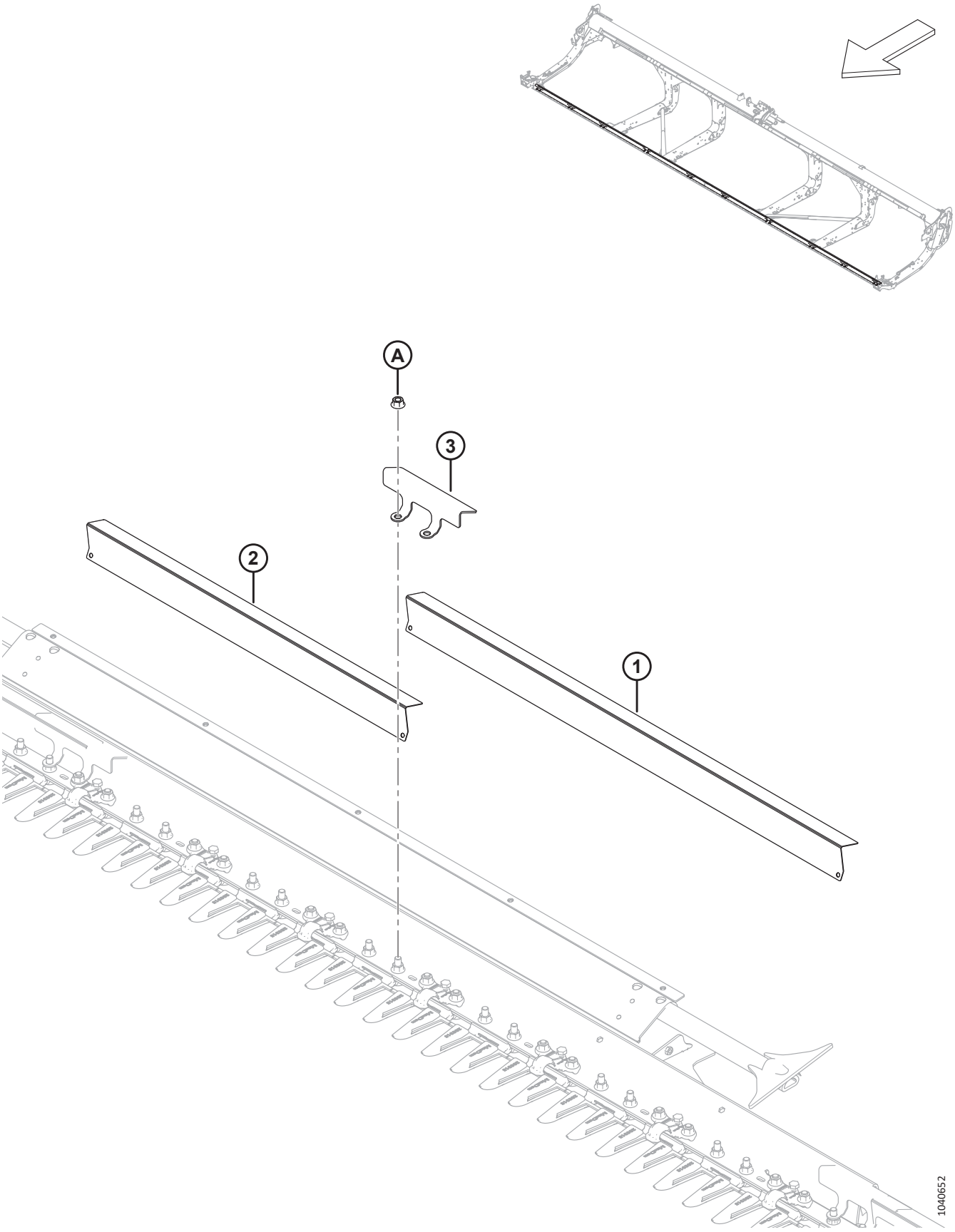
1034744

(OPTION) RICE DIVIDER RODS

Ref	Part Number	Description	Qty	Serial Number
	B7238	RICE DIVIDER RODS [338]		
1	340095	DIVIDER – RICE LH TUBE WELDT	1	
	340096	DIVIDER – RICE RH TUBE WELDT	1	
A	232762	SET SCREW – MACHINED		
B	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		

338. Kits are available through Whole Goods only.

121 (Option) Rock Retarder Kit

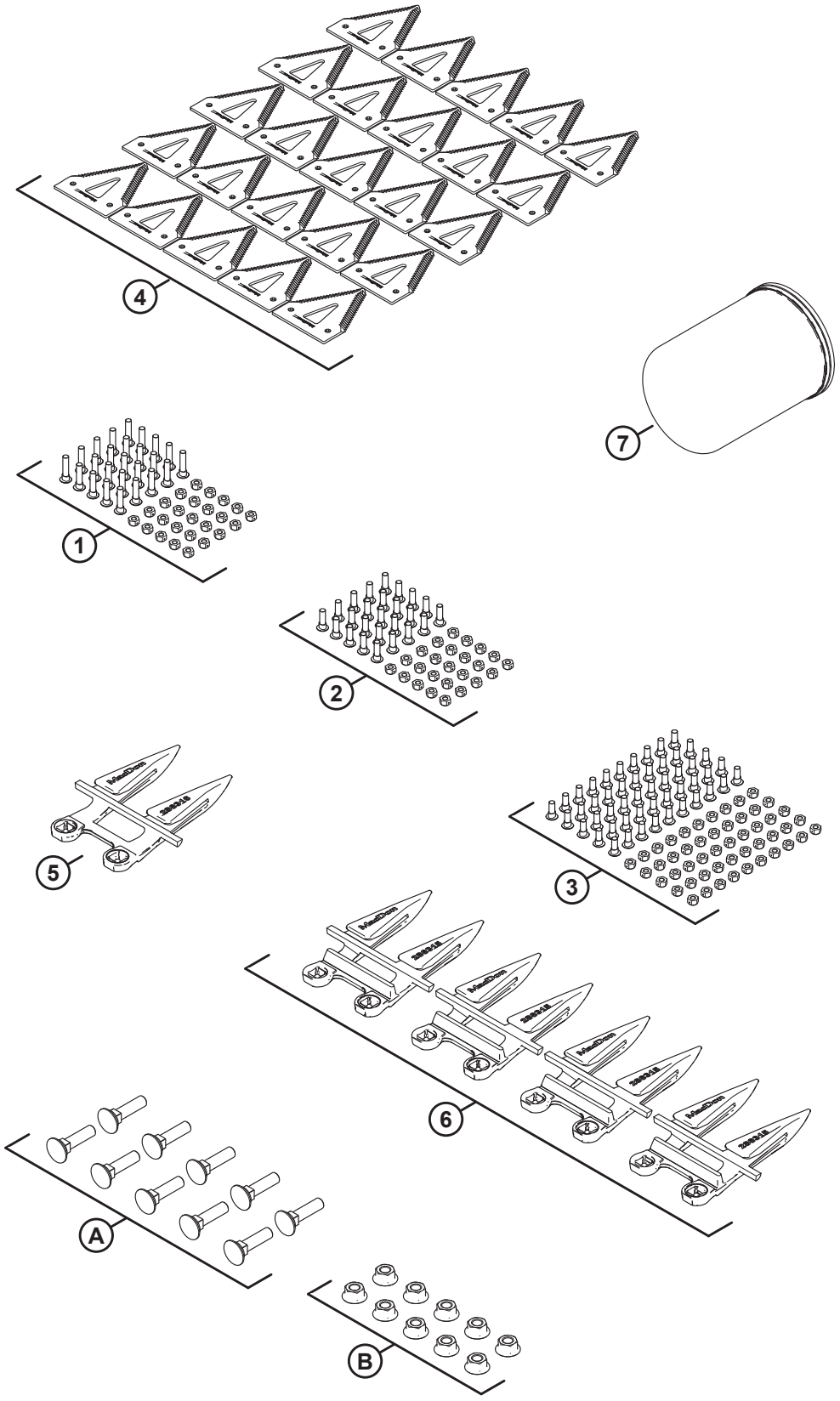


(OPTION) ROCK RETARDER KIT

Ref	Part Number	Description	Qty	Serial Number
	B7122	KIT – ROCK RETARDER, D225, D230, D235, AND D241 [339]		
	B7123	KIT – ROCK RETARDER KIT, D245 [339]		
1	233800	DEFLECTOR – ROCK GUARD LONG [340]		
2	233799	DEFLECTOR – ROCK GUARD SHORT [341]		
3	233635	CLAMP – ROCK GUARD [342]		
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

339. Kits are available through Whole Goods only.
340. Quantities per kit: B7122 = 4, B7123 = 10.
341. Quantities per kit: B7122 = 9, B7123 = 4.
342. Quantities per kit: B7122 = 14, B7123 = 15.

122 (Option) Service Kit – Pointed Guards, Coarse Knives

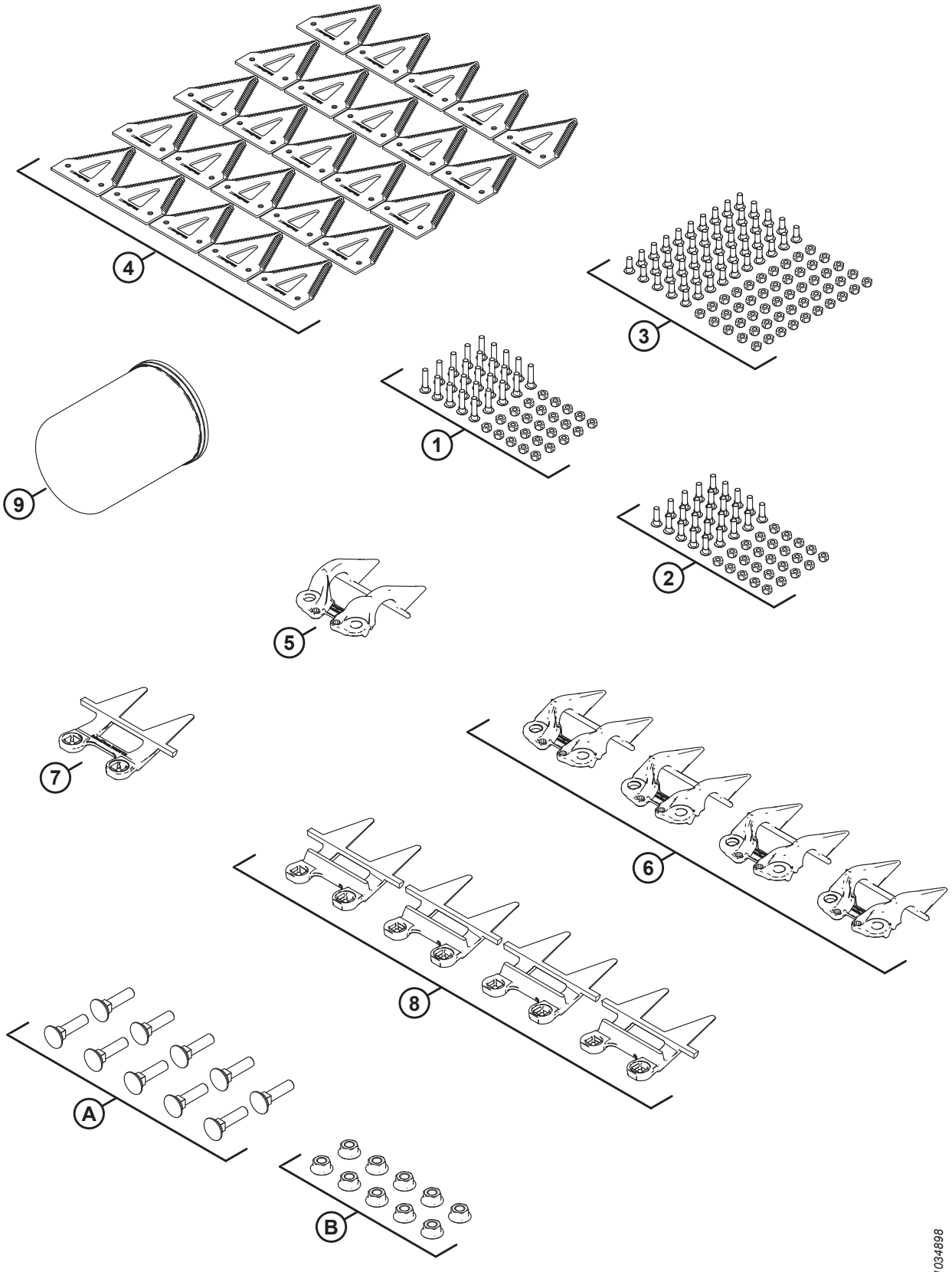


(OPTION) SERVICE KIT – POINTED GUARDS, COARSE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7155	KIT – SERVICE, POINTED, COARSE [343]		
	311789	KIT – D2 SERVICE PTD CRS [344]		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	1	
4	286461	SECTION – CLEARCUT COARSE 25PK	1	
5	286316	KNIFE GUARD – POINTED END	1	
6	286315	KNIFE GUARD – POINTED	4	
7	320360	FILTER – HYD C/W 2X SEALS	1	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

343. Kits are available through Whole Goods only. This is not available for sale in North America.
344. The kit includes all listed parts.

123 (Option) Service Kit – PlugFree™ Guards, Coarse Knives

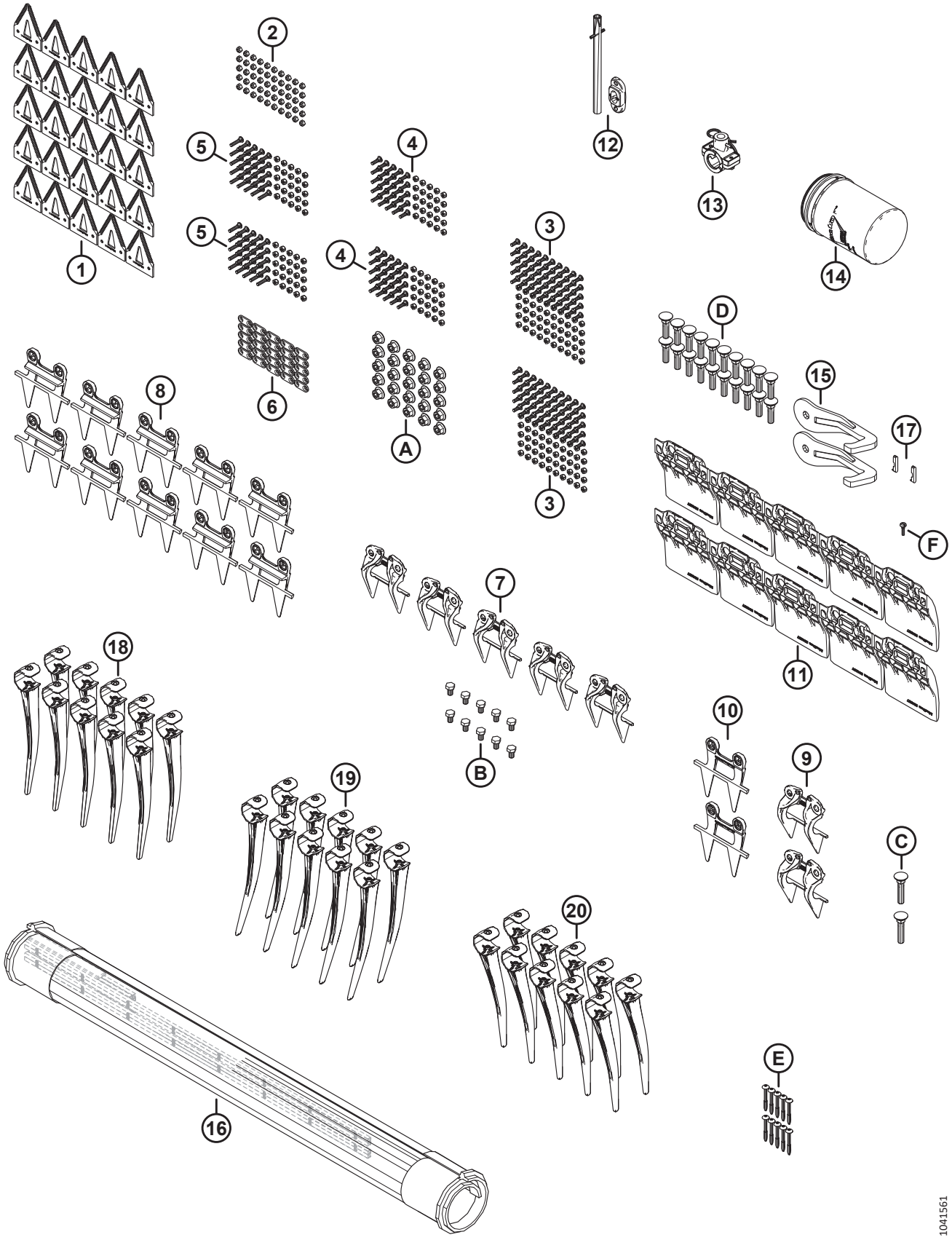


(OPTION) SERVICE KIT – PLUGFREE™ GUARDS, COARSE KNIVES

Ref	Part Number	Description	Qty	Serial Number
	B7156	KIT – SERVICE, PLUGFREE, COARSE [345]		
	311790	KIT – D2 SERVICE PF CRS [346]		
1	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	1	
2	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	1	
4	286461	SECTION – CLEARCUT COARSE 25PK	1	
5	286331	HOLD-DOWN – PLUGFREE END	1	
6	286330	HOLD-DOWN – PLUGFREE	4	
7	286319	KNIFE GUARD – PLUGFREE END	1	
8	286318	KNIFE GUARD – PLUGFREE	4	
9	320360	FILTER – HYD C/W 2X SEALS	1	
A	226295	BOLT – RHSN SPCL M12 X 47-8.8		
B	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

345. Kits are available through Whole Goods only.
346. The kit includes all listed parts.

124 (Option) Service Kit Plus – PlugFree™ Guards, Single Knife

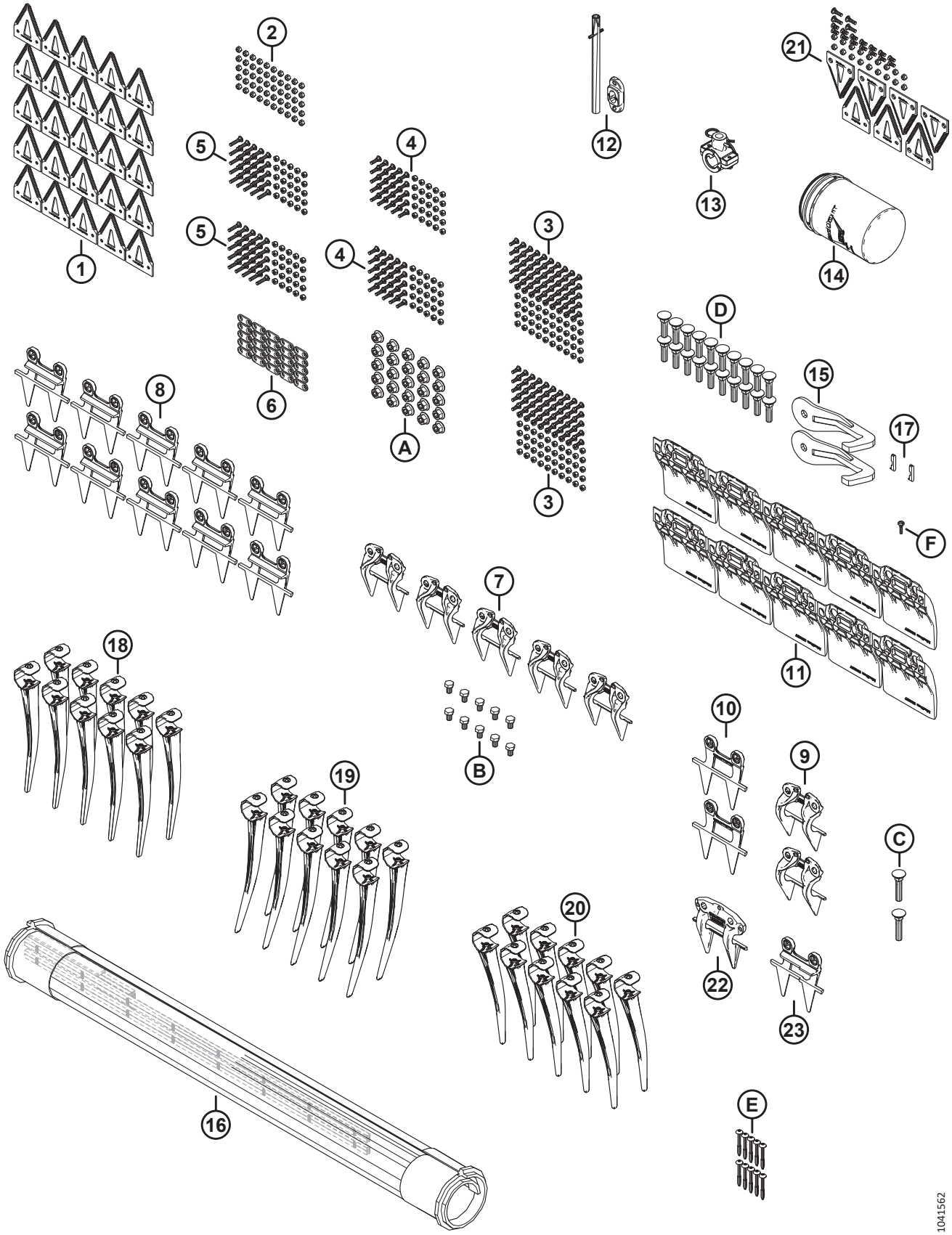


(OPTION) SERVICE KIT PLUS – PLUGFREE™ GUARDS, SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7159	KIT – SERVICE PLUS, SK PF D2 [347]		
	311793	KIT – SERVICE PLUS, SK PF D2 [348]		
1	286461	SECTION – CLEARCUT COARSE 25PK	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	2	
6	286481	BAR – REINFORCEMENT 25PK	1	
7	286330	HOLD-DOWN – PLUGFREE	5	
8	286318	KNIFE GUARD – PLUGFREE	10	
9	286331	HOLD-DOWN – PLUGFREE END	2	
10	286319	KNIFE GUARD – PLUGFREE END	2	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [349]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [350]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [351]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [352]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	1	
19	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	1	
20	311524	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

347. Kits are available through Whole Goods only.
348. The kit includes all listed parts.
349. The kit includes spring pin (MD #7642) and guide (MD #337143).
350. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
351. The kit includes draper repair section (NSS) and two draper connector kits (MD #319095).
352. For service parts, refer to Section *11 Draper, page 21*.

125 (Option) Service Kit Plus – PlugFree™ Guards, Double Knife

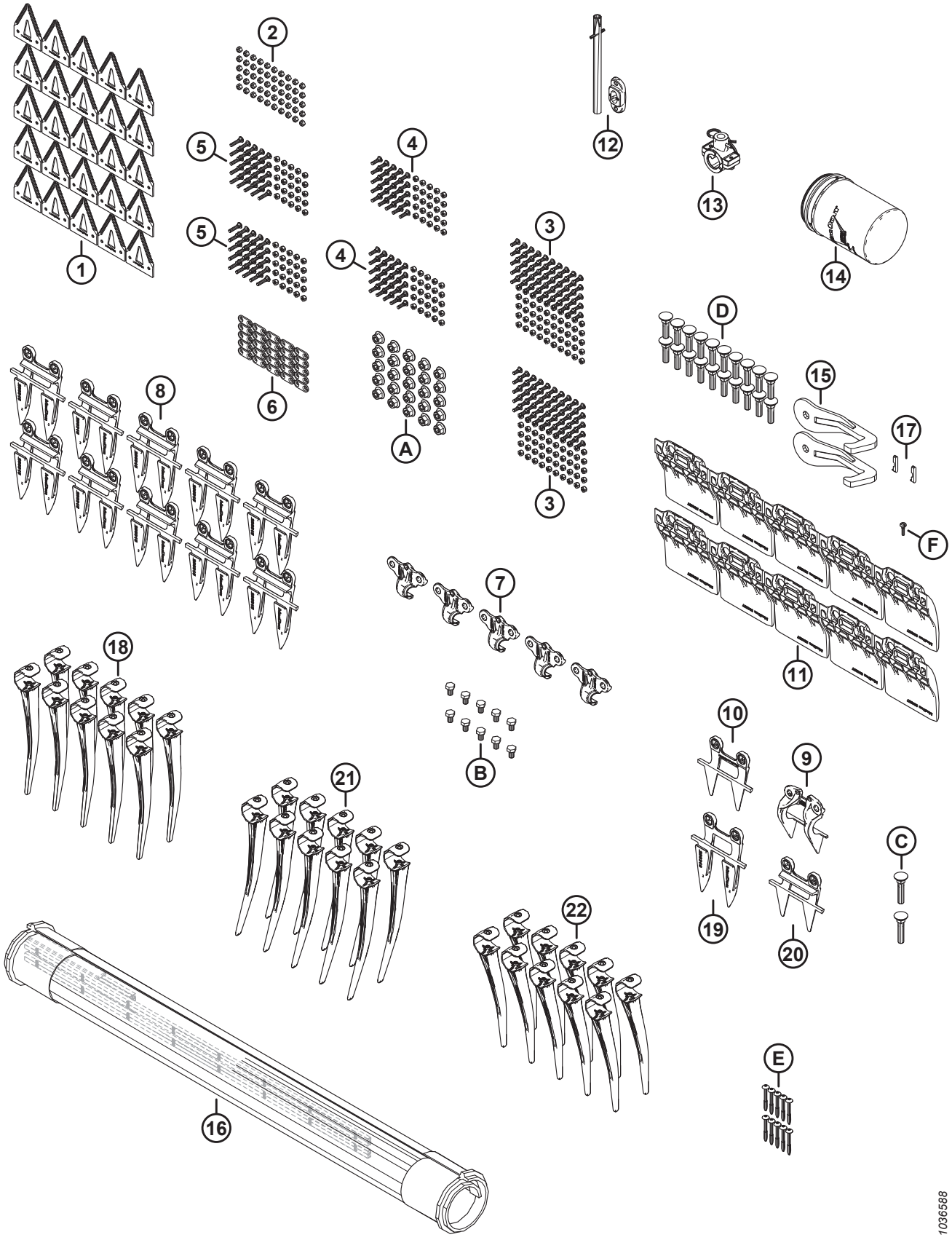


(OPTION) SERVICE KIT PLUS – PLUGFREE™ GUARDS, DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7160	KIT – SERVICE PLUS, DK PF D2 [353]		
	311794	KIT – SERVICE PLUS, DK PF D2 [354]		
1	286461	SECTION – CLEARCUT COARSE 25PK	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	2	
6	286481	BAR – REINFORCEMENT 25PK	1	
7	286330	HOLD-DOWN – PLUGFREE	5	
8	286318	KNIFE GUARD – PLUGFREE	10	
9	286331	HOLD-DOWN – PLUGFREE END	2	
10	286319	KNIFE GUARD – PLUGFREE END	2	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [355]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [356]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [357]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [358]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	1	
19	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	1	
20	311524	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	1	
21	286861	KIT – CLEARCUT COARSE CENTER [359]	1	
22	286333	HOLD-DOWN – PLUGFREE CENTER	1	
23	286320	KNIFE GUARD – PLUGFREE CENTER	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

353. Kits are available through Whole Goods only.
354. The kit includes all listed parts.
355. The kit includes spring pin (MD #7642) and guide (MD #337143).
356. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
357. The kit includes draper repair section (NSS) and two draper connector kits (MD #319095).
358. For service parts, refer to Section *11 Draper, page 21*.
359. The kit includes five ClearCut™ coarse top sections (NSS), two ClearCut™ coarse bottom sections (NSS), and hardware.

126 (Option) Service Kit Plus – Pointed Guards, Single Knife

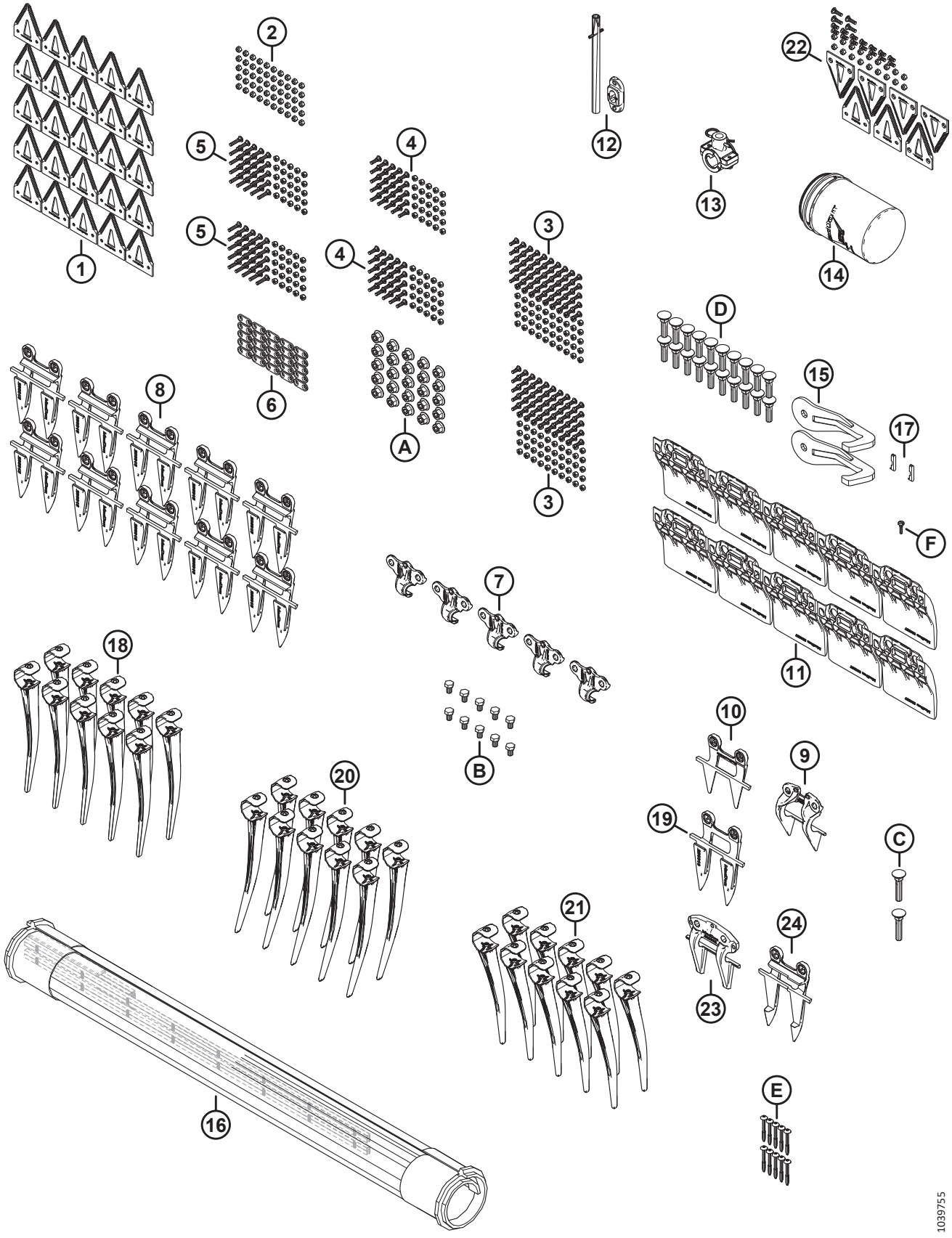


(OPTION) SERVICE KIT PLUS – POINTED GUARDS, SINGLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7365	KIT – SERVICE PLUS, SK D2 [360]		
	340492	KIT – SERVICE PLUS, SK D2 [361]		
1	286461	SECTION – CLEARCUT COARSE 25PK	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	2	
6	286481	BAR – REINFORCEMENT 25PK	1	
7	286329	HOLD-DOWN – POINTED	5	
8	286315	KNIFE GUARD – POINTED	10	
9	286331	HOLD-DOWN – PLUGFREE END	1	
10	286319	KNIFE GUARD – PLUGFREE END	1	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [362]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [363]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [364]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [365]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	1	
19	286316	KNIFE GUARD – POINTED END	1	
20	286318	KNIFE GUARD – PLUGFREE	1	
21	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	1	
22	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

360. Kits are available through Whole Goods only.
361. The kit includes all listed parts.
362. The kit includes spring pin (MD #7642) and guide (MD #337143).
363. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
364. The kit includes draper repair section (NSS) and two draper connector kits (MD #319095).
365. For service parts, refer to Section *11 Draper, page 21*.

127 (Option) Service Kit Plus – Pointed Guards, Double Knife

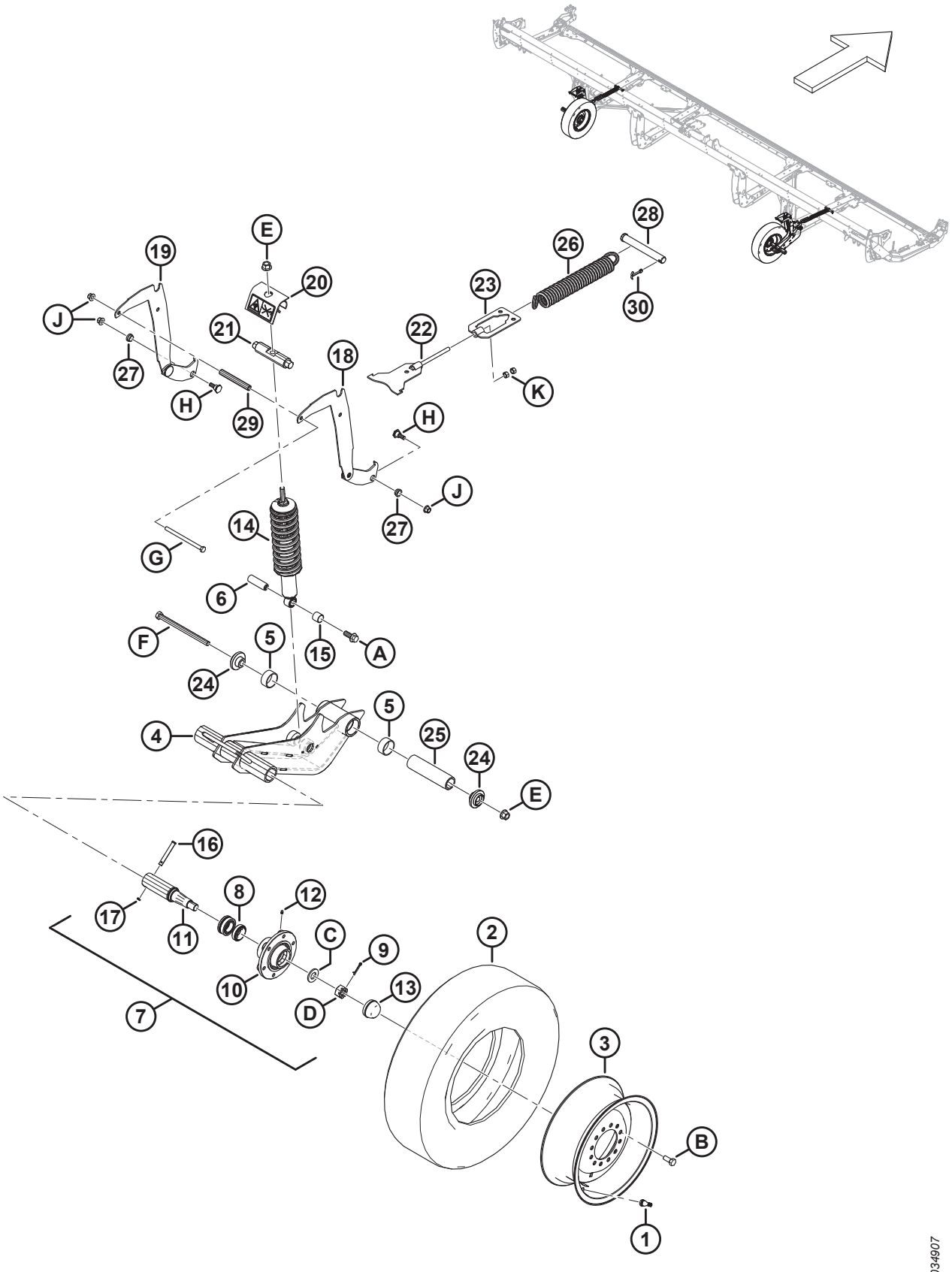


(OPTION) SERVICE KIT PLUS – POINTED GUARDS, DOUBLE KNIFE

Ref	Part Number	Description	Qty	Serial Number
	B7366	KIT – SERVICE PLUS, DK D2 [366]		
	340493	KIT – SERVICE PLUS, DK D2 [367]		
1	286461	SECTION – CLEARCUT COARSE 25PK	1	
2	286479	KIT – NUT CTR LOC CSK M6 X 1 50PK	1	
3	286475	KIT – SCREW M6 X 18 C/W NUT 50PK	2	
4	286476	KIT – SCREW M6 X 22 C/W NUT 25PK	2	
5	286477	KIT – SCREW M6 X 29 C/W NUT 25PK	2	
6	286481	BAR – REINFORCEMENT 25PK	1	
7	286329	HOLD-DOWN – POINTED	5	
8	286315	KNIFE GUARD – POINTED	10	
9	286331	HOLD-DOWN – PLUGFREE END	1	
10	286319	KNIFE GUARD – PLUGFREE END	1	
11	286257	SHOE – WEARPLATE CUTTERBAR	10	
12	337152	KIT – FINGER [368]	1	
13	276839	KIT – FINGER HOLDER SPLIT, 5X [369]	1	
14	320360	FILTER – HYD C/W 2X SEALS	1	
15	258876	WELDT – BREAKAWAY HOOK	2	
16	319105	KIT – DRAPER REPAIR 50 INCH [370]	1	
	NSS	DRAPER – REPAIR-50 IN.-500 MM PIECE		
	319095	KIT – DRAPER CONNECTOR 50 INCH [371]		
17	275864	KEY – DRAPER DRIVE MOTOR	2	
18	174849	FINGER – PLASTIC HEAVY DUTY (PKG OF 10)	1	
19	286316	KNIFE GUARD – POINTED END	1	
20	311523	FINGER – PLASTIC, RH ANGLED, 52 MM (PKG OF 10)	1	
21	360540	FINGER – PLASTIC, LH ANGLED, 45 MM (PKG OF 10)	1	
22	286861	KIT – CLEARCUT COARSE CENTER [372]	1	
23	286332	HOLD-DOWN – POINTED CENTER	1	
24	286317	KNIFE GUARD – POINTED CENTER	1	
A	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
B	136005	BOLT – HEX HD FINE TFL M10 X 1.25 X 16-8.8-AA1J		
C	226280	BOLT – RHSN SPCL M12 X 60-8.8		
D	226295	BOLT – RHSN SPCL M12 X 47-8.8		
E	252687	SCREW – 48° PLASTITE TWIN HELIX		
F	135630	SCREW – BHRN #12-24 NC X 0.920 IN. LG (QTY 50)		

366. Kits are available through Whole Goods only. This kit is not available for sale in North America.
367. The kit includes all listed parts.
368. The kit includes spring pin (MD #7642) and guide (MD #337143).
369. The kit includes 5 split finger holders (NSS), 10 spacers (NSS), 5 hairpins (MD #123180), hardware, and instructions.
370. The kit includes draper repair section (NSS) and two draper connector kits (MD #319095).
371. For service parts, refer to Section *11 Draper, page 21*.
372. The kit includes five ClearCut™ coarse top sections (NSS), two ClearCut™ coarse bottom sections (NSS), and hardware.

128 (Option) Stabilizer Wheels



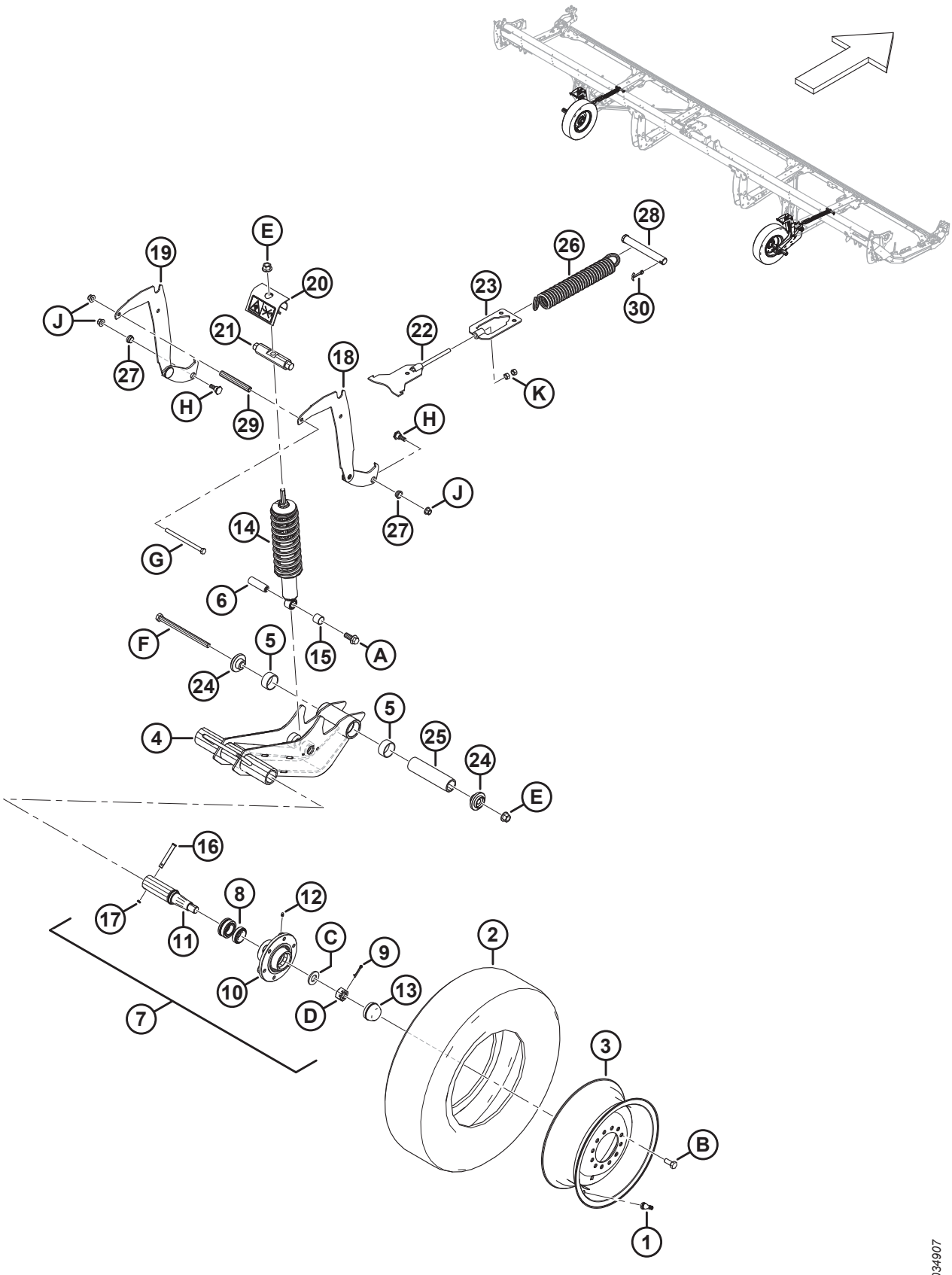
NOTE:

The Stabilizer Wheels Kit (C2171) is compatible with D230, D235, D241, and D245 headers only.

Ref	Part Number	Description	Qty	Serial Number
	C2171	**STABILIZER WHEELS – KIT** [373]		
	B7398	**KIT – TIRES, 225/75R15 LRF** [373]		
1	230968	STEM – TIRE VALVE ASSY #TR-416	2	
2	**327808**	**TIRE – ST 225/75 R15 LRF**	**2**	
3	**327807**	**WHEEL – 15 X 6 WHITE** [374]	**2**	
	144531	WHEEL – 15 X 6 LB [375]	**A/R**	
	327802	**DECAL – TIRE PRESSURE, 655 KPA (95 PSI)** [376]	**2**	
	327717	DECAL – TIRE PRESSURE**, 552 KPA (80 PSI)** [377]	**A/R**	
	B6460	KIT – STABILIZER WHEELS [373]		
4	327682	ASSY – PIVOT ARM [378]	2	
5	327600	BUSHING – COMPOSITE	4	
6	316793	PIN	2	
7	316330	ASSY – HUB [379]	2	
8	316851	KIT – WHEEL BEARING	2	
9	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
10	316847	HUB	2	
11	316848	SPINDLE	2	
12	18671	FITTING – LUBE 1/4-28 UNF	2	
13	30520	CAP – DUST	2	
14	**327798**	**DAMPENER – HEADER** [380]	**2**	
15	133992	BUSHING – COMPOSITE	2	
16	101007	PIN – CLEVIS	2	
17	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
18	327656	WELDT – SUPPORT, HEIGHT ADJUST	2	
19	327655	WELDT – SUPPORT, HEIGHT ADJUST	2	
20	327089	ASSY – ANTI PRY [381]	2	

373. Kits are available through Whole Goods only.
374. Wheel MD #327807 is used with tire MD #327808.
375. Wheel MD #144531 remains available as a service part for superseded tire MD #230483. Wheel MD #144531 is **NOT** included in Tires Kit B7398.
376. Tire pressure decal MD #327802 (655 kPa [95 psi]) is used with tire MD #327808.
377. Tire pressure decal MD #327717 (552 kPa [80 psi]) remains available as a service part for superseded tire MD #230483.
378. The pivot arm assembly includes two composite bushings (MD #327600).
379. The hub assembly includes pin (MD #18608), fitting (MD #18671), six bolts (MD #18916), dust cap (MD #30520), hub (MD #316847), spindle (MD #316848), wheel bearing kit (MD #316851), nut (MD #316859), and washer (MD #316860).
380. The dampener includes composite bushing (MD #133992).
381. The anti-pry assembly includes energy release decal (MD #327086).

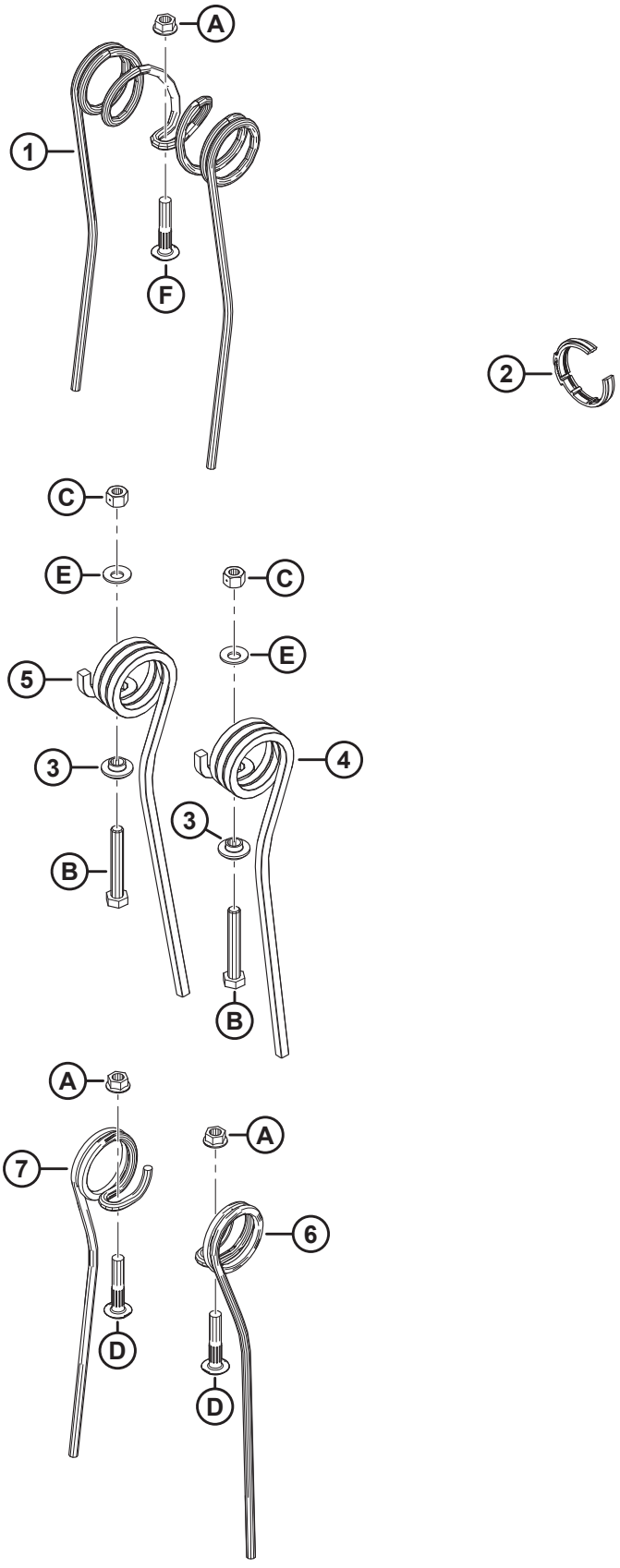
(OPTION) STABILIZER WHEELS



(OPTION) STABILIZER WHEELS

Ref	Part Number	Description	Qty	Serial Number
21	316284	PIN	2	
22	316096	SUPPORT – WELDT	2	
23	316095	SUPPORT – WELDT	2	
24	303839	CASTING – PLATE	4	
25	303525	PIN – PIVOT	2	
26	303520	SPRING – EXTENSION	2	
27	303492	BUSHING – COMPOSITE	4	
28	292692	PIN – CLEVIS	2	
29	210985	SPACER	2	
30	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
	327086	DECAL – ENERGY RELEASE	2	
	316662	DECAL – HEIGHT SETTING	2	
A	320060	BOLT – HEX FLG HD TFL M16 X 2 X 40-10.9-ZINC		
B	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL-AA1J		
C	316860	WASHER		
D	316859	NUT – SLOTTED		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	320011	BOLT – HEX HD M16 X 2 X 240-10.9-ZINC		
G	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
H	303251	BOLT – 19 MM SHLDR M12 SPCL		
J	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
K	135156	NUT – HEX M12 X 1.75-10-AA1J		

129 (Option) Steel Finger Kit



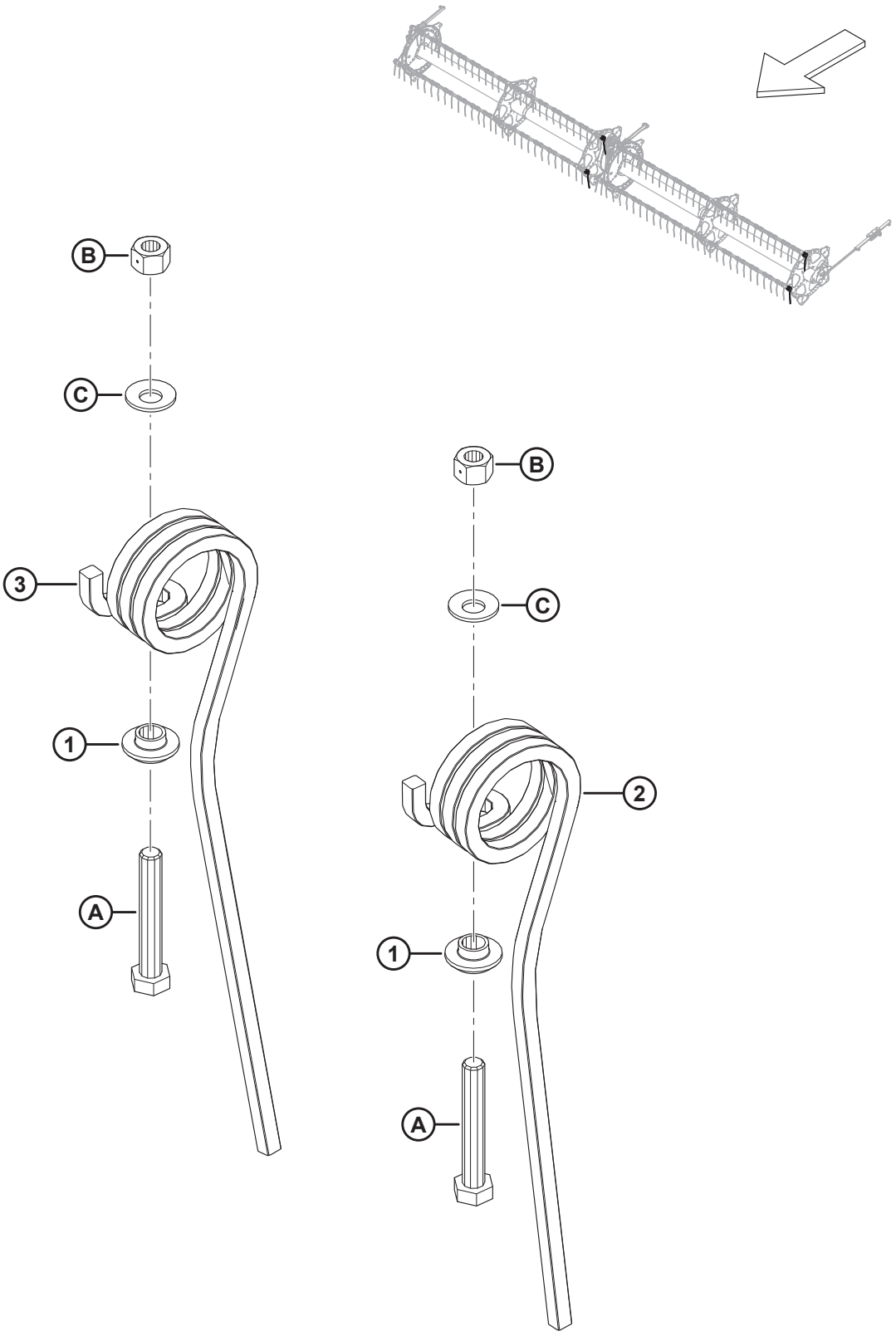
1036678

(OPTION) STEEL FINGER KIT

Ref	Part Number	Description	Qty	Serial Number
	360680	KIT – STEEL FINGER, 25 FT SR, 9 BAT [382]		
	311055	KIT – STEEL FINGER, 30 FT DR, 6 BAT [382]		
	311069	KIT – STEEL FINGER, 35 FT DR, 6 BAT [382]		
1	137092	FINGER [383]		
2	220941	CLAMP – TINE TUBE BUSHING - CENTER RIB (BOX OF 5) [384]		
3	273052	RETAINER – END FINGER [385]		
4	311321	FINGER – TAIL END OUTBOARD [386]		
5	311322	FINGER – TAIL END INBOARD [387]		
6	137754	FINGER – RH SINGLE CONCENTRIC [388]		
7	137519	FINGER – LH SINGLE CONCENTRIC [389]		
A	30228	NUT – FLG DT SM FACE 3/8-16 UNC-GR5-AA1J		
B	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
C	135800	NUT – HEX CTR LOC SPCL M10 X 1.5-9-AA1J		
D	137118	BOLT –BTN HD RIB NK 3/8 NC		
E	184584	WASHER – CON SPRING M10 STL SAE		

382. The kit includes all listed parts and instructions. Refer to the footnotes on individual service parts for quantities.
383. Quantities: D225 SR 9 Bat = 190, D230 DR 6 Bat = 135, D235 DR 6 Bat = 171.
384. Quantities: D225 SR 9 Bat = 9, D230 DR 6 Bat = 8, D235 DR 6 Bat = 10.
385. Quantities: D225 SR 9 Bat = 9, D230 DR 6 Bat = 12, D235 DR 6 Bat = 12.
386. Quantities: D225 SR 9 Bat = 9, D230 DR 6 Bat = 6, D235 DR 6 Bat = 6.
387. Quantities: D225 SR 9 Bat = 0, D230 DR 6 Bat = 6, D235 DR 6 Bat = 6.
388. Quantities: D225 SR 9 Bat = 9, D230 DR 6 Bat = 6, D235 DR 6 Bat = 24.
389. Quantities: D225 SR 9 Bat = 34, D230 DR 6 Bat = 12, D235 DR 6 Bat = 36.

130 (Option) Steel Reel End Finger Kits

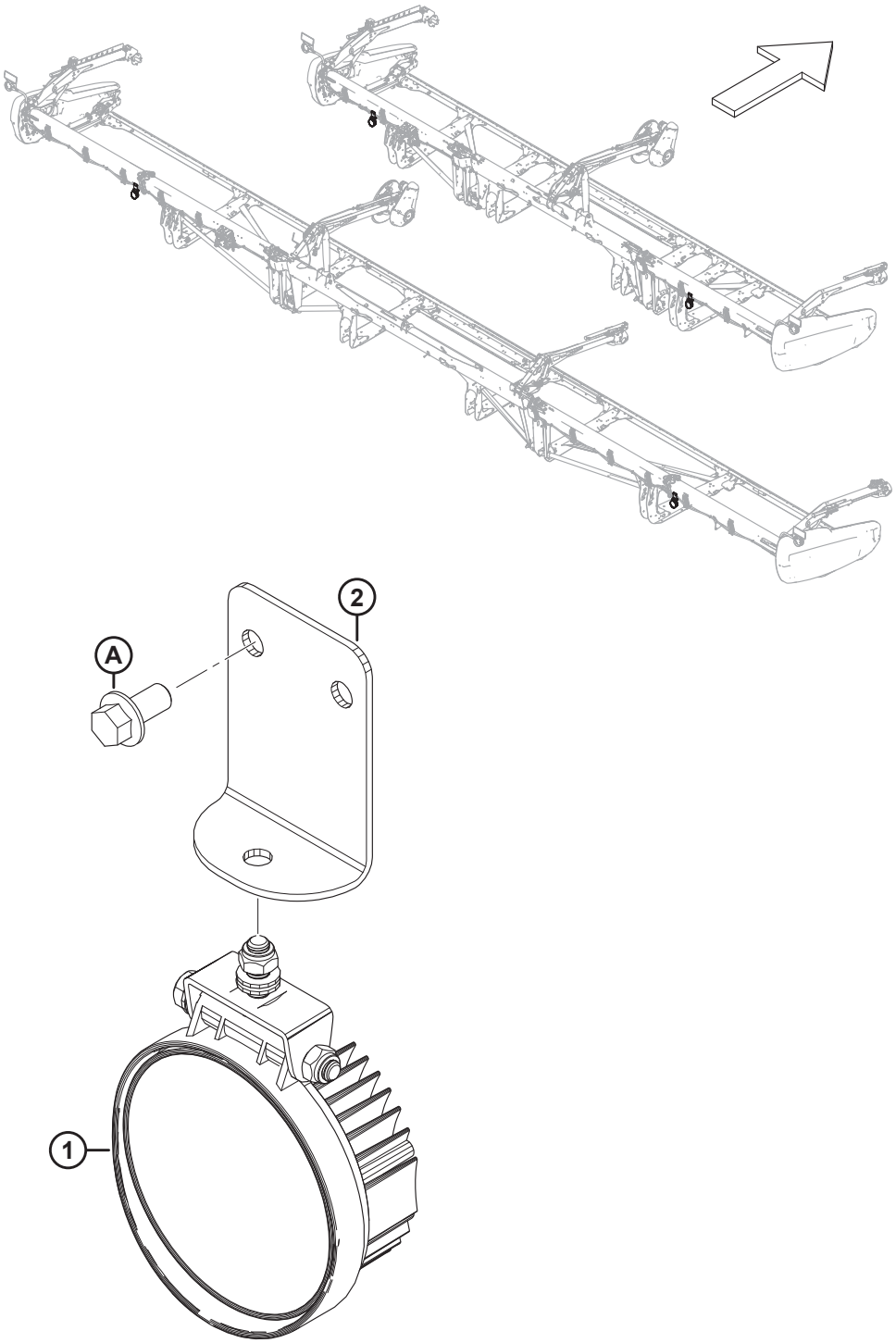


(OPTION) STEEL REEL END FINGER KITS

Ref	Part Number	Description	Qty	Serial Number
	311959	**KIT – STEEL END FINGER, OUTBOARD** [390]		
	311972	**KIT – STEEL END FINGER, INBOARD** [391]		
1	**273052**	**RETAINER – END FINGER**	**1**	
2	**311321**	**FINGER – TAIL END OUTBOARD** [392]		
3	**311322**	**FINGER – TAIL END INBOARD** [393]		
A	**108172**	**BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J**		
B	**135800**	**NUT – HEX CTR LOC SPCL M10 X 1.5-9-AA1J**		
C	**184584**	**WASHER – CON SPRING M10 STL SAE**		

390. The Outboard Steel End Finger Kit includes one tail end outboard steel finger (MD #311321), all listed hardware, and instructions.
391. The Inboard Steel End Finger Kit includes one tail end inboard steel finger (MD #311322), all listed hardware, and instructions.
392. Quantities: kit MD #311959 = 1, kit MD #311972 = 0.
393. Quantities: kit MD #311959 = 0, kit MD #311972 = 1.

131 (Option) Stubble Lights



(OPTION) STUBBLE LIGHTS

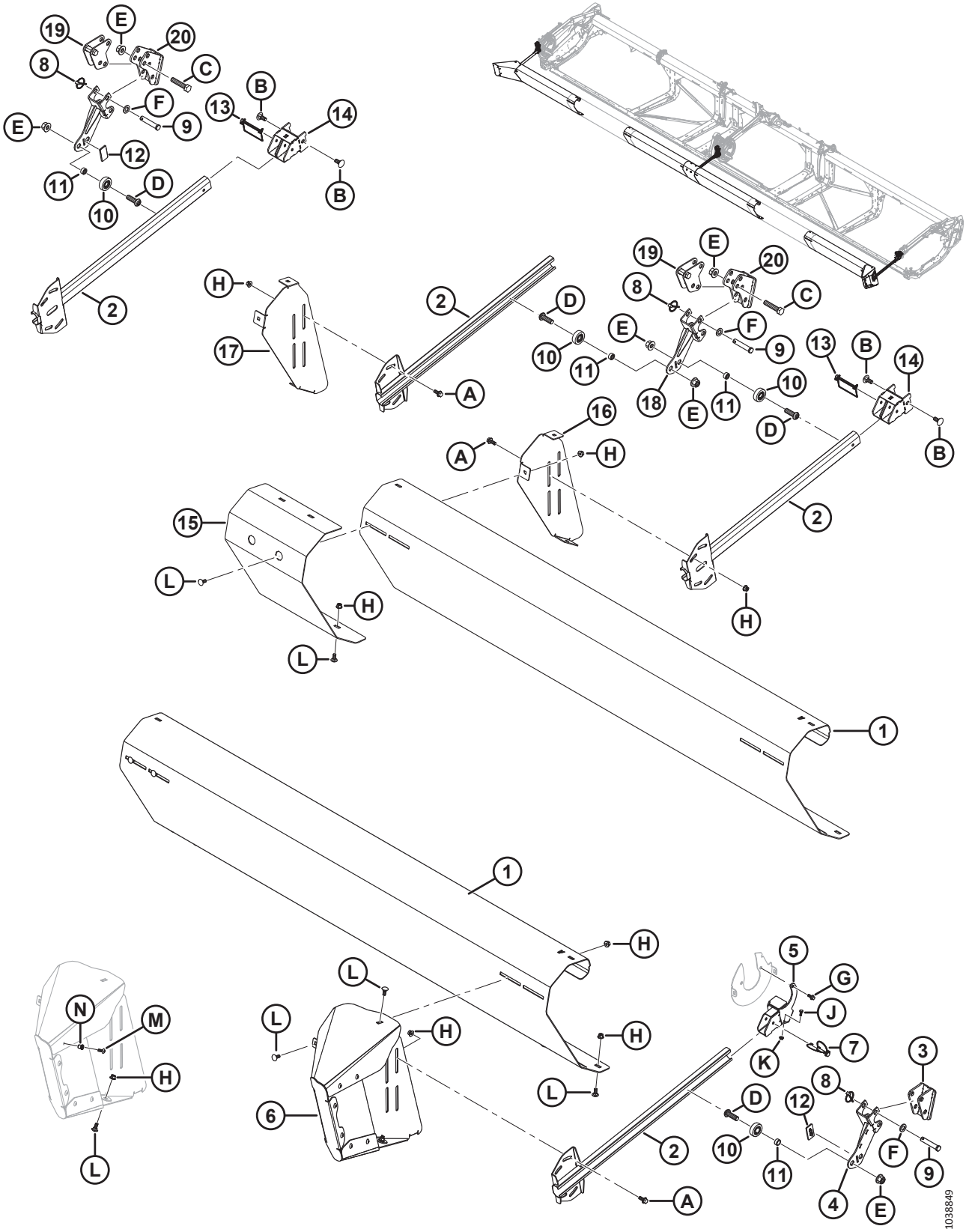
NOTE:

The Stubble Lights kit is compatible with all John Deere combines, model year 2019 and later Case combines, and model year 2019 and later New Holland combines only.

Ref	Part Number	Description	Qty	Serial Number
	B7027	KIT – STUBBLE LIGHTS [394]		
1	258458	LIGHT	2	
2	258454	BRACKET – STUBBLE LIGHTS	2	
A	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

394. Kits are available through Whole Goods only.

132 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors



(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS

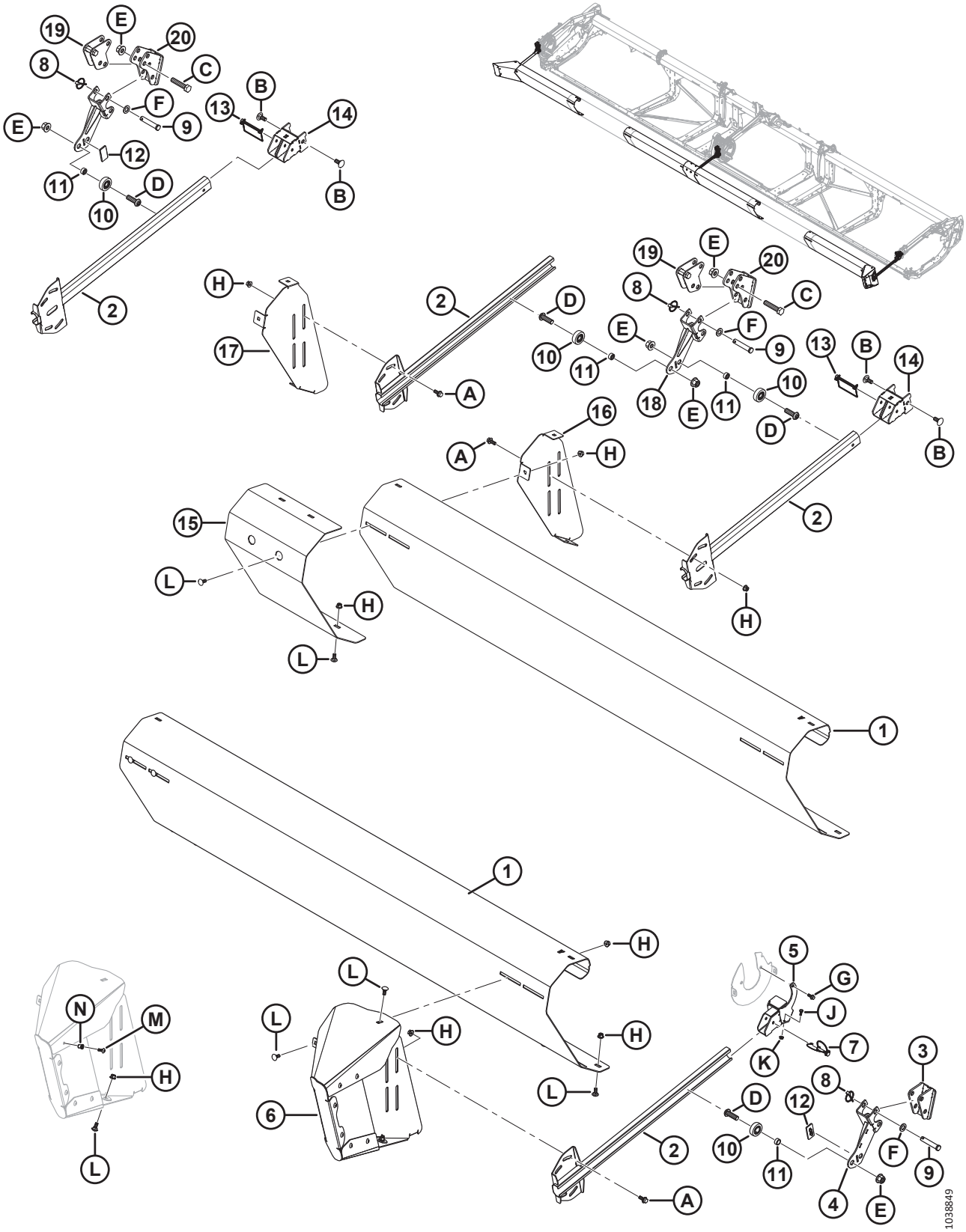
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	C2086	KIT – 30 FOOT SUNFLOWER ATTACHMENT [395]		
	C2087	KIT – 35 FOOT SUNFLOWER ATTACHMENT [395]		
	C2088	KIT – 41 FOOT SUNFLOWER ATTACHMENT [395]		
	C2089	KIT – 45 FOOT SUNFLOWER ATTACHMENT [395]		
	B7302	KIT – SUNFLOWER ATTACHMENT, BASE [396]		
1	119691	DEFLECTOR – LEAN BAR A [397]	4	
2	119757	ARM – PUSH BAR WELDT	4	
3	119593	SUPPORT – LEAN BAR WELDT	1	
4	119667	SUPPORT – LEAN BAR WELDT	1	
5	119666	BRACKET – HANGING WELDT	1	
6	119706	DEFLECTOR-EXTENSION ASSY – LH [398]	1	
	119705	DEFLECTOR-EXTENSION ASSY – RH [398]	1	
7	320205	PIN – LYNCH DIA 5/16 IN. X 1.75 IN. LG W/ TETHER	1	
8	102264	PIN – LYNCH 3/16 X 9/16 IN.	6	
9	18624	PIN – CLEVIS	6	
10	273524	BEARING – CAM FOLLOWER	4	
11	101095	SPACER	4	
12	273777	PAD – REEL DRIVE WEAR	2	
13	136749	PIN – LYNCH	2	
14	119738	BRACKET – WELDT	2	
15	119725	DEFLECTOR – LEAN BAR FILLER	1	
16	119696	BRACKET – LEAN BAR MOUNT, LH	1	
17	119697	BRACKET – LEAN BAR MOUNT, RH	1	
18	119672	SUPPORT – LEAN BAR WELDT	2	
19	119641	ANCHOR – FORE AFT SUBWELDT	2	
20	119623	SUPPORT – FRONT ANCHOR WELDT	2	
A	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
B	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
C	181475	BOLT – HEX HD M16 X 2 X 75-8.8-BE0R		
D	320441	SCREW – HEX SOC BTN HD M16 X 2.0 X 50-10.9-AA1J		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	184717	WASHER – FLAT REG M16-200HV-AA1J		
G	136300	BOLT – HEX FLG HD TFL M8 X 1.25 X 20-8.8-AA3L		

395. Kit contains base kit (B7302), pans kit (B7303), and deflectors kit (B7304, B7305, B7306, B7395, B7307, or B7396). Kits are available through Whole Goods only.
396. Base kit B7302 includes all parts listed in this section and Section *133 (Option) Sunflower Attachment – Base Kit – Pans and Supports, page 301*. Kits are available through Whole Goods only.
397. Four deflectors (MD #119691) are included in the base kit. D245 headers require a total of six.
398. Includes eight Torx screws (MD #320190), eight rivnuts (MD #252179), one bolt (MD #135785), and one nut (MD #135799).

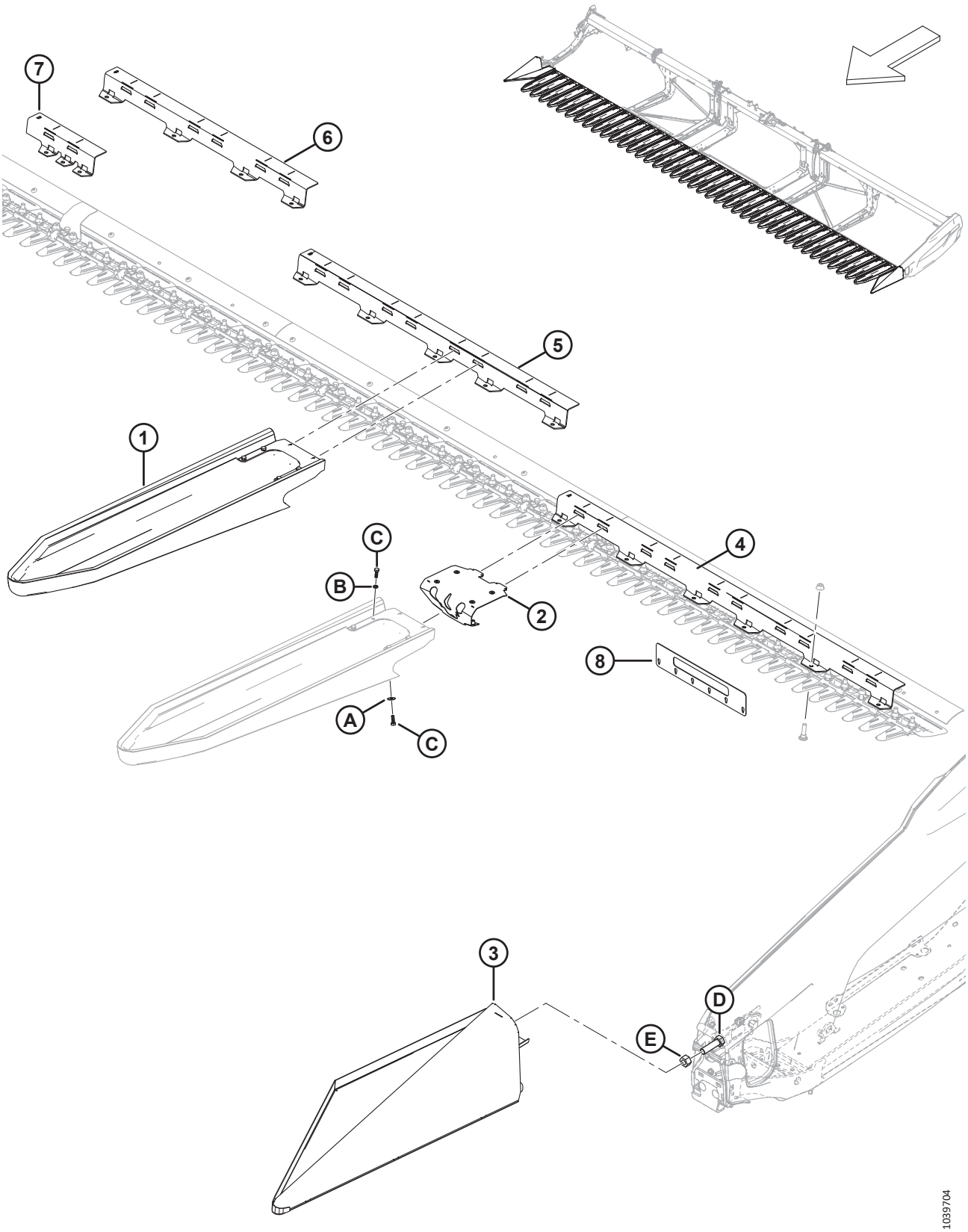
(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS



(OPTION) SUNFLOWER ATTACHMENT – BASE KIT – LEAN BAR AND DEFLECTORS

Ref	Part Number	Description	Qty	Serial Number
H	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
J	21572	BOLT – HEX HD 1/4 20 X 0.625 GR5 AA1J		
K	135248	NUT – HEX FLG CTR LOC		
L	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
M	320190	SCREW – TORX TRUSS HD M8 X 1.25 X 20-SPCL-8.8-ZINC		
N	252179	RIVNUT – M8 X 1.25 HEX 0.7-3.8		

133 (Option) Sunflower Attachment – Base Kit – Pans and Supports



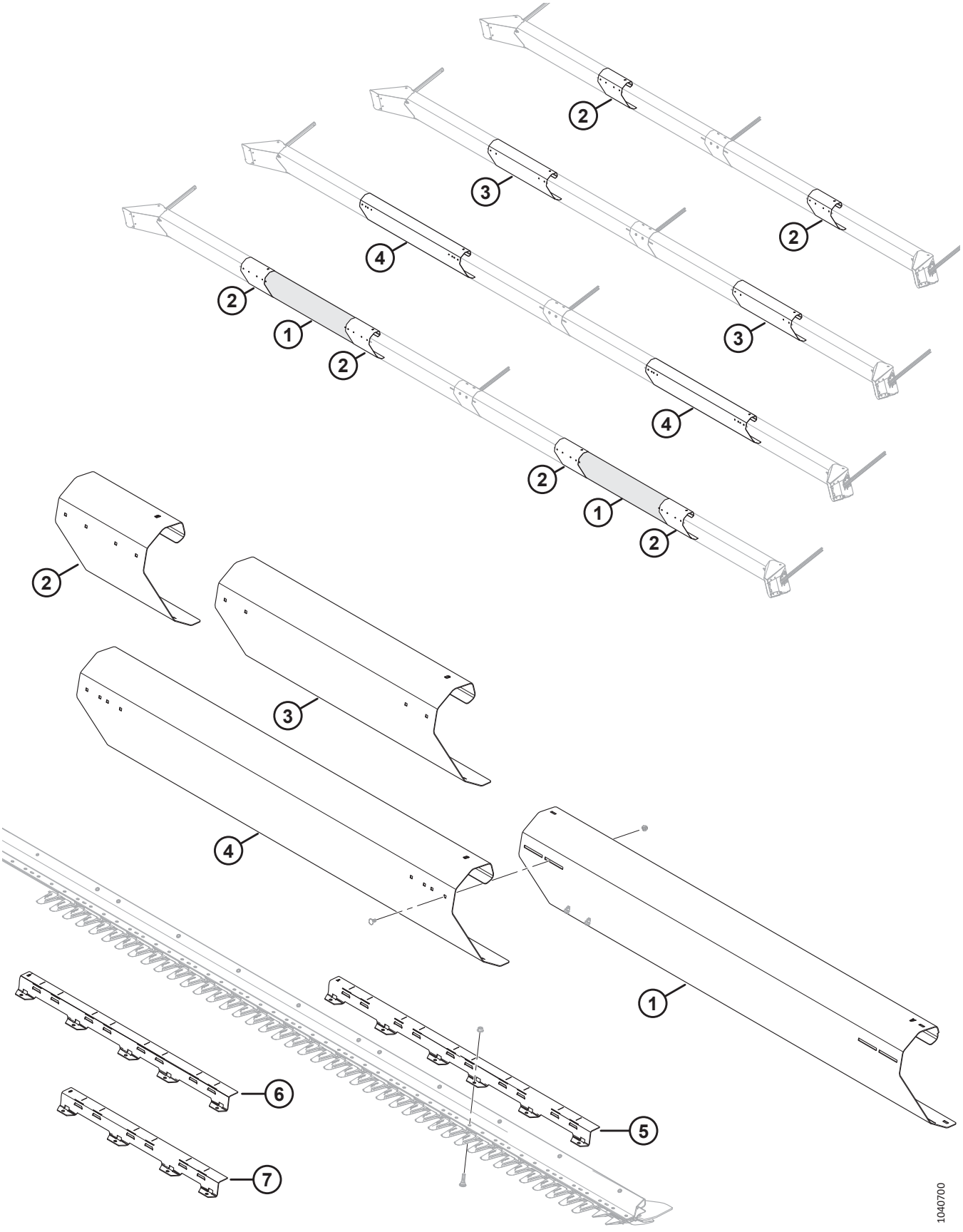
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7302	KIT – SUNFLOWER ATTACHMENT, BASE [399]		
1	119529	PAN – SUNFLOWER QUICK ATTACH [400]	5	
2	119726	ASSEMBLY – PAN LATCH [401]	5	
3	119560	PAN – END LH WELDT	1	
	119565	PAN – END RH WELDT	1	
4	119558	SUPPORT – PAN 5 FT A	2	
5	119653	SUPPORT – PAN 4 FT B	3	
6	119654	SUPPORT – PAN 3 FT C	4	
7	119655	SUPPORT – PAN HINGE D	1	
	119656	SUPPORT – PAN HINGE E	1	
8	119766	TOOL – GUARD TIP CHECK, 2 SERIES	1	
A	184709	WASHER – FLAT LARGE M8-200HV		
B	30716	WASHER – LOCK SPRING M8-CS-1055-1065-AA1J		
C	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
D	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
E	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		

399. Base kit B7302 includes all parts listed in this section and Section *132 (Option) Sunflower Attachment – Base Kit – Lean Bar and Deflectors, page 297*. Kits are available through Whole Goods only.
400. Includes latch assembly (MD #119726), clamp (NSS), six bolts (MD #184652), four lock spring washers (MD #30716), and two flat washers (MD #184709).
401. Includes six rivnuts (MD #252179).

134 (Option) Sunflower Attachment – Deflector Kits



(OPTION) SUNFLOWER ATTACHMENT – DEFLECTOR KITS

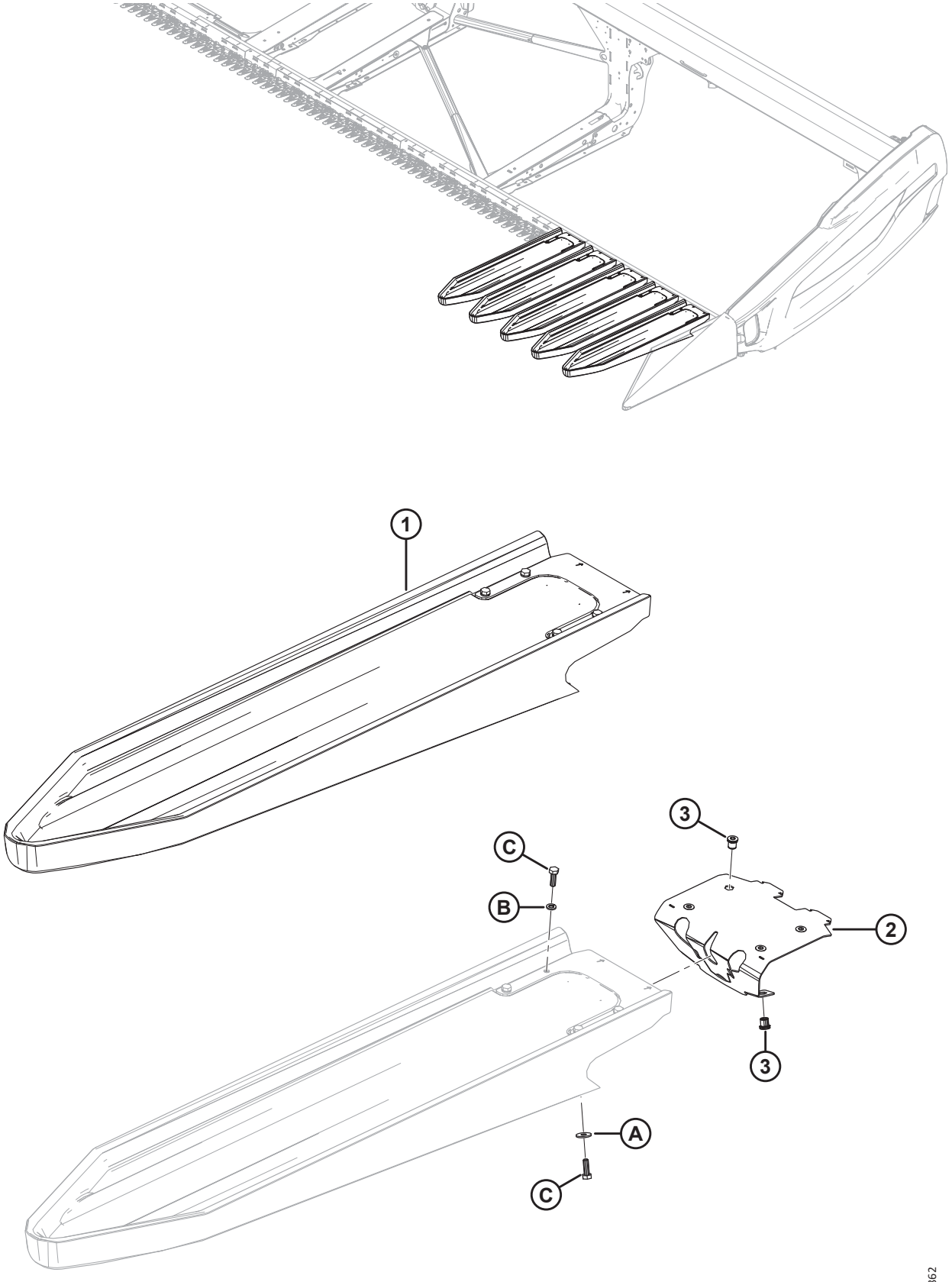
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7304	KIT – SUNFLOWER DEFLECTOR 30 FT [402]		
	B7305	KIT – SUNFLOWER DEFLECTOR 35 FT [402]		
	B7306	KIT – SUNFLOWER DEFLECTOR 41 FT [402]		
	B7307	KIT – SUNFLOWER DEFLECTOR 45 FT [402]		
1	119691	DEFLECTOR – LEAN BAR A [403]	2	
2	119692	DEFLECTOR – LEAN BAR B [404]		
3	119693	DEFLECTOR – LEAN BAR C [405]	2	
4	119694	DEFLECTOR – LEAN BAR D [406]	2	
5	119558	SUPPORT – PAN A (5 FT) [407]	2	
6	119653	SUPPORT – PAN B (4 FT) [406]	1	
7	119654	SUPPORT – PAN C (3 FT) [408]	3	

402. Kits are available through Whole Goods only.
403. Included in B7307 (D245 headers).
404. Included in B7304 (D230 headers) and B7307 (D245 headers). Quantites: D230 = 2; D245 = 4.
405. Included in B7305 (D235 headers)
406. Included in B7306 (D241 headers).
407. Included in B7306 (D241 headers) and B7307 (D245 headers).
408. Included in B7305 (D235 headers) and B7307 (D245 headers).

135 (Option) Sunflower Attachment – Pans



(OPTION) SUNFLOWER ATTACHMENT – PANS

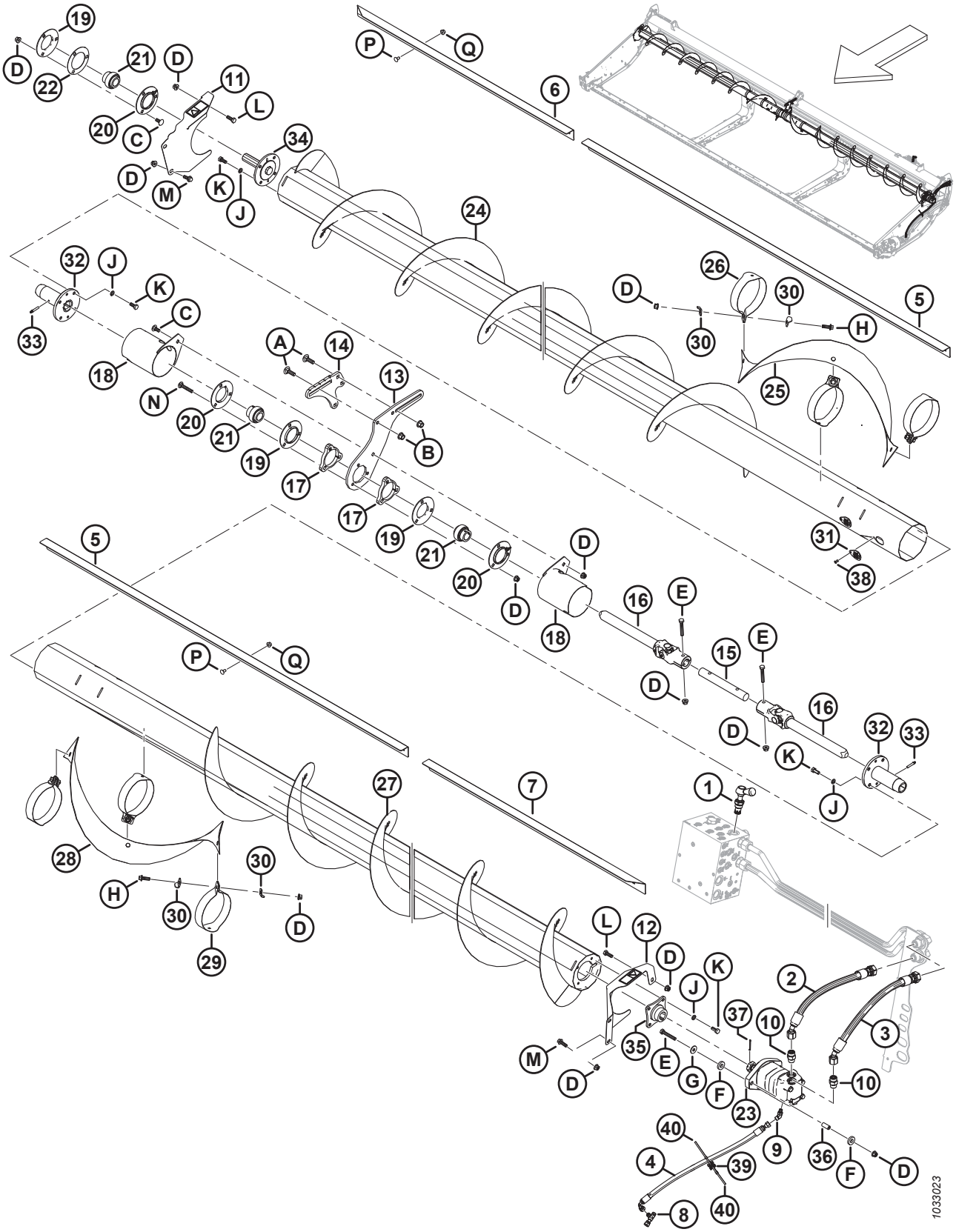
NOTE:

The Sunflower Attachment is compatible with pointed knife guards only.

Ref	Part Number	Description	Qty	Serial Number
	B7303	KIT – 2 SERIES SUNFLOWER PAN (5 PANS) [409]		
	119737	KIT – 2 SERIES SUNFLOWER PAN (5 PANS)		
1	119529	PAN – SUNFLOWER QUICK ATTACH [410]	5	
2	119726	ASSEMBLY – PAN LATCH [411]	5	
3	252179	RIVNUT – M8 X 1.25 HEX0.7-3.8	30	
A	184709	WASHER – FLAT LARGE M8-200HV		
B	30716	WASHER – LOCK SPRING M8-CS-1055-1065-AA1J		
C	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		

409. Kit contains 5 pans. Base kit (B7302) contains pans for D230 headers. D235 requires 1 pan kit, D241 requires 2 pan kits, and D245 requires 3 pan kits. Kits are available through Whole Goods only.
410. Includes latch assembly (MD #119726), clamp (NSS), six bolts (MD #184652), four lock spring washers (MD #30716), and two flat washers (MD #184709).
411. Includes six rivnuts (MD #252179).

136 (Option) Upper Cross Auger – Two-Piece Auger (D225, D230, D235, and D241)

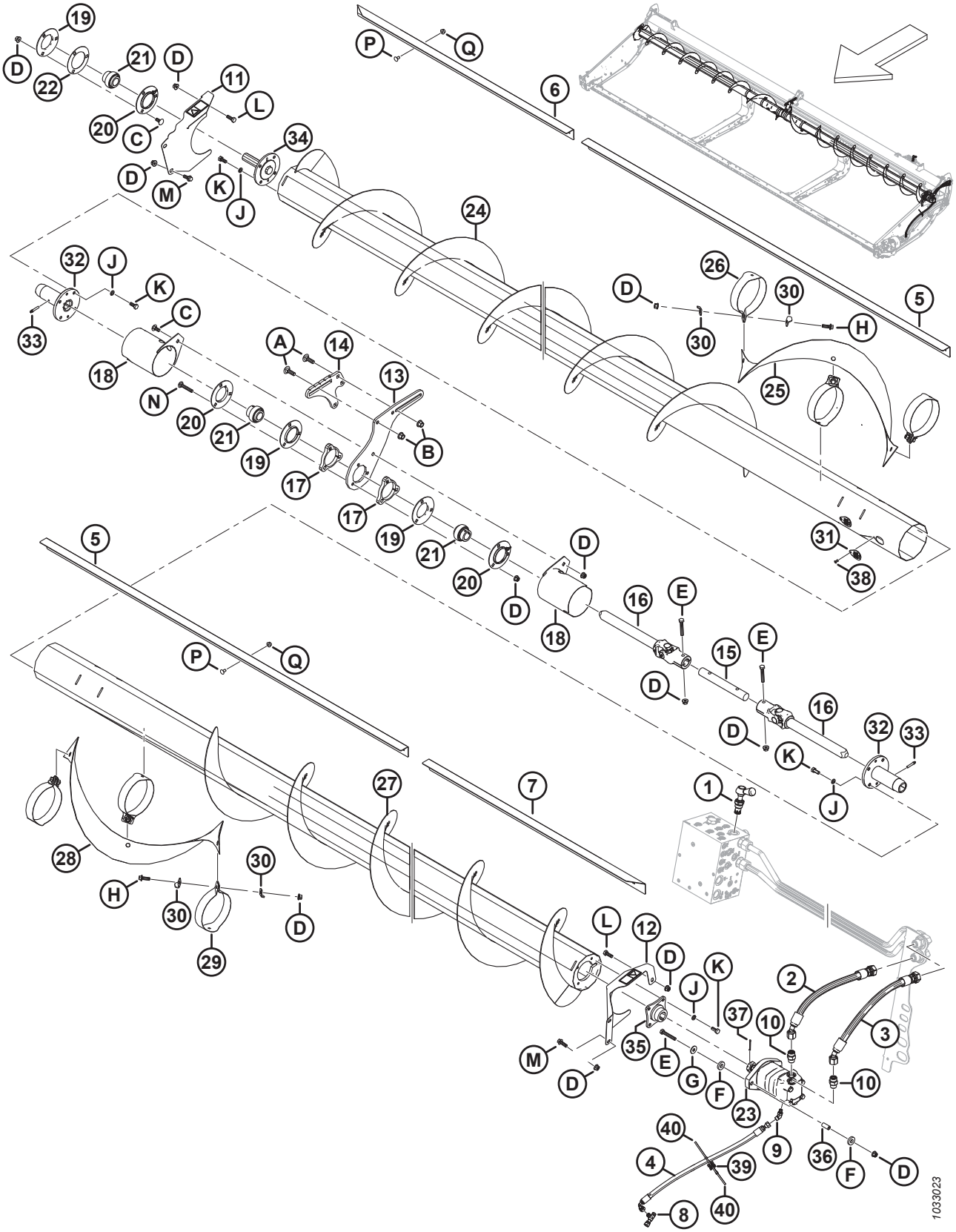


(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
	B6413	KIT – D225 UPPER CROSS AUGER [412]		
	B6414	KIT – D230 UPPER CROSS AUGER [412]		
	B6415	KIT – D235 UPPER CROSS AUGER [412]		
	B6416	KIT – D241 UPPER CROSS AUGER [412]		
1	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
2	283061	HOSE – HYD	1	
3	283062	HOSE – HYD	1	
4	283077	HOSE – HYD	1	
5	275521	DEFLECTOR – INBOARD 30, 35, AND 41 FT [413]	2	
6	275530	DEFLECTOR – 25 FT	1	
	275533	DEFLECTOR – RH OUTBOARD 30 FT	1	
	275543	DEFLECTOR – RH OUTBOARD 35 FT	1	
	275614	DEFLECTOR – RH OUTBOARD 41 FT	1	
7	275530	DEFLECTOR – 25 FT	1	
	275532	DEFLECTOR – LH OUTBOARD 30 FT	1	
	275542	DEFLECTOR – LH OUTBOARD 35 FT	1	
	275524	DEFLECTOR – LH OUTBOARD 41 FT	1	
8	252621	FITTING – TEE HYD	1	
	135957	O-RING – Ø1.78 X Ø7.65		
9	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
11	233725	SHIELD – ASSEMBLY RH C/W DECAL	1	
12	233724	SHIELD – ASSEMBLY LH C/W DECAL	1	
13	233738	PLATE – SUPPORT, CENTER SLIDING	1	
14	233736	PLATE – SUPPORT, CENTER FIXED	1	
15	233519	SHAFT	1	
16	233513	JOINT – UNIVERSAL	2	
17	233450	PLATE – SPACER	2	
18	233371	GUARD – WELDT	2	
19	49306	FLANGE	3	
20	30661	FLANGE	3	
21	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	3	
22	172340	SHIM	1	
23	283555	MOTOR – HYD-100 CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0-20 UNEF		

412. Kits are available through Whole Goods only.
413. Inboard deflectors (MD #275521) are not used on D225 headers.

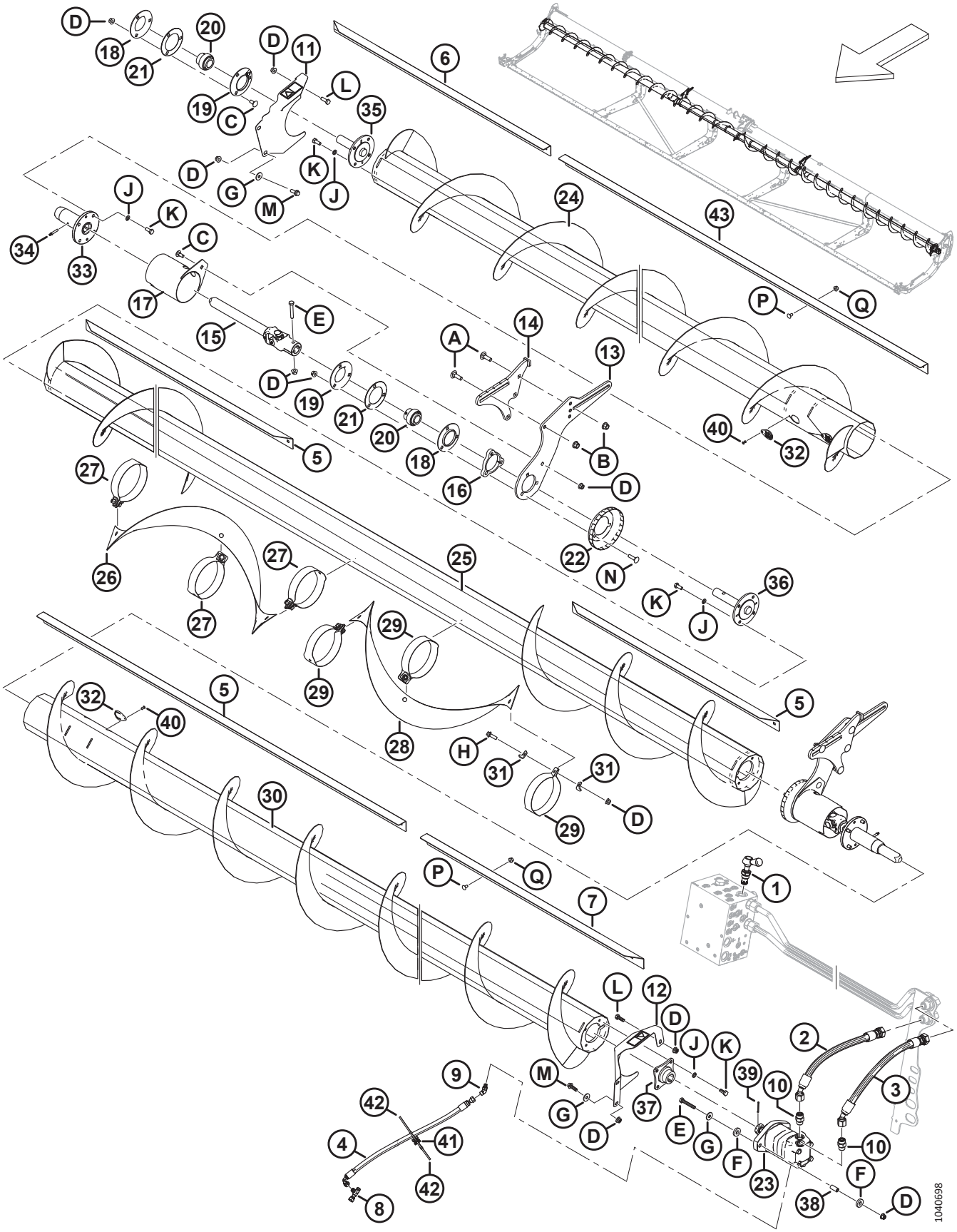
(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)



(OPTION) UPPER CROSS AUGER – TWO-PIECE AUGER (D225, D230, D235, AND D241)

Ref	Part Number	Description	Qty	Serial Number
24	233654	AUGER – WELDT RH 25 FT	1	
	233656	AUGER – WELDT RH 30 FT	1	
	233658	AUGER – WELDT RH 35 FT	1	
	233660	AUGER – WELDT RH 41 FT	1	
25	233705	FLIGHTING – RH	1	
26	233621	STRAP – RH	3	
27	233655	AUGER – WELDT LH 25 FT	1	
	233657	AUGER – WELDT LH 30 FT	1	
	233659	AUGER – WELDT LH 35 FT	1	
	233661	AUGER – WELDT LH 41 FT	1	
28	233706	FLIGHTING – LH	1	
29	233622	STRAP – LH	3	
30	233623	PLATE	12	
31	233625	COVER	4	
32	233514	HUB – WELDT UCA SLIDING	2	
33	30934	FITTING – 1/4-28 TAPER THD (LUBRICATION)	2	
34	233447	HUB – MACHINED	1	
35	233443	HUB – WELDT, UCA 1.25 TAPER SFAFT	1	
36	233445	SPACER	2	
37	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
38	18768	RIVET – BLIND Ø0.188 IN. X 0.251 TO 0.375 GRIP RANGE	4	
39	134442	SPACER – DUAL SWIVEL SADDLE	1	
40	21763	FASTENER – CABLE TIE, BLACK	2	
	302204	**DECAL – CA PROPOSITION 65**	**1**	
	233745	**DECAL – UCA VALVE**	**1**	
	279085	**DECAL – WARNING, AUGER**	**2**	
A	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
F	233446	WASHER – RUBBER		
G	184712	WASHER – FLAT LARGE M10-200HV		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	30632	WASHER – LOCK SPRING M10		
K	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
M	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
N	136113	BOLT – RHSN M10 X 1.5 X 60-8.8-AA1J		
P	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

137 (Option) Upper Cross Auger – Three-Piece Auger (D245)

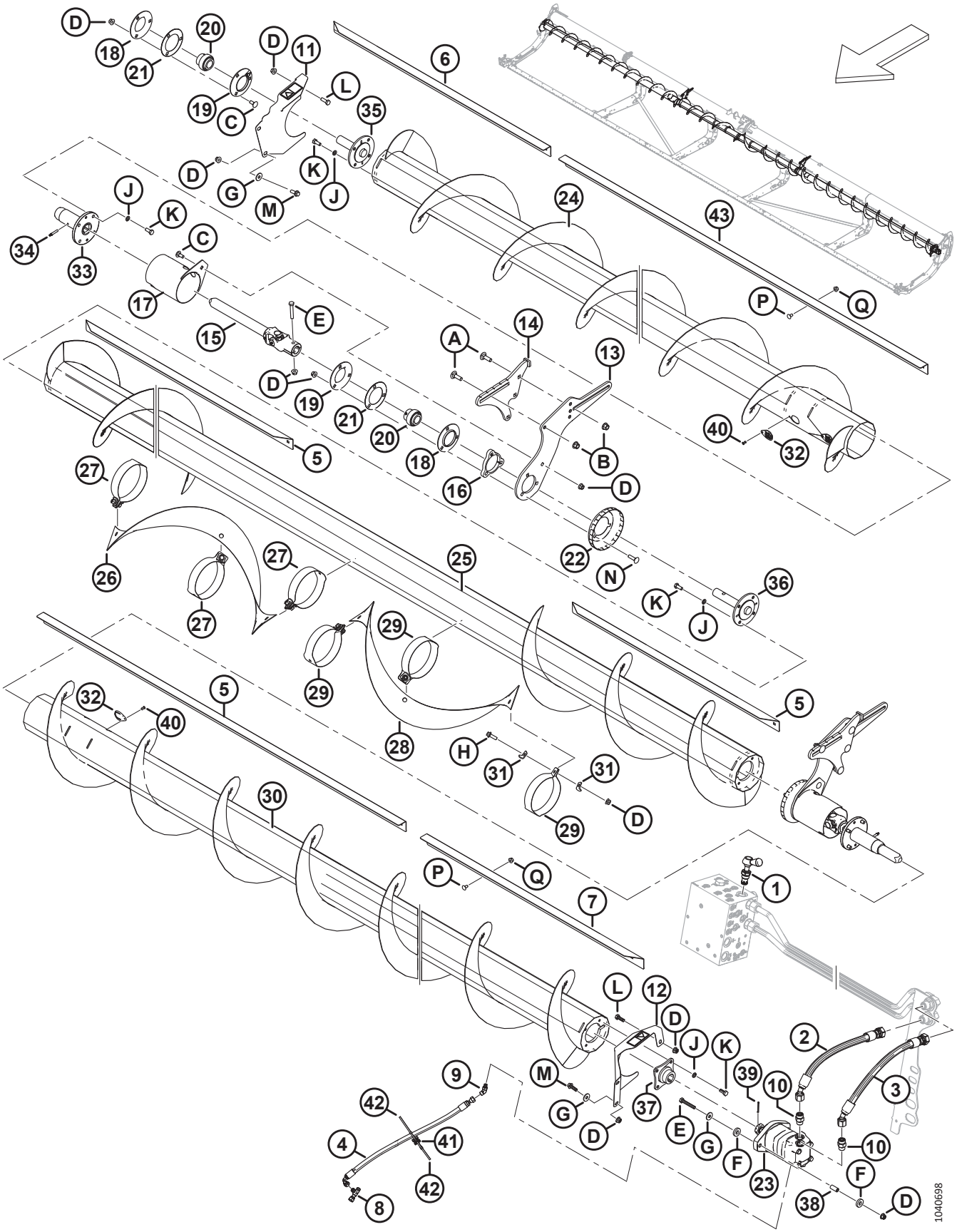


(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (D245)

Ref	Part Number	Description	Qty	Serial Number
	B6418	KIT – D245 UPPER CROSS AUGER [414]		
1	283571	VALVE – BYPASS	1	
	245158	SEAL KIT		
2	283061	HOSE – HYD	1	
3	283062	HOSE – HYD	1	
4	283077	HOSE – HYD	1	
5	275692	DEFLECTOR – INBOARD 45 FT	2	
6	275543	DEFLECTOR – RH OUTBOARD 45 FT	1	
7	275542	DEFLECTOR – LH OUTBOARD 45 FT	1	
8	252621	FITTING – TEE HYD	1	
	135957	O-RING – Ø1.78 X Ø7.65		
9	252307	FITTING – ELBOW 45° HYD	1	
	50223	O-RING – Ø1.83 X Ø8.92		
	135957	O-RING – Ø1.78 X Ø7.65		
10	184461	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
11	233725	SHIELD – ASSEMBLY RH C/W DECAL	1	
12	233724	SHIELD – ASSEMBLY LH C/W DECAL	1	
13	233741	PLATE – SUPPORT, CENTER SLIDING	2	
14	233740	SUPPORT – WELDMENT, CENTER FIXED	2	
15	233513	JOINT – UNIVERSAL	2	
16	233450	PLATE – SPACER	2	
17	233371	GUARD – WELDT	2	
18	49306	FLANGE	2	
19	30661	FLANGE	2	
20	21859	BEARING – SPH OD EXT INNER RACE 1 3/16 BORE	3	
21	172340	SHIM	2	
22	233552	SHIELD – FORMED	2	
23	283555	MOTOR – HYD-100 CC SAE B	1	
	174304	SEAL KIT – EATON 2000 MOTOR		
	137375	NUT – SLTD JAM 1.0-20 UNEF		
24	233662	AUGER – WELDT RH 45 FT	1	
25	233669	AUGER – WELDT CENTER 45 FT	1	
26	233705	FLIGHTING – RH	1	
27	233621	STRAP – RH	3	
28	233706	FLIGHTING – LH	1	
29	233622	STRAP – LH	3	
30	233663	AUGER – WELDT LH 45 FT	1	
31	233623	PLATE	12	
32	233625	COVER	4	
33	233514	HUB – WELDT, UCA SLIDING	2	

414. Kits are available through Whole Goods only.

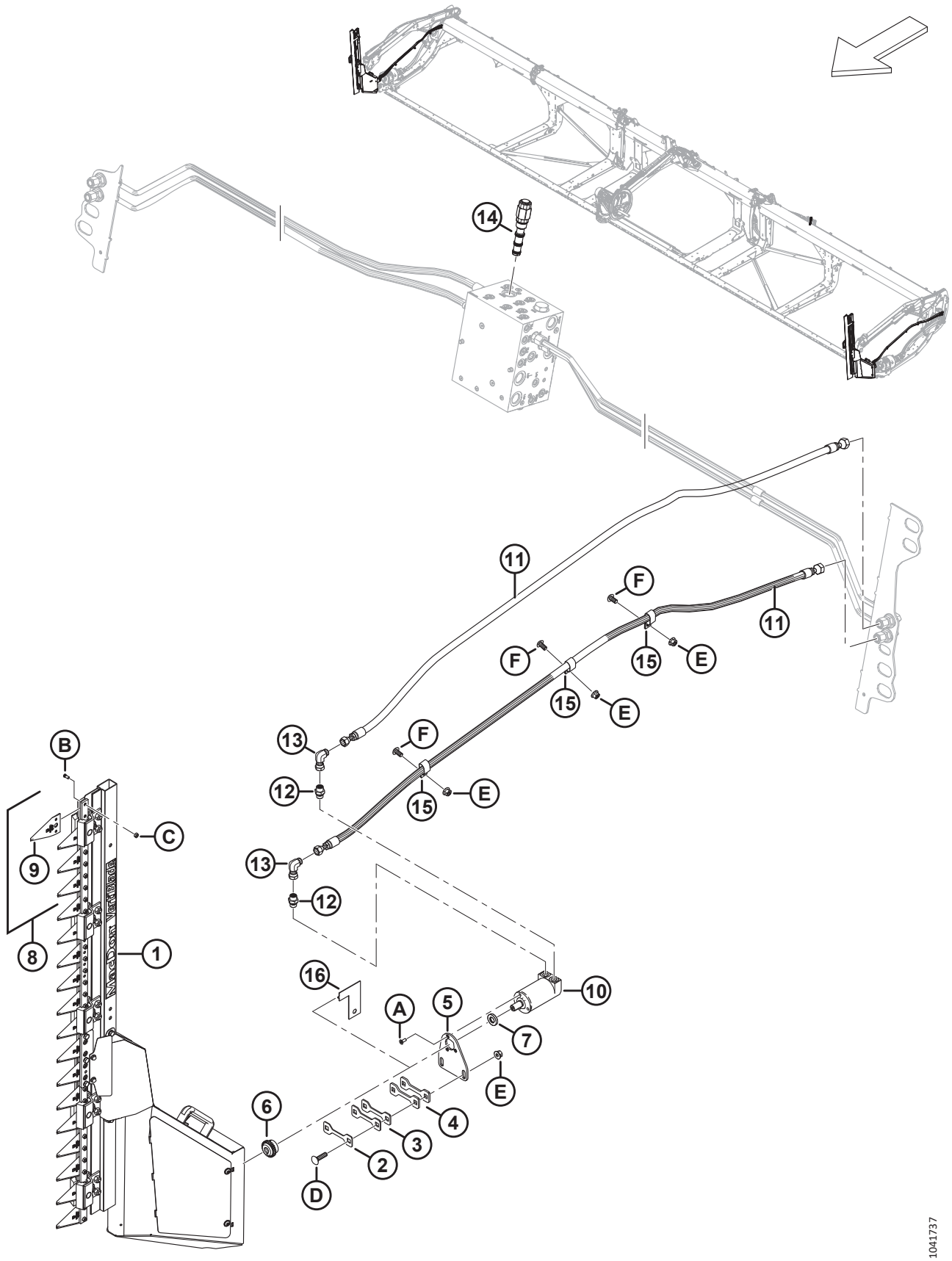
(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (D245)



(OPTION) UPPER CROSS AUGER – THREE-PIECE AUGER (D245)

Ref	Part Number	Description	Qty	Serial Number
34	30934	FITTING – 1/4-28 TAPER THD (LUBRICATION)	2	
35	233447	HUB – MACHINED, UCA IDLE END	1	
36	233516	HUB – MACHINED, UCA CENTER	2	
37	233443	HUB – WELDT, UCA 1.25 TAPER SFAFT	1	
38	233445	SPACER	2	
39	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	1	
40	18768	RIVET – BLIND Ø0.188 IN. X 0.251 TO 0.375 GRIP RANGE	4	
41	134442	SPACER – DUAL SWIVEL SADDLE	1	
42	21763	FASTENER – CABLE TIE, BLACK	2	
43	275691	DEFLECTOR – MIDDLE	2	
	302204	**DECAL – CA PROPOSITION 65**	**1**	
	233745	**DECAL – UCA VALVE**	**1**	
	279085	**DECAL – WARNING, AUGER**	**2**	
A	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
C	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	108172	BOLT – HEX HD M10 X 1.5 X 65-8.8-AA1J		
F	233446	WASHER – RUBBER		
G	184712	WASHER – FLAT LARGE M10-200HV		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	30632	WASHER – LOCK SPRING M10		
K	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
L	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
M	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
N	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		
P	191489	BOLT – RHSSN TFL M8 X 1.25 X 16-8.8-AA1J		
Q	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

138 (Option) VertiBlade™ Vertical Knife Kit

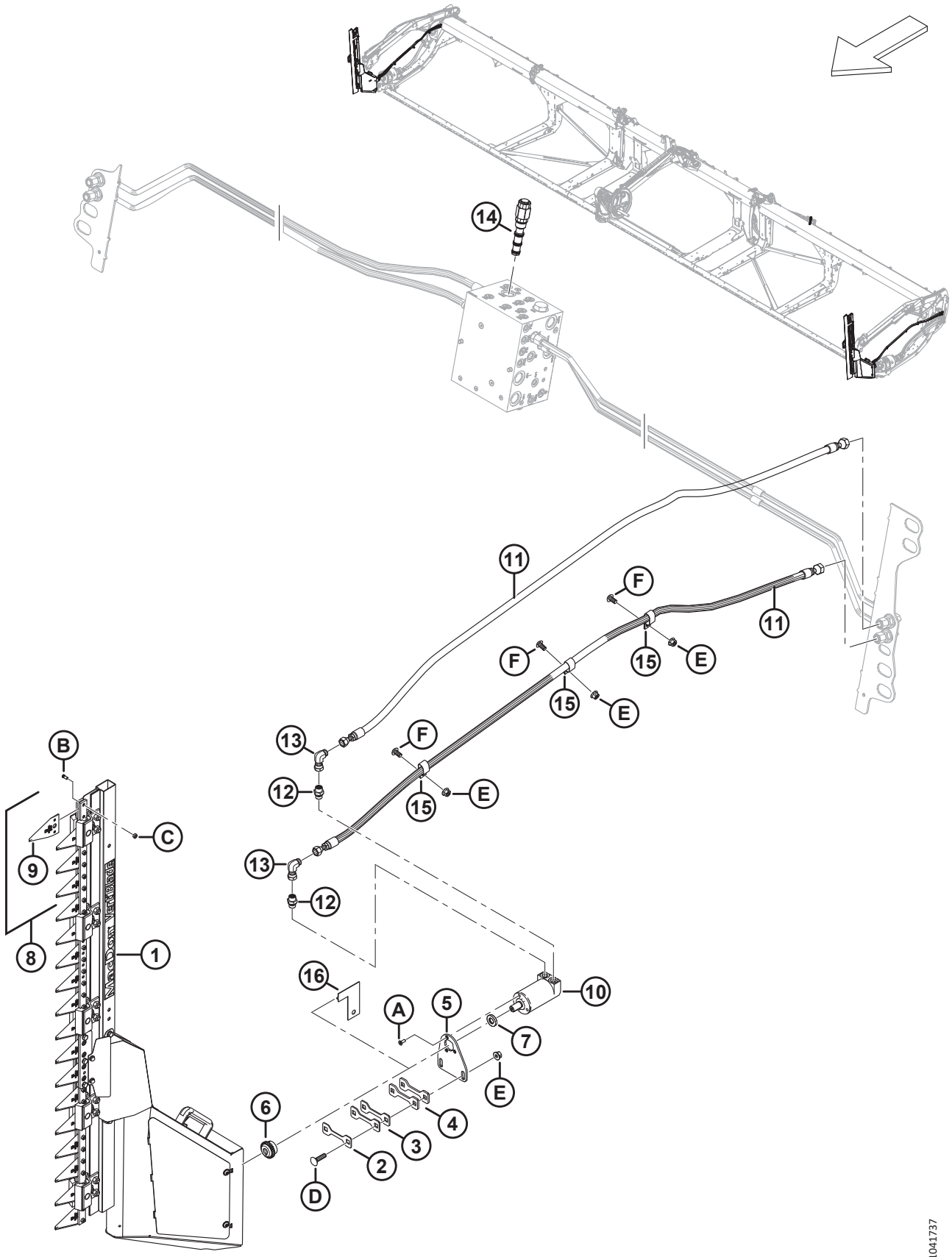


(OPTION) VERTIBLADE™ VERTICAL KNIFE KIT

Ref	Part Number	Description	Qty	Serial Number
	B7029	KIT – VERTIBLADE VERTICAL KNIVES [415]		
	B7464	**KIT – VERTICAL KNIFE COMPONENTS** [416]		
	B7466	**KIT – VERTICAL KNIFE** [417]		
1	313502	KNIFE – VERTICAL ASSEMBLY, RH [418]	1	
	313501	KNIFE – VERTICAL ASSEMBLY, LH [418]	1	
2	313750	SHIM – 2 MM THK	A/R	
3	313749	SHIM – 3 MM THK	A/R	
4	313745	SHIM – 4.5 MM THK	A/R	
5	313744	SUPPORT – MOTOR VERTICAL KNIFE	2	
6	313808	HUB	2	
7	313801	SPACER	2	
8	313797	KIT – VERTICAL KNIFE SECTIONS [419]	A/R	
9	313788	SECTION – VERTICAL KNIFE	A/R	
10	304611	MOTOR – HYDRAULIC	2	
11	283066	HOSE – HYD	4	
12	136653	FITTING – ADAPTER	4	
	135865	O-RING – Ø1.78 X Ø9.25		
	136654	O-RING – 1.50 X 2.10 X 14.70		
13	136249	FITTING – ELBOW 90° HYD	4	
14	283008	VALVE – PRIORITY FLOW REG (FRRV) [420]	1	
	283579	SEAL KIT		
15	135235	CLAMP – DOUBLE HOSE INSULATED	6	
16	313780	GUIDE – VERTICAL KNIFE [421]	1	
A	320220	SCREW – TORX CSK HD TFL M6 X 1 X 16-SPCL-8.8-ZINC		
B	313789	SCREW – VERTICAL KNIFE SECTION		
C	313790	NUT – VERTICAL KNIFE SECTION		
D	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-AA1J		

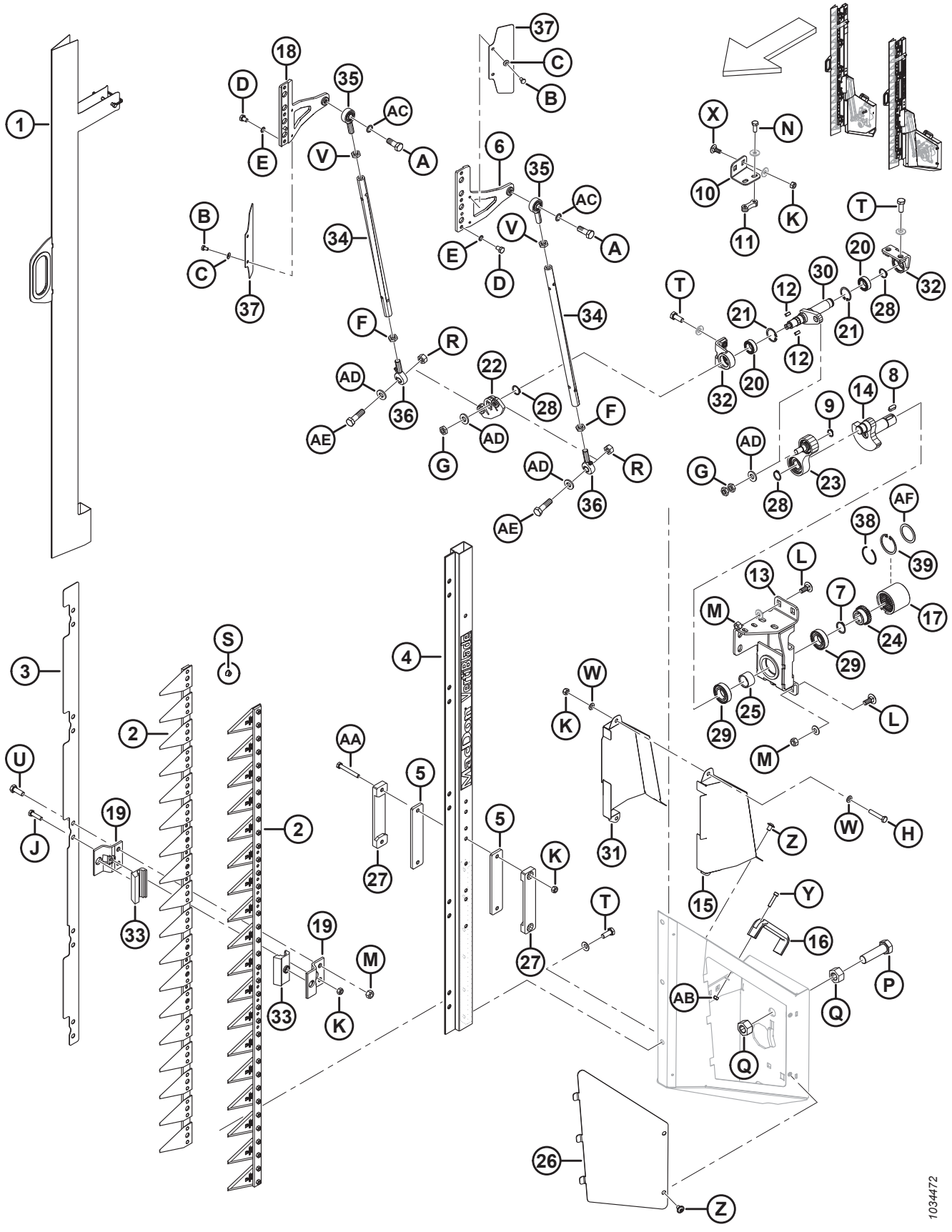
415. Kits are available through Whole Goods only.
416. For European markets. This kit includes everything in base vertical knife kit B7029 less the left and right vertical knives (MD #313501 and 313502), motors (MD #304611), knife sections kit (MD #313797), spacers (MD #313801), and hubs (MD #313808). To complete European vertical knives, order European Vertical Knife kit B7466. Kits are available through Whole Goods only.
417. For European markets. This kit includes the left and right vertical knives (MD #313501 and 313502), motors (MD #304611), knife sections kit (MD #313797), spacers (MD #313801), and hubs (MD #313808) only. To complete European vertical knives, order European Vertical Knife Components kit B7464. Kits are available through Whole Goods only.
418. For vertical knife components, refer to Section *139 (Option) VertiBlade™ Vertical Knife Components, page 319*.
419. The kit includes four vertical knife sections (MD #313788), eight vertical knife section screws (MD #313789), and eight vertical knife section nuts (MD #313790).
420. Connects to port FRRV.
421. The guide is used as a tool to determine the correct number of shims (MD #313750, MD #313749, and MD #313745) required to fill the gap between the frame plate and the guide. The guide is removed after determining the gap. Refer to the installation instructions for more details.

(OPTION) VERTIBLADE™ VERTICAL KNIFE KIT



Ref	Part Number	Description	Qty	Serial Number
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	**136395**	**SCREW – TORX TRUSS HD M10 X 1.5 X 20 X SPCL-8.8-A3L**		

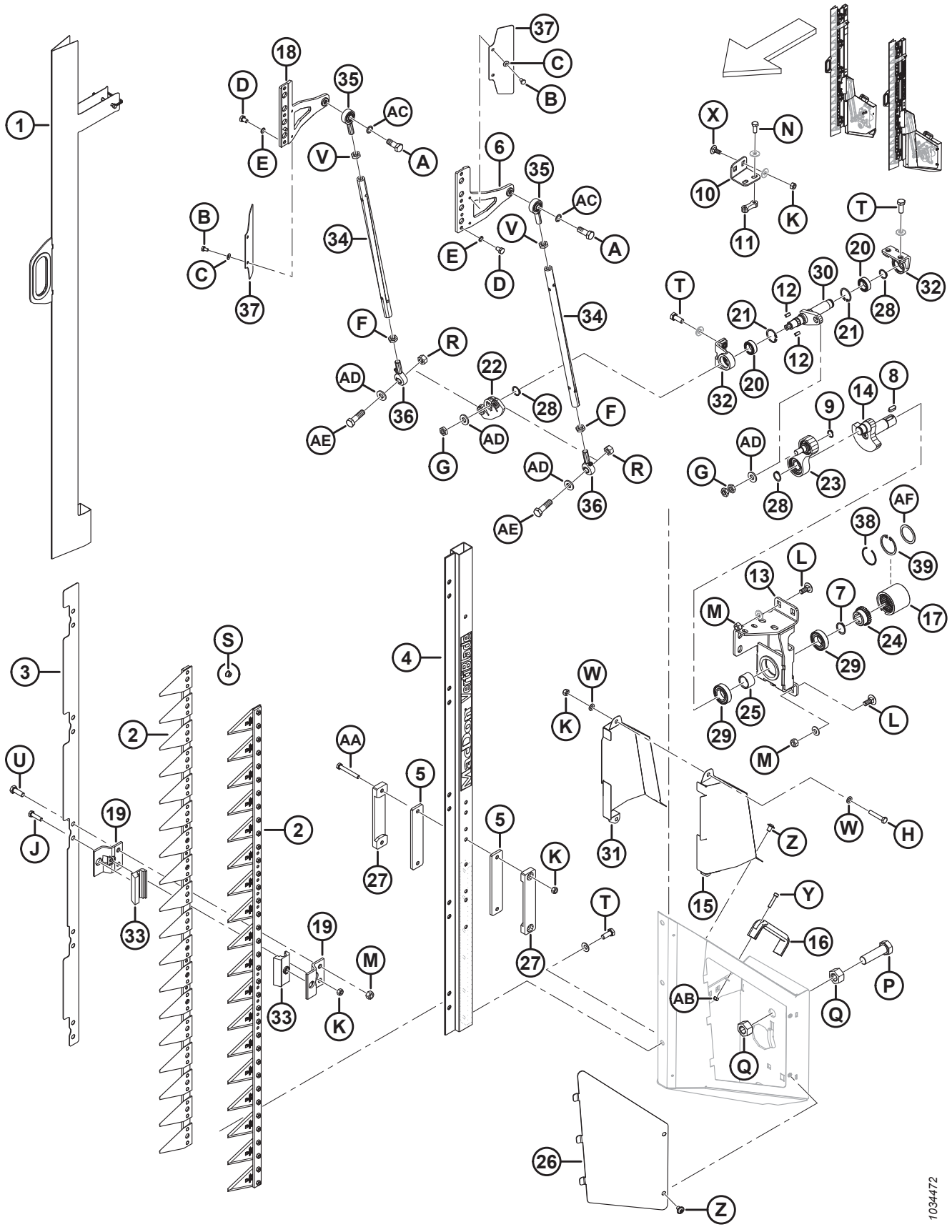
139 (Option) VertiBlade™ Vertical Knife Components



(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
	313501	KNIFE – VERTICAL ASSEMBLY, LH		
	313502	KNIFE – VERTICAL ASSEMBLY, RH		
1	313798	SHIELD – VERTICAL KNIFE	2	
2	313799	KNIFE ASSY – VERTICAL KNIFE	4	
3	313800	PLATE – ADAPTER POSITIONING	2	
4	313802	BAR	2	
5	313805	GUIDE – INNER	4	
6	313807	KNIFEHEAD – LH	2	
7	313810	RING – RETAINING EXTERNAL	2	
8	313815	KEY	2	
9	313819	RING – RETAINING EXTERNAL	2	
10	313882	BRACKET – CRANK DRIVE RH	1	
	313820	BRACKET – CRANK DRIVE LH	1	
11	313821	PLATE – THREADED	2	
12	313824	KEY	4	
13	313884	SUPPORT – RH DRIVE WELDMENT	1	
	313825	SUPPORT – LH DRIVE WELDMENT	1	
14	313828	SHAFT – CRANK	2	
15	313836	COVER – RH KNIFE OUTER	2	
	313835	COVER – LH KNIFE OUTER	2	
16	313841	HANDLE	2	
17	313809	COUPLING	2	
18	313869	KNIFEHEAD – RH	2	
19	313804	GUIDE – KNIFE	20	
20	313817	BEARING – ANGULAR	4	
21	313818	RING – RETAINING INTERNAL	4	
22	313826	ARM – OSCILLATING	2	
23	313827	PITTMAN ASSEMBLY	2	
24	313813	HUB	2	
25	313814	SLEEVE – CRANKSHAFT SPACER	2	
26	313834	COVER – RH SIDE	1	
	313833	COVER – LH SIDE	1	
27	313806	GUIDE – OUTER	4	
28	313811	RING – RETAINING EXTERNAL	6	
29	313812	BEARING	4	
30	313883	SHAFT – DRIVE, RH	1	
	313822	SHAFT – DRIVE, LH	1	
31	313838	COVER – RH KNIFE INNER	1	
	313837	COVER – LH KNIFE INNER	1	
32	313816	SUPPORT – OUTPUT SHAFT	4	
33	313803	GUIDE	20	
34	313829	TUBE	4	
35	313830	JOINT – BALL	4	
36	313831	JOINT – BALL BEARING	4	

(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

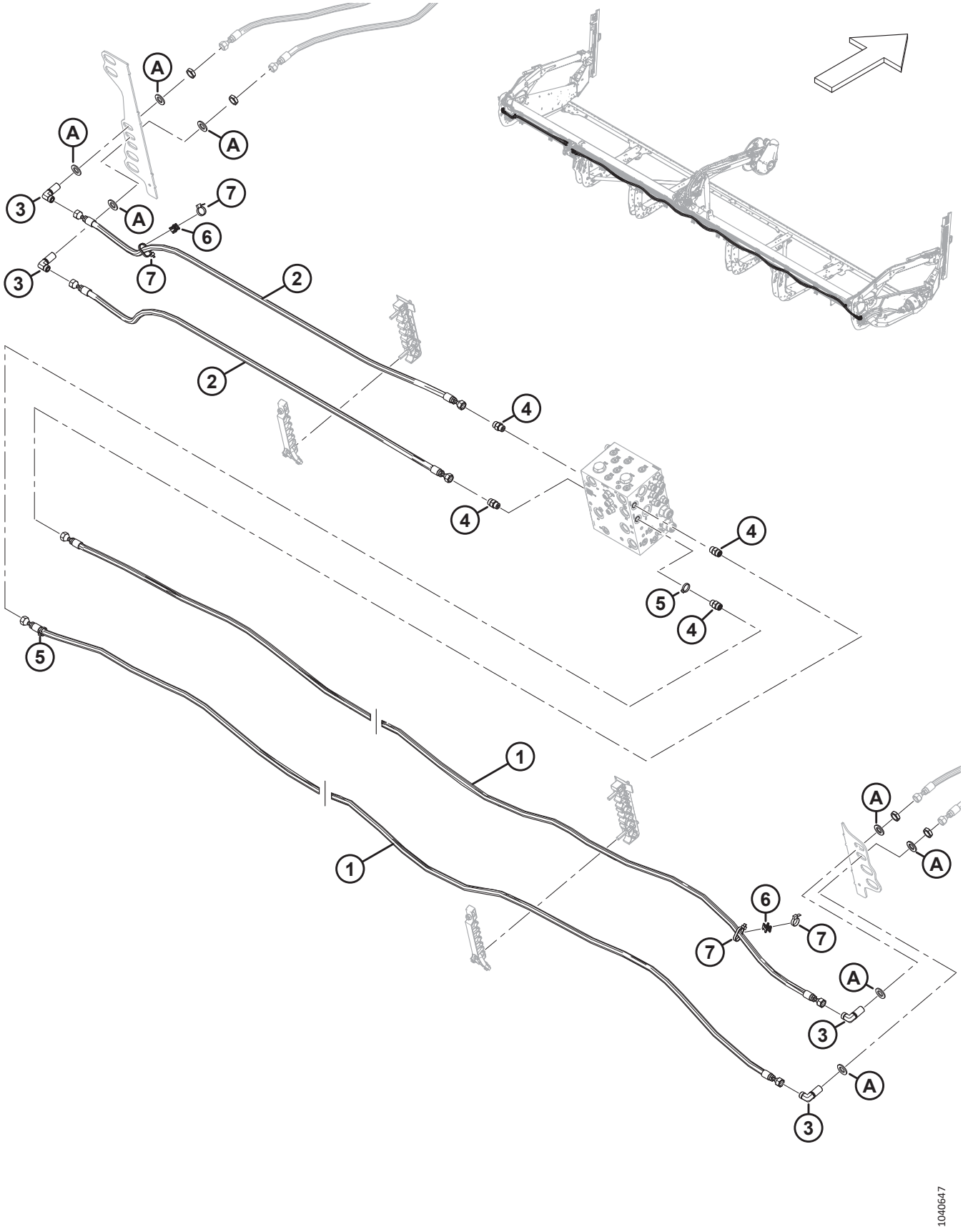


(OPTION) VERTIBLADE™ VERTICAL KNIFE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
37	313839	DEFLECTOR	4	
38	340077	RING – RETAINING [422]	1	
39	340078	RING – INTERNAL [422]	1	
	23165	DECAL – 50 HR LUBE		
	313881	DECAL – VERTICAL KNIFE HAZARD		
A	313847	SCREW – M12 X 1.75 X 32		
B	136561	BOLT – HEX HD TFL M6 X 1 X 10-8.8-AA1J		
C	30631	WASHER – LOCK SPRING M6		
D	313848	SCREW – HEX M8 X 1 X 12		
E	313849	WASHER – LOCK SCHNORR		
F	313844	NUT – HEX, M12 X 1.75 LH THD LOCK		
G	313845	NUT – HEX M12 X 1.5		
H	30660	BOLT – HEX HD M8 X 1.25 X 45-8.8-AA1J		
J	50140	BOLT – HEX HD M8 X 1.25 X 30-8.8-AA1J		
K	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
L	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
M	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
N	136302	BOLT – HEX SER FLG HD TFL M8 X 1.25 X 20-8.8-ZINC		
P	136339	BOLT – HEX HD FINE TFL M20 X 1.5 X 70 X 8.8-ZINC		
Q	136342	NUT – HEX FINE M20 X 1.5 X 10-AA3L		
R	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
S	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
T	152670	BOLT – HEX FLG HD M10 X 1.5 X 20-SPC-8.8-AA1J		
U	184661	BOLT – HEX HD TFL M10 X 1.5 X 30-8.8-AA1J		
V	184696	NUT – HEX THIN M12 X 1.75-05-AA1J		
W	184708	WASHER – FLAT M8-200HV-AA1J		
X	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
Y	252236	SCREW – HEX SOC M6 X 1 X 25-10.9 AA1T		
Z	252292	SCREW – HEX SOC BTN HD M8 X 1.25 X 12-10.9-AA1J		
AA	252398	BOLT – HEX HD M8 X 1.25 X 60-8.8-ZINC		
AB	136773	NUT – HEX CTR LOC M6 X 1-8-AA1J		
AC	313846	WASHER – LOCK SCHNORR		
AD	313832	WASHER		
AE	313843	SCREW – M12 X 1.75 X 43		
AF	340076	WASHER [422]		

422. Service part for coupling (MD #313809).

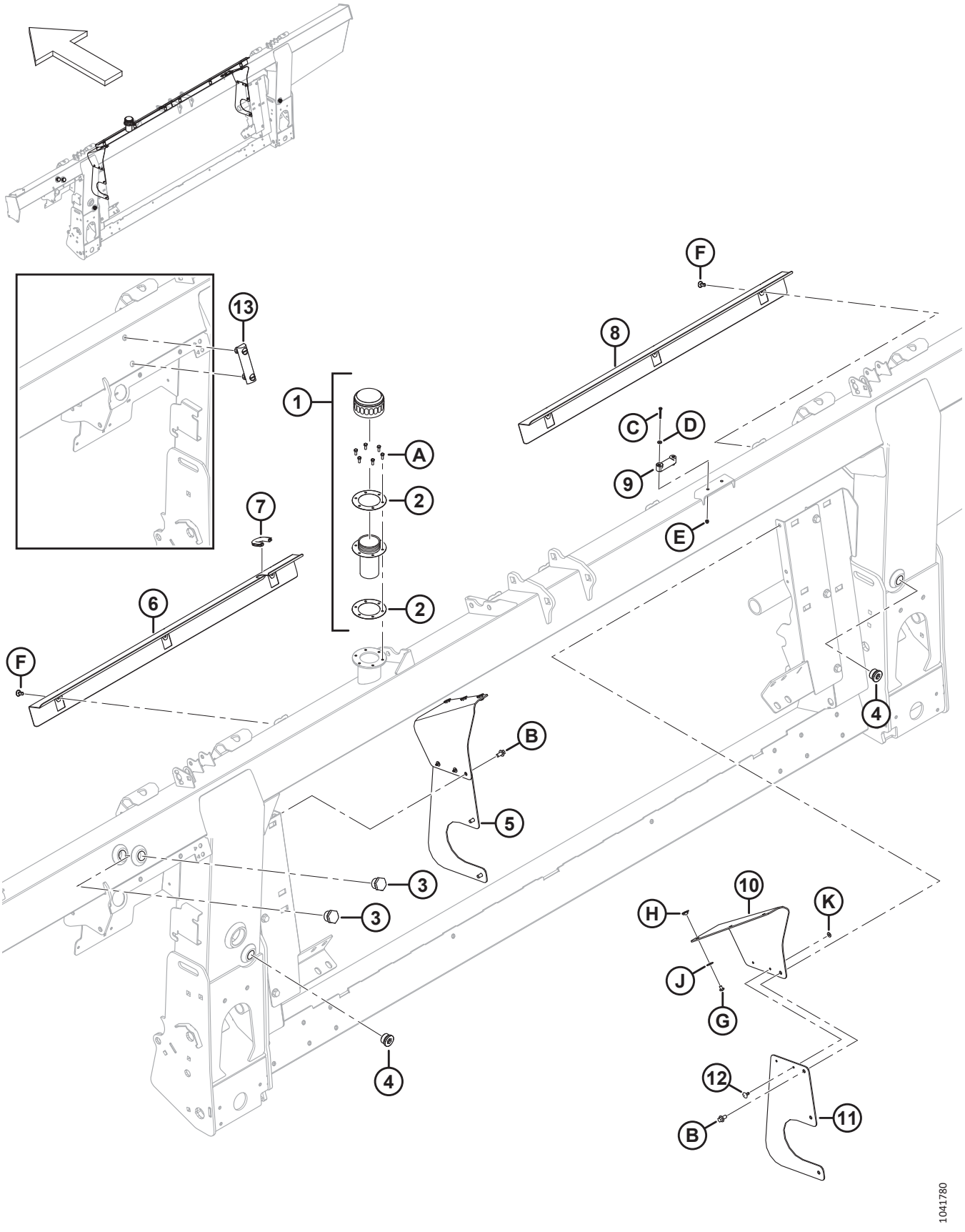
140 (Option) VertiBlade™ Vertical Knife Hydraulics



Ref	Part Number	Description	Qty	Serial Number
	B7339	KIT – 25 FT. VERTIBLADE PLUMBING PKG [423]		
	B7127	KIT – 30 FT. VERTIBLADE PLUMBING PKG [423]		
	B7128	KIT – 35 FT. VERTIBLADE PLUMBING PKG [423]		
	B7130	KIT – 41 FT. VERTIBLADE PLUMBING PKG [423]		
	B7410	KIT – 45 FT. VERTIBLADE PLUMBING PKG [423]		
1	323357	HOSE – HYDRAULIC (D225) [424]	2	
	311807	HOSE – HYDRAULIC (D230) [425]	2	
	311810	HOSE – HYDRAULIC (D235) [426]	2	
	311815	HOSE – HYDRAULIC (D241) [427]	2	
	323860	HOSE – HYDRAULIC (D245) [428]	2	
2	323373	HOSE – HYDRAULIC (D225) [424]	2	
	311808	HOSE – HYDRAULIC (D230) [425]	2	
	311811	HOSE – HYDRAULIC (D235) [426]	2	
	311814	HOSE – HYDRAULIC (D241) [427]	2	
	311816	HOSE – HYDRAULIC (D245) [428]	2	
3	136244	FITTING – ELBOW 90° BULKHEAD HYD [429]	4	
	135866	O-RING – Ø1.78 X Ø12.42		
4	135780	FITTING – ADAPTER	4	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
5	252795	FASTENER – CABLE TIE, PINK	4	
6	134442	SPACER – DUAL SWIVEL SADDLE	2	
7	30753	FASTENER – CABLE TIE, BLACK	4	
	136438	FITTING – ELBOW 45° HYD (NOT ILLUSTRATED) [430]	2	
A	18601	WASHER – FLAT SAE		

423. The kit includes all listed parts to make the header vertical knife (VertiBlade™) ready if not factory configured. Kits are available through Whole Goods only.
424. Used for D225 headers.
425. Used for D230 headers.
426. Used for D235 headers.
427. Used for D241 headers.
428. Used for D245 headers.
429. The fitting includes a securing nut.
430. This elbow fitting is included in the kit but is used only on headers configured for M Series Windrowers.

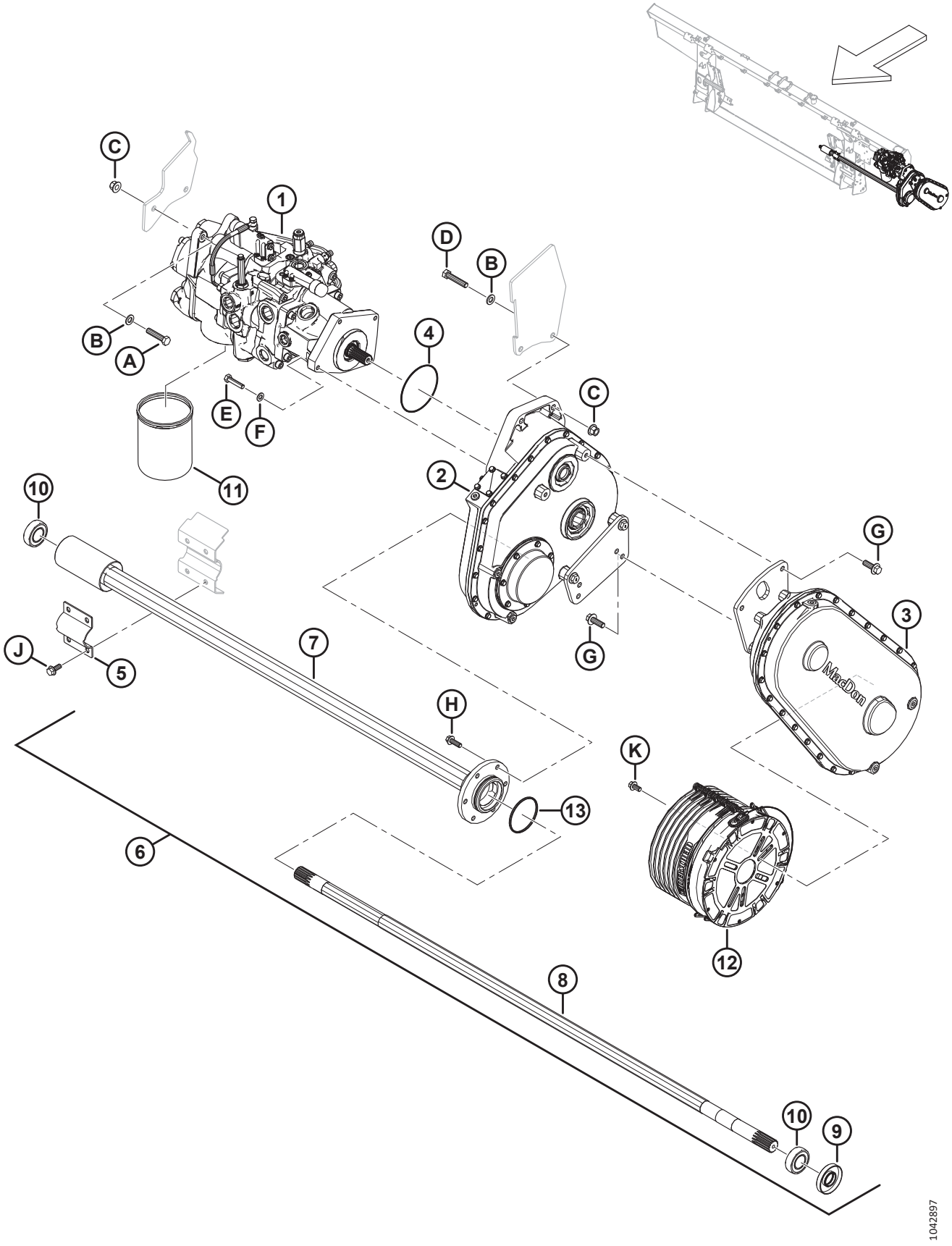
141 Frame Components – Float Module



Ref	Part Number	Description	Qty	Serial Number
1	133942	CAP – OIL FILLER [431]	1	
2	304658	GASKET – OIL FILLER (2 PACK)	1	
3	304668	SIGHT GLASS (2022 AND PRIOR) [432]	2	
4	136269	PLUG – HEX SOCKET	2	
	30971	O-RING – Ø2.95 X Ø23.47		
5	357512	KIT – DUST COVER SIDES [433]	A/R	
6	314928	COVER – LH	1	
7	194082	MOULDING	1	
8	322870	COVER – RH	1	
9	322872	LEVEL – BUBBLE	1	
10	357174	FLAP – DUST COVER FILLER	2	
11	357173	COVER – FEED AUGER SIDE	2	
12	293053	RIVET – POP	4	
13	156696	GAUGE – LEVEL (2023 AND LATER) [434]	1	
B	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
C	320388	SCREW – PAN HD TFL M4 X 0.7 X 30-4.8-ZINC		
D	18798	WASHER – FLAT SAE 7/32 ID X 7/16 IN OD AA1J		
E	197320	NUT – HEX NYLOC M4 X 0.7-8-AA1J		
F	368221	KIT – PUSH-IN CLIP [435]		
G	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
H	252051	NUT – TEE M6		
J	184706	WASHER – FLAT LARGE M6-200HV		
K	293054	WASHER – FLAT LARGE M5-200HV-AA1J		

431. Remove the cap and gasket covering the fill hole during shipping (not shown). Retain six screws (MD #135873). Replace the cap and gasket with oil filler cap (MD #133942) which comes complete with oil cap (NSS), filler neck (NSS), and two gaskets (MD #304658). Use the six screws retained from the shipping cap to attach the oil filler cap to the frame. The oil filler cap comes shipped with the frame or can be ordered as a replacement.
432. Sight glass (MD #304668) is used for machines made in model year 2022 and prior.
433. This kit is used to service units with superseded side covers (MD #347558). The kit includes two dust cover filler flaps (MD #357174), two feed auger side covers (MD #357173), four pop rivets (MD #293053), and hardware.
434. Level gauge (MD #156696) is used for machines made in model year 2023 and later.
435. Kit contains 6 push-in clips.

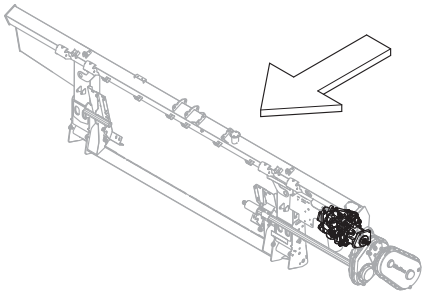
142 Pump, Gearbox, and Input Drive

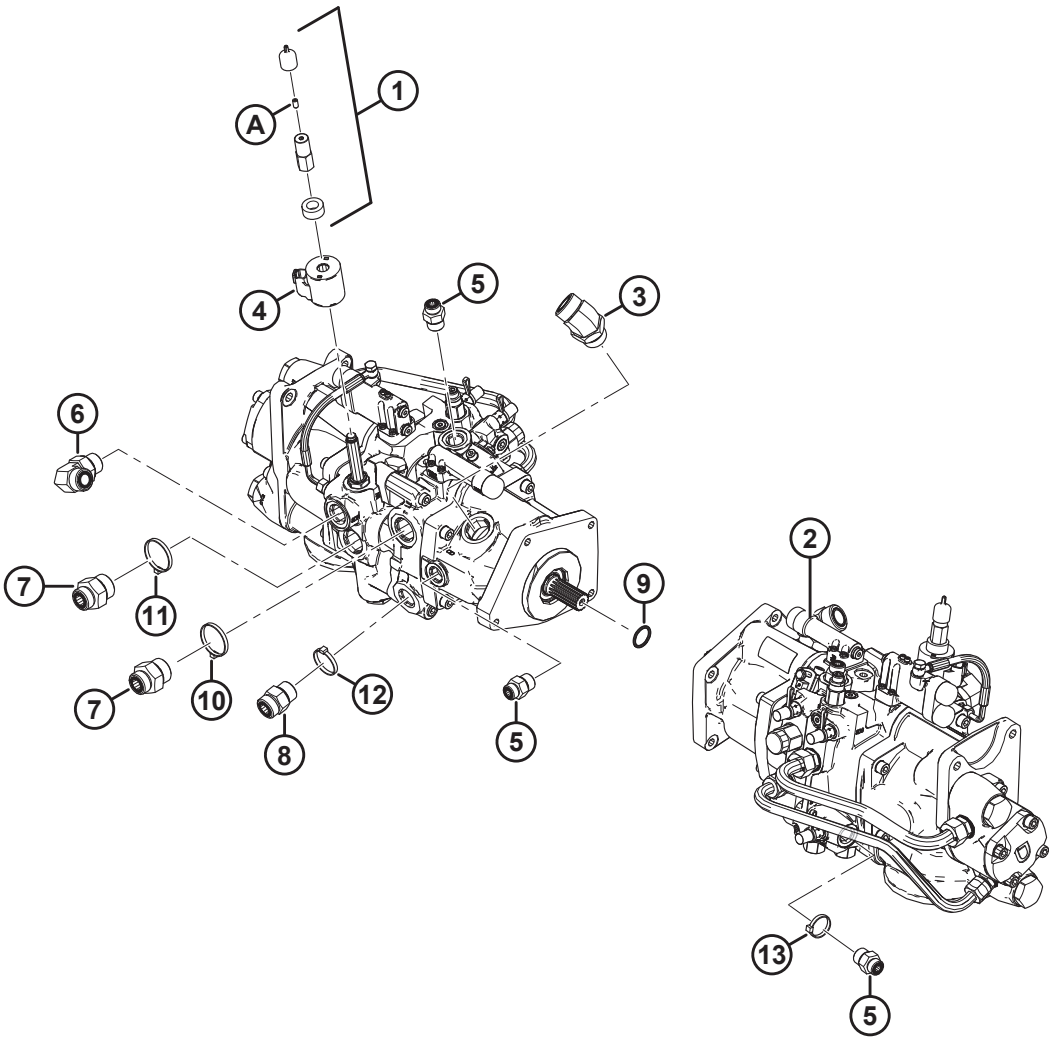


Ref	Part Number	Description	Qty	Serial Number
1	337774	PUMP – INTEGRATED [436]	1	
2	308725	DRIVE – FLOAT MODULE MAIN [437]	1	
3	308726	DRIVE – INPUT (CNH) [438]	1	
	337713	DRIVE – INPUT (JD) [439]	1	
	347001	DRIVE – INPUT (CLAAS) [440]	1	
	308863	DRIVE – INPUT (AGCO) [441]	1	
4	328713	O-RING – 2.62 X 113.97	1	
5	347185	CLAMP – AUGER PIVOT	1	
6	308732	ASSEMBLY – FEED AUGER SHAFT [442]	1	
7	328370	TUBE – OUTPUT	1	
8	308740	SHAFT – OUTPUT	1	
9	308755	SEAL – SHAFT	1	
10	**21363**	**BEARING – SPH OD AND COLLAR C/W 2 SEALS**	**2**	
11	320360	FILTER – HYD C/W 2X SEALS	1	
12	**322561**	**GUARD – COUNTER CONE 250 MM**	**1**	
13	252462	O-RING – 3.18 X 82.55	1	
A	152779	BOLT – HEX HD M12 X 1.75 X 55-8.8-AA1J		
B	184714	WASHER – FLAT REG M12-300HV		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	152274	BOLT – HEX HD M12 X 1.75 X 60-8.8-AA1J		
E	135335	BOLT – HEX HD M10 X 1.5 X 45-8.8-AA1J		
F	184711	WASHER – FLAT REG M10-200HV-AA1J		
G	152731	BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	184665	BOLT – HEX FLG HD M10 X 1.5 X 30-10.9-AA1J		
J	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
K	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

436. For pump assembly, refer to Section *143 Pump Assembly, page 329*.
437. For gearbox assembly, refer to Section *145 Gearbox Assembly, page 335*.
438. Used with Case and New Holland combines. For input drive assembly, refer to Section *146 Input Drive Assembly, page 339*.
439. Used with John Deere combines. For input drive assembly, refer to Section *146 Input Drive Assembly, page 339*.
440. Used with CLAAS combines. For input drive assembly, refer to Section *146 Input Drive Assembly, page 339*.
441. Used with Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines. For input drive assembly, refer to Section *146 Input Drive Assembly, page 339*.
442. The feed auger shaft assembly includes shaft seal (MD #308755), collar bearing (MD #21363), output tube (MD #328370), output shaft (MD #328202), insert bearing (MD #328371), O-ring (MD #252462), and two set screws (MD #320418).

143 Pump Assembly





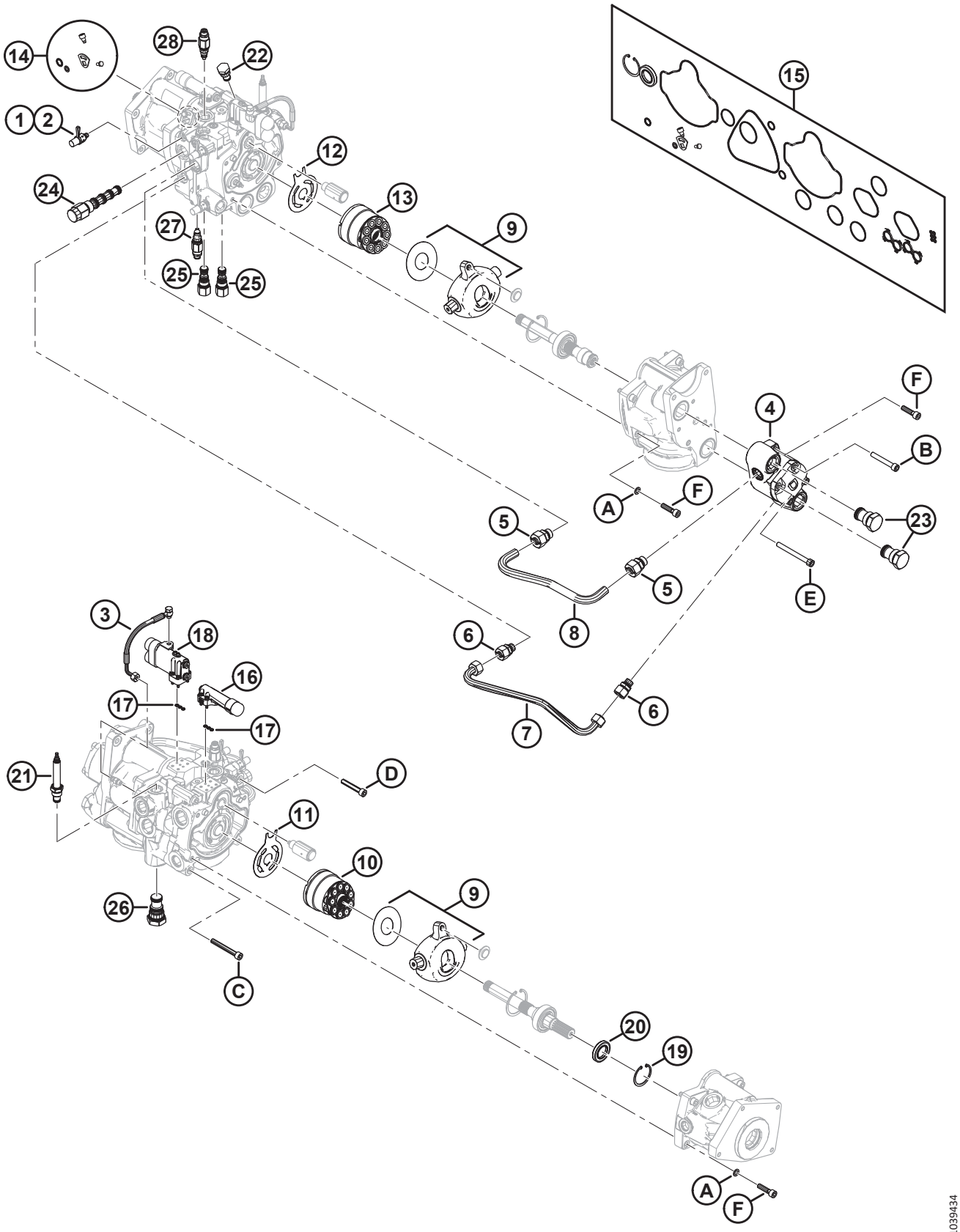
1034439

PUMP ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
1	328262	KIT – MANUAL OVERRIDE [443]	1	
2	337774	PUMP – INTEGRATED [444]	1	
	322148	SEAL KIT		
3	252814	FITTING – ELBOW 45° HYD	1	
	135554	O-RING – 1.78 X 23.52		
	50220	O-RING – Ø2.95 X Ø29.74		
4	209045	COIL – SOLENOID	1	
5	184463	FITTING – ADAPTER HYD (M1, M2) [445]	3	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
6	135821	FITTING – ELBOW 90° HYD (SDP) [446]	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
7	135789	FITTING – ADAPTER (KP) [447]	2	
	50220	O-RING – Ø2.95 X Ø29.74		
	135868	O-RING – Ø1.78 X Ø18.77		
8	135788	FITTING – ADAPTER (SDR) [448]	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
9	17006	O-RING – 3.18 X 25.40	1	
10	40704	FASTENER – CABLE TIE, ORANGE	1	
11	40703	FASTENER – CABLE TIE, BLUE	1	
12	40702	FASTENER – CABLE TIE, RED	1	
13	21763	FASTENER – CABLE TIE, BLACK	1	
A	21061	SCREW – SET HEX SOC 1/4-20 X 1/2 GR5 AF0C	1	

443. The kit includes spacer coil (NSS), dust cap (NSS), coil nut (NSS), and set screw (MD #21061).
444. If replacement parts are needed for discontinued seal kit (MD #328281) or discontinued relief valves (MD #322159 and MD #328282), order new integrated pump (MD #337774). For integrated pump service parts, refer to Section *144 Integrated Pump – Service Parts, page 331*.
445. Connects to ports M1 and M2.
446. Connects to port SDP.
447. Connects to port KP.
448. Connects to port SDR.

144 Integrated Pump – Service Parts

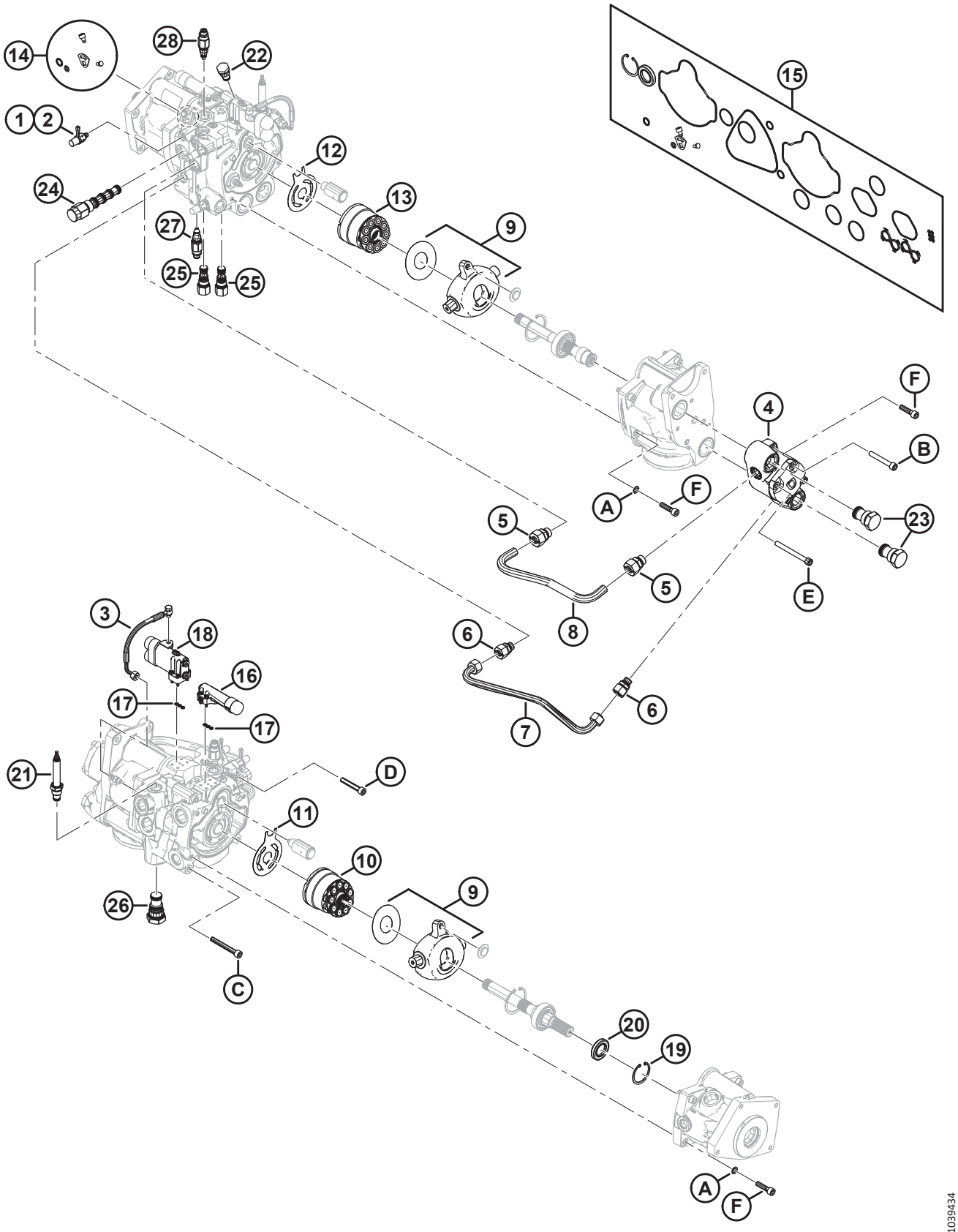


NOTE:

All illustrated parts that are **NOT** in the parts list are non-serviced parts, illustrated for reference only.

Ref	Part Number	Description	Qty	Serial Number
	337774	PUMP – INTEGRATED [449]		
1	136900	CAP – DUST	3	
2	134437	FITTING – COUPLING HYD-TEST PORT	3	
3	276790	KIT – LS HOSE AND HARDWARE	1	
4	328288	KIT – 15CC GEAR PUMP W/ HARDWARE	1	
5	328292	FITTING – ADAPTER (18 MM) [450]	2	
6	328293	FITTING – ADAPTER (15 MM) [451]	2	
7	328291	LINE – REVERSE	1	
8	328290	LINE – FORWARD	1	
9	337441	KIT – SWASHPLATE REBUILD	2	
10	328313	KIT – 45CC ROTATING GROUP	1	
11	328312	PLATE – VALVE	1	
12	328311	PLATE – VALVE	1	
13	328310	KIT – 38CC ROTATING GROUP	1	
14	337440	KIT – KNIFE PUMP CAM SEAL	1	
15	328309	KIT – PUMP SEAL	1	
16	**328306**	**KIT – KNIFE DRIVE COMPENSATOR** [452]	**1**	
	357937	**CAP – DUST**	**1**	
17	328308	KIT – COMPENSATOR SEALS (LOAD SENSE)	2	
18	**328307**	**KIT – SIDE DRAPER COMPENSATOR** [453]	**1**	
	357937	**CAP – DUST**	**2**	
19	328178	RING – RETAINING INTERNAL	1	
20	322142	SEAL – SHAFT	1	
21	328261	VALVE – FLOW CONTROL (MV) [454]	1	
	252351	SEAL KIT		
22	123318	VALVE – CHECK (CV6) [455]	1	
	322148	**SEAL KIT**		
23	322161	VALVE – CHECK (CV1, CV2) [456]	2	
	328283	SEAL KIT		
24	322160	VALVE – PO 3WAY (DH) [457]	1	
	328269	SEAL KIT		

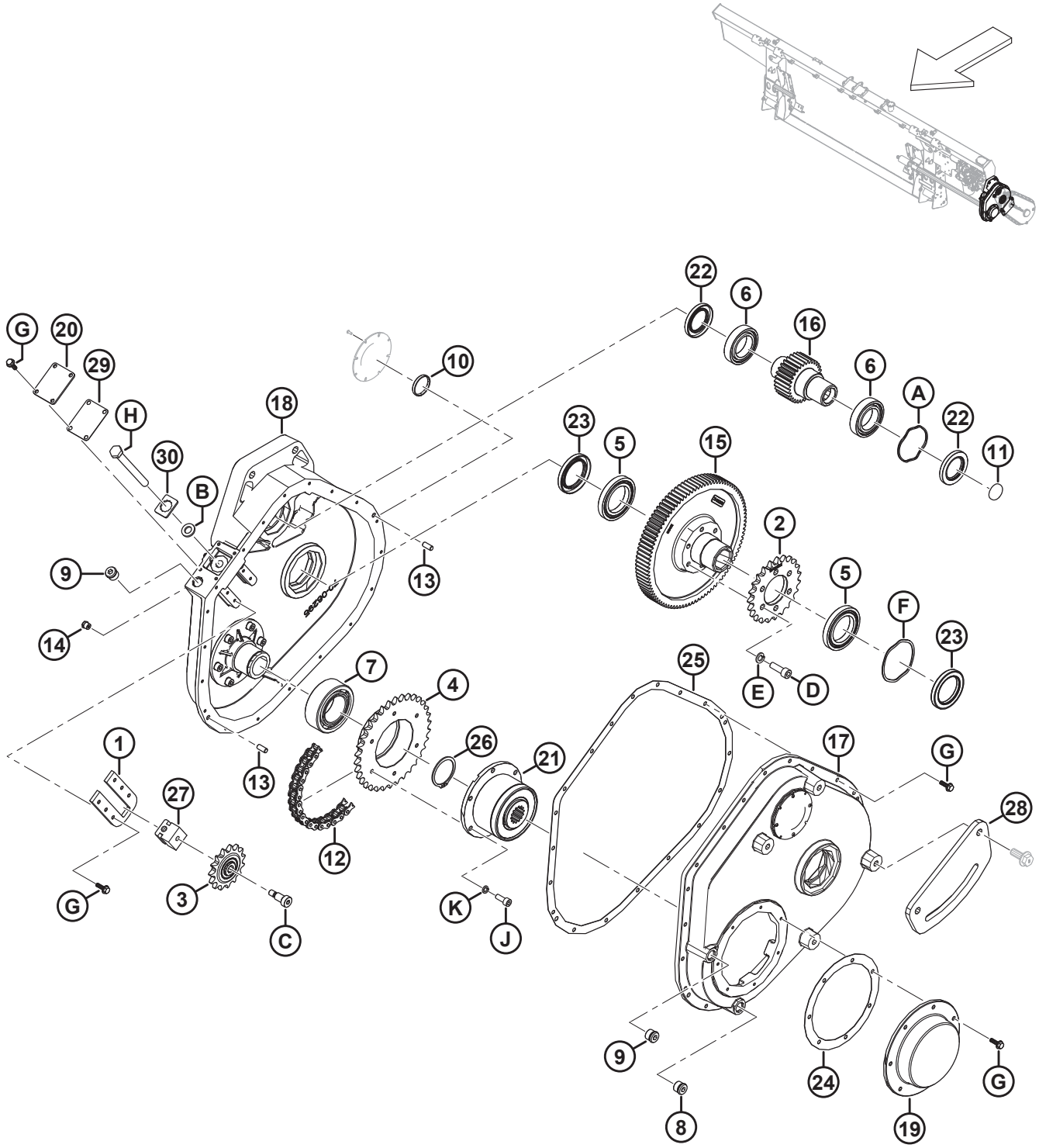
449. Refer to Section *143 Pump Assembly, page 329*.
450. 18 mm diameter.
451. 15 mm diameter.
452. The kit includes one compensator (NSS), four M5 bolts (NSS), and one dust cap (MD #357937).
453. The kit includes one compensator (NSS), four M5 bolts (NSS), and two dust caps (MD #357937).
454. Connects to port MV.
455. Connects to port CV6.
456. Connects to ports CV1 and CV2.
457. Connects to port DH.


14
28
22
1
2
12
24
13
9
27
25
25
15
F
4
B
A
F
5
23
5
E
8
6
3
18
16
17
17
6
7
21
D
11
10
9
26
C
20
19
A
F
1039434

Ref	Part Number	Description	Qty	Serial Number
25	322158	VALVE – PO LOGIC -10 (LE1, LE2) [458]	2	
	322148	SEAL KIT		
26	322157	VALVE – PO LOGIC ELEMENT-16 (LE3) [459]	1	
	322149	SEAL KIT		
27	337773	VALVE – RELIEF (RV2) [460]	1	
	337823	SEAL KIT		
28	337770	VALVE – RELIEF (RV1) [461]	1	
	337823	SEAL KIT		
	328262	KIT – MANUAL OVERRIDE [449]	1	
A	337433	WASHER – M10 SPECIAL		
B	337427	BOLT – SOC HD M10 X 70GR12.9		
C	337431	BOLT – SOC HD M10 X 80GR12.9		
D	337432	BOLT – SOC HD M10 X 60GR12.9		
E	337429	BOLT – SOC HD M10 X 100 GR12.9		
F	337430	BOLT – SOC HD M10 X 40GR12.9		

458. Connects to ports LE1 and LE2.
459. Connects to port LE3.
460. Connects to port RV2.
461. Connects to port RV1.

145 Gearbox Assembly



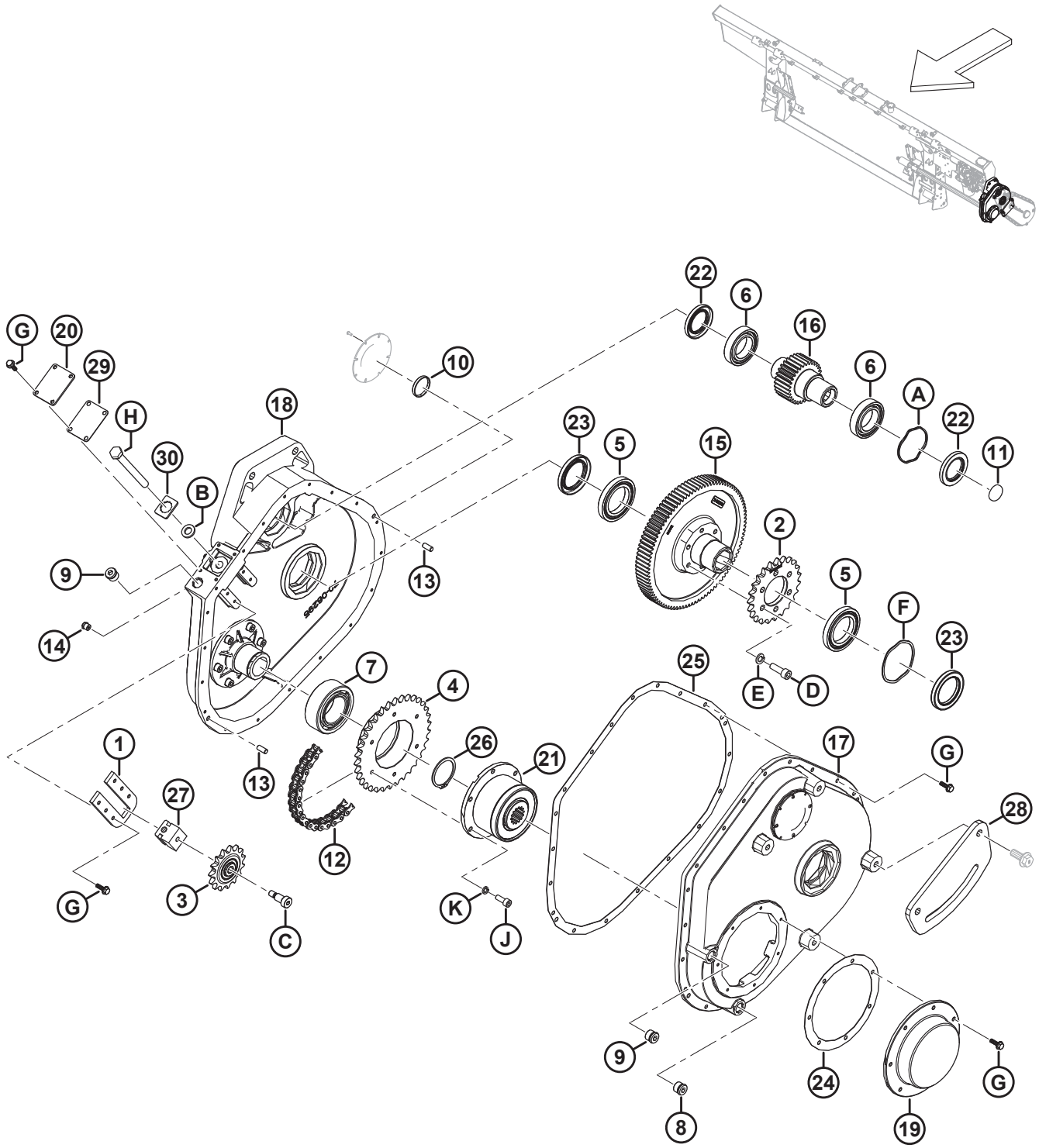
GEARBOX ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
	308725	DRIVE – FLOAT MODULE MAIN		
	347405	KIT – GEARBOX UPDATE [462]	A/R	
1	328181	PLATE – TENSIONER	1	
2	322409	SPROCKET – 50A23	1	
3	328188	SPROCKET – 50B15 C/W BEARING	1	
4	328187	SPROCKET – 50B34	1	
5	322193	BEARING – BALL	2	
6	322192	BEARING – BALL	2	
7	322197	BEARING – DOUBLE ROW BALL	1	
8	328154	PLUG – M18 ORB MAGNETIC	1	
9	328152	PLUG – M18 ORB	1	
10	328186	PLUG	1	
11	328185	PLUG	1	
12	301971	CHAIN – ROLLER, RC-50-56P ENDLESS	1	
13	NSS	PIN – DOWEL	2	
14	328176	BREATHER – 1/8-27 NPT	1	
15	328175	GEAR – 94 TEETH	1	
16	328174	GEAR – 30 TEETH	1	
17	NSS	HOUSING – GEARBOX	1	
18	NSS	HOUSING – GEARBOX	1	
19	328164	COVER – CLUTCH	1	
20	328165	COVER – TENSIONER	1	
21	314082	CLUTCH – WEASLER	1	
22	347416	SEAL – VITON 38 X 62 X 7	2	
23	347417	SEAL – VITON 48 X 72 X 8	2	
24	328161	GASKET – CLUTCH COVER	1	
25	347410	GASKET – FM200 MAIN GEARBOX	1	
26	322195	RING – RETAINING	1	
27	328157	BLOCK – IDLER	1	
28	347349	BRACKET – MAIN CMPLTN JOINT	1	
29	328162	GASKET – TENSIONER	1	
30	**368863**	**PLATE – GEARBOX BOLT**	**1**	
A	328160	WASHER – WAVE SPRING		
B	184587	WASHER – FLAT 1/2 X 1.25 AA1J		
C	328184	BOLT – SHOULDER 3/8-16 X 3/4 LG		
D	347978	SCREW – CAP M10 X 1.5 X 30		
	135401	SCREW – HEX SOC HD TFL M10 X 1.5 X 30-8.8-AA1J [463]		

462. The gearbox update kit is used to update model year 2020 gearboxes. The kit includes spacers (MD #347408, MD #347409), gasket (MD #347410), two seals (MD #347416), two seals (MD #347417), wave spring washers (MD #328159, MD #328160), gears (MD #328174, MD #328175), ball bearings (MD #322192, MD #322193), sprocket (MD #322409), screws (MD #135401), washers (MD #30632), and instructions.

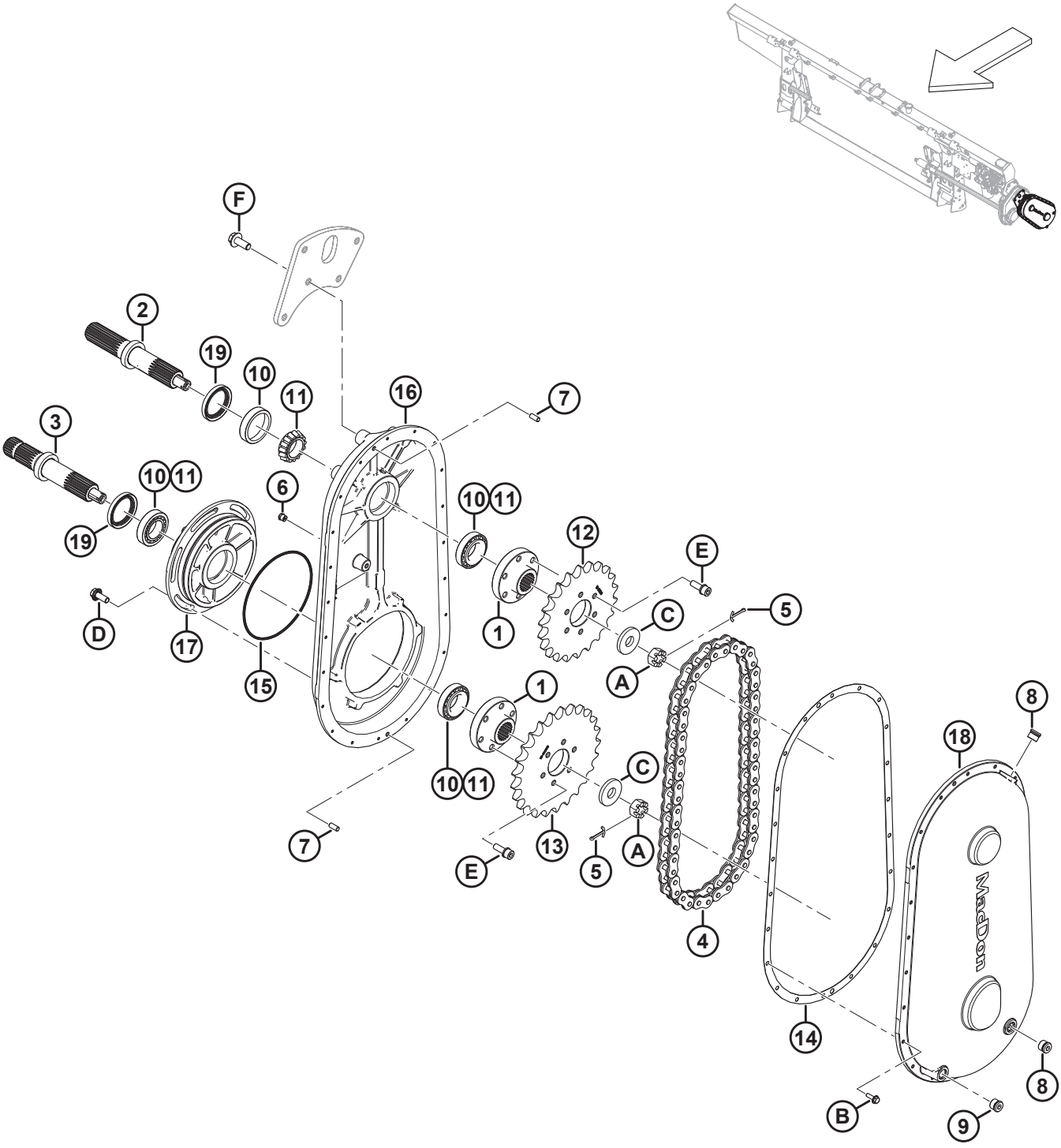
463. For machines serviced with gearbox update kit (MD #347405).

GEARBOX ASSEMBLY



Ref	Part Number	Description	Qty	Serial Number
E	347975	WASHER – LOCK M10 CAP SCREW		
	30632	WASHER – LOCK SPRING M10 [463]		
F	328159	WASHER – WAVE SPRING		
G	328156	BOLT – SERRATED FLANGE		
H	328158	BOLT – TENSIONER		
J	347977	SCREW – CAP M8 X 1 X 20		
K	347976	WASHER – LOCK M8 CAP SCREW		

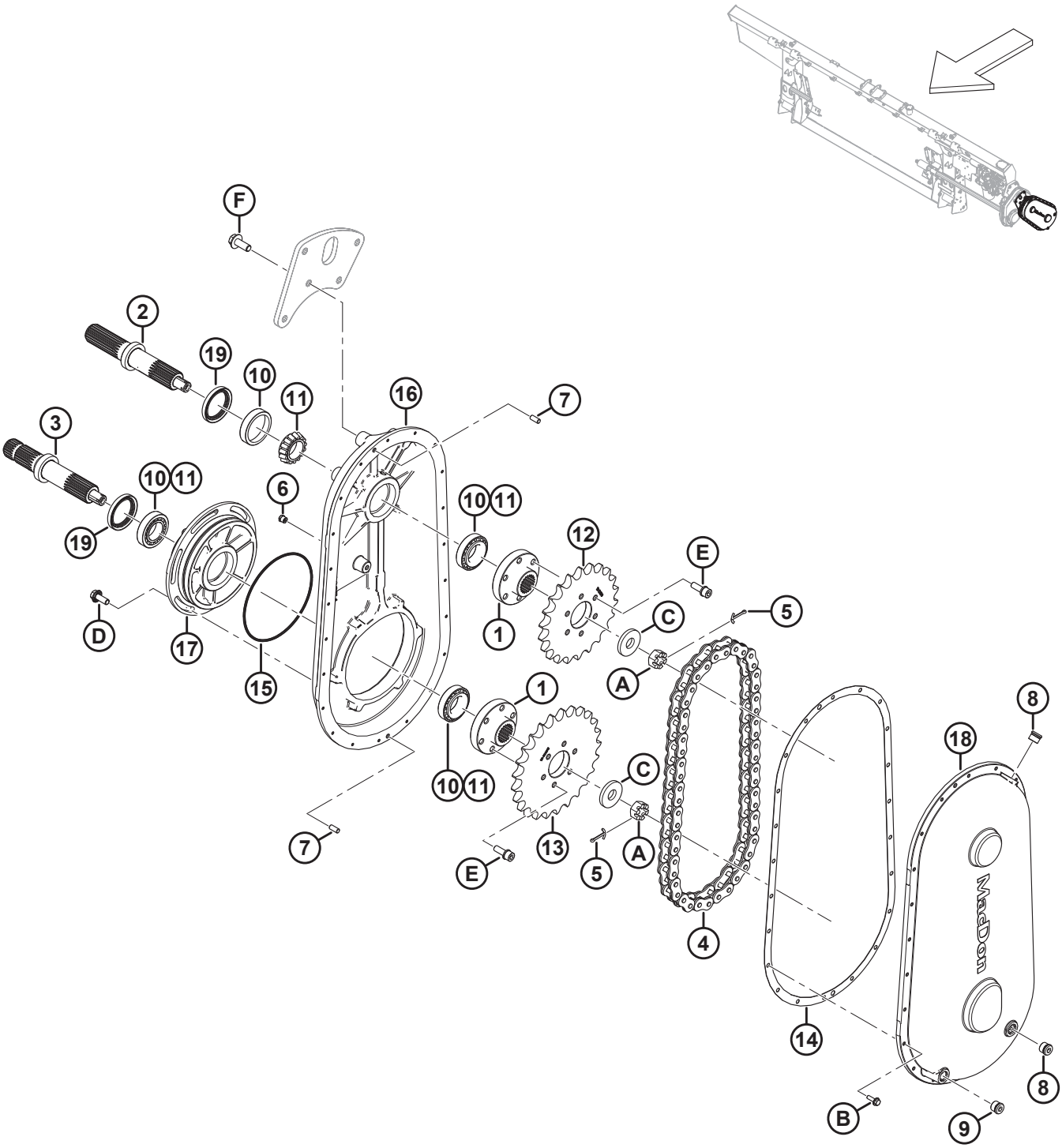
146 Input Drive Assembly



Ref	Part Number	Description	Qty	Serial Number
	B7041	KIT – CNH INPUT DRIVE SPROCKETS [464]		
	B7042	KIT – JD INPUT DRIVE SPROCKETS [465]		
	B7308	KIT – CLAAS INPUT DRIVE SPROCKETS [466]		
	B7111	KIT – AGCO IDEAL DRIVE INPUT SPRCKT [467]		
	308726	DRIVE – INPUT (CNH) [468]		
	337713	DRIVE – INPUT (JD) [469]		
	347001	DRIVE – INPUT (CLAAS) [470]		
	308863	DRIVE – INPUT (AGCO) [471]		
1	328203	HUB – SPLINED	2	
2	328202	SHAFT – OUTPUT	1	
3	328201	SHAFT – INPUT	1	
4	328120	CHAIN – RC80 50 PT ENDLESS	1	
5	18607	PIN – COTTER 5/32 DIA X 1.5 ZP	2	
6	328176	BREATHER – 1/8-27 NPT	1	
7	NSS	PIN – DOWEL	2	
8	328152	PLUG – M18 ORB	2	
9	328154	PLUG – M18 ORB MAGNETIC	1	
10	30701	BEARING – CUP	4	
11	30702	BEARING – CONE	4	
12	308852	SPROCKET – 80A22 (CNH) [468]	1	
	337667	SPROCKET – 80A21 (JD) [469]	1	
	308848	SPROCKET – 80A25 (CLAAS) [470]	1	
	308856	SPROCKET – 80A23 (AGCO) [471]	1	
13	308848	SPROCKET – 80A25 (CNH) [468]	1	
	308853	SPROCKET – 80A27 (JD) [469]	1	
	337667	SPROCKET – 80A21 (CLAAS) [470]	1	
	308855	SPROCKET – 80A24 (AGCO) [471]	1	
14	328200	GASKET – DRIVE	1	
15	328199	O-RING – #260	1	
16	328198	HOUSING – GEARBOX	1	
17	328197	HOUSING – ECCENTRIC	1	

464. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308848, MD #308852), and instructions. Kits are available through Whole Goods only.
465. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308853, MD #337667), and instructions. Kits are available through Whole Goods only.
466. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308848, MD #337667), and instructions. Kits are available through Whole Goods only.
467. The kit includes gasket (MD #328200), chain (MD #328120), sprockets (MD #308855, MD #308856), and instructions. Kits are available through Whole Goods only.
468. Used with Case and New Holland combines.
469. Used with John Deere combines.
470. Used with CLAAS combines.
471. Used with Challenger®, Gleaner®, IDEAL™, and Massey Ferguson® combines.

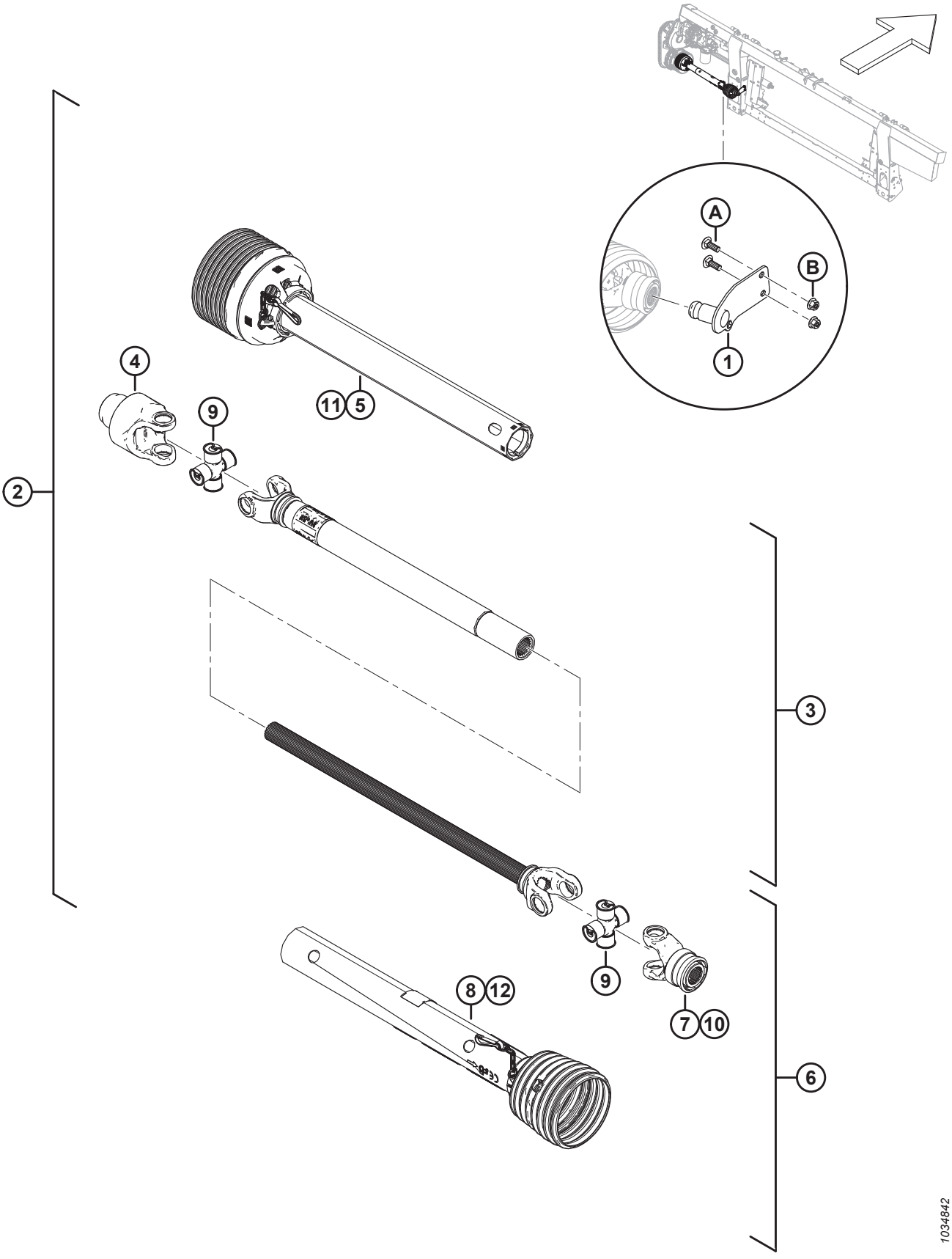
INPUT DRIVE ASSEMBLY



INPUT DRIVE ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
18	**328196**	**COVER – GEARBOX**	**1**	
19	187477	SEAL	2	
A	5512	NUT – HEX SLOTTED .750-16 UNF ZN PL		
B	328156	BOLT – SERRATED FLANGE		
C	6647	WASHER – FLAT		
D	135783	BOLT – HEX FLG HD TFL M10 X 1.5 X 25-10.9-AA1J		
E	328183	BOLT – M10 X 1.25 X 30 SEMS		
F	320180	BOLT – HEX FLG HD M12 X 1.75 X 30-SPCL-8.8-AA1J		

147 Input Driveline and Support

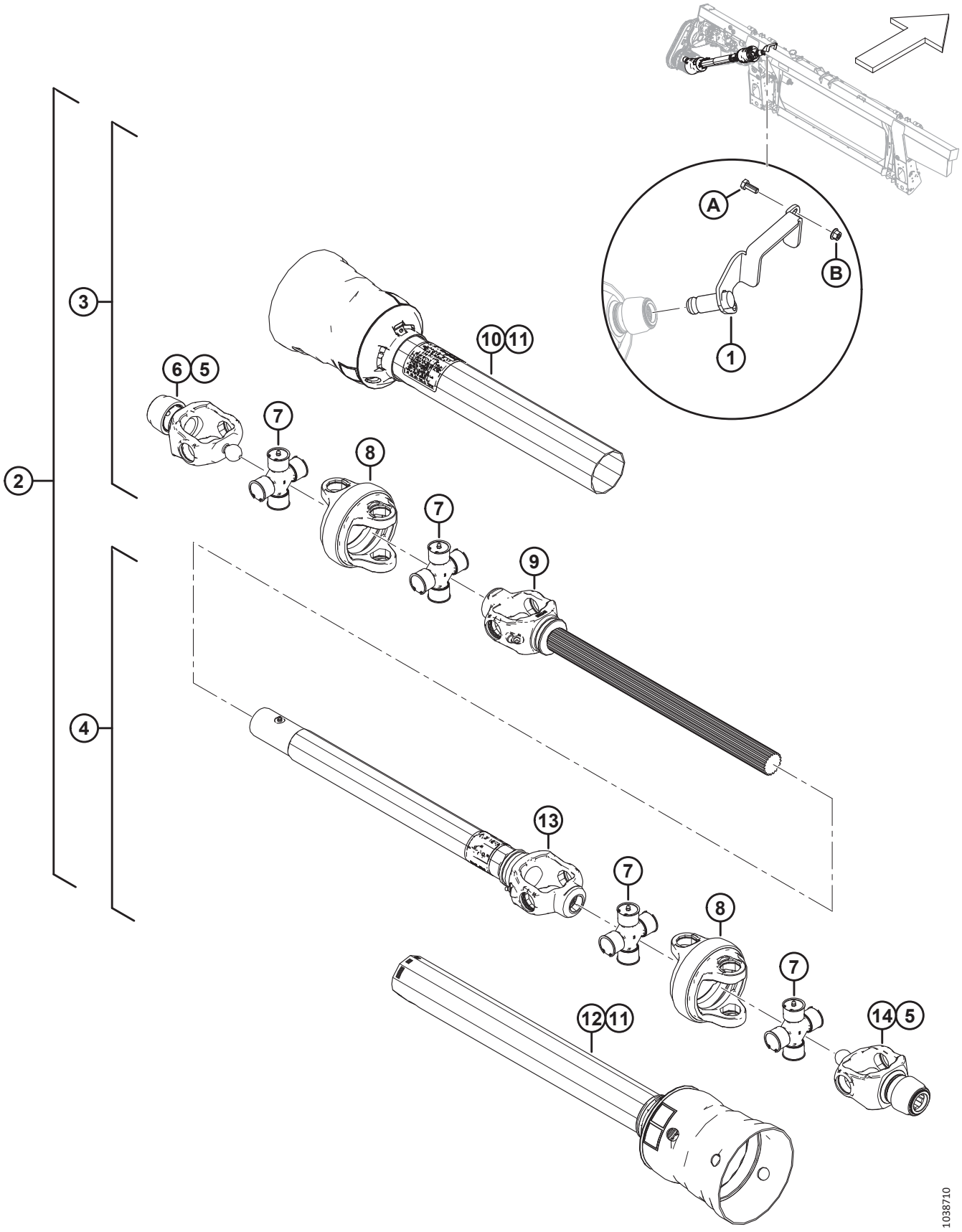


INPUT DRIVELINE AND SUPPORT

Ref	Part Number	Description	Qty	Serial Number
	B7038	KIT – 6 TOOTH SPLINE CE DRIVELINE [472]	1	
	B7039	KIT – 21 TOOTH SPLINE CE DRIVELINE [473]	1	
	B7108	KIT – 20T DRIVESHAFT BUNDLE [474]	1	
1	322486	SUPPORT WELDT – 6T PTO STORAGE [475]	1	
	322456	SUPPORT WELDT – 21T PTO STORAGE [476]	1	
	328924	SUPPORT WELDT – 20T STORAGE [477]	1	
2	314173	DRIVELINE – 6T SPLINE [478]	1	
	314174	DRIVELINE – 1.375 IN 21T SPLINE CE [479]	1	
	322114	DRIVELINE – 1 3/4 20T-SPLINE [480]	1	
3	322915	DRIVELINE – IMPLEMENT HALF	1	
4	133631	YOKE – FREE MOTION	1	
5	322916	DRIVELINE – IMPLEMENT GUARD	1	
6	322926	DRIVELINE – 6T COMBINE HALF [475]	1	
	322924	DRIVELINE – 21T COMBINE HALF [476]	1	
	322930	DRIVELINE – 20T COMBINE HALF [477]	1	
7	133634	YOKE – 6T [475]	1	
	322925	YOKE – 21T [476]	1	
	322931	YOKE – 20T [477]	1	
8	322917	DRIVELINE – COMBINE END GUARD	1	
9	142777	CROSS JOURNAL KIT	2	
10	40095	KIT – REPAIR	1	
	150891	KIT – SLIDE LOCK YOKE REPAIR [477]	1	
11	322918	INNER GUARD REPAIR KIT [481]	1	
12	220766	SHIELD REPAIR KIT CE [481]	1	
	36651	DECAL – DANGER		
	194521	DECAL – WARNING		
	30316	DECAL – DANGER		
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

472. 6-tooth splined driveline kit for Case and New Holland combines. Kits are available through Whole Goods only.
473. 21-tooth splined driveline kit for Case, New Holland, John Deere, CLAAS, Challenger®, Massey Ferguson®, and Gleaner® combines. Kits are available through Whole Goods only.
474. 20-tooth splined driveline kit for IDEAL™ Series combines. Kits are available through Whole Goods only.
475. For 6-tooth spline driveline.
476. For 21-tooth spline driveline.
477. For 20-tooth spline driveline.
478. 6-tooth splined driveline kit for Case and New Holland combines.
479. 21-tooth splined driveline kit for Case, New Holland, John Deere, CLAAS, Challenger®, Massey Ferguson®, and Gleaner® combines.
480. 20-tooth splined driveline kit for IDEAL™ Series combines
481. The kit includes chain kit, bearing, lock seal, and instructions.

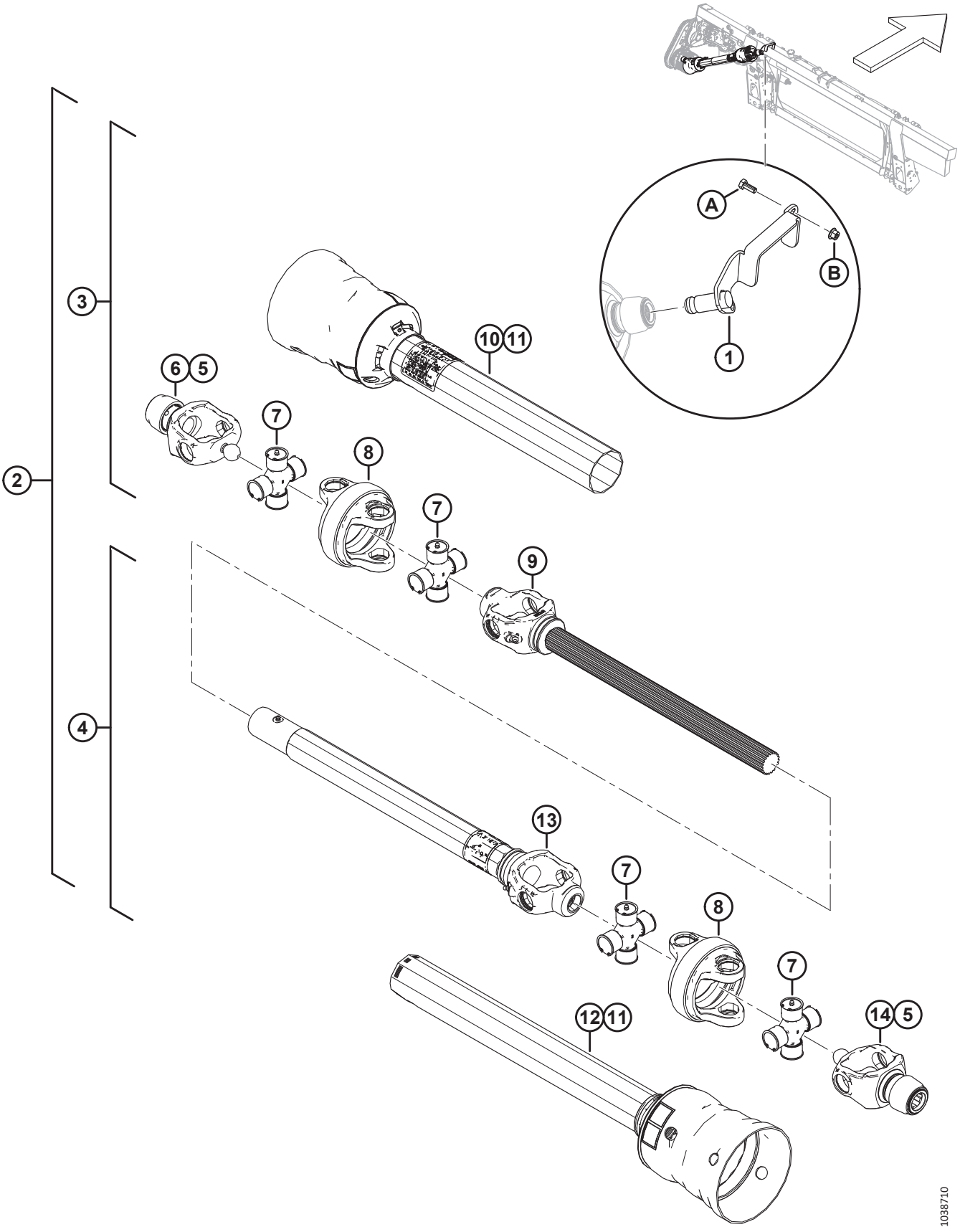
148 Input Driveline and Support – High Angle



INPUT DRIVELINE AND SUPPORT – HIGH ANGLE

Ref	Part Number	Description	Qty	Serial Number
	B7180	KIT – 6T LONG HI-ANGLE DRIVESHAFT [482]		
	B7181	KIT – 21T LONG HI-ANGLE DRIVESHAFT [483]		
	B7182	KIT – 21T SHORT HI-ANGLE DRIVESHAFT [484]		
	B7326	KIT – 21T MID HI-ANGLE DRIVESHAFT [485]		
1	357064	SUPPORT WELDT – 6T PTO STORAGE [486]	1	
	357012	SUPPORT WELDT – 21T PTO STORAGE [487]	1	
2	322996	DRIVELINE – 6T HIGH ANGLE	1	
	322997	DRIVELINE – 21T HIGH ANGLE LONG	1	
	322998	DRIVELINE – 21T HIGH ANGLE SHORT	1	
3	337709	DRIVELINE – 6T SHAFT HALF, GUARDED [486]	1	
	337707	DRIVELINE – 21T SHAFT HALF, GUARDED [488]	1	
	337725	DRIVELINE – 21T SHAFT HALF, GUARDED [489]	1	
4	337723	DRIVELINE – 21T TUBE HALF, GUARDED [490]	1	
	337727	DRIVE – 21T TUBE HALF, GUARDED [491]	1	
5	133632	KIT – AUTO LOK REPAIR	2	
6	337711	YOKE – 21T CV	1	
7	337712	CROSS KIT	4	
8	337715	HOUSING CV	2	
9	337716	DRIVELINE – CV YOKE AND SHAFT [492]	1	
	337729	DRIVELINE – CV YOKE AND SHAFT [489]	1	
10	337717	DRIVELINE – OUTER GUARD [492]	1	
	337730	DRIVELINE – OUTER GUARD [489]	1	
11	337718	DRIVELINE – GUARD REPAIR KIT	2	
12	337720	DRIVELINE – INNER GUARD [490]	1	
	337731	DRIVELINE – INNER GUARD [491]	1	
13	337721	DRIVELINE – YOKE TUBE AND SLEEVE [490]	1	
	337732	DRIVELINE – YOKE TUBE AND SLEEVE [491]	1	
14	337722	6T YOKE CV [486]	1	
	337711	21T YOKE CV [487]	1	

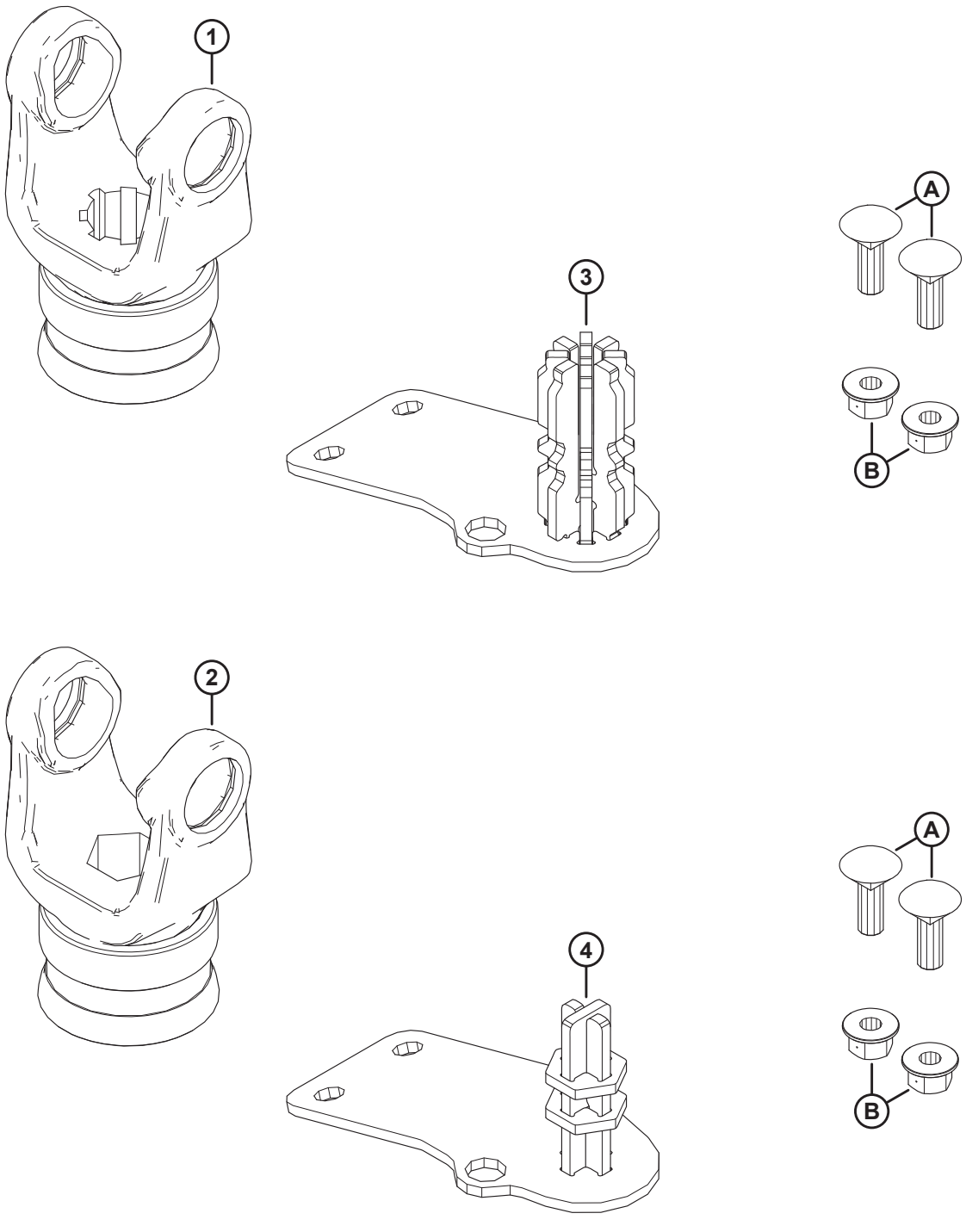
482. Long 6-tooth splined driveline kit for Case and New Holland wide and narrow combines, Sidehill (18%) and Hillside (27%) configurations. Kits are available through Whole Goods only.
483. Long 21-tooth splined driveline kit for Case and New Holland wide and narrow combines, Sidehill (18%) and Hillside (27%) configurations; and for John Deere combines, Hillside (27%) configuration. Kits are available through Whole Goods only.
484. Short 21-tooth splined driveline kit for John Deere and CLAAS combines, Sidehill (18%) configuration. Kits are available through Whole Goods only.
485. Mid 21-tooth splined driveline kit for Case and New Holland wide and narrow combines with Everest package, and Case and New Holland Hillco Hillside Beaterless (27%) package, and John Deere Hillside (27%) package. Kits are available through Whole Goods only.
486. For long 6-tooth spline drivelines.
487. For 21-tooth spline drivelines.
488. For mid and long 21-tooth spline drivelines.
489. For short 21-tooth spline drivelines.
490. For long 6-tooth and long 21-tooth spline drivelines.
491. For short and mid 21-tooth spline drivelines.
492. For long 6-tooth, and mid and long 21-tooth spline drivelines.


A
B
1
2
3
4
5
6
7
8
9
10
11
12
13
14
1038710

INPUT DRIVELINE AND SUPPORT – HIGH ANGLE

Ref	Part Number	Description	Qty	Serial Number
	30316	DECAL – DANGER		
	36651	DECAL – DANGER		
A	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

149 Input Driveline Conversion Kits



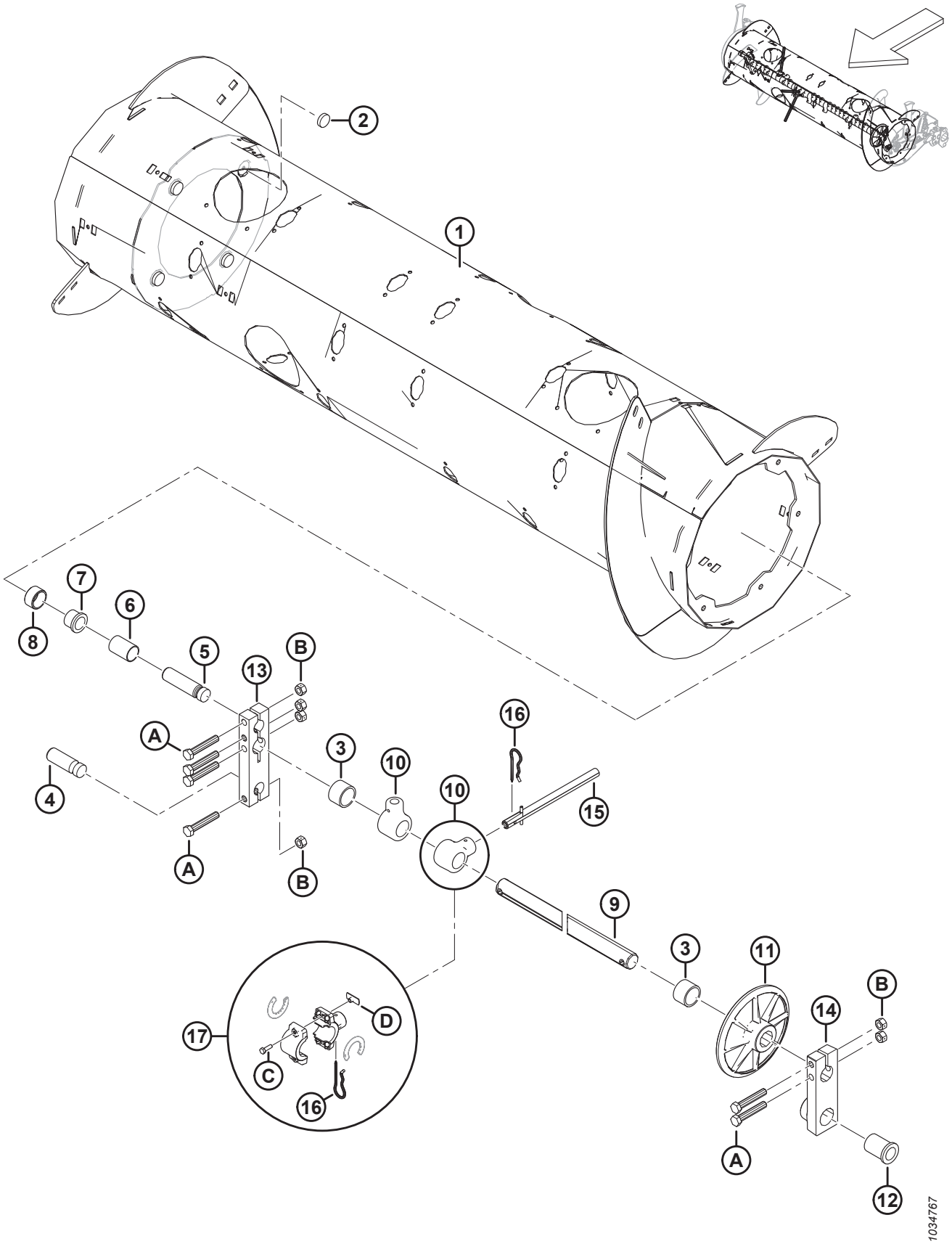
1039521

INPUT DRIVELINE CONVERSION KITS

Ref	Part Number	Description	Qty	Serial Number
	B7312	KIT – 8T DRIVESHAFT FM200 CONV [493]		
	B7317	KIT – HEX DRIVESHAFT FM200 CONV [493]		
1	314657	YOKE – 8T [494]	1	
2	133641	YOKE – HEX [495]	1	
3	337117	STORAGE WELDT – 8T [494]	1	
4	347722	STORAGE WELDT – HEX [495]	1	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

493. Kits are available through Whole Goods only.
494. Included in 8-tooth spline driveshaft conversion kit (B7312).
495. Included in hex driveshaft conversion kit (B7317).

150 Auger Drum and Internal Components

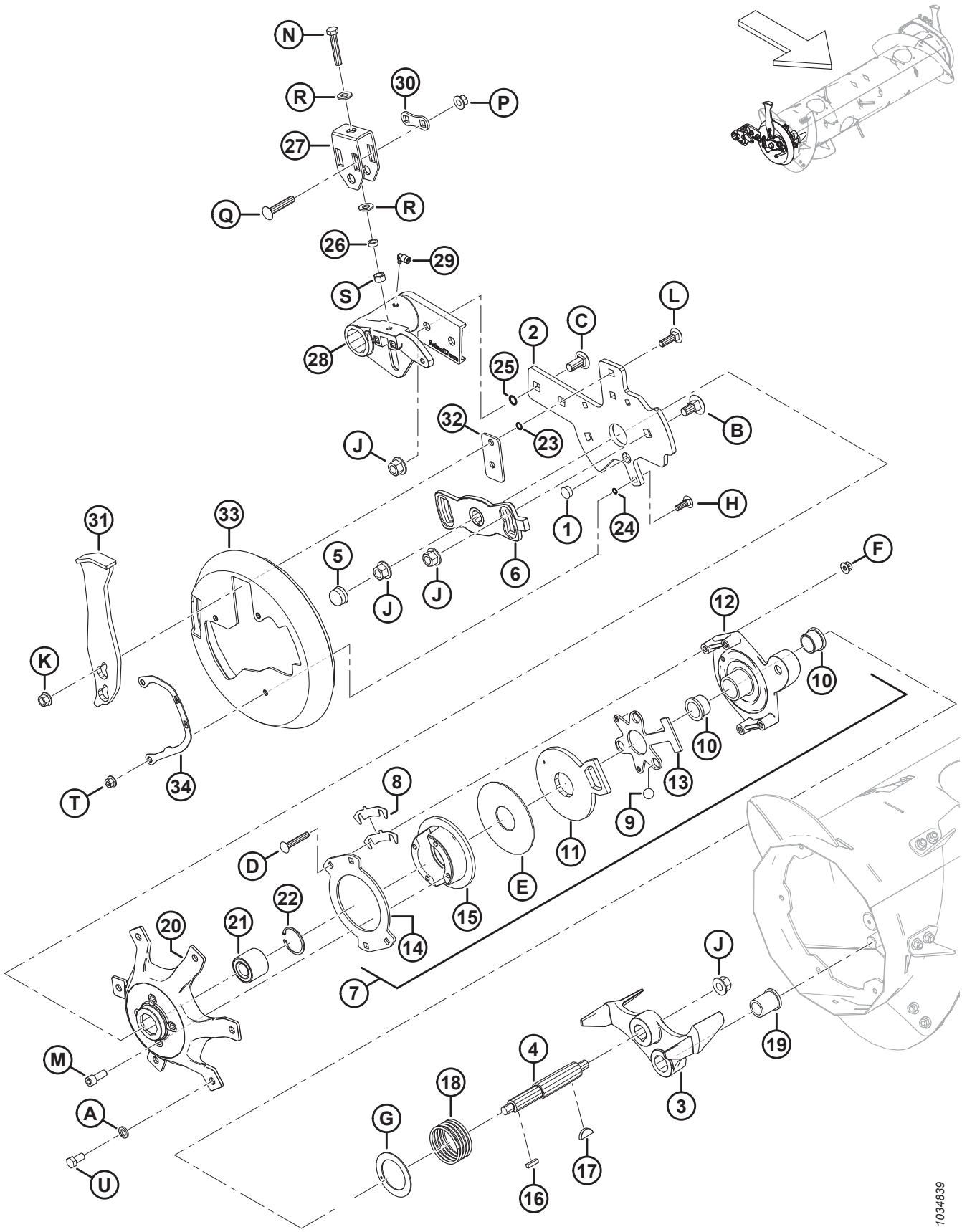


AUGER DRUM AND INTERNAL COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
	322372	ASSEMBLY – FEED AUGER [496]		
1	322397	DRUM – WELDMENT	1	
2	328420	MAGNET – ROUND	4	
3	322770	SPACER TUBE – PLASTIC	2	
4	314062	PIN – PIVOT	1	
5	213660	PIN – PIVOT	1	
6	213657	SPACER	1	
7	133877	BUSHING – PLASTIC FLANGED 1.0 IN.	1	
8	213656	ROLLER	1	
9	308536	SHAFT – FINGER	1	
10	337206	HOLDER – AUGER FINGER	30	
11	248117	WHEEL, GUIDE – FINGERSHAFT	1	
12	248145	BUSHING – FLANGE	1	
13	213608	BLOCK – AUGER SHAFT	1	
14	248538	CASTING – PIVOT BLK, LH, MACH	1	
15	337152	KIT – FINGER [497]	22	
	7642	PIN – SPRING 3/16 DIA X 1.5 LG	A/R	
16	123180	PIN – HAIR	22	
17	276839	KIT – FINGER HOLDER SPLIT 5X (BAG OF 5) [498]	A/R	
A	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-AA1J		
B	136759	NUT – HEX CTR LOC M12 X 1.75-8-AA1J		
C	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
D	197263	NUT – TEE M6 X 1		

496. The complete feed auger assembly includes all listed parts in Section *150 Auger Drum and Internal Components, page 351*, Section *151 Auger Assembly – Right Arm, page 353*, and Section *152 Auger Assembly – Left Arm, page 357*.
497. The finger kit includes solid finger (not sold separately), spring pin (MD #7642), guide (MD #337143), and instructions.
498. The split finger holder kit is used to simplify field replacement of broken one-piece solid finger holders (MD #337206). The kit includes set of five split auger finger holders (NSS), holder spacers (NSS), hair pins (MD #123180), tee nuts (MD #197263), and bolts (MD #252703).

151 Auger Assembly – Right Arm

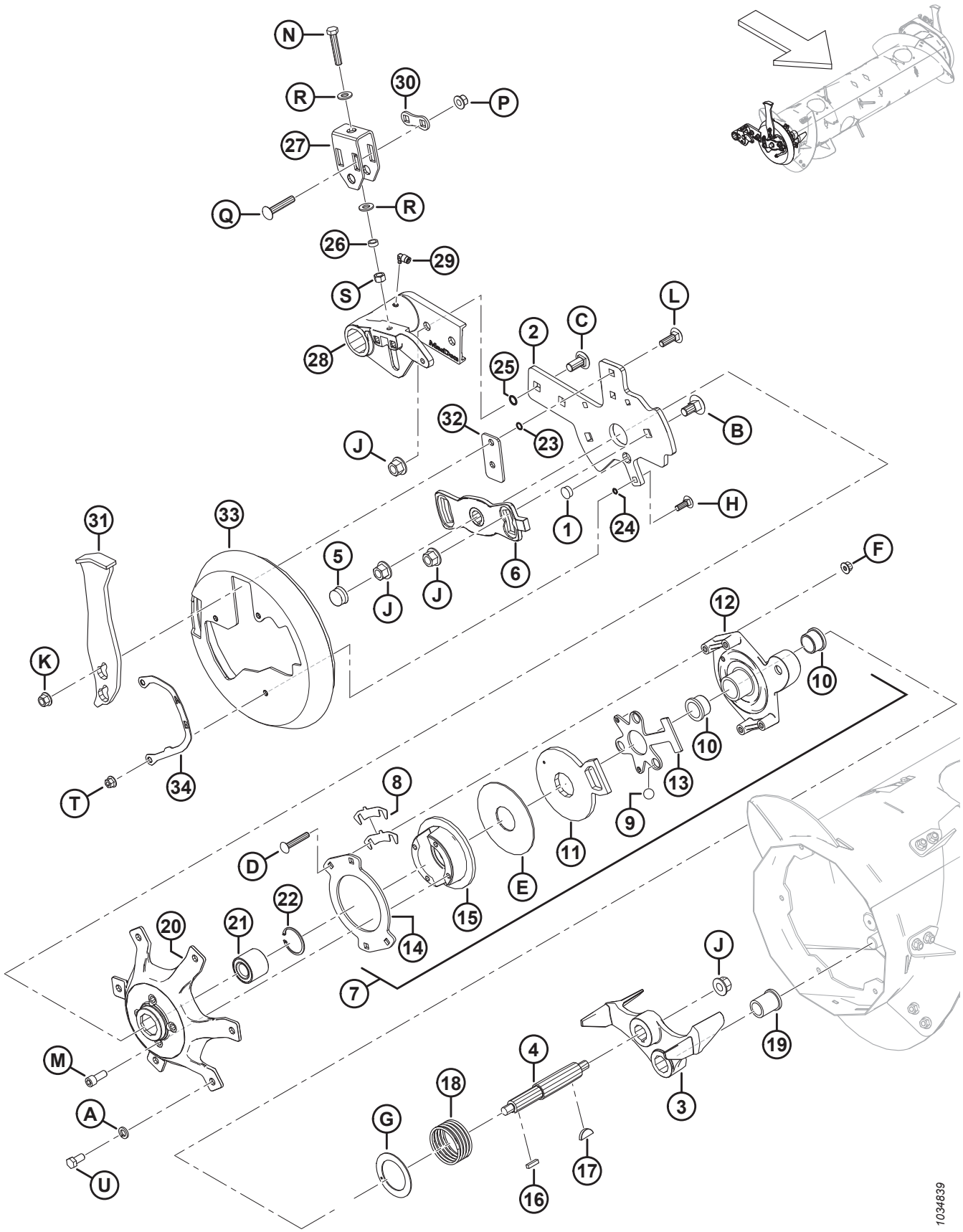


AUGER ASSEMBLY – RIGHT ARM

Ref	Part Number	Description	Qty	Serial Number
1	308859	PLUG – HOLE	1	
2	308850	BAR – RH AUGER SUPPORT	1	
3	304520	CASTING – STOP, MACHINING	1	
4	304514	SHAFT – AUGER	1	
5	276140	CAP – PLASTIC	1	
6	213851	CASTING – TIMING PLATE, MACH	1	
7	213802	ASSEMBLY – REVERSING CLUTCH [499]	1	
8	276206	SHIM CLUTCH	4	
9	248285	BALL	3	
10	213859	BUSHING – PLASTIC 1.25 X 1.5 X 1.0	2	
11	213801	ARM, CLUTCH ACTIVATOR – MACH	1	
12	213649	CAST, CLUTCH HOUSING – MACH	1	
13	337124	PLATE – BALL CAGE	1	
14	213554	DISC – CLUTCH	1	
15	213552	DISC, BRAKE – MACHINING	1	
16	213750	KEY, RECT – 6.35 MM SQ 25.5 MM LG	1	
17	213654	KEY – WOODRUFF 1/4 X 1-1/4	1	
18	213679	SPRING – COMPRESSION	1	
19	213659	BUSHING – FLANGE	1	
20	213546	HUB MACHINING RH	1	
21	337284	BEARING – DOUBLE ROW BALL, 52MM OD	1	
22	21235	RING – INT RETAINING	1	
23	183508	O-RING – 1.78 X 10.82	2	
24	183506	O-RING – 1.78 X 7.65	3	
25	50083	O-RING – Ø2.62 X Ø13.94	2	
26	314169	SPACER	1	
27	314136	BRACKET – ADJUSTER	1	
28	**308538**	**PIVOT – RH AUGER, MACHINING**	**1**	
29	301427	FITTING – QUICK DC, 90 DEG	1	
30	187428	SPACER	1	
31	308648	BUMPER – WELDMENT	1	
32	308056	PLATE – SPACER	1	
33	301994	COVER – AUGER END CAP RH	1	
34	276180	PLATE – INDICATOR RH	1	
A	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID AA1J		
B	252691	BOLT – RHSN M16 X 2 X 35-10.9-AA1J		
C	252638	BOLT – RHSSN M16 X 2 X 35-8.8-AA1J		
D	252701	BOLT – RHSSN TFL M10 X 1.5 X 60-8.8-AA1J		
E	213731	WASHER – PLASTIC		
F	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
G	213733	WASHER – THRUST		
H	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		

499. The reversing clutch assembly includes parts #8–15 and hardware (MD #252701, MD #213731, and MD #135799).

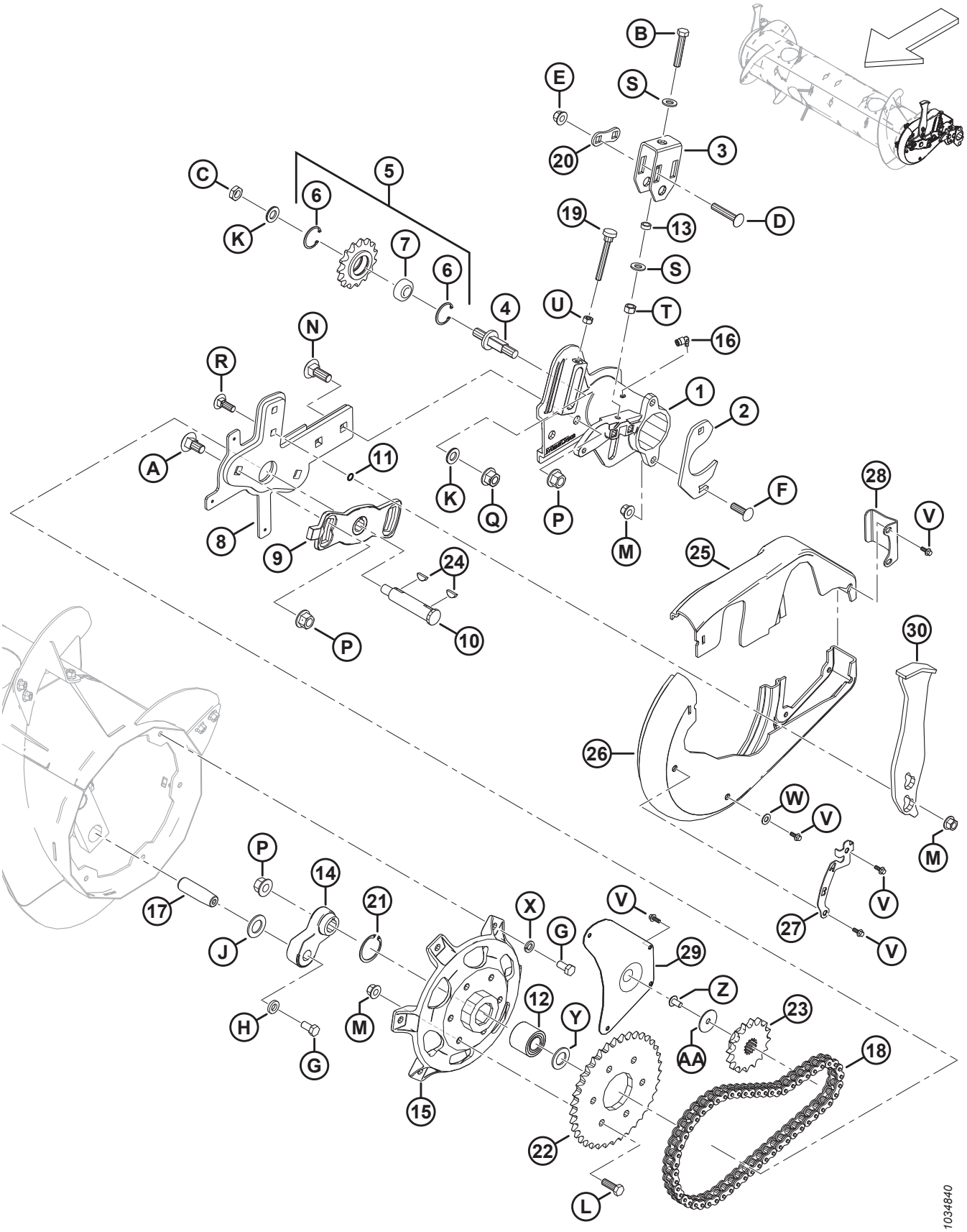
AUGER ASSEMBLY – RIGHT ARM



AUGER ASSEMBLY – RIGHT ARM

Ref	Part Number	Description	Qty	Serial Number
J	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
K	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
L	135900	BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC		
M	50154	SCREW – HEX SOC HD TFL M12 X 1.75 X 30-8.8-AA1J		
N	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
P	252188	NUT – HEX FLG CTR LK M12 X 1.5-10-AA1J		
Q	252187	BOLT – RHSSN M12 X 1.5 X 65-10.9-AA1J		
R	135369	WASHER – HARDENED ASTM F436 1/2		
S	135156	NUT – HEX M12 X 1.75-10-AA1J		
T	136441	NUT – HEX SER FLG M10 X 1.5-8-AA1J		
U	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		

152 Auger Assembly – Left Arm

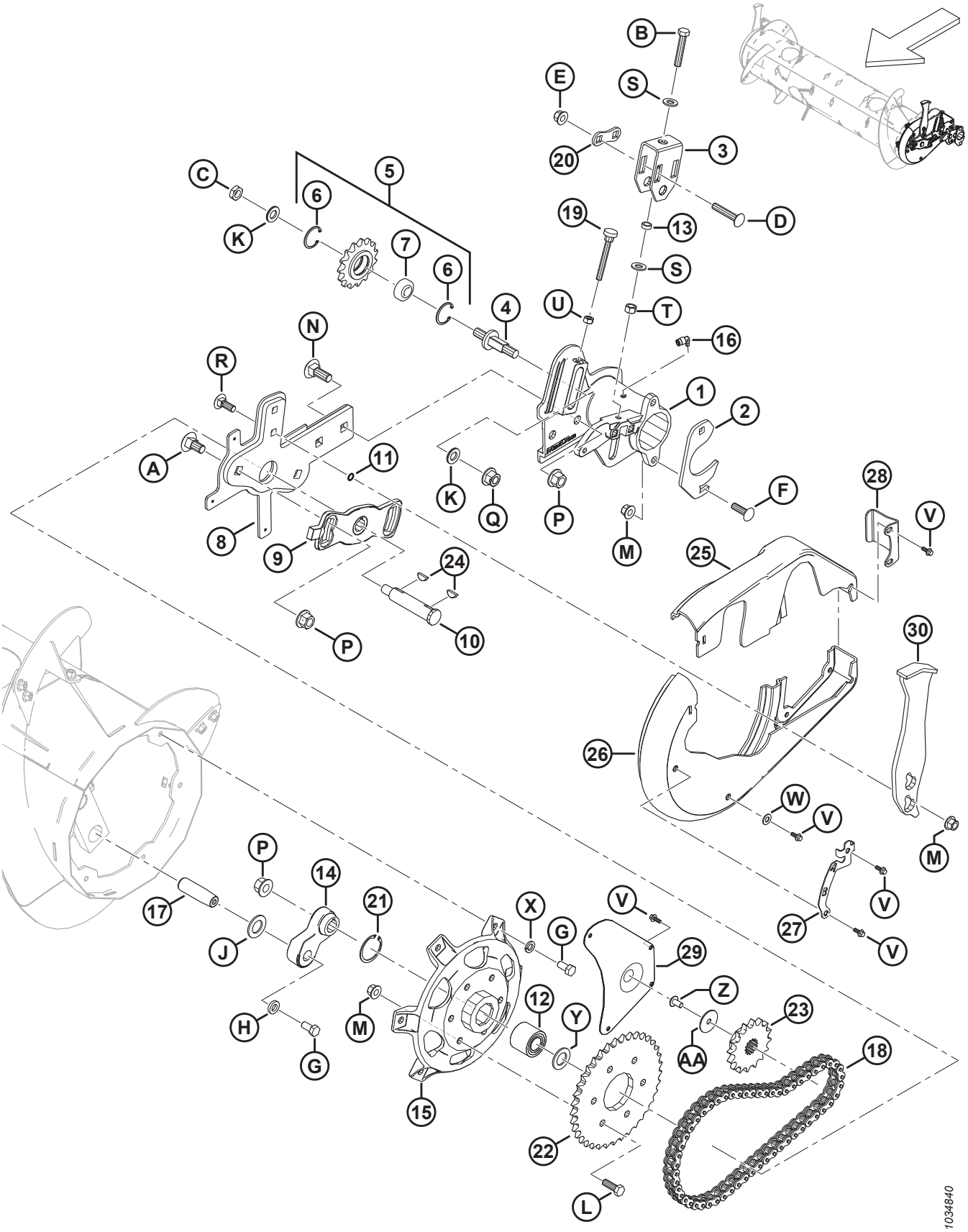


AUGER ASSEMBLY – LEFT ARM

Ref	Part Number	Description	Qty	Serial Number
1	322377	PIVOT – LH AUGER, MACHINING	1	
2	248388	CLAMP – PLATE	1	
3	314136	BRACKET – ADJUSTER	1	
4	213420	SPINDLE – THREADED ADJUSTMENT	1	
5	9333	ASSEMBLY – SPROCKET [500]	1	
6	795	RING – RETAINING	2	
7	9213	BEARING – BALL	1	
8	304931	ARM – LH AUGER SUPPORT WELDT	1	
9	213851	CASTING – TIMING PLATE, MACH	1	
10	301441	SHAFT – AUGER	1	
11	183508	O-RING – 1.78 X 10.82	2	
12	337284	BEARING – BALL DBL ROW 52 MM O.D. [501]	1	
	337804	KIT – LH RTD HUB WITH BEARING [502]	A/R	
13	314169	SPACER	1	
14	304521	ARM – FINGER SHAFT CRANK MACH	1	
15	337276	HUB – MACHINING [501]	1	
	337804	KIT – LH RTD HUB WITH BEARING [502]	A/R	
16	301427	FITTING – QUICK DC, 90 DEG	1	
17	248144	PIN – PIVOT	1	
18	220317	CHAIN – RC-60H, 56 PITCHES RIVETED, ENDLESS	1	
19	213857	THUMBSCREW – M10 X 80	1	
20	187428	SPACER	1	
21	21235	RING – INT. RETAINING (2021 AND LATER) [501]	1	
	181649	RING – RETAINING INTERNAL (2020 AND PRIOR) [503]	A/R	
22	151793	SPROCKET – RC 60 A 37 T	1	
23	151691	SPROCKET – RC 60 B 16 T	1	
24	135290	KEY – WOODRUFF (1/4 X 7/8 NOM.)	2	
25	301993	COVER – LH AUGER, SMALL HALF	1	
26	301992	COVER – LH AUGER, LARGE HALF	1	
27	276183	PLATE – INDICATOR LH	1	
28	213112	PLATE – COVER RETAINER	1	
29	213110	PANEL – ACCESS	1	
30	308648	BUMPER – WELDMENT	1	
A	252691	BOLT – RHSN M16 X 2 X 35-10.9-AA1J		
B	252541	BOLT – HEX HD TFL M12 X 1.75 X 65-8.8-AA3L		
C	252288	NUT – HEX THIN FINE M16 X 1.5-04-AA1J		
D	252187	BOLT – RHSSN M12 X 1.5 X 65-10.9-AA1J		
E	252188	NUT – HEX FLG CTR LK M12 X 1.5-10-AA1J		
F	197122	BOLT – RHSSN M12 X 1.75 X 40-8.8-AA1J		

500. The sprocket assembly includes sprocket (NSS), ball bearing (MD #9213), and two retaining rings (MD #795).
501. For model year 2021 and later.
502. Kit is used to service machines made prior to model year 2021. The kit includes hub (MD #337276), bearing (MD #337284), retaining ring (MD #21235), flat washer (MD #123406), and instructions.
503. Retaining ring (MD #181649) is used to service machines made prior to model year 2021.

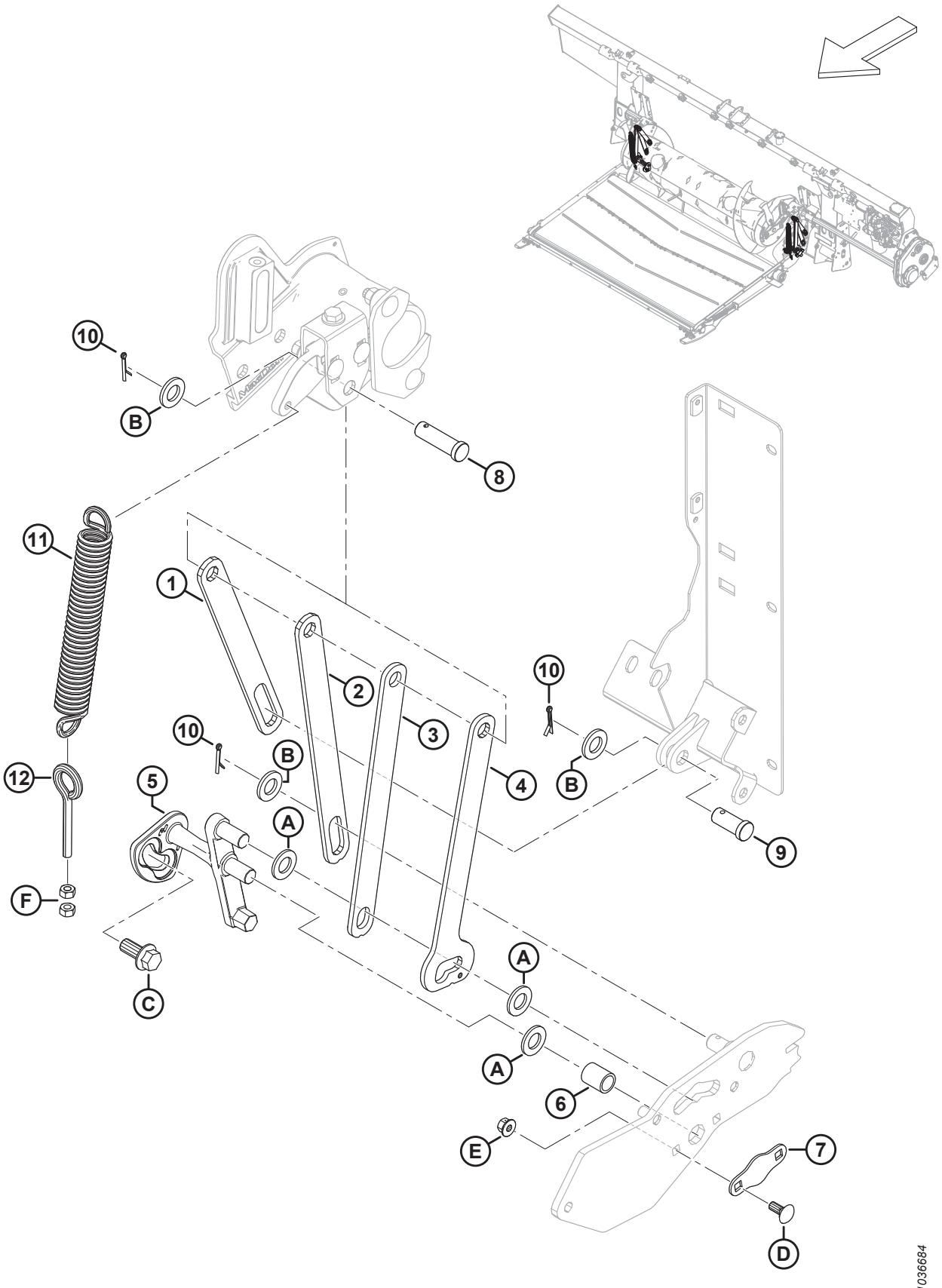
AUGER ASSEMBLY – LEFT ARM



AUGER ASSEMBLY – LEFT ARM

Ref	Part Number	Description	Qty	Serial Number
G	50155	BOLT – HEX HD TFL M12 X 1.75 X 25-8.8-AA1J		
H	187518	WASHER – FLAT		
J	156743	WASHER – FLAT		
K	172558	WASHER – NORDLOCK 5/8 IN.		
L	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
M	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
N	136757	BOLT – RHSN M16 X 2 X 45-8.8-AAJ1		
P	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
Q	136736	NUT – HEX FLG TOP LOCK M16 X 1.5-10-AA2L		
R	136291	BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC		
S	135369	WASHER – HARDENED ASTM F436 1/2		
T	135156	NUT – HEX M12 X 1.75-10-AA1J		
U	30505	NUT – HEX M10 X 1.5-10-AA1J		
V	252639	BOLT – HEX FLG HD M6 X 1 X 16 X SPCL-8.8-AA2L		
W	18598	WASHER – FLAT SAE 13/32 ID X 13/16 IN OD AA1J		
X	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID AA1J		
Y	123406	WASHER – FLAT [501]		
Z	135157	SCREW – MACHINE		
AA	31465	WASHER – FLAT		

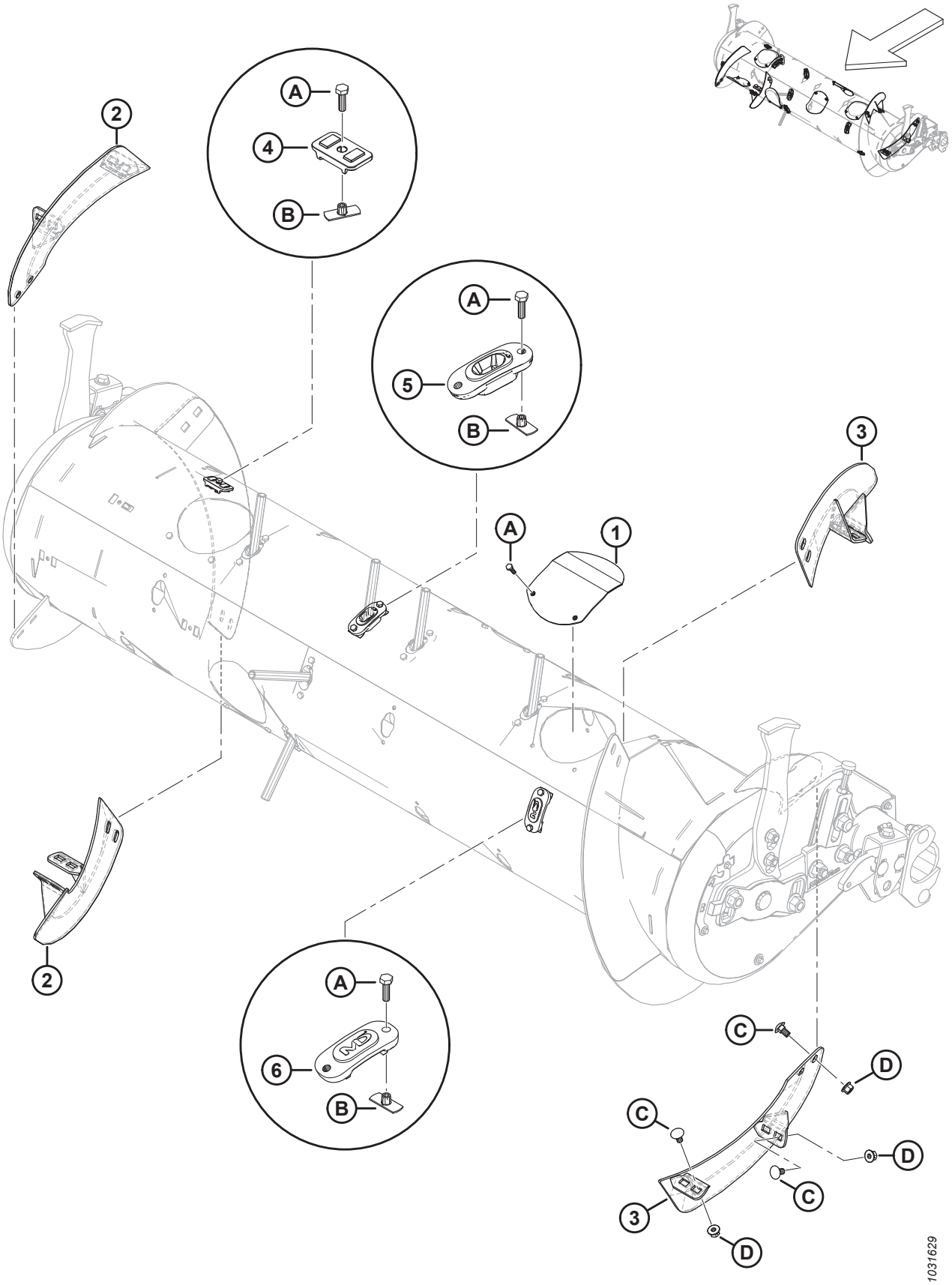
153 Auger – Float Linkage



AUGER – FLOAT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
1	322914	BAR – AUGER SUPPORT, LIMITER	2	
2	301805	BAR – AUGER SUPPORT, REAR	2	
3	301806	BAR – AUGER SUPPORT, FRONT	2	
4	301807	BAR – AUGER SUPPORT DUAL POSITION	2	
5	337362	LEVER – LH CRANK LOCK, MACHINED	1	
	337366	LEVER – RH CRANK LOCK, MACHINED	1	
6	248348	TUBE – SPACER	2	
7	248349	PLATE – SECURING	2	
8	322970	PIN – CLEVIS, 50 MM LG	2	
9	11814	PIN – CLEVIS, 30 MM LG	2	
10	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	6	
11	245966	SPRING – EXTENSION	2	
12	231448	EYE BOLT – M10 X 1.5 X 70-4.8-AA1J	2	
A	18601	WASHER – FLAT SAE		
B	112130	WASHER – HARD ASTM F436 3/4 IN. NOM. ID AB0C		
C	136378	BOLT – HEX FLG HD TFL M16 X 2 X 35-10.9		
D	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	30505	NUT – HEX M10 X 1.5-10-AA1J		

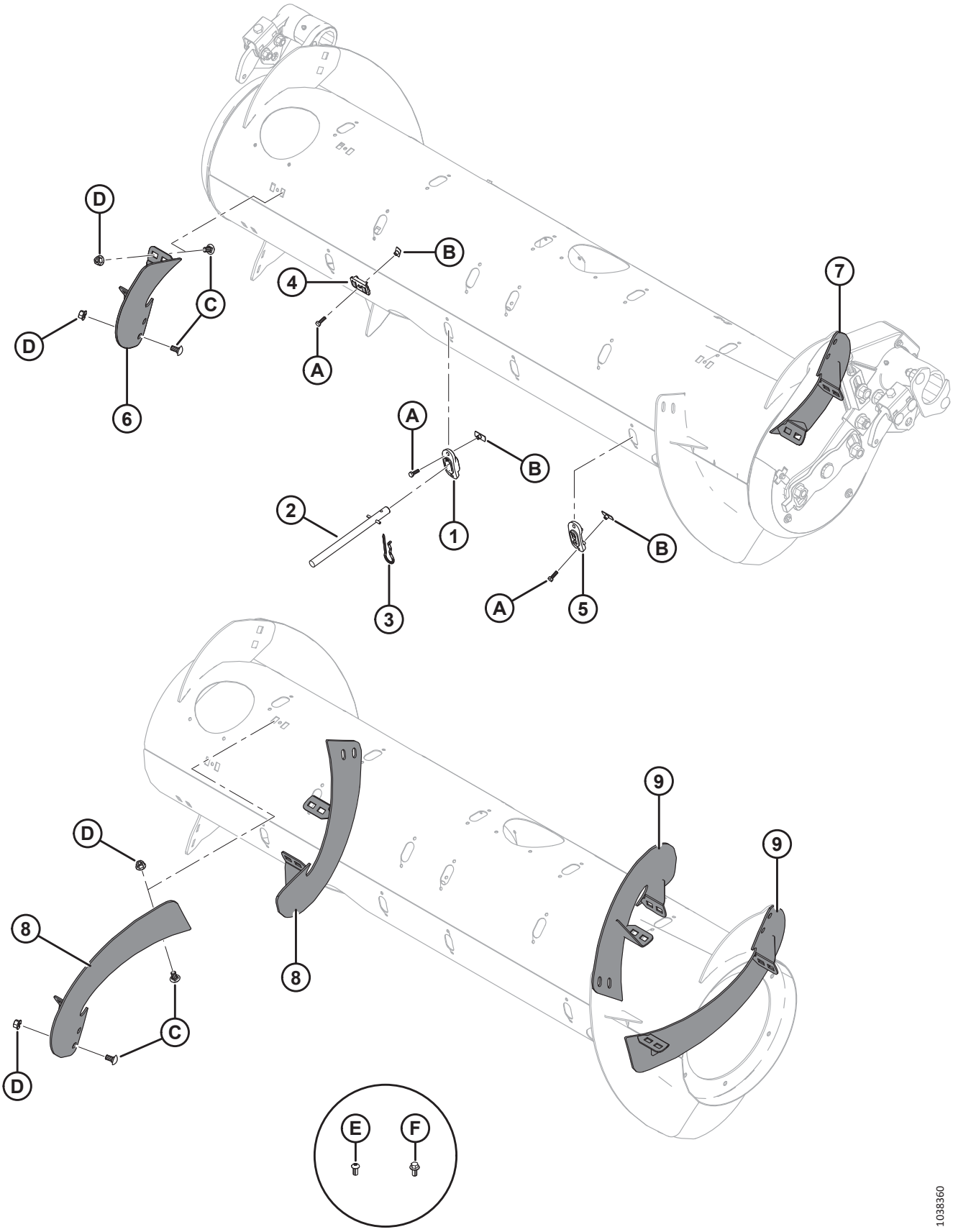
154 Auger Completion



AUGER COMPLETION

Ref	Part Number	Description	Qty	Serial Number
1	304494	COVER WELDMENT	6	
2	287887	FLIGHTING – RH, MEDIUM, HIWEAR	2	
3	287888	FLIGHTING – LH, MEDIUM, HIWEAR	2	
4	213084	PLUG – FLIGHTING SLOT	4	
5	337143	GUIDE	22	
6	187137	PLUG	8	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AF0C		
B	197263	NUT – TEE M6 X 1		
C	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

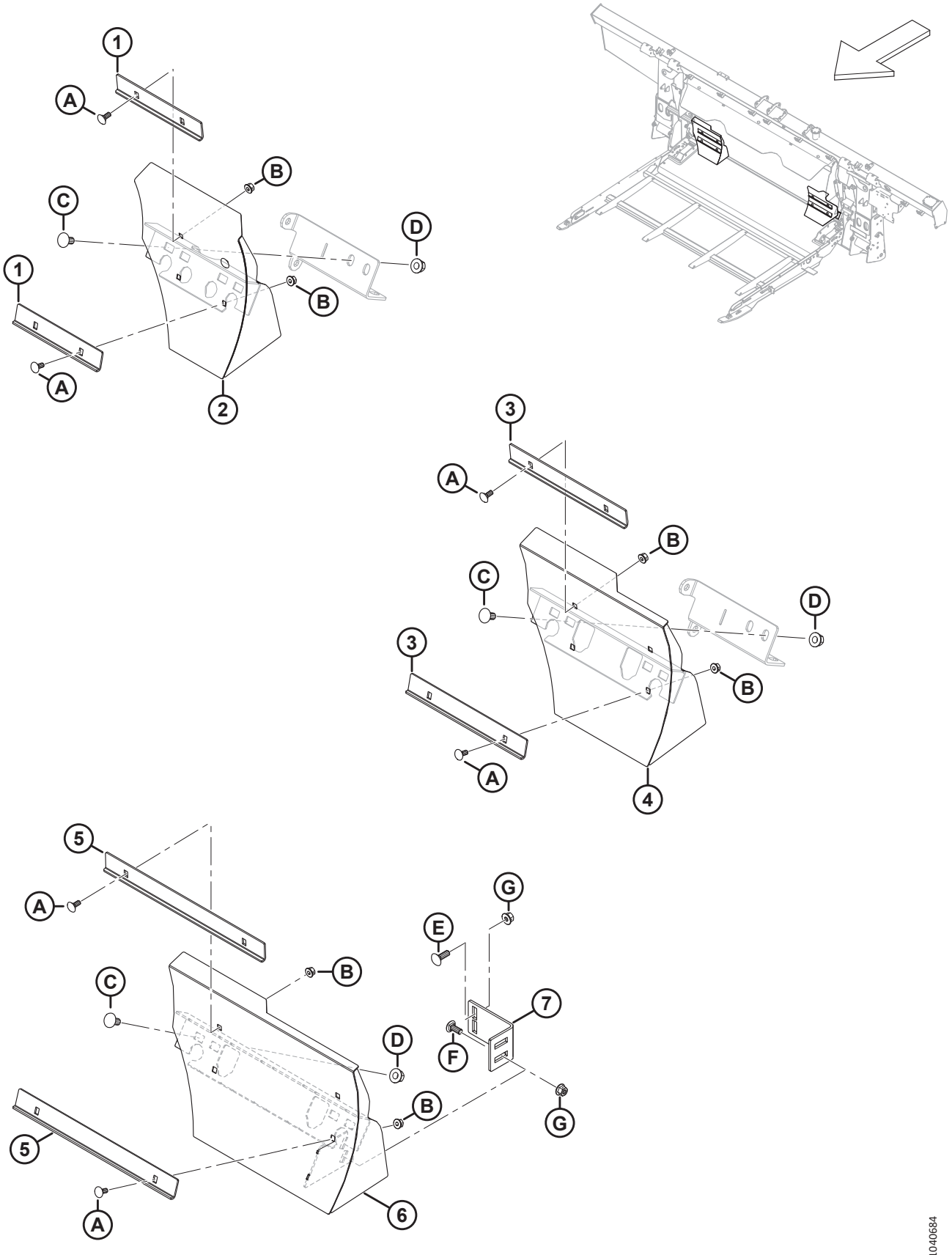
155 Auger Conversion Kits – Fingers and Flighting



Ref	Part Number	Description	Qty	Serial Number
	B7343	KIT – FEED AUGER FINGERS, 4 PCS [504]		
	B7344	KIT – FLIGHTING, SHORT HI-WEAR [505]		
	B7345	KIT – FLIGHTING, LONG HI-WEAR [506]		
	357233	KIT – FLIGHTING, SHORT HI-WEAR [507]		
	357234	KIT – FLIGHTING, LONG HI-WEAR [508]		
1	337143	GUIDE	4	
2	337152	KIT – FINGER [509]	4	
3	123180	PIN – HAIR	4	
4	213084	PLUG – FLIGHTING SLOT	4	
5	187137	PLUG [510]		
6	287887	FLIGHTING, RTD – RH, MED (HI WEAR)	1	
7	287888	FLIGHTING, RTD – LH, MED (HI WEAR)	1	
8	287890	FLIGHTING, RTD – RH, LONG (HI WEAR)	2	
9	287889	FLIGHTING, RTD – LH, LONG (HI WEAR)	2	
A	252703	BOLT – HEX HD TFL M6 X 1 X 20 X SPCL-12.9-AA2L		
B	197263	NUT – TEE M6 X 1		
C	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10-A3L		
E	135723	SCREW – HEX SOC BTN HD M10 X 1.5 X 20-10.9-AA1J [511]		
F	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J [512]		

504. Includes four solid fingers (MD #337152), guides (MD #337143), hair pins (MD #123180), flighting slots plugs (MD #213084), and hardware. Kits are available through Whole Goods only.
505. Includes one pair of short flighting (MD #287887 and MD #287888), four flighting slots plugs (MD #213084), four plugs (MD #187137), and hardware. Kits are available through Whole Goods only.
506. Includes two pairs of long flighting (MD #287889 and MD #287890), twelve plugs (MD #187137), and hardware. Kits are available through Whole Goods only.
507. Includes one pair of short flighting (MD #287887 and MD #287888), four flighting slots plugs (MD #213084), four plugs (MD #187137), hardware, and instructions.
508. Includes two pairs of long flighting (MD #287889 and MD #287890), twelve plugs (MD #187137), hardware, and instructions.
509. Includes solid finger (not sold separately), spring pin (MD #7642), guide (MD #337143), and instructions.
510. Quantities: B7344 = 4; B7345 = 12
511. For Ultra Narrow Configuration only; used on the new holes drilled in the flighting.
512. For Ultra Narrow Configuration only; used on the new holes drilled in the feed auger.

156 Auger – Crop Deflector Kits

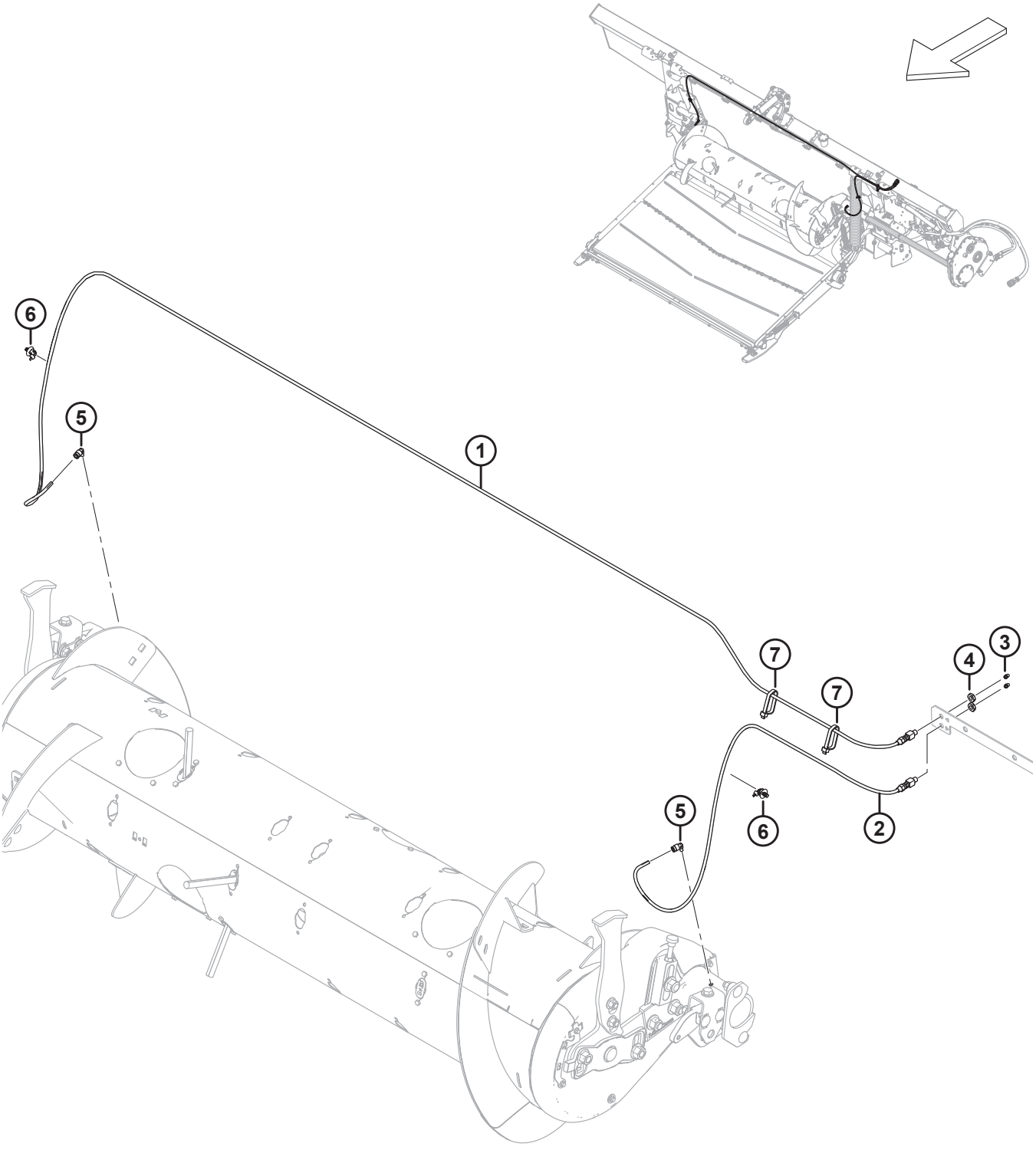


AUGER – CROP DEFLECTOR KITS

Ref	Part Number	Description	Qty	Serial Number
	B7348	KIT – DEFLECTORS, MEDIUM FEED AUGER [513]		
	B7347	KIT – DEFLECTORS, NARROW FEED AUGER [514]		
	B7314	KIT – DEFLECTORS, ULTRA NARROW [515]		
1	314680	ANGLE – SHORT STRIPPER [516]	4	
2	337777	DEFLECTOR – SHORT RH WELDT [516]	1	
	337778	DEFLECTOR – SHORT LH WELDT [516]	1	
3	328085	ANGLE – LONG STRIPPER [517]	4	
4	337779	DEFLECTOR – LONG RH WELDT [517]	1	
	337780	DEFLECTOR – LONG LH WELDT [517]	1	
5	328758	ANGLE – ULTRA LONG STRIPPER [518]	4	
6	328760	DEFLECTOR – ULTRA LONG WELDT RH [518]	1	
	328756	DEFLECTOR – ULTRA LONG WELDT LH [518]	1	
7	328763	FILLER BRACKET [518]	2	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152439	BOLT – RHSSN M12 X 1.75 X 25-8.8-AA1J		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
F	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
G	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		

513. For feeder opening widths of approximately 1317 mm (52 in.). Kits are available through Whole Goods only.
514. For feeder opening widths of approximately 1115 mm (44 in.). Kits are available through Whole Goods only.
515. For feeder opening widths of approximately 896 mm (35 in.). Kits are available through Whole Goods only
516. Included in B7348.
517. Included in B7347.
518. Included in B7314.

157 Auger – Grease Lines

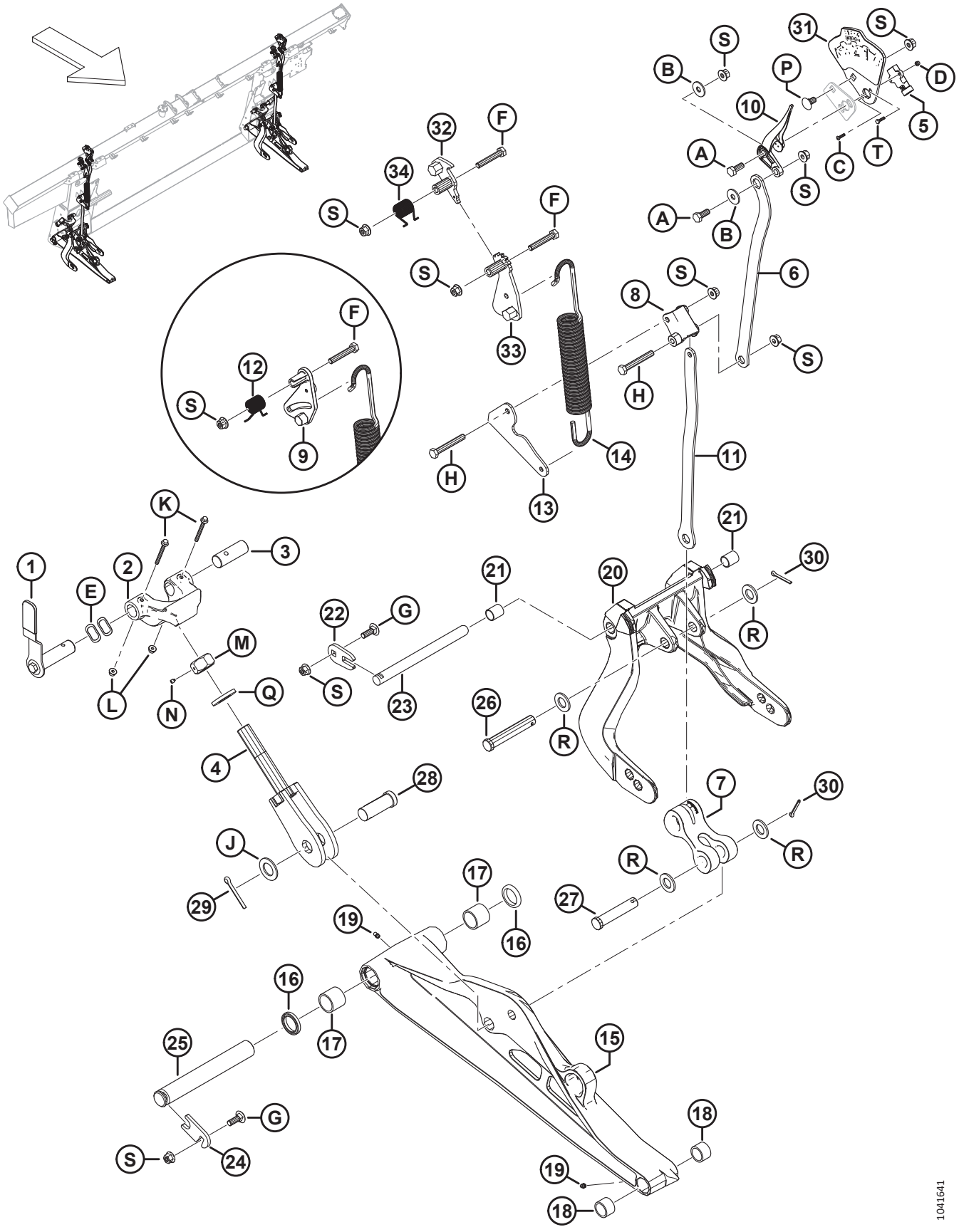


AUGER – GREASE LINES

Ref	Part Number	Description	Qty	Serial Number
1	322961	GREASE LINE – 3170 MM LG [519]	1	
2	322962	GREASE LINE – 1165 MM LG [519]	1	
3	18671	FITTING – LUBE 1/4 - 28 UNF	2	
4	320259	NUT – HEX 1/8-27 NPSM-SPCL-GR2-ZINC	2	
5	301427	FITTING – QUICK DC, 90°	2	
6	136655	FASTENER – FIR TREE MT W/ TIE	2	
7	30753	FASTENER – CABLE TIE, BLACK	2	

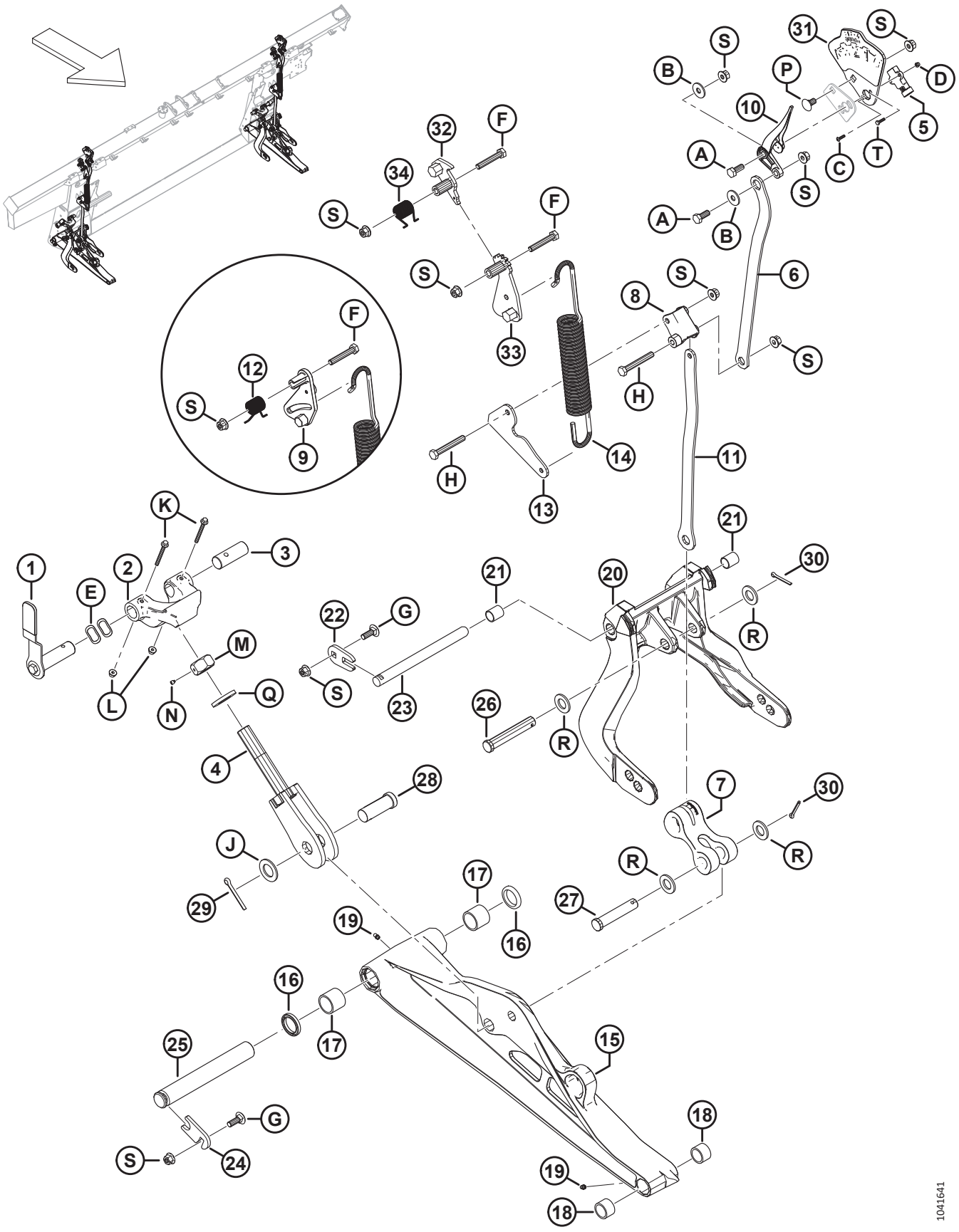
519. The grease line includes lube fitting (MD #18671) and hex nut (MD #320259).

158 Float Linkage and Float Setting and Measuring



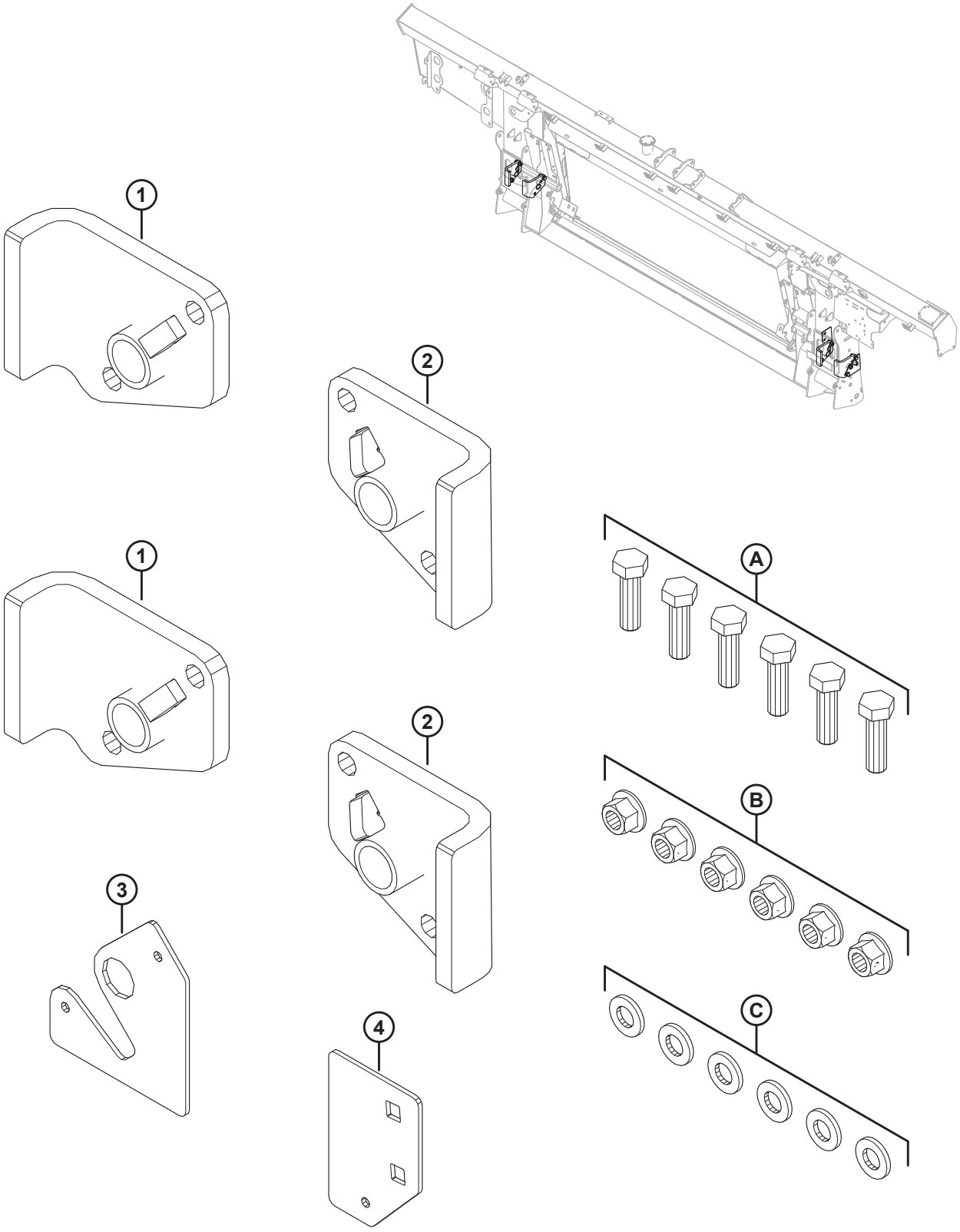
Ref	Part Number	Description	Qty	Serial Number
1	328538	HANDLE ASSY – FLOAT LOCK [520]	2	
	328491	GRIP – HANDLE	2	
2	301513	DOWNSTOP CASTING, MACHINED	2	
3	314276	PIN – PIVOT	2	
4	322219	BOLT – WELDMENT	2	
5	**500303**	**SENSOR – ROTARY, DUAL CONTACTLESS** [521]	**2**	
6	337634	PLATE – TOP LINK	2	
7	328133	LINK – ARM	2	
8	337821	LEVER – FSM MACHINED	2	
9	322981	CASTING – FSM LEVER (2023 AND PRIOR) [522]	A/R	
10	347923	INDICATOR NEEDLE	2	
11	337635	PLATE – BOTTOM LINK	2	
12	322046	SPRING – TORSION (2023 AND PRIOR) [523]	A/R	
13	337636	PLATE – SPRING LINK	2	
14	322557	SPRING – EXTENSION	2	
15	**357299**	**ASSY – LOWER LINK** [524]	**2**	
16	113222	SEAL KIT [525]		
17	100500	BEARING – NEEDLE	4	
18	49904	BEARING – NEEDLE	4	
19	**320500**	**FITTING – LUBE 1/4-28 UNF TAPER**	**4**	
20	357492	ASSEMBLY – FLOAT LEVER [526]	2	
21	156501	BUSHING – PLASTIC	4	
22	301633	PLATE	2	
23	335144	PIN – PIVOT	2	
24	212250	PLATE – PIN LOCK	2	
25	248261	PIN	2	
26	156741	PIN – CLEVIS	2	
27	20312	PIN – CLEVIS	2	
28	135995	PIN – CLEVIS	2	
29	18609	PIN – COTTER 1/4 DIA X 2 ZP	2	
30	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
31	357455	PLATE – INDICATOR W/ DECAL [527]	2	
32	**360971**	**PAWL – FSM WELDMENT** [528]	**2**	
33	**360756**	**LEVER – FSM WELDMENT** [528]	**2**	

520. The handle assembly includes float lock handle (NSS), handle grip (MD #328491), float lock pin (NSS), and hardware (MD #30627, MD #184712).
521. Rotary sensor MD #328412 has been superseded by rotary sensor MD #500303. Order rotary sensor MD #328412 until stock is depleted, then order rotary sensor MD #500303.
522. FSM lever (MD #322981) is a service part only for model year 2023 and prior machines.
523. Torsion spring (MD #322046) is a service part only for model year 2023 and prior machines.
524. The lower link assembly includes seal kit (MD #113222), two needle bearings (MD #100500), two needle bearings (MD #49904), and two lube fittings (MD #320500).
525. The seal kit includes one seal (NSS) and instructions.
526. The float lever assembly includes two plastic bushings (MD #156501).
527. The indicator plate assembly includes indicator plate (NSS), and float setting and measuring decal (MD #328142).
528. For model year 2024 and later machines.


1041641

Ref	Part Number	Description	Qty	Serial Number
34	**368017**	**SPRING – TORSION** [528]	**2**	
A	30627	BOLT – HEX HD TFL M10 X 1.5 X 25-8.8-A3L		
B	184712	WASHER – FLAT LARGE M10-200HV		
C	320389	SCREW – HEX SOC BTN HD M4 X 0.7 X 16-A2-SS		
D	320390	NUT – HEX NYLOC M4 X 0.7-8-A2-SS		
E	252564	WASHER – WAVE		
F	184664	BOLT – HEX HD M10 X 1.5 X 60-8.8-AA1J		
G	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
H	184659	BOLT – HEX HD M10 X 1.5 X 75-8.8-AA1J		
J	156743	WASHER – FLAT		
K	136704	BOLT – HEX FLG HD M6 X 1 X 60-8.8-AA2L		
L	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
M	133047	NUT – DOWNSTOP MACHINING		
N	136596	SCREW – SET CUP POINT 1/4-20 X 1/4		
P	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
Q	31774	WASHER – FLAT 1-1/8-30 HRC-AC0C		
R	18601	WASHER – FLAT SAE		
S	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
T	**197319**	**BOLT – HEX HD TFL M4 X 0.7 X 16-8.8-AA1J**		

159 Float Lock Pivot Rework Kit

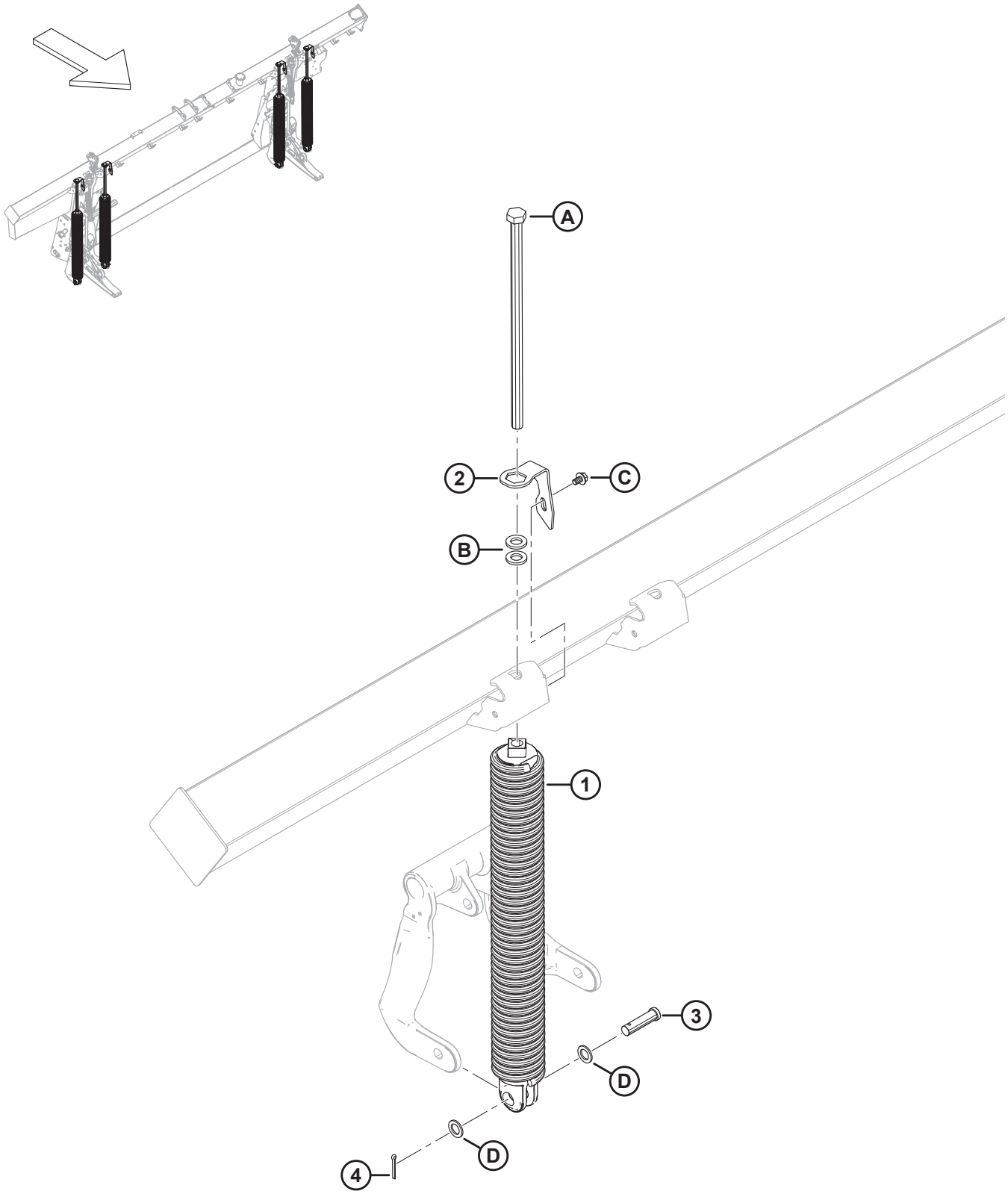


FLOAT LOCK PIVOT REWORK KIT

Ref	Part Number	Description	Qty	Serial Number
	352697	**KIT – FLOAT LOCK PIVOT REWORK** [529]	**1**	
1	**NSS**	**ASSY – RH PIVOT REWORK**	**2**	
2	**NSS**	**ASSY – LH PIVOT REWORK**	**2**	
3	**NSS**	**PLATE – OUTER HOLES TEMPLATE**	**1**	
4	**NSS**	**PLATE – INNER HOLES TEMPLATE**	**1**	
A	**184669**	**BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J**		
B	**136431**	**NUT – HEX FLG CTR LOC M12 X 1.75-10**		
C	**30636**	**WASHER – FLAT NARROW M12-STL-SOFT-AA1J**		

529. The kit includes all listed parts and instructions.

160 Float Springs

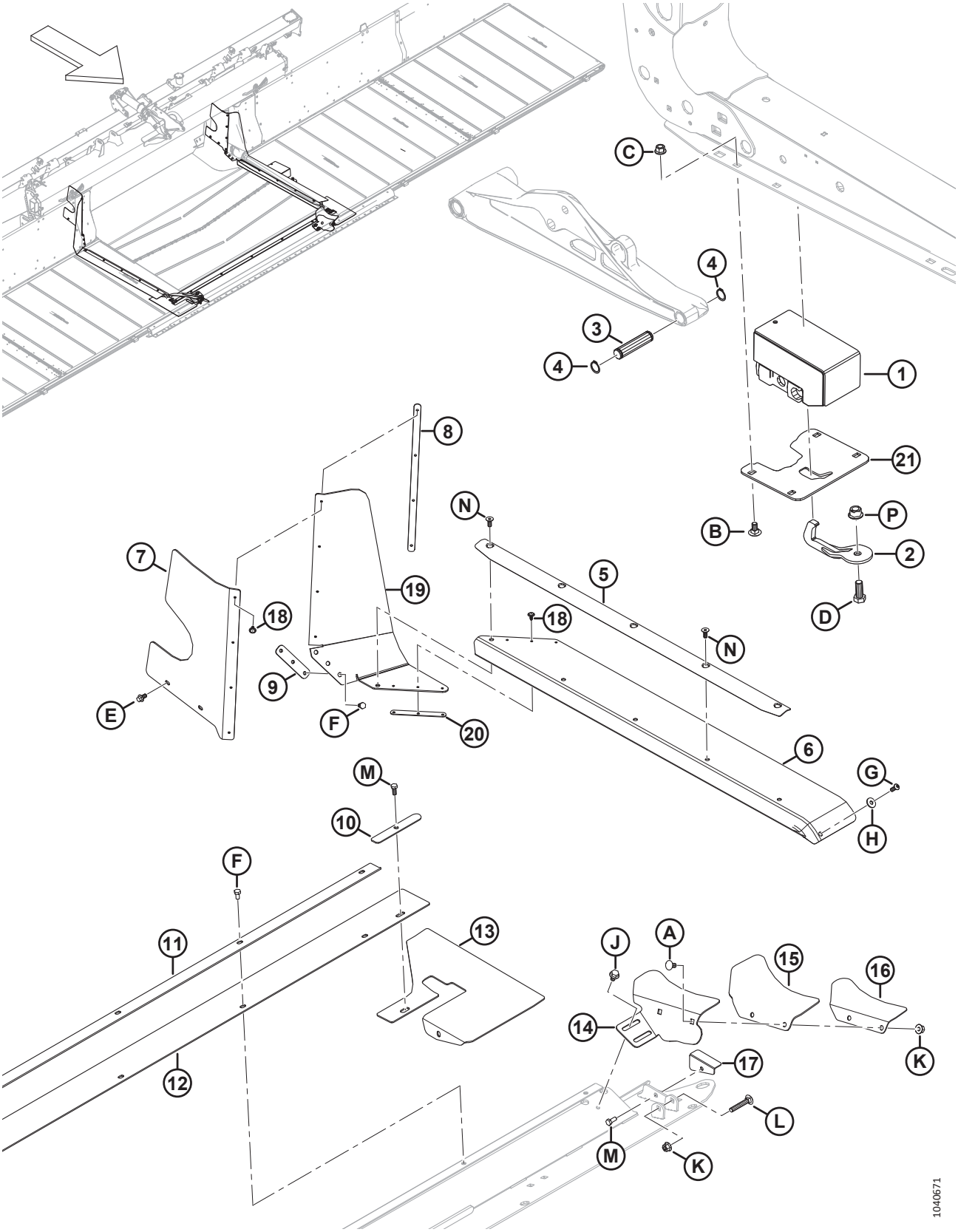


FLOAT SPRINGS

Ref	Part Number	Description	Qty	Serial Number
1	308878	SPRING – ASSEMBLY [530]		
	308879	SPRING – ASSEMBLY HEAVY [530]		
2	322668	LOCK – SPRING	4	
3	30463	PIN – CLEVIS	4	
4	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	4	
A	136088	BOLT – HEX HD TFL M20 X 2.5 X 450 X SPCL-8.8-AA1J		
B	21540	WASHER – HARD ASTM F436 M20-340HV-AB2C		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	1709	WASHER – FLAT		

530. There are four springs on each float module, but the combination of springs (MD #308878 and MD #308879) varies depending on header size. D225, D230, and D235 single-knife headers require 4 x 308878; D241 and D245 double-knife headers require 3 x 308878 and 1 x 308879 on the RH outboard side.

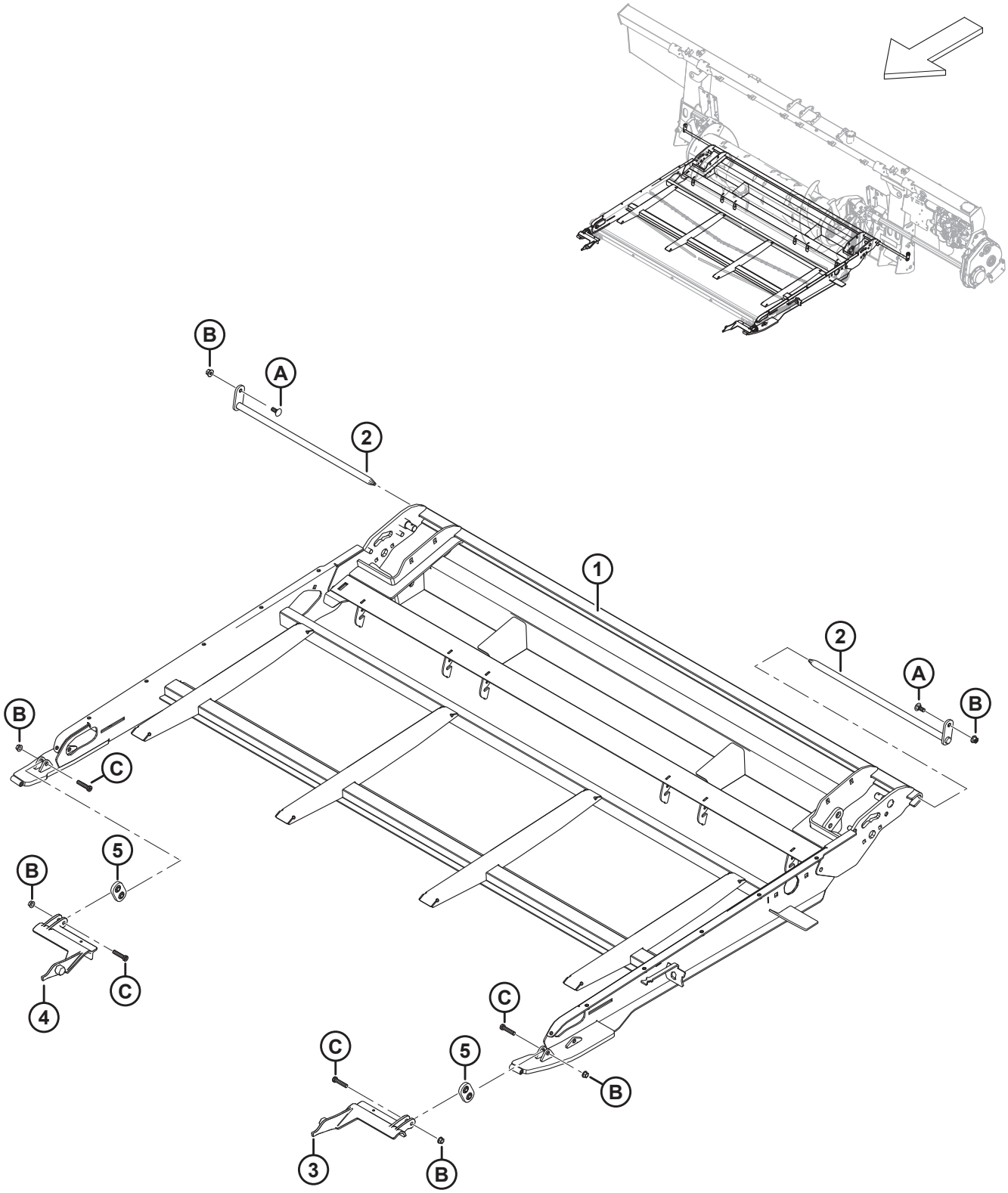
161 Float Module Attaching and Filler Components – FM200 to D2 Series



FLOAT MODULE ATTACHING AND FILLER COMPONENTS – FM200 TO D2 SERIES

Ref	Part Number	Description	Qty	Serial Number
1	258700	ASSY – RUBBER BLOCK, RIGID	2	
2	258876	BREAKAWAY HOOK – WELDT	2	
3	258318	PIN – PIVOT	2	
4	18898	RING – EXT RETAINING	4	
5	337407	RETAINER – SEAL AND FILLER	2	
6	347500	FILLER – MID DECK SIDE	2	
7	328348	FILLER – LH REAR UPPER	1	
	328349	FILLER – RH REAR UPPER	1	
8	276770	PLATE – FILLER RETAINER	2	
9	213713	RETAINER – FILLER MACHINED	2	
10	301127	PLATE – FILLER RETAINER	2	
11	301126	RETAINER – CENTER FILLER	1	
12	295261	FILLER – PAN CENTER	1	
13	295992	FLAP – PAN CORNER FLEX	2	
14	337457	SUPPORT – LH CORNER FILLER	1	
	337463	SUPPORT – RH CORNER FILLER	1	
15	304040	FLAP – CORNER FILLER	2	
16	337456	RETAINER – LH CORNER FILLER	1	
	337464	RETAINER – RH CORNER FILLER	1	
17	276117	RETAINER – PAN FLAP LH	1	
	276062	RETAINER – PAN FLAP RH	1	
18	293053	RIVET – POP	14	
19	347775	FILLER – MID DECK SIDE UPPER	2	
20	347778	PLATE – FILLER RETAINER	2	
21	NSS	SUPPORT – FORMED	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	111528	BOLT – HEX HD TFL M16 X 2 X 40-8.8-AA1J		
E	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
F	50139	BOLT – HEX HD TFL M8 X 1.25 X 16-8.8-AA1J		
G	320176	SCREW – HEX SOC BTN HD M8 X 1.25 X 20-10.9-AA1J		
H	184709	WASHER – FLAT LARGE M8-200HV		
J	136231	BOLT – HEX SER FLG HD M10 X 1.5 X 16 X SPCL-8.8		
K	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
L	136113	BOLT – RHSN M10 X 1.5 X 60-8.8-AA1J		
M	30715	BOLT – HEX HD TFL M8 X 1.25 X 20-8.8-AA1J		
N	136592	SCREW – HEX SOC CSK HD TFL M8 X 1.25 X 20-8.8-ZINC		
P	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		

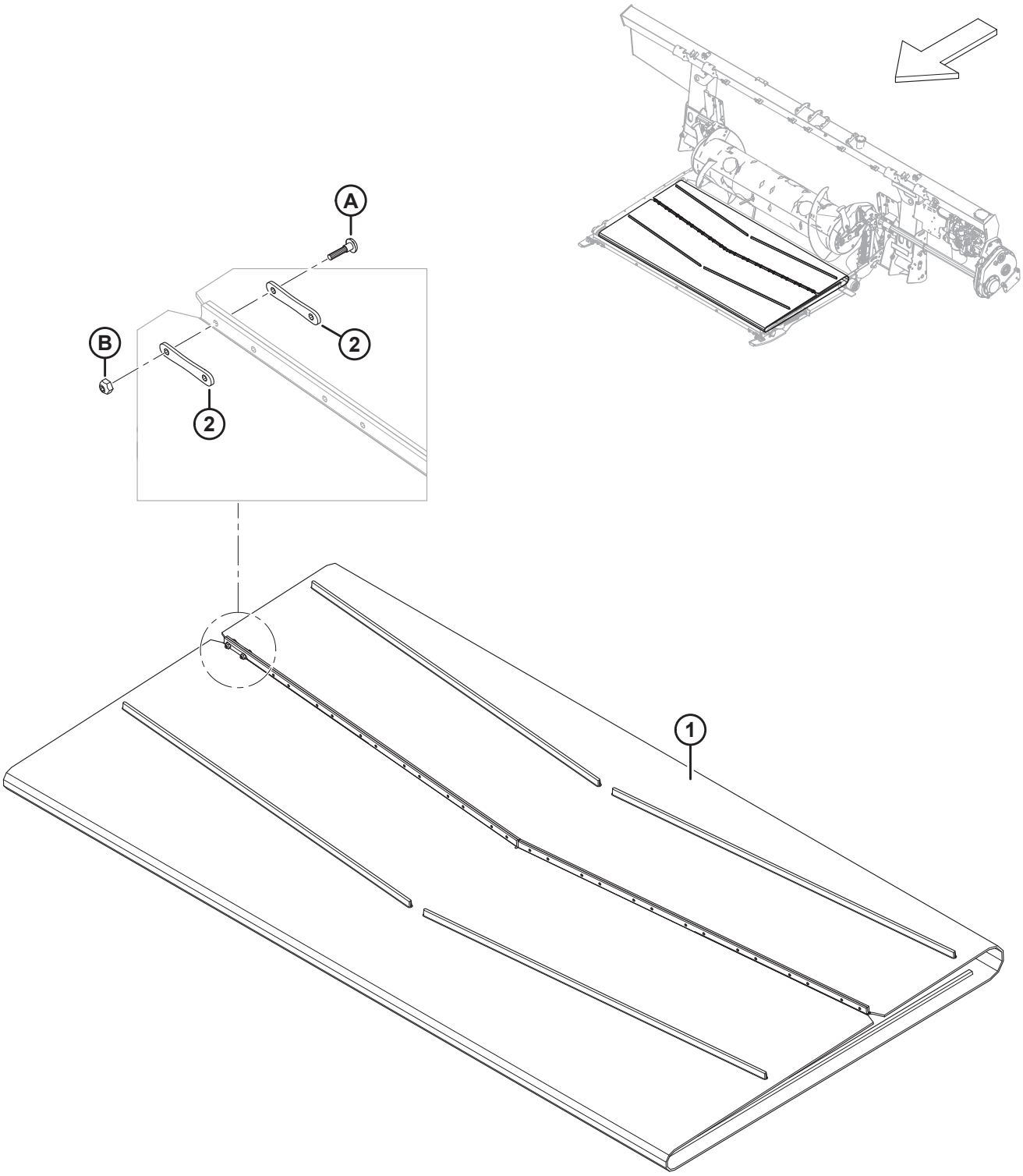
162 Feed Deck – Frame, Pivot Pins, and Front Support



Ref	Part Number	Description	Qty	Serial Number
	368380	**ASSY – FEED DECK** [531]	**1**	
1	347665	FRAME – CARRIER, FEED DECK WELDT	1	
2	231368	PIN – DECK PIVOT WELDT	2	
3	213418	SUPPORT – LH ADAPTER LINK MACH	1	
4	213419	SUPPORT – RH ADAPTER LINK MACH	1	
5	308774	SUPPORT – HOOK ASSY	2	
A	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	320358	SCREW – HEX SOC HD M10 X 1.5 X 45-SPCL-8.8-ZINC		

531. Complete feed deck assembly. The assembly does not include pivot pins (MD #231368) and associated hardware, but includes all other parts listed in Section *162 Feed Deck – Frame, Pivot Pins, and Front Support, page 381* to Section *165 Feed Deck – Pans and Fillers, page 389*.

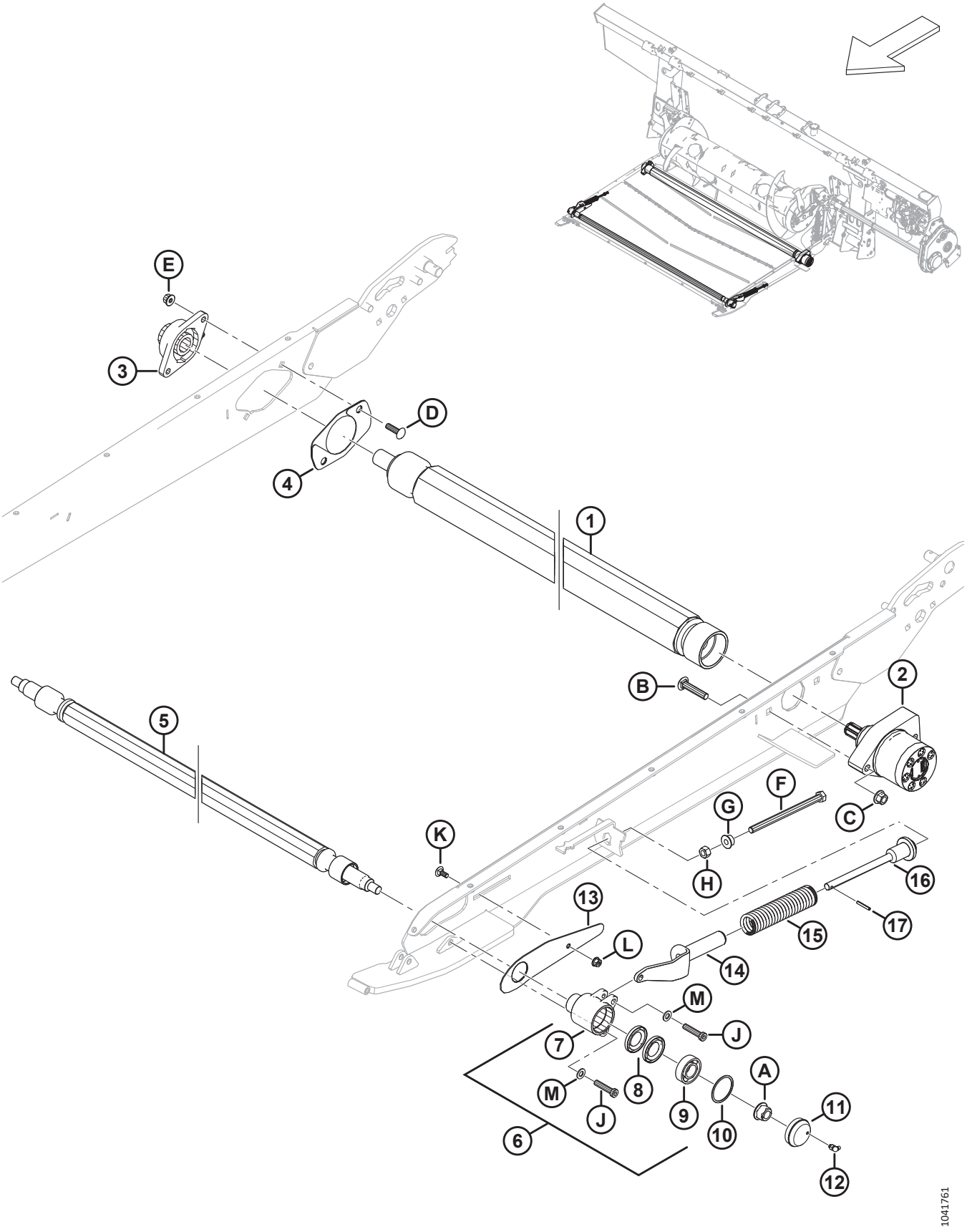
163 Feed Deck – Draper



1032730

Ref	Part Number	Description	Qty	Serial Number
1	322555	DRAPER – 1988 MM (78.3 IN.) WIDE X 2205 MM LG	1	
2	130283	STRAP – DRAPER CONNECTOR	28	
A	135630	SCREW – BHRN #12-24 NCX 0.920 IN. LG (QTY 50)		
B	135626	NUT – #12-24 NC (QTY 50)		

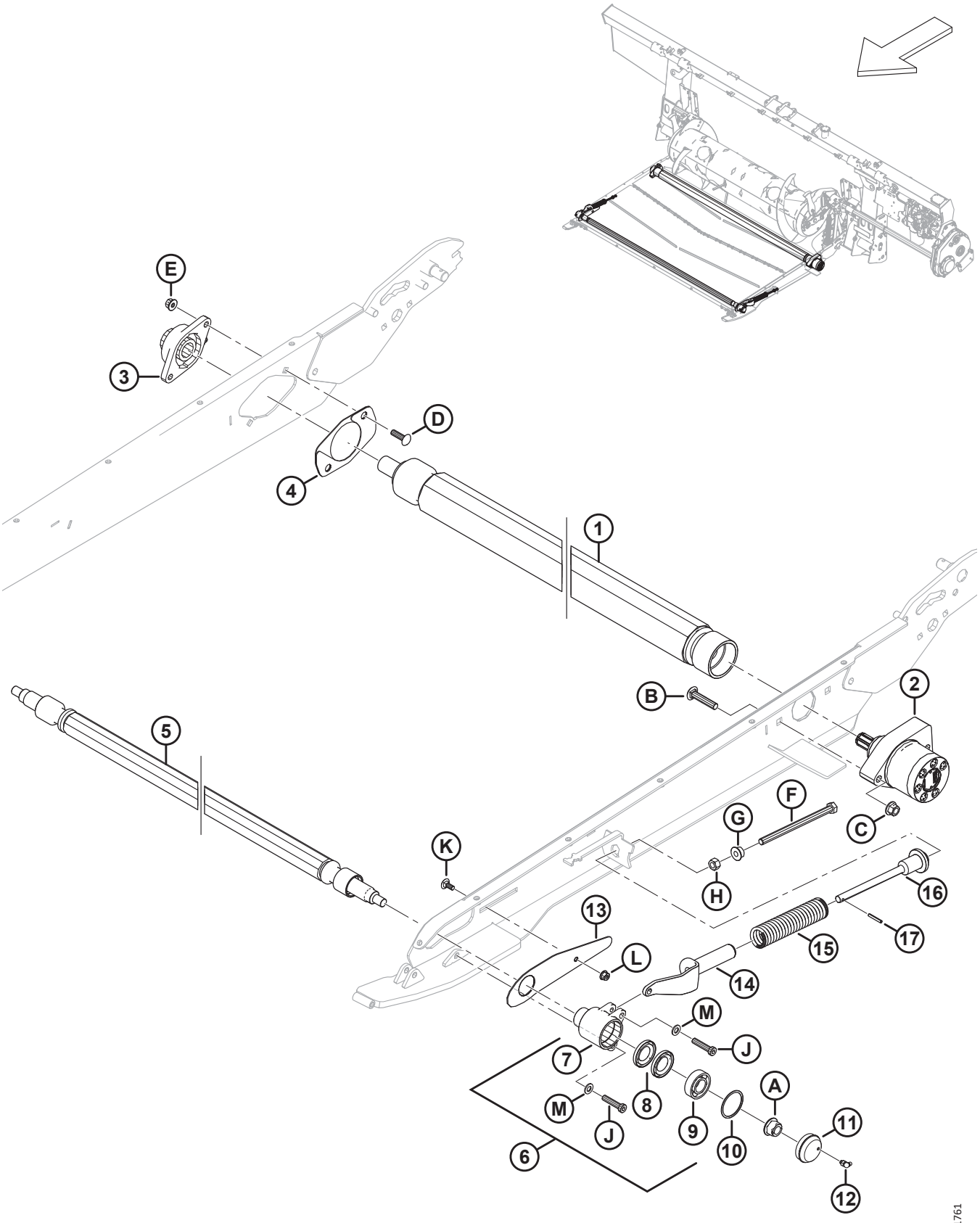
164 Feed Deck – Drive/Idler Roller and Tensioner



Ref	Part Number	Description	Qty	Serial Number
1	347483	ROLLER – DRIVE, VULCANIZED	1	
2	295853	MOTOR – HYD	1	
	245316	SEAL KIT		
3	347487	HOUSING – FL206 AND BEARING	1	
4	347553	KIT – DRIVE ROLLER COVER [532]	1	
5	295770	ROLLER – IDLER	1	
6	**368460**	**KIT – IDLER CUP W/ INSTRUCTION (2024 AND LATER)** [533]	**2**	
	335981	**KIT – IDLER HOUSING AND GREASE CAP (2023 AND PRIOR)** [534]	**A/R**	
7	335981	KIT – IDLER HOUSING AND GREASE CAP [535]	2	
8	100862	SEAL – OIL	4	
9	**368457**	**KIT – BEARING W/ INSTRUCTION** [536]	**2**	
10	118011	RING – RETAINING INTERNAL	2	
11	**357230**	**ASSY – DUST CAP WITH FITTING (2024 AND LATER)** [537]	**2**	
	133372	CAP – DUST (2023 AND PRIOR) [538]	A/R	
12	21010	FITTING – LUBE 90° 1/4-28 TAPER THD [539]	2	
13	295766	COVER – IDLER ROLLER	2	
14	328128	SUPPORT – DECK TENSION CASTING	2	
15	295407	SPRING – COMPRESSION	2	
16	328143	SUPPORT – SPRING MACHINED	2	
17	13617	PIN – SPRING 3/16 DIA X 1.25 LG	2	
A	152520	NUT – HEX FLG TECH LK M16 X 2-10-AA1J		
B	136308	BOLT – RHSSN M12 X 1.75 X 60-8.8-ZINC		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136248	BOLT – RHSSN TFL M10 X 1.5 X 35-8.8-AA1J		
E	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
F	252272	BOLT – HEX HD TFL M12 X 1.75 X 180-10.9-ZINC		
G	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		

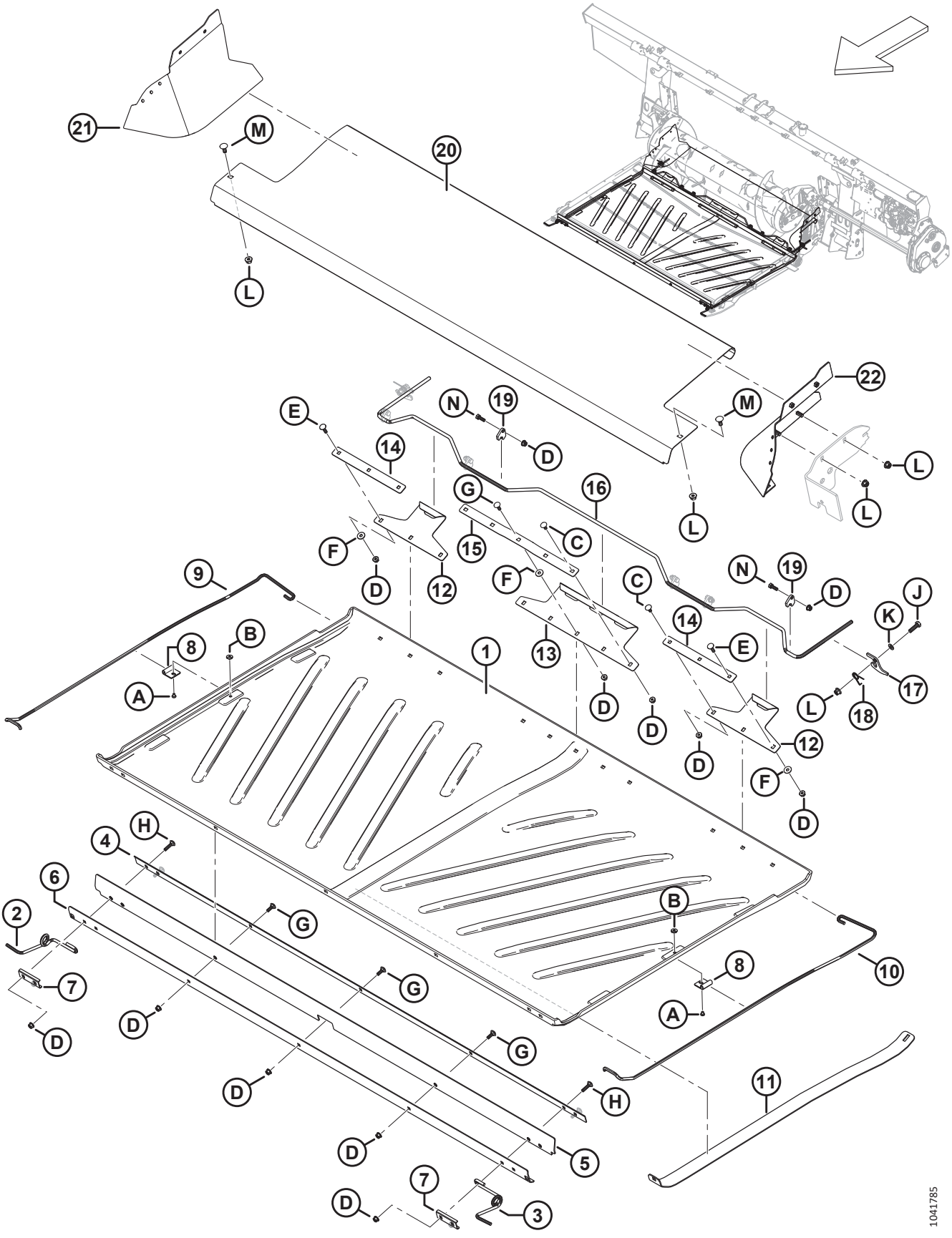
532. The kit includes two cover plates (not sold separately).
533. The Idler Housing kit (MD #368460) is used to service the idler housing assembly (item #6) for model year 2024 and later machines. The Idler Housing kit includes one idler housing (NSS), two oil seals (MD #100862), one bearing (MD #118185), one internal retaining ring (MD #118011), and instructions. The kit does NOT include the lube fitting (MD #21010), dust cap (NSS), or attaching bolts (MD #135319).
534. The Idler Housing and Grease Cap kit (MD #335981) is used to service the idler housing assembly (item #6) for model year 2023 and prior machines. The kit includes one dust cap assembly with fitting (MD #357230), one Idler Housing kit (MD #368460), and instructions.
535. The Idler Housing and Grease Cap kit (MD #335981) is also used to service superseded idler housing MD #314474 (item #7). The kit includes one dust cap assembly with fitting (MD #357230), one Idler Housing kit (MD #368460), and instructions.
536. The kit includes one 52 mm O.D. ball bearing (NSS) and instructions.
537. The Dust Cap with Fitting assembly (MD #357230) is used to service model year 2024 and later machines, or machines that have been serviced with the Idler Housing and Grease Cap kit (MD #335981). The assembly includes one dust cap (NSS) and one lube fitting (MD #21010).
538. Dust cap (MD #133372) is used to service model year 2023 and prior machines that have NOT been serviced with the Idler Housing and Grease Cap kit (MD #335981).
539. The lube fitting connects to the idler housing for model year 2023 and prior machines that have NOT been serviced with the Idler Housing and Grease Cap kit (MD #335981).

FEED DECK – DRIVE/IDLER ROLLER AND TENSIONER



Ref	Part Number	Description	Qty	Serial Number
H	184694	NUT – HEX M12 X 1.75-8-AA1J		
J	320358	SCREW – HEX SOC HD M10 X 1.5 X 45-SPCL-8.8-ZINC		
K	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
L	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
M	184711	WASHER – FLAT REG M10-200HV-AA1J		

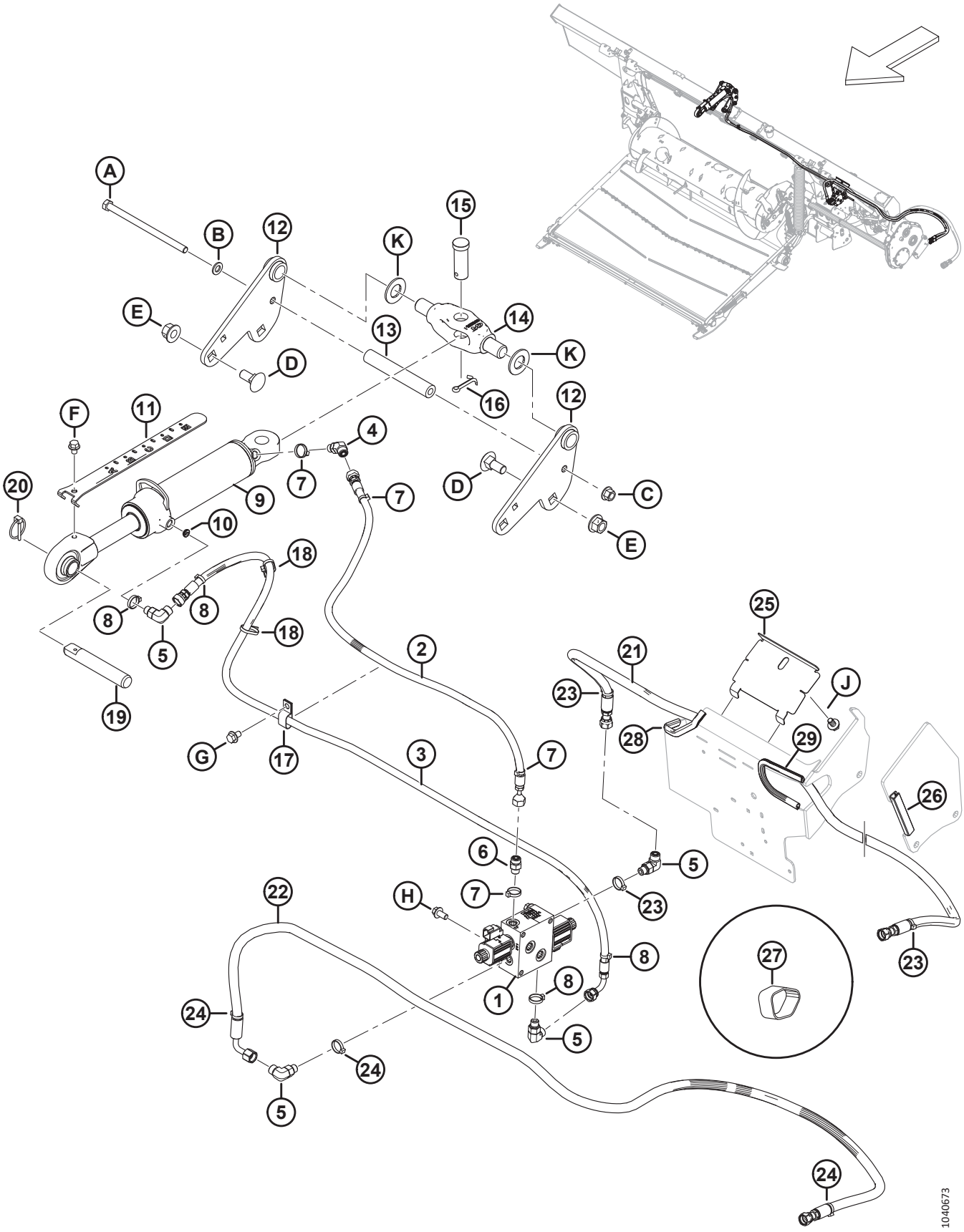
165 Feed Deck – Pans and Fillers



Ref	Part Number	Description	Qty	Serial Number
1	**360927**	**PAN – FEED DECK** [540]	**1**	
2	347691	SUPPORT – PAN FRONT SPRING RH	1	
3	347692	SUPPORT – PAN FRONT SPRING LH	1	
4	295213	PLATE – FRONT BAR INNER	1	
5	295212	FLAP – PAN FRONT	1	
6	295211	PLATE – FRONT BAR OUTER	1	
7	287939	RETAINER – FRONT SPRING	2	
8	248833	RETAINER – PAN SPRING	2	
9	213634	SUPPORT – PAN SPRING RH	1	
10	213633	SUPPORT – PAN SPRING LH	1	
11	213635	SUPPORT – PAN LIFTER	1	
12	240013	HOOK – REAR SIDE	2	
13	**360924**	**HOOK – REAR CENTER** [541]	**1**	
14	231765	BAR – SIDE HOOK	2	
15	**360925**	**BAR – HOOK CENTER** [542]	**1**	
16	240010	HANDLE – PAN LATCH	1	
17	240254	SUPPORT – PAN HANDLE LATCH	2	
18	159020	SPRING – TORSION	2	
19	248914	GUIDE – HANDLE LOCK	6	
20	240264	PAN – FEED DECK STAINLESS	1	
21	335912	FILLER – RH REAR CORNER WELDT	1	
22	335891	FILLER – LH REAR CORNER WELDT	1	
A	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
B	252051	NUT – TEE M6		
C	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	190752	BOLT – RHSN M8 X 1.25 X 30-8.8-AA1J		
F	184709	WASHER – FLAT LARGE M8-200HV		
G	184648	BOLT – RHSN M8 X 1.25 X 25-8.8-AA1J		
H	136050	BOLT – RHSN M8 X 1.25 X 35-8.8-AA1J		
J	30628	BOLT – HEX HD M10 X 1.5 X 35-8.8-AA1J		
K	184711	WASHER – FLAT REG M10-200HV-AA1J		
L	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
M	135785	BOLT – RHSN M10 X 1.5 X 25-8.8-AA1J		
N	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		

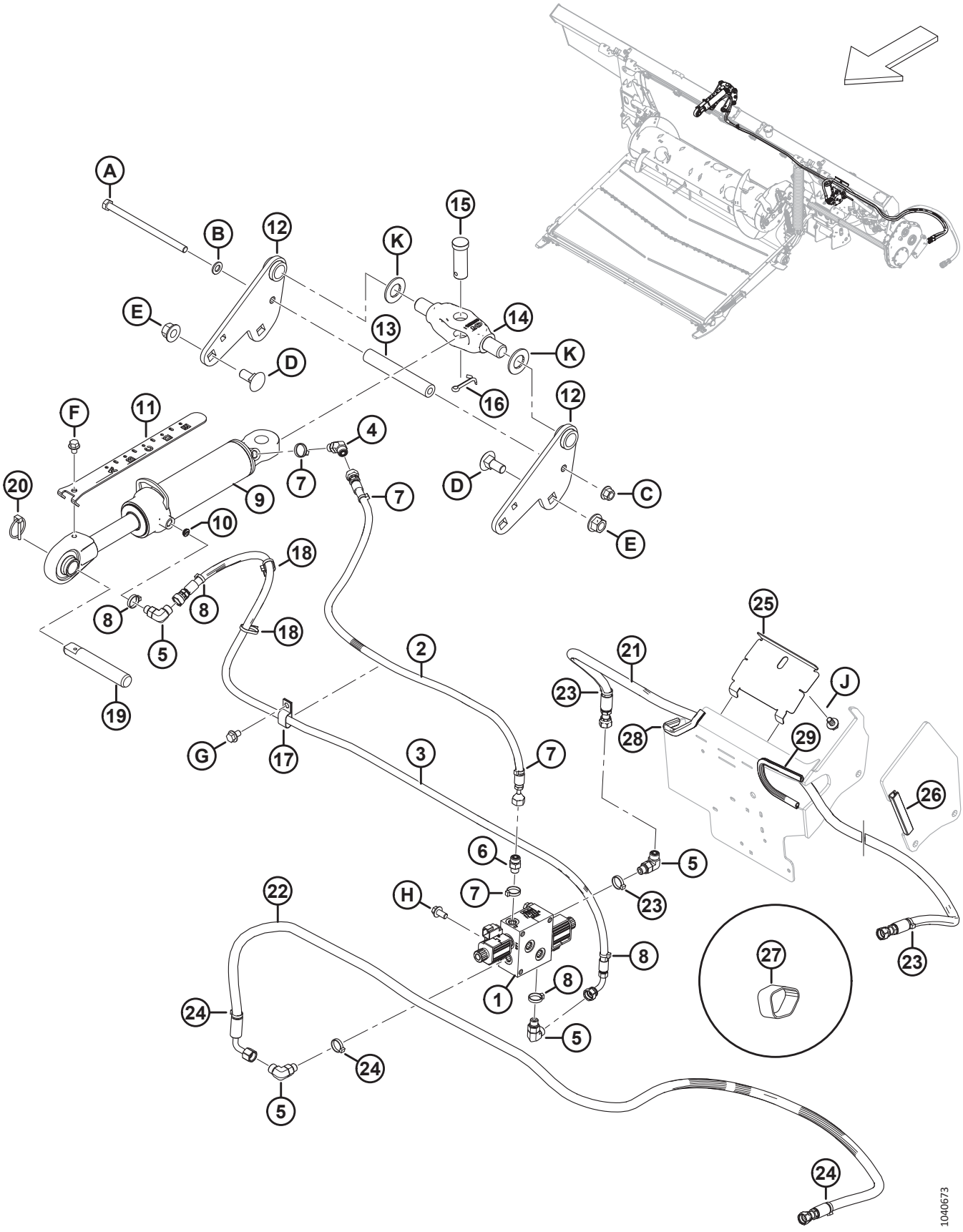
540. Feed deck pan MD #276681 superseded by feed deck pan MD #360927. Order pan MD #276681 until stock is depleted, then order pan MD #360927.
541. Rear center hook MD #240012 superseded by rear center hook MD #360924. Order hook MD #240012 until stock is depleted, then order hook MD #360924.
542. Center hook bar MD #231766 superseded by center hook bar MD #360925. Order bar MD #231766 until stock is depleted, then order bar MD #360925.

166 Hydraulics – Center-Link and Header Tilt / Reel Fore-Aft



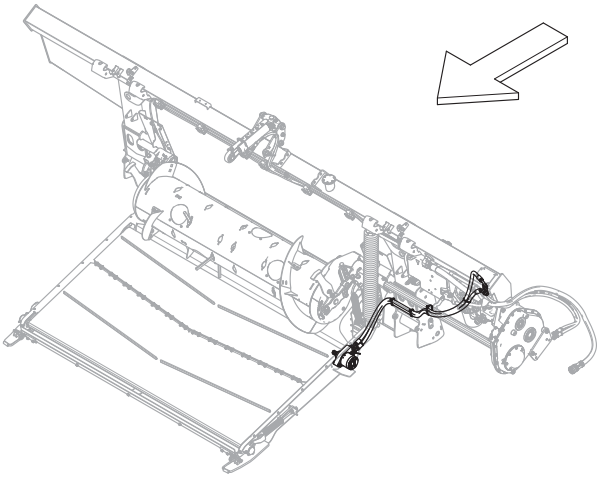
Ref	Part Number	Description	Qty	Serial Number
1	322022	MANIFOLD – SELECTOR VALVE (SV) [543]	1	
	213363	MANIFOLD – SELECTOR VALVE (SV) [544]		
	287449	COIL – 12VDC - .625IN		
	287450	VALVE – POPPET		
	287451	SEAL KIT		
2	314417	HOSE – HYD, TILT FORE	1	
3	314416	HOSE – HYD, TILT AFT	1	
4	136144	FITTING – ELBOW 45° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
5	136095	FITTING – ELBOW 90° HYD	3	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
6	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
7	40703	FASTENER – CABLE TIE, BLUE	4	
8	40704	FASTENER – CABLE TIE, ORANGE	4	
9	308658	CYLINDER – TOP LINK, 193 STROKE	1	
	123978	SEAL KIT		
10	252692	RESTRICTOR – #6 ORB X.035 IN.	1	
11	314292	INDICATOR – TILT, 193 STROKE	1	
12	314645	WELDMENT – TOP LINK ANCHOR	2	
13	301318	TUBE – SPACER	1	
14	187660	PIVOT – MACHINING	1	
15	135995	PIN – CLEVIS	1	
16	18609	PIN – COTTER 1/4 DIA X 2 ZP	1	
17	135234	CLAMP – DOUBLE HOSE INSULATED	1	
18	21763	FASTENER – CABLE TIE, BLACK	2	
19	313734	PIN – CENTER LINK	1	
20	102264	PIN – LYNCH 3/16 X 1 9/16 IN	1	
21	314397	HOSE – HYD, REEL FORE	1	
22	314399	HOSE – HYD, REEL AFT	1	
23	49227	FASTENER – CABLE TIE, GREEN	3	
24	40702	FASTENER – CABLE TIE, RED	3	
25	347949	PANEL – HOSE HOLDER	1	
26	254183	SEAL – EDGE TRIM	1	
27	295927	CINCH STRAP – 8 IN. LG [545]	1	

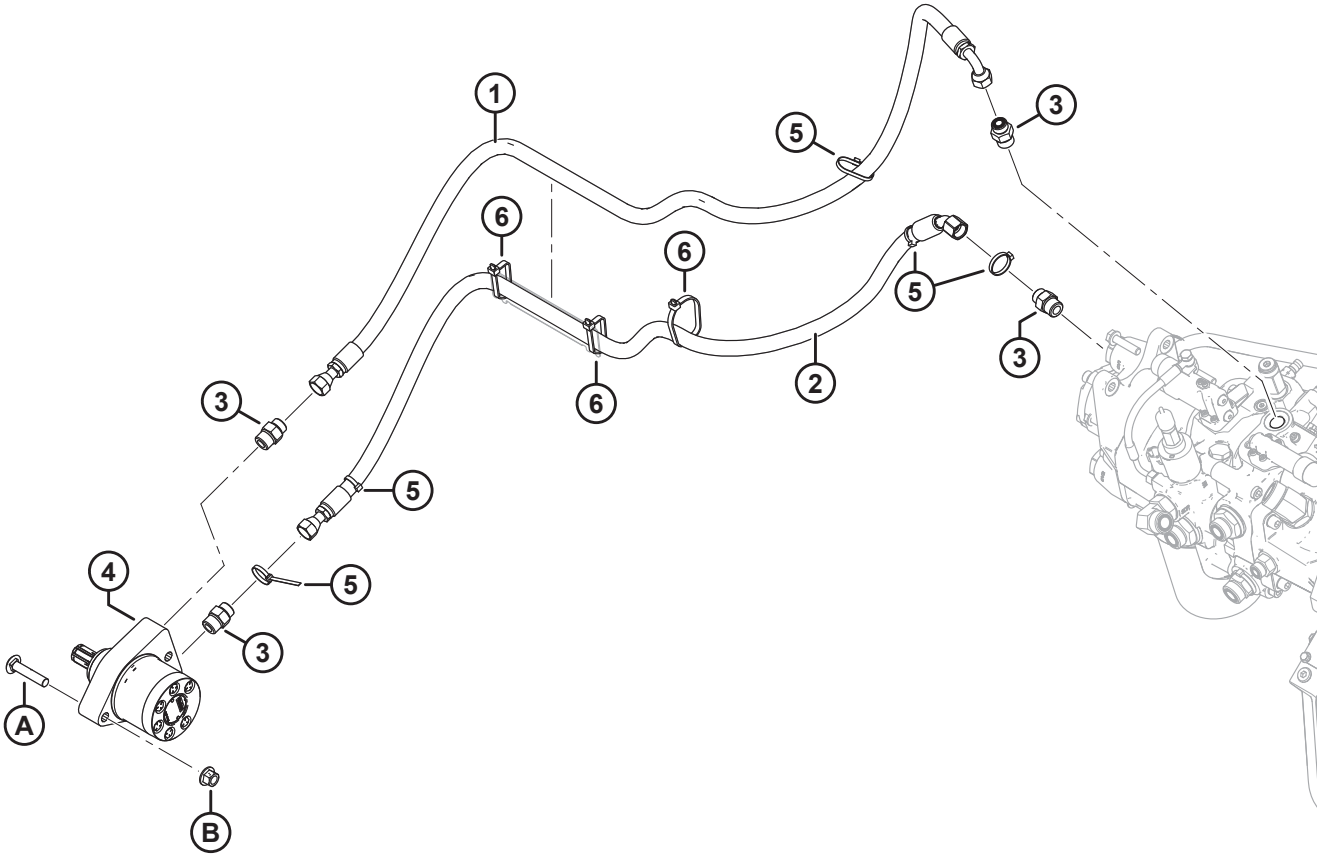
543. The manifold includes selector valve manifold (MD #213363), one adapter fitting (MD #135778), three 90° elbow fittings (MD #136095), blue fastener (MD #40703), orange fastener (MD #40704), red fastener (MD #40702), and green fastener (MD #49227).
544. The manifold includes two poppet valves (MD #287450) and two coils (MD #287449).
545. The cinch strap is used to protect reel fore-aft hoses (MD #314397, MD #314399).


A
B
12
K
15
E
13
14
K
D
16
12
F
11
4
7
20
9
7
D
C
10
E
18
8
8
5
18
19
2
25
21
23
J
G
17
3
7
28
29
26
6
5
H
7
23
22
8
1
8
27
23
24
5
24
5
24
1040673

Ref	Part Number	Description	Qty	Serial Number
28	133136	MOULDING	1	
29	45427	MOULDING – RH	1	
A	152395	BOLT – HEX HD M12 X 1.75 X 200-10.9-AA3L		
B	184714	WASHER – FLAT REG M12-300HV		
C	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
D	136755	BOLT – RHSN M16 X 2 X 40-8.8-AA1J		
E	136440	NUT – HEX FLG CTR LK M16 X 2-10-AA1J		
F	30693	BOLT – HEX FLG HD SER 3/8-16 X .5 GR 5 - AA1J		
G	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
H	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
J	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
K	18603	WASHER – FLAT SAE 1 1/16 ID X 2.0 IN OD AA1J		

167 Hydraulics – Feed Deck

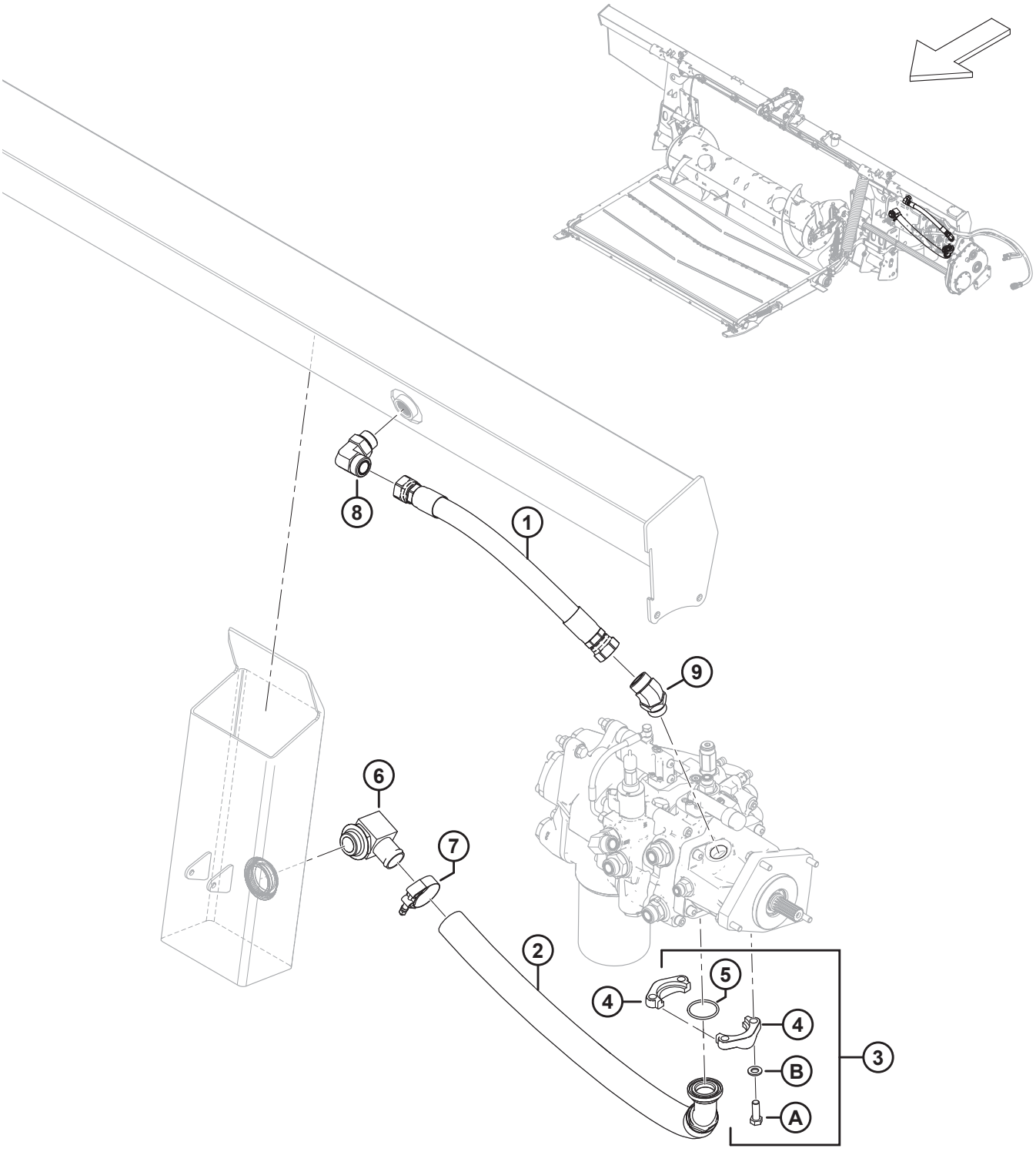




1032504

Ref	Part Number	Description	Qty	Serial Number
1	314396	HOSE – HYD, FEED DRAPER RETURN	1	
2	314395	HOSE – HYD, FEED DRAPER PRESSURE	1	
3	184463	FITTING – ADAPTER HYD	4	
4	295853	MOTOR – HYD (FEED DECK)	1	
	245316	SEAL KIT		
5	21763	FASTENER – CABLE TIE, BLACK 160 MM LG	5	
6	30753	FASTENER – CABLE TIE, BLACK 305 MM LG	3	
A	136308	BOLT – RHSSN M12 X 1.75 X 60-8.8-ZINC		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

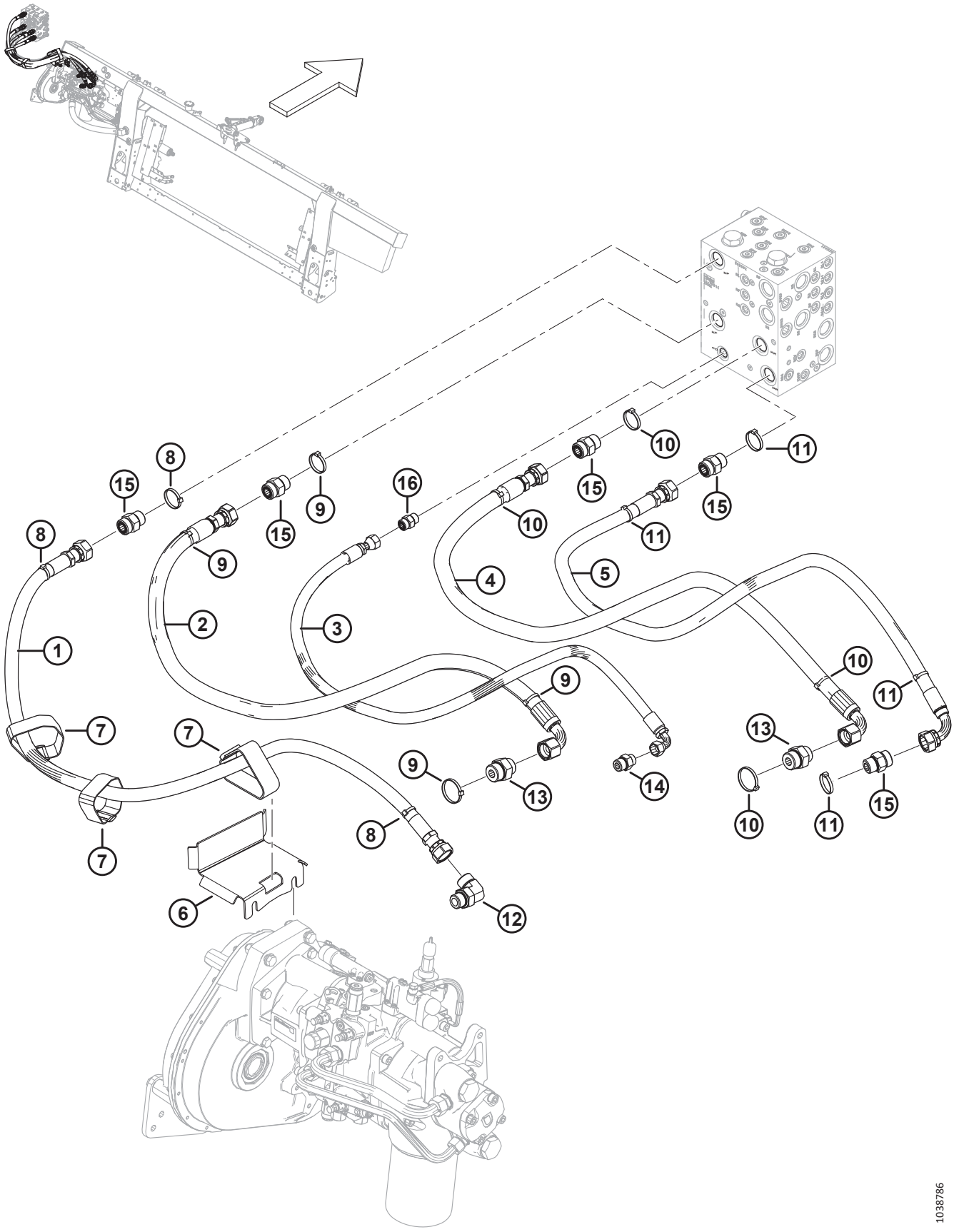
168 Hydraulics – Suction and Return



Ref	Part Number	Description	Qty	Serial Number
1	314402	HOSE – HYD, RETURN	1	
2	314389	HOSE – HYD, SUCTION	1	
3	314537	KIT – SPLIT FLANGE, 1.5 IN. CD61-1 [546]	1	
4	136106	FLANGE – HALF SPLIT 1.5 IN.	2	
5	135400	O-RING – 3.53 X 47.22	1	
6	111545	FITTING – ELBOW HYD HOSE ADAPTER	1	
7	245753	CLAMP – T BOLT	1	
8	135734	FITTING – ELBOW 90° HYD	1	
	50220	O-RING – Ø2.95 X Ø29.74		
	135554	O-RING – 1.78 X 23.52		
9	252814	FITTING – ELBOW 45° HYD	1	
	135554	O-RING – 1.78 X 23.52		
	50220	O-RING – Ø2.95 X Ø29.74		
A	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
B	184714	WASHER – FLAT REG M12-300HV		

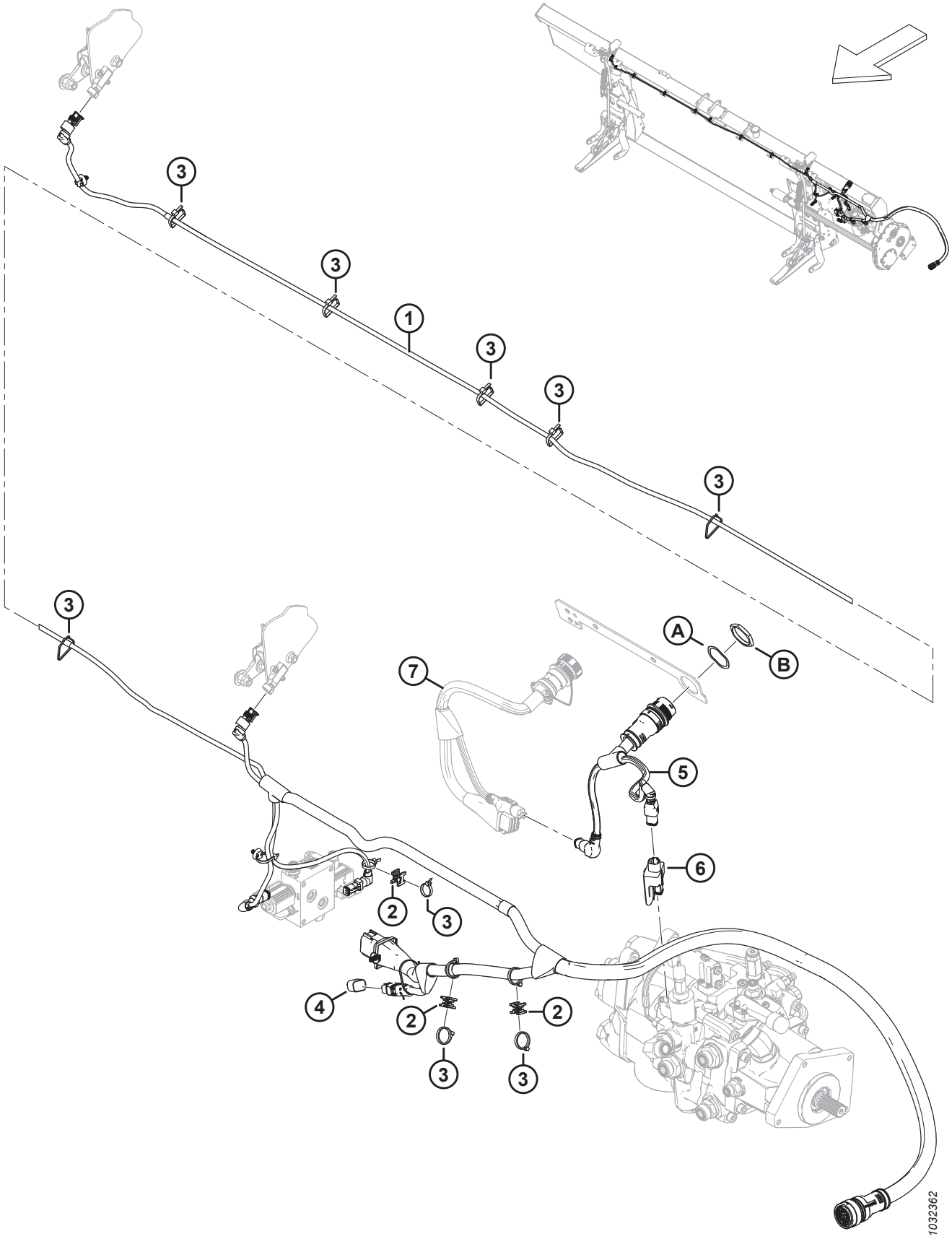
546. The kit includes two 1.5 inch half split flange (MD #136106), O-ring (MD #135400), four bolts (MD #152730), and four washers (MD #184714).

169 Hydraulics – Float Module to Header Manifold



Ref	Part Number	Description	Qty	Serial Number
1	322256	HOSE – HYD, SDP	1	
2	314391	HOSE – HYD, KP	1	
3	314401	HOSE – HYD, CD	1	
4	314392	HOSE – HYD, KR	1	
5	314394	HOSE – HYD, SDR	1	
6	335887	HOLDER – HOSE	1	
7	347979	CINCH STRAP – 16 IN. LG	3	
8	49227	FASTENER – CABLE TIE, GREEN	3	
9	40704	FASTENER – CABLE TIE, ORANGE	4	
10	40703	FASTENER – CABLE TIE, BLUE	4	
11	40702	FASTENER – CABLE TIE, RED	4	
12	135821	FITTING – ELBOW 90° HYD	1	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
13	135789	FITTING – ADAPTER	2	
	50220	O-RING – Ø2.95 X Ø29.74		
	135868	O-RING – Ø1.78 X Ø18.77		
14	184463	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
15	135788	FITTING – ADAPTER	5	
	30971	O-RING – Ø2.95 X Ø23.47		
	135868	O-RING – Ø1.78 X Ø18.77		
16	135780	FITTING – ADAPTER	1	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		

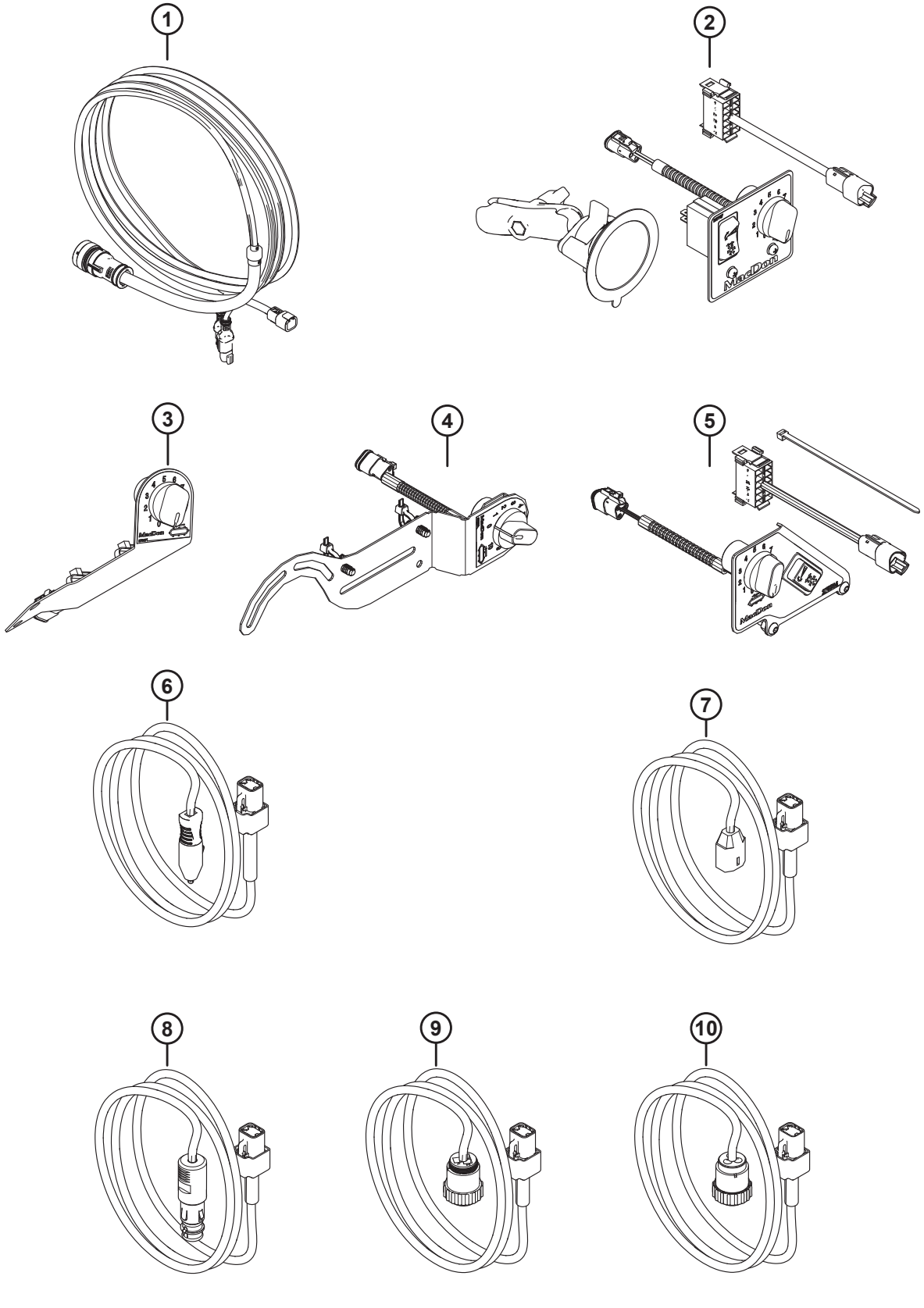
170 Electrical – Base



Ref	Part Number	Description	Qty	Serial Number
	B7196	KIT – LATERAL TILT PLUG [547]		
	B7489	**KIT – AUTO HEADER HEIGHT PLUG** [548]		
	B7490	**KIT – PASS-THRU TILT PLUG** [549]		
1	328089	HARNESS – MAIN [550]	1	
	136655	FASTENER – FIR TREE MT W/ TIE		
2	134442	SPACER – DUAL SWIVEL SADDLE	3	
3	21763	FASTENER – CABLE TIE, BLACK	A/R	
4	328318	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [551]	OPT	
	328560	PLUG – FLOAT CONFIG. 1 SENSOR (AUTO HEADER HEIGHT) [551]	OPT	
	323698	**PLUG – TILT, PASS-THRU** [551]	**OPT**	
5	322383	HARNESS – FM200 ADAPTER	1	
6	328411	MODULE – VALVE DRIVER	1	
7	REF	HARNESS – COMPLETION PACKAGE [552]		
A	134730	WASHER – LOCK, HDP 20, SIZE 24		
B	134728	NUT – PANEL, HDP 20, SIZE 24		

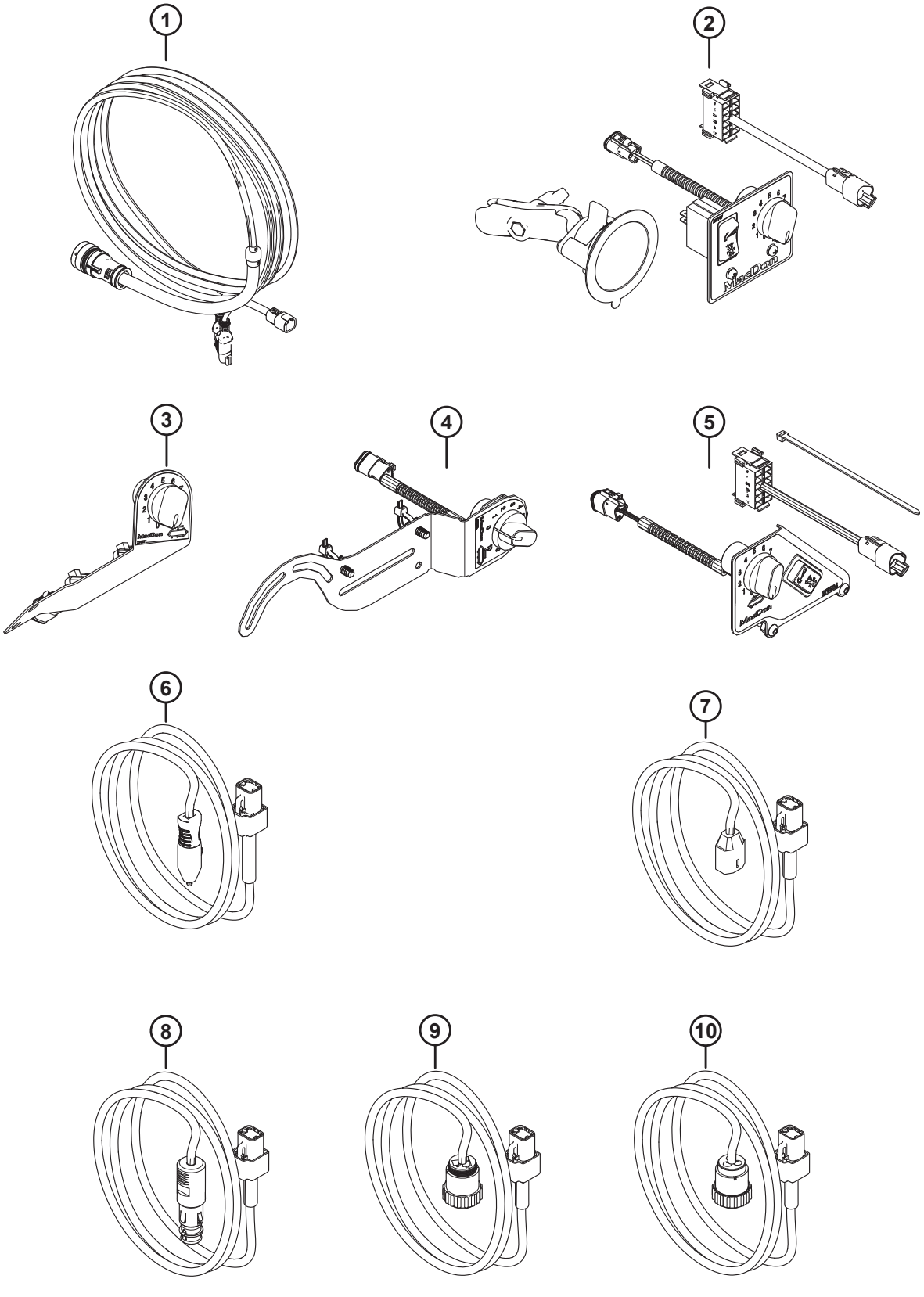
547. The kit includes lateral tilt plug (MD #328318) and instructions. Kits are available through Whole Goods only.
548. The kit includes auto header height plug (MD #328560) and instructions. Kits are available through Whole Goods only.
549. The kit includes pass-thru tilt plug (MD #323698) and instructions. Kits are available through Whole Goods only.
550. The harness comes complete with all fir tree fasteners (MD #136655) attached.
551. The float plug varies depending on the combine model and the electrical completion package required. To identify the correct float plug, refer to the electrical completion section for your specific combine.
552. The harness varies depending on the combine model and the electrical completion package required. For harness part numbers, refer to the electrical completion section for your specific combine.

171 Electrical – FM200 to Combine Cab



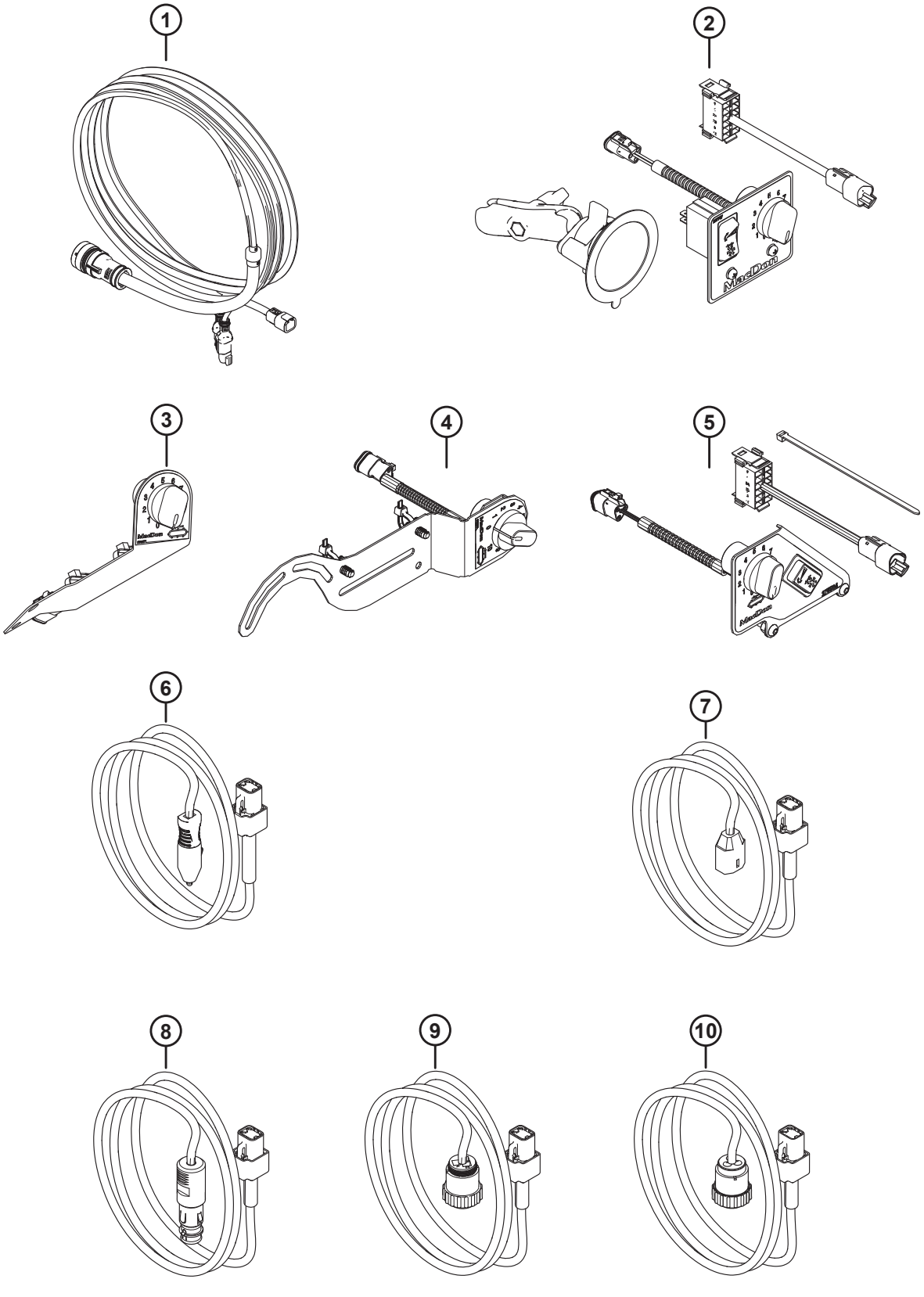
Ref	Part Number	Description	Qty	Serial Number
	B7048	KIT – FM2 TILT AND SD CONTROL, GENERIC [553]		
	B7431	KIT – CONTROL, SIDE DRAPER SPEED, CNH (2019 AND LATER)[554]		
	B7492	**KIT – FM2 TILT AND SD CONTROL, JD** [555]		
	B7506	**KIT – CNH PRE-MY19 IN-CAB CONTROLS** [556]		
	B7051	KIT – CAB POWER HARNESS, JD [557]		
	B7052	KIT – CAB POWER HARNESS, BOSCH/AUX [558]		
1	328549	KIT – CAB CONTROL [559]		
2	328550	KIT – TILT AND SIDE DRAPER CONTROL (GENERIC) [560]		
	314076	HARNESS – EXT. CAB ROCKER SW		
	287859	BASE – SUCTION CUP WITH ARM		
	NSS	CONTROL PANEL – ICSDSC, GENERIC [561]		
	213459	POTENTIOMETER – 5K [562]		
	109773	KNOB – PLASTIC [562]		
3	NSS	KIT – SIDE DRAPER CONTROL, CNH (2023 AND PRIOR) [563]		
	NSS	CONTROL PANEL, ICSDSC, CNH (2023 AND PRIOR) [564]		
	213459	POTENTIOMETER – 5K [562]		
	109773	KNOB – PLASTIC [562]		
	21763	FASTENER – CABLE TIE, BLACK		

553. The Generic FM2 Tilt and Side Draper Control kit (B7048) includes the Tilt and Side Draper Control kit (MD #328550). Kits are available through Whole Goods only.
554. The CNH Side Draper Speed Control kit for model year 2019 and later (B7431) includes the Side Draper Speed Control kit (MD #357945). Kits are available through Whole Goods only.
555. The John Deere FM2 Tilt and Side Draper Control kit (B7492) includes the Tilt and Side Draper Control kit (MD #323940). Kits are available through Whole Goods only.
556. The CNH Pre-MY19 In-Cab Controls kit (B7506) is used for all model year 2018 and prior CNH combines and includes the CNH bag assembly (MD #284900).
557. The John Deere Cab Power Harness kit (B7051) includes the John Deere Cab Power kit (MD #328554). Kits are available through Whole Goods only.
558. The Bosch/Aux Cab Power Harness kit (B7052) includes the Bosch/Aux Cab Power kit (MD #328555). Kits are available through Whole Goods only.
559. The kit includes combine cab control harness (NSS) and instructions.
560. The kit includes rocker switch harness (MD #314076), suction cup base (MD #287859), generic control panel (NSS), and instructions.
561. The generic control panel (NSS) includes generic panel (MD #287944), rocker switch (MD #287797), ball mount base (MD #287749), two screws (MD #136313), and two nuts (MD #320390).
562. The potentiometer and plastic knob are service parts for the control panel.
563. CNH Side Draper Control kit (MD #328551) has been superseded by kit (MD #357945). To service the superseded control kit, order Side Draper Speed Control kit (MD #357945).
564. CNH ICSDSC control panel (MD #276671) has been superseded by kit (MD #357945). To service the superseded control panel, order Side Draper Speed Control kit (MD #357945).


1
2
3
4
5
6
7
8
9
10
1041865

Ref	Part Number	Description	Qty	Serial Number
4	**357945**	**KIT – SIDE DRAPER SPEED CONTROL (CNH) (2019 AND LATER)**[565]		
	NSS	CONTROL – SDSC PANEL		
	213459	POTENTIOMETER – 5K [562]		
	109773	KNOB – PLASTIC [562]		
	136655	**FASTENER – FIR TREE MT W/ TIE**		
	184705	**WASHER – FLAT M6-200HV-AA1J**		
5	**323940**	**KIT – TILT AND SIDE DRAPER CONTROL (JD)** [566]		
	314076	HARNESS – EXT. CAB ROCKER SW		
	NSS	CONTROL PANEL, ICSDSC, JD [567]		
	213459	POTENTIOMETER – 5K [562]		
	109773	KNOB – PLASTIC [562]		
	21763	FASTENER – CABLE TIE, BLACK		
	136886	SCREW – HEX SOC BTN M6 X 1 X 16-10.9-AA1T		
	136771	NUT – HEX FLG TOP LOC M6 X 1-8-ZINC		
6	328553	KIT – CAB POWER AUX (AGCO) [568]		
	308941	HARNESS – EXT. CAB PWR AUX		
7	328554	KIT – CAB PWR JD [569]		
	308942	HARNESS – EXT. CAB PWR JD		
8	**328555**	**KIT – CAB POWER BOSCH/AUX (CNH AND CLAAS)** [570]		
	NSS	HARNESS – EXT. CAB PWR BOSCH/AUX		
9	NSS	KIT – CAB POWER CPC NA (CNH) [571]		
	NSS	HARNESS – EXT. CAB PWR CPC [572]		
10	NSS	KIT – CAB PWR CPC EU [573]		
	NSS	HARNESS – EXT. CAB PWR CPC EU [574]		
	337611	BAG ASSY – CBN CONTROL CLAAS [575]		
	NSS	BAG ASSY – CBN CONTROL CNH NA [576]		

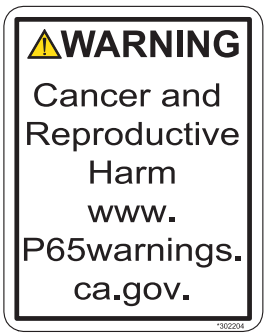
565. The kit includes SDSC control panel (NSS), two fasteners (MD #136655), two washers (MD #184705), and instructions.
566. The kit includes JD ICSDSC control panel (NSS), rocker switch harness (MD #314076), cable tie (MD #21763), two screws (MD #136886), two nuts (MD #136771), and instructions.
567. The JD control panel (NSS) includes JD panel (MD #287945) and rocker switch (MD #287797).
568. The kit includes cab power harness (MD #308941) and instructions.
569. The kit includes John Deere cab power harness (MD #308942) and instructions.
570. The kit includes Bosch/Aux cab power harness (NSS) and instructions.
571. North American CNH CPC Cab Power kit (MD #328552) has been superseded by kit (MD #328555). To service the superseded cab power kit, order Bosch/Aux Cab Power kit (MD #328555).
572. CPC cab power harness (MD #308684) has been superseded by kit (MD #328555). To service the superseded power harness, order Bosch/Aux Cab Power kit (MD #328555).
573. European CNH CPC Cab Power kit (MD #335287) has been superseded by kit (MD #328555). To service the superseded cab power kit, order Bosch/Aux Cab Power kit (MD #328555).
574. CPC cab power harness (MD #328561) has been superseded by kit (MD #328555). To service the superseded power harness, order Bosch/Aux Cab Power kit (MD #328555).
575. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #328550), Bosch/Aux Cab Power kit (MD #328555), conduit (MD #293108), locking clip (MD #500454), cable ties (MD #21763, MD #30753), plug (MD #287784), and cable tie mounts (MD #305330).
576. The North American CNH bag assembly (MD #337617) has been superseded by CNH bag assembly (MD #284900). To service the superseded bag assembly, order CNH bag assembly (MD #284900).

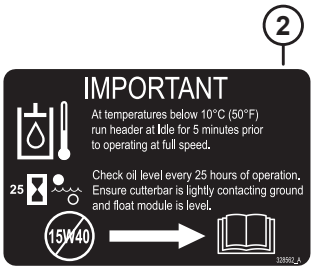

1
2
3
4
5
6
7
8
9
10
1041865

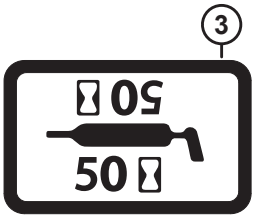
Ref	Part Number	Description	Qty	Serial Number
	NSS	BAG ASSY – CBN CONTROL CNH EU [577]		
	337619	BAG ASSY – CBN CONTROL JD [578]		
	337627	BAG ASSY – CBN CONTROL AGCO [579]		
	284900	**BAG ASSY – IN-CAB CONTROL CNH** [580]		
	NSS	KIT – IN-CAB ADAPTER AND MODULE [581]		

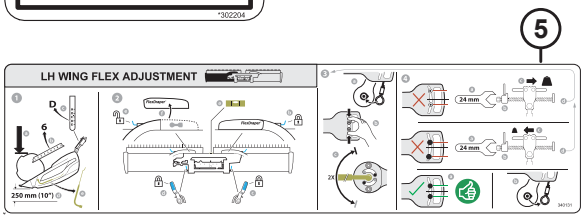
577. The European CNH bag assembly (MD #337618) has been superseded by CNH bag assembly (MD #284900). To service the superseded bag assembly, order CNH bag assembly (MD #284900).
578. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #323940), John Deere Cab Power kit (MD #328554), conduit (MD #293108), cable ties (MD #21763, MD #30753), and cable tie mounts (MD #305330).
579. The bag assembly includes Cab Control kit (MD #328549), Tilt and Side Draper Control kit (MD #328550), Bosch/Aux Cab Power kit (MD #328555), cable ties (MD #21763, MD #30753), and cable tie mounts (MD #305330).
580. The bag assembly includes Cab Control kit (MD #328549), Side Draper Speed Control kit (MD #357945), Bosch/Aux Cab Power kit (MD #328555), cable ties (MD #21763, MD #30753), cable tie mounts (MD #305330), and In-Cab Adapter and Module kit (NSS).
581. The In-Cab Adapter and Module kit (NSS) used for all model year 2018 and prior CNH combines and include cab adapter harness (MD #322383), valve driver module (MD #328411), lock washer (MD #134730), and panel nut (MD #134728). Refer to Section *170 Electrical – Base, page 401* for component locations.

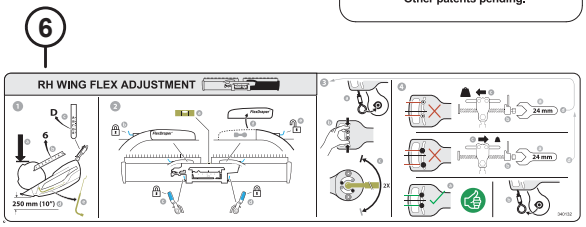
172 Decals and Reflectors – FM200

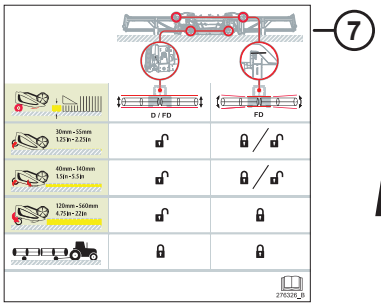


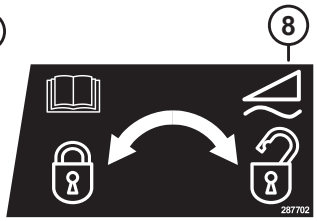


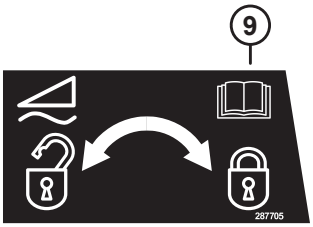


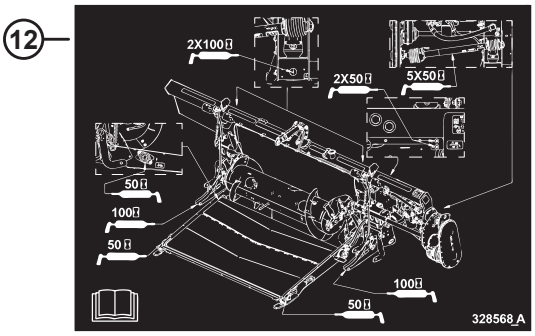


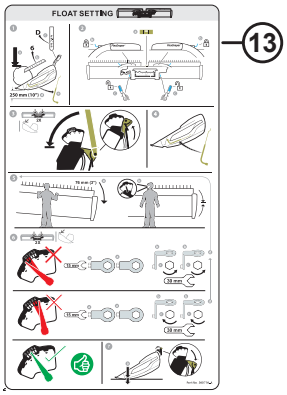


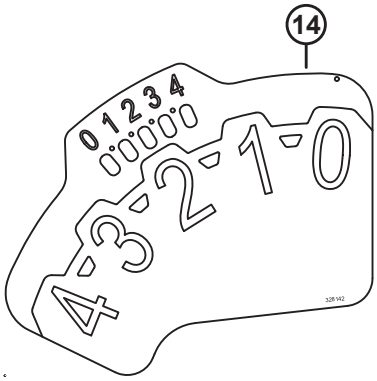










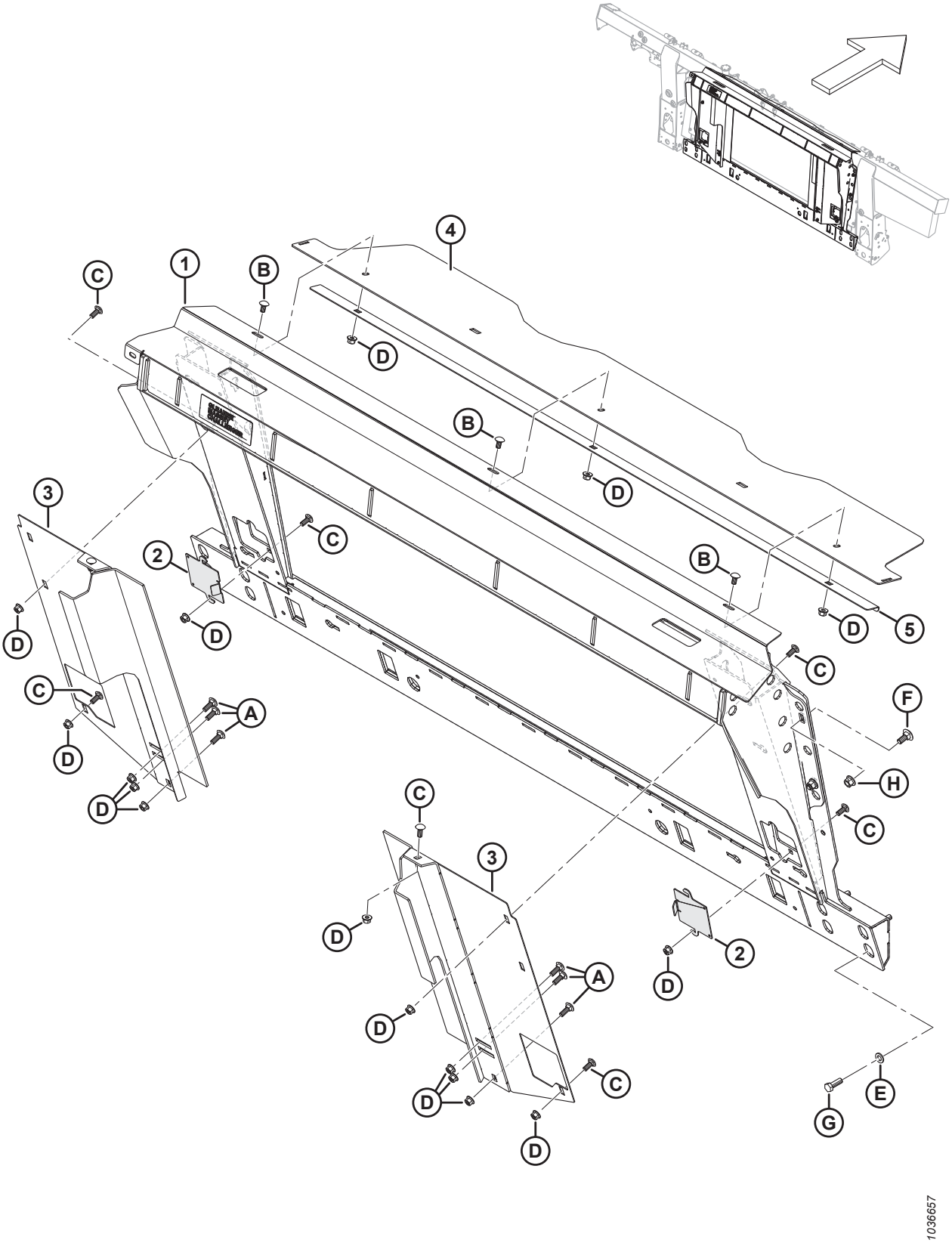


1039342

Ref	Part Number	Description	Qty	Serial Number
1	302204	DECAL – CA PROPOSITION 65		
2	328562	DECAL – OIL, IMPORTANT		
3	23165	DECAL – 50 HR LUBE		
	23163	DECAL – 10 HR LUBE		
4	32070	DECAL – PATENT NUMBER		
5	340131	DECAL – LH FLEX SETTING		
6	340132	DECAL – RH FLEX SETTING		
7	276326	DECAL – HEADER ADJUSTMENT		
8	287702	DECAL – FLOAT LOCK, LH		
9	287705	DECAL – FLOAT LOCK, RH		
10	328565	DECAL – OIL DRAIN		
11	313728	DECAL – READ MANUAL/FLUID SPRAY		
12	347342	DECAL – GREASE FM200		
13	**360716**	**DECAL – FLOAT SETTING** [582]		
	368631	**DECAL – FLOAT SETTING** [583]		
14	328142	DECAL – FSM		
15	360655	DECAL – SAFETY RETURN WRENCH		
16	174131	STRIP – ANTI SLIP, 250 MM LG		
	132117	STRIP – ANTI SLIP, 450 MM LG		
	140225	STRIP – ANTI SLIP, 550 MM LG		
17	115146	REFLECTOR – AMBER		

582. For model year 2023 and prior.
583. For model year 2024 and later.

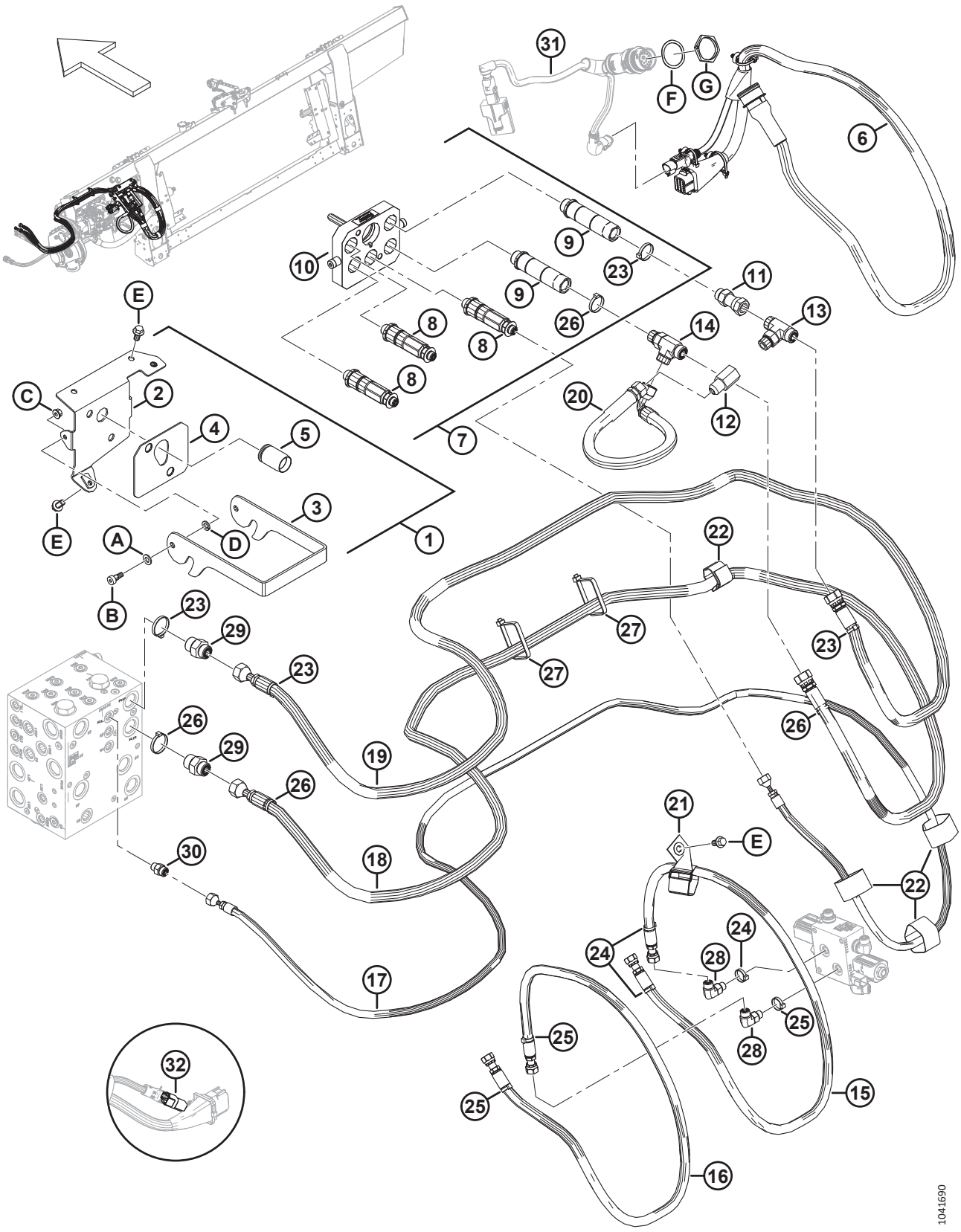
173 Challenger®, Massey Ferguson®, and Gleaner® – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7313	KIT – GMC TRANSITION FRAME [584]		
1	347480	FRAME – GMC W/ DECAL	1	
2	347431	DOOR – ACCESS	2	
3	337862	FILLER – LH WELDT	1	
	337863	FILLER – RH WELDT	1	
4	357195	COVER – FEED AUGER TOP	1	
5	301629	RETAINER – DUST COVER	1	
A	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
B	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
C	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	184714	WASHER – FLAT REG M12-300HV		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

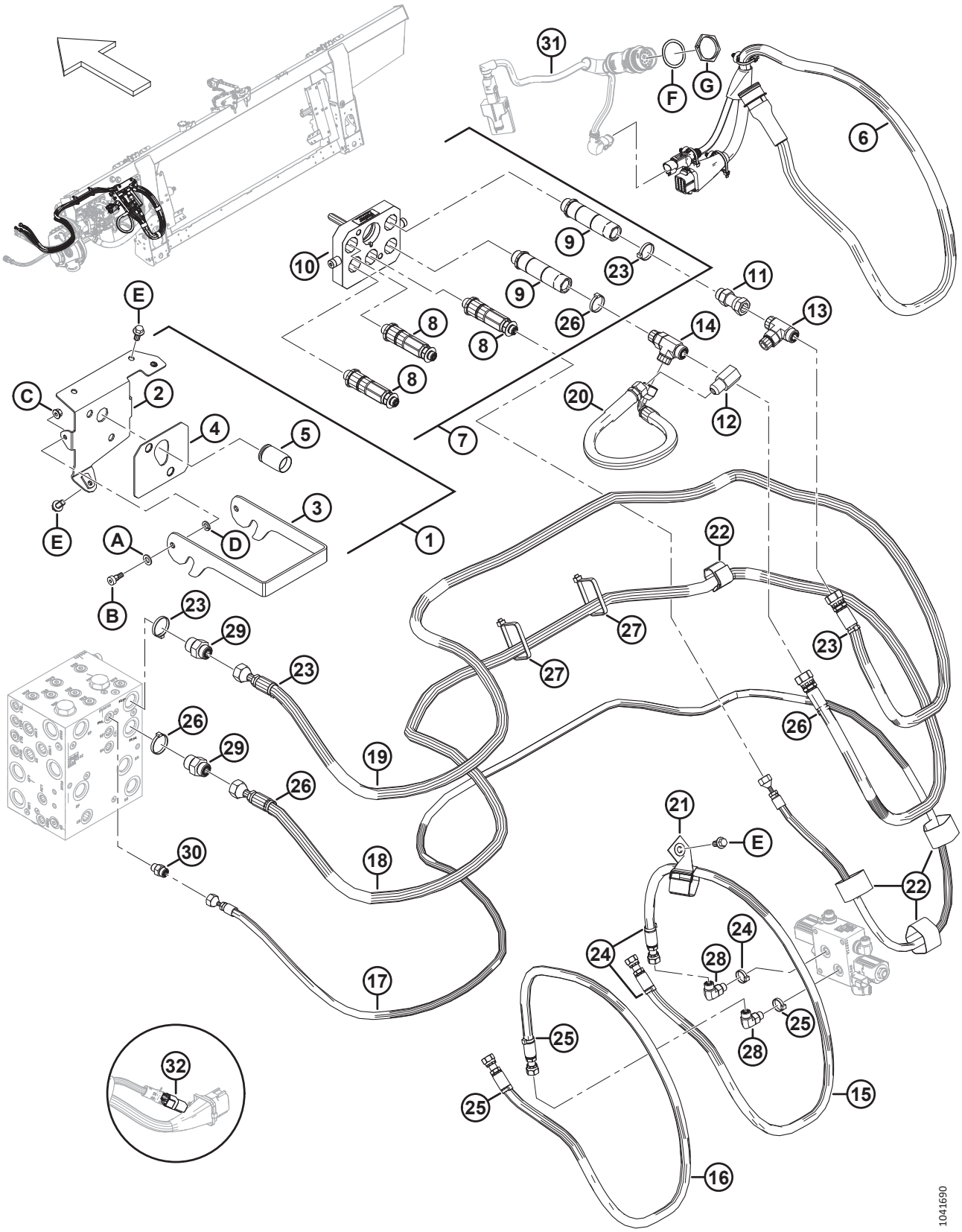
584. Kits are available through Whole Goods only.

174 Challenger®, Massey Ferguson®, and Gleaner® – Hydraulic/ Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7165	KIT – GLNR/MSSY/CHLNGR HYD ELEC COMP [585]		
1	328872	ASSEMBLY – MCPLR MOUNT AGCO	1	
2	308249	WELDT – COUPLER SUPPORT, AGCO	1	
3	248960	LATCH – COUPLER BRACKET	1	
4	187018	PAD – RUBBER	1	
5	129148	PLUG – RUBBER	1	
6	322386	HARNESS – COMP., AGCO	1	
7	279737	COUPLING – MULTI AGCO 5-POS	1	
8	279011	KIT – COUPLER, 3/8 C/W 3/8 FTG	3	
	279034	SEAL – SHAPED, 3/8 IN.		
9	279012	KIT – COUPLER, 9/16 C/W 5/8 FTG	2	
	279035	SEAL – SHAPED, 9/16 IN.		
10	294098	KIT – COUPLER PLATE ASSY, AGCO		
11	252650	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
12	187031	VALVE – CHECK	1	
13	136181	FITTING – BRANCH TEE HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
14	135598	FITTING – TEE HYD STR THD O-RING	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
15	308255	HOSE – HYD, REEL FORE AGCO	1	
16	308254	HOSE – HYD, REEL AFT AGCO	1	
17	308253	HOSE – HYD, REEL LIFT AGCO	1	
18	308252	HOSE – HYD, REEL RET AGCO	1	
19	308251	HOSE – HYD, REEL PRESS AGCO	1	
20	287878	HOSE – HYD, REEL BYPASS	1	
21	163598	CINCH STRAP, HANGING, 6 IN. LG	1	
22	135444	CINCH STRAP 6 IN. LG	4	
23	49232	FASTENER – CABLE TIE, WHITE	4	
24	49227	FASTENER – CABLE TIE, GREEN	3	
25	40702	FASTENER – CABLE TIE, RED	3	
26	40701	FASTENER – CABLE TIE, YELLOW	4	
27	30753	FASTENER – CABLE TIE, BLACK	2	
28	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		

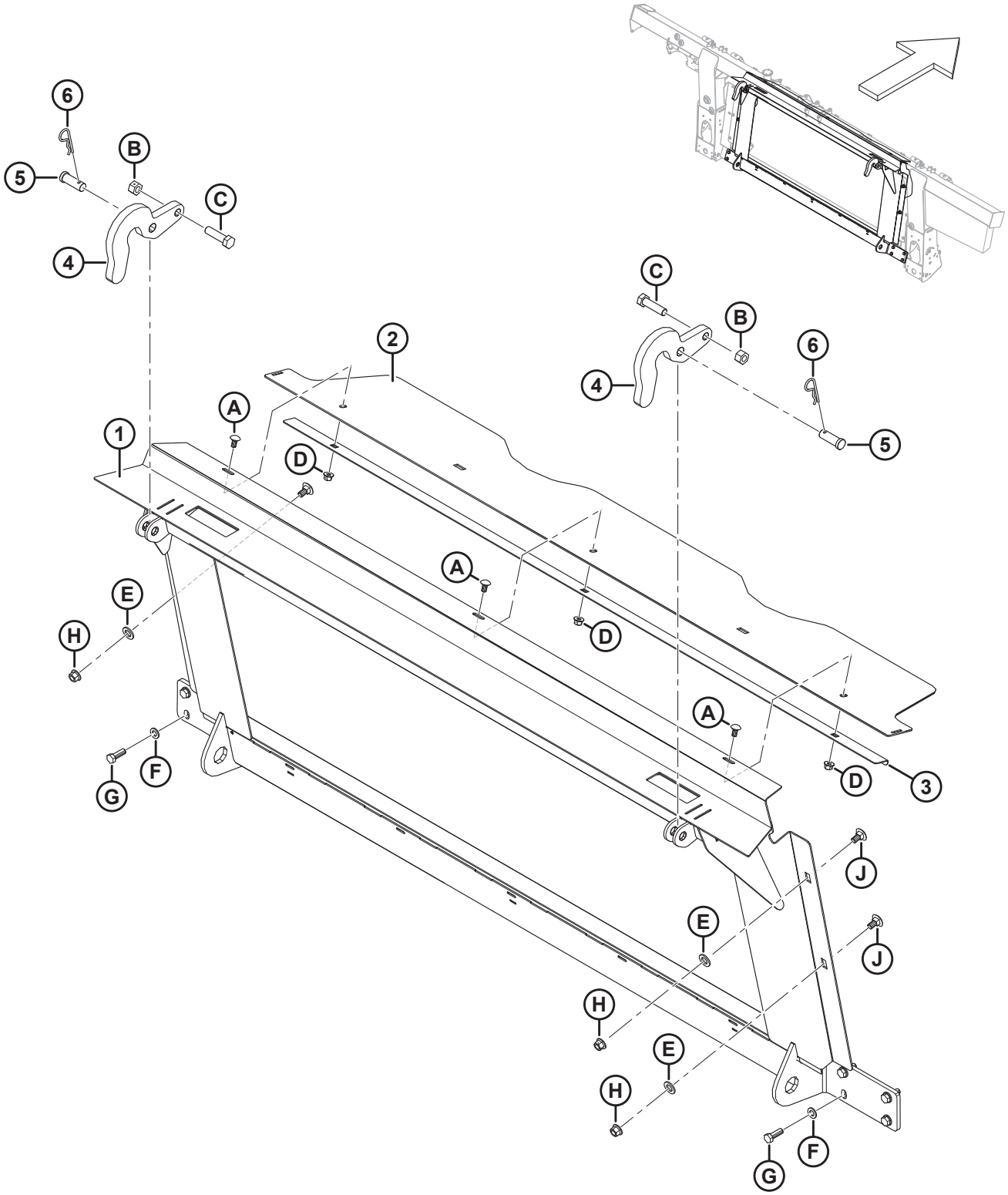
585. Kits are available through Whole Goods only.


31
F
G
6
9
10
23
11
9
26
13
E
8
14
8
C
2
20
12
8
4
5
7
3
E
A
D
1
22
B
23
29
27
23
27
23
26
26
29
19
26
21
E
30
18
22
24
24
28
24
28
25
25
17
25
15
32
16
1041690

Ref	Part Number	Description	Qty	Serial Number
29	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
30	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
31	REF	HARNESS – CAB ADAPTER [586]	1	
	REF	MODULE – VALVE DRIVER [586]	1	
32	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [587]	1	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	135894	SCREW – HEX SOC HD SHLDR M10		
C	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
D	30632	WASHER – LOCK SPRING M10		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X20-8.8-AA1J		
F	**134730**	**WASHER – LOCK, HDP 20, SIZE 24**		
G	**134728**	**NUT – PANEL, HDP 20, SIZE 24**		

586. For the adapter harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*.
587. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for Challenger®, Massey Ferguson®, and Gleaner® combines, but it is NOT included in the completion package (B7165). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.

175 IDEAL™ Series – Float Module Completion

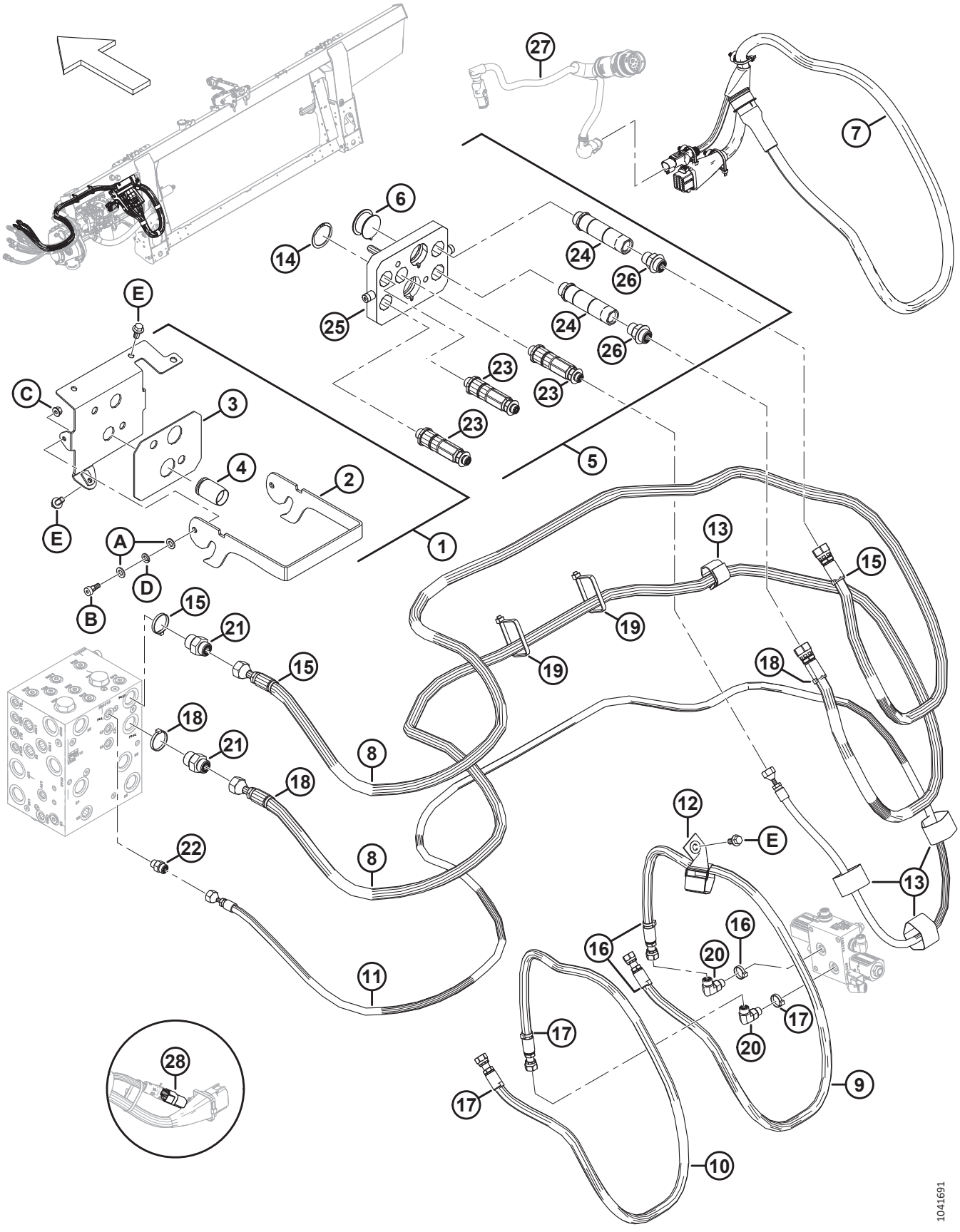


1034854

Ref	Part Number	Description	Qty	Serial Number
	B7107	KIT – IDEAL TRANSITION FRAME [588]		
1	314678	FRAME – IDEAL TRANSITION W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	301451	SUPPORT – HOOK	2	
5	158080	PIN – CLEVIS	2	
6	13125	PIN – HAIR	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	136476	NUT – HEX CTR LOC M16 X 2-8		
C	136141	BOLT – HEX HD M16 X 2 X 60-8.8-AA1J		
D	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
E	184717	WASHER – FLAT REG M16-200HV-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		
G	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
H	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
J	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		

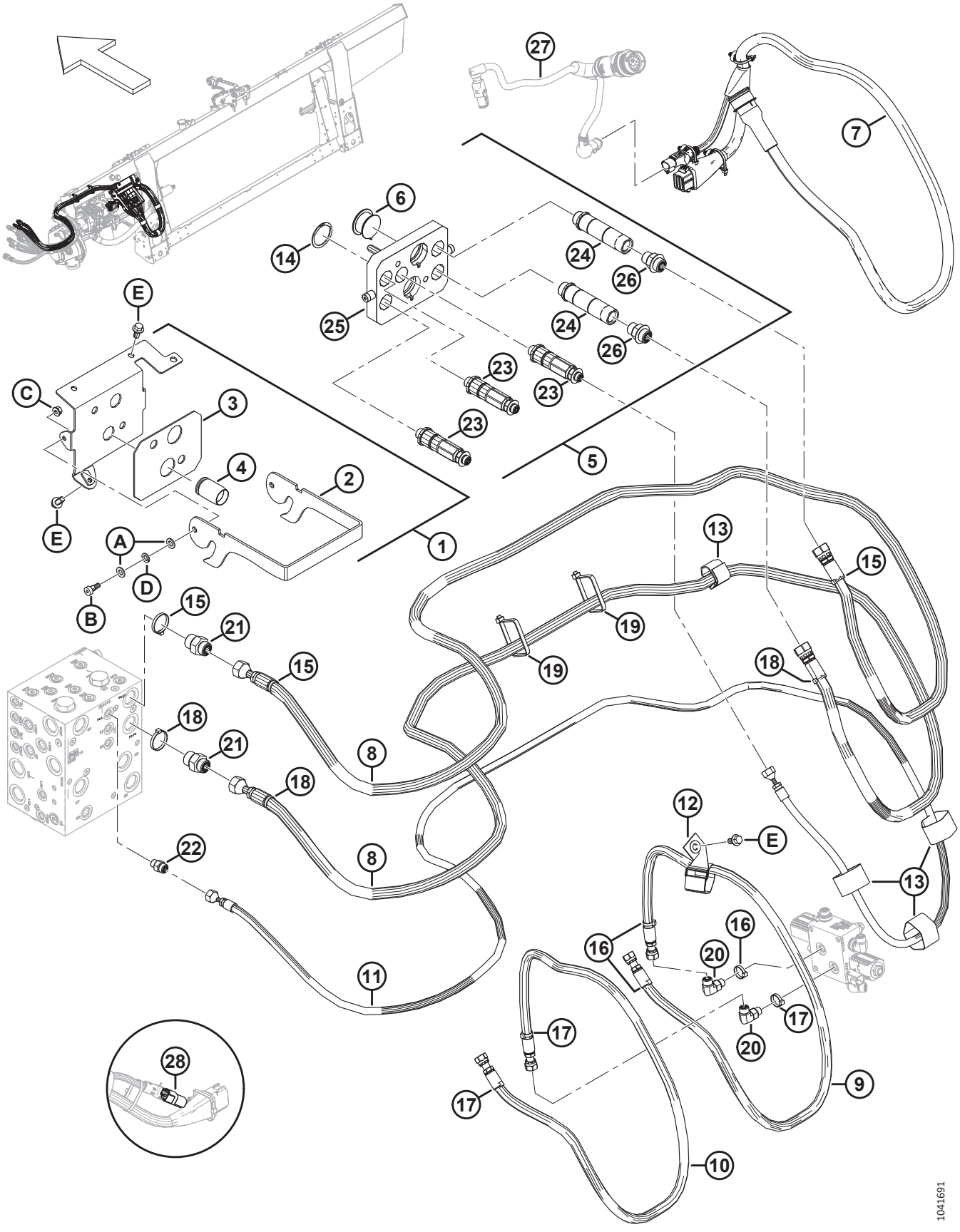
588. Kits are available through Whole Goods only.

176 IDEAL™ Series – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7109	KIT – IDEAL HYD ELEC COMPLETION [589]		
1	337981	ASSEMBLY – MULTI CPLR MOUNT	1	
2	337980	LATCH – MULTICOUPLER	1	
3	302030	PAD – RUBBER	1	
4	129148	PLUG – RUBBER	1	
5	335008	COUPLING – MULTI, AGCO 5-POS	1	
6	328968	CAP – HD34 PLUG	1	
7	328908	HARNESS – COMP., IDEAL	1	
8	328887	HOSE – HYD, REEL DRIVE IDEAL	2	
9	308255	HOSE – HYD, REEL FORE AGCO	1	
10	308254	HOSE – HYD, REEL AFT AGCO	1	
11	308253	HOSE – HYD, REEL LIFT AGCO	1	
12	163598	CINCH STRAP, HANGING, 6 IN. LG	1	
13	135444	CINCH STRAP 6 IN. LG	4	
14	135267	RING – INVERTED EXT RETAINING	1	
15	49232	FASTENER – CABLE TIE, WHITE	3	
16	49227	FASTENER – CABLE TIE, GREEN	3	
17	40702	FASTENER – CABLE TIE, RED	3	
18	40701	FASTENER – CABLE TIE, YELLOW	3	
19	30753	FASTENER – CABLE TIE, BLACK	2	
20	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
21	135786	FITTING – ADAPTER	2	
	30971	O-RING – Ø2.95 X Ø23.47		
	135867	O-RING – Ø1.78 X Ø15.60		
22	135778	FITTING – ADAPTER	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
23	279011	KIT – COUPLER, 3/8 C/W 3/8 FTG	3	
	279034	SEAL – SHAPED, 3/8 IN.		
24	279012	KIT – COUPLER, 9/16 C/W 5/8 FTG	2	
	279035	SEAL – SHAPED, 9/16 IN.		
25	294394	KIT – COUPLER PLATE ASSY, AGCO	1	

589. Kits are available through Whole Goods only.

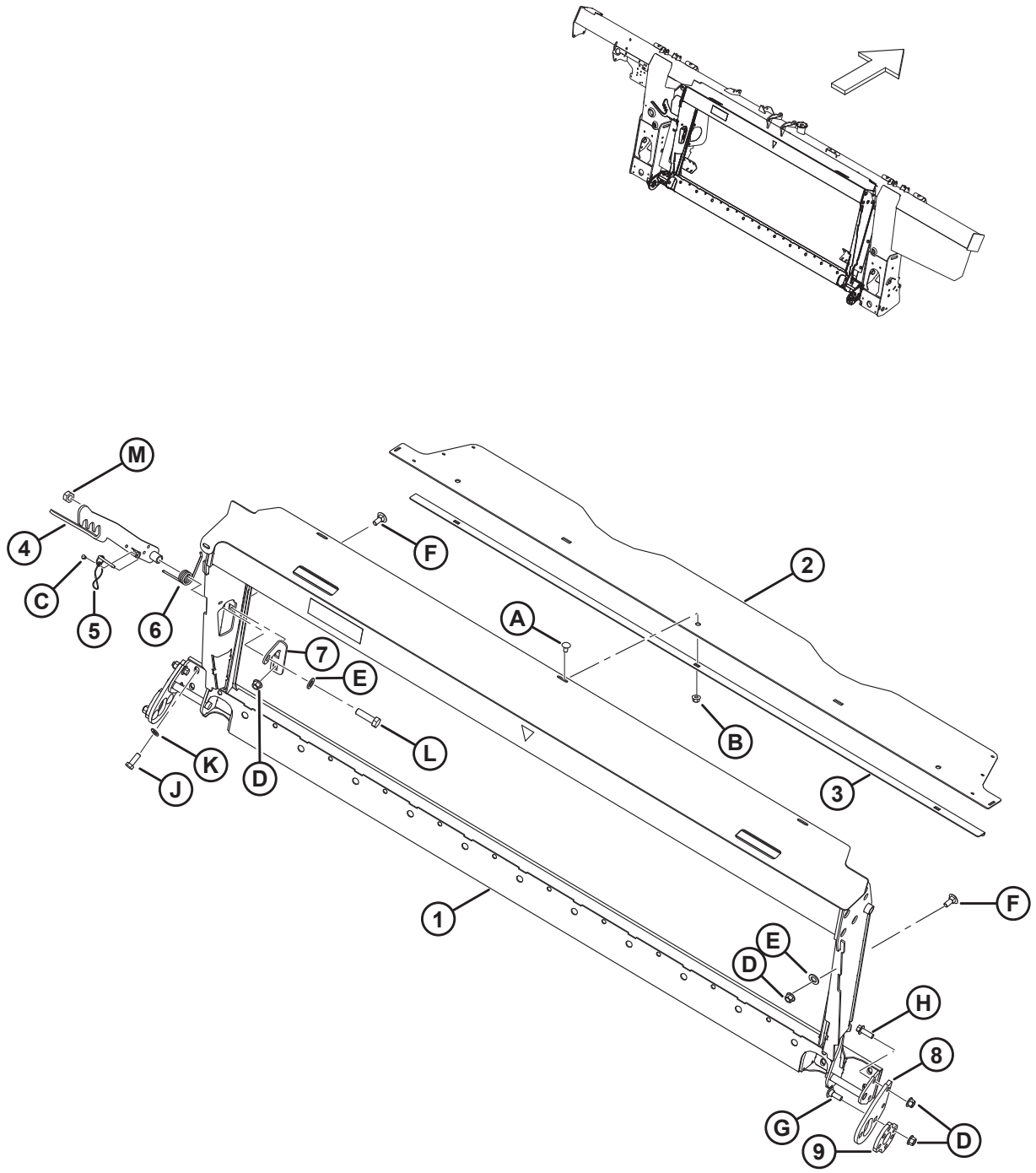

1041691

Ref	Part Number	Description	Qty	Serial Number
26	184461	FITTING – ADAPTER	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135867	O-RING – Ø1.78 X Ø15.60		
27	REF	HARNESS – CAB ADAPTER [590]	1	
28	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [591]	1	
A	184711	WASHER – FLAT REG M10-200HV-AA1J		
B	135894	SCREW – HEX SOC HD SHLDR M10		
C	135337	NUT – HEX FLG CTR LK M8 X1.25-8-AA1J		
D	30632	WASHER – LOCK SPRING M10		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

590. For the harness, refer to Section *170 Electrical – Base, page 401*.

591. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for IDEAL™ Series combines, but it is NOT included in the completion package (B7109). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.

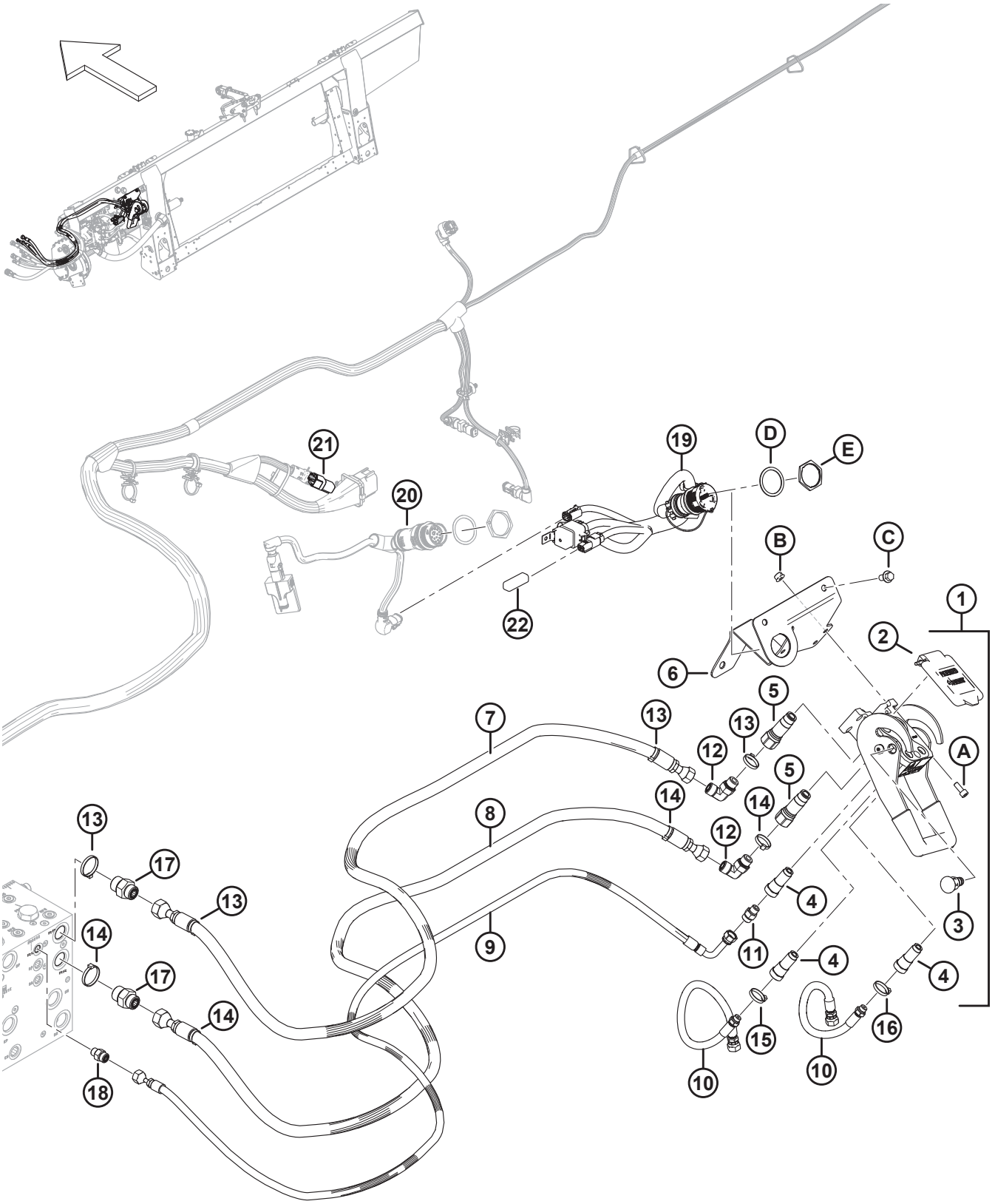
177 Case IH – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7043	**KIT – CNH TRANSITION FRAME** [592]		
1	**357567**	**ASSY – CNH TRANSITION W/ DECAL**	**1**	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347141	LATCH – WELDT	1	
5	237363	PIN – DETENT WITH 8 IN. LANYARD	1	
6	156948	SPRING – TORSION	1	
7	**357606**	**SUPPORT – BOLT MOUNT**	**1**	
8	**284976**	**SUPPORT – ANCHOR MOUNT**	**2**	
9	**284971**	**PLATE – ADJUSTMENT**	**2**	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	**113799**	**RIVET – POP**		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	**184717**	**WASHER – FLAT REG M16-200HV-AA1J**		
F	**184667**	**BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC**		
G	**136291**	**BOLT – RHSN TFL M12 X 1.75 X 35-8.8-ZINC**		
H	**152731**	**BOLT – HEX FLG HD TFL M12 X 1.75 X 35-10.9-ZINC**		
J	**152730**	**BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J**		
K	184714	WASHER – FLAT REG M12-300HV		
L	**136717**	**BOLT – HEX HD M16 X 2 X 55-10.9**		
M	**320208**	**NUT – HEX CTR LOCK M16 X 2-12-ZINC**		

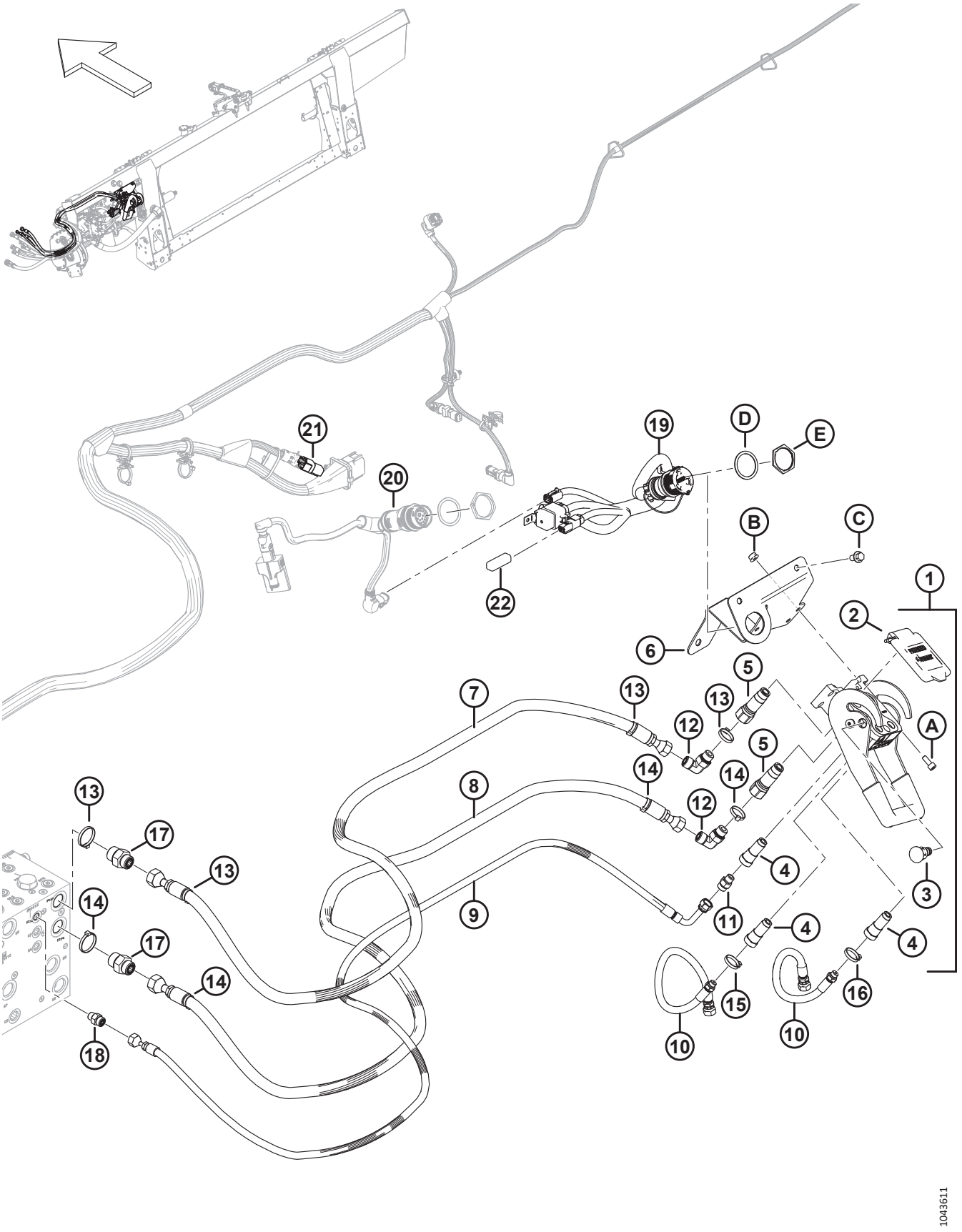
592. Kits are available through Whole Goods only.

178 Case IH – Hydraulic/Electrical Completion



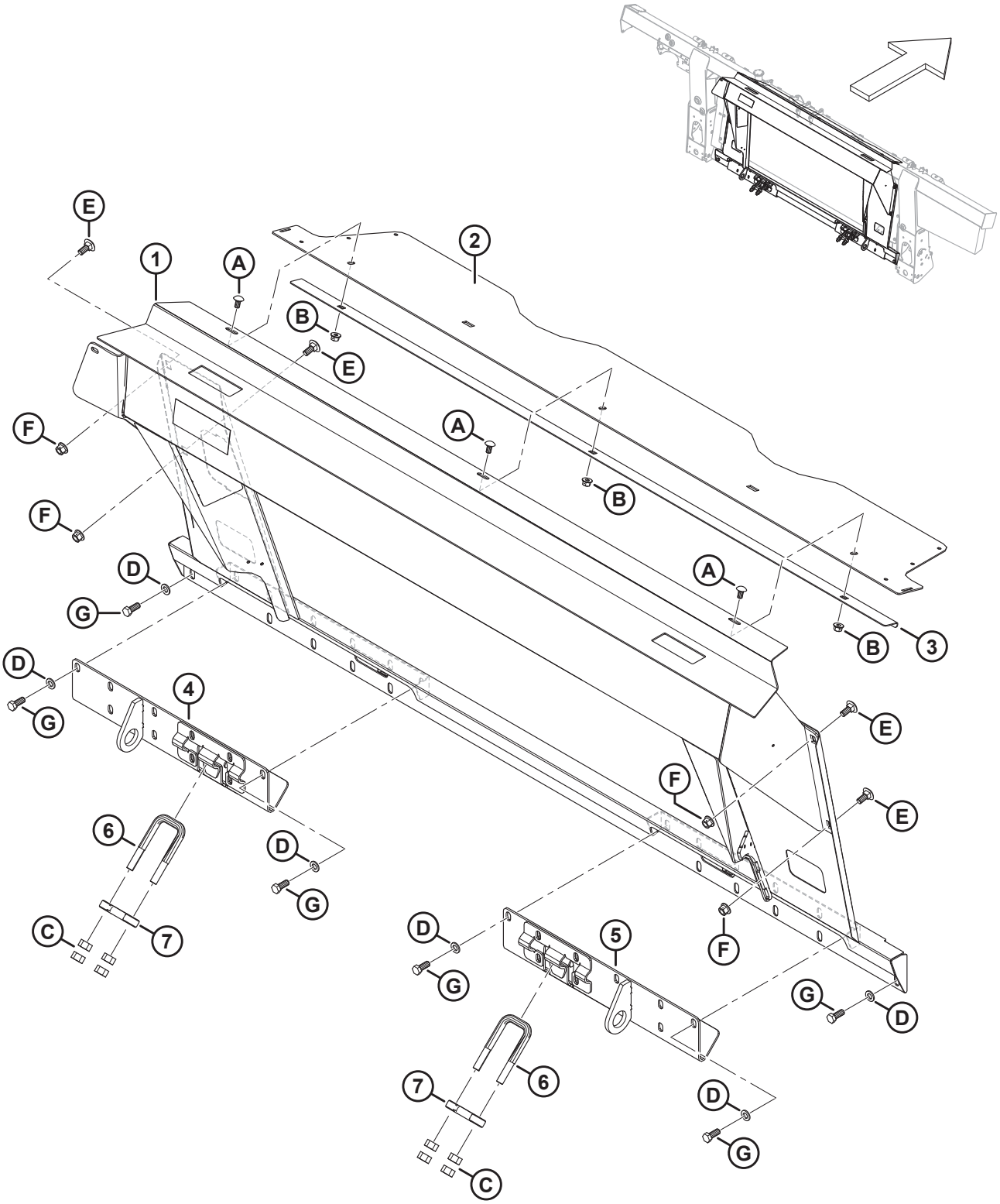
Ref	Part Number	Description	Qty	Serial Number
	B7507	**KIT – CNH HYD ELEC COMPLETION** [593]		
1	153151	COUPLING – MULTI [594]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	**368376**	**HARNESS – COMP., CNH INT**	**1**	
20	REF	HARNESS – CAB ADAPTER [595]	1	
	REF	MODULE – VALVE DRIVER [595]	1	
	REF	WASHER – LOCK, HDP 20, SIZE 24 [595]	1	
	REF	NUT – PANEL, HDP 20, SIZE 24 [595]	1	
21	REF	PLUG – TILT, PASS THRU [596]	1	
22	**349362**	**PLUG – SW PWR TRANSISTOR**	**1**	
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		

593. Kits are available through Whole Goods only.
594. The multicoupler includes CNH multi-coupler cover kit (MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
595. For the harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*; required for model year 2018 and prior machines only.
596. The pass-thru tilt plug (MD #323698) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for Case combines, but it is NOT included in the completion package (B7507). To order the pass-thru tilt plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
A
B
C
D
E
1043611

Ref	Part Number	Description	Qty	Serial Number
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

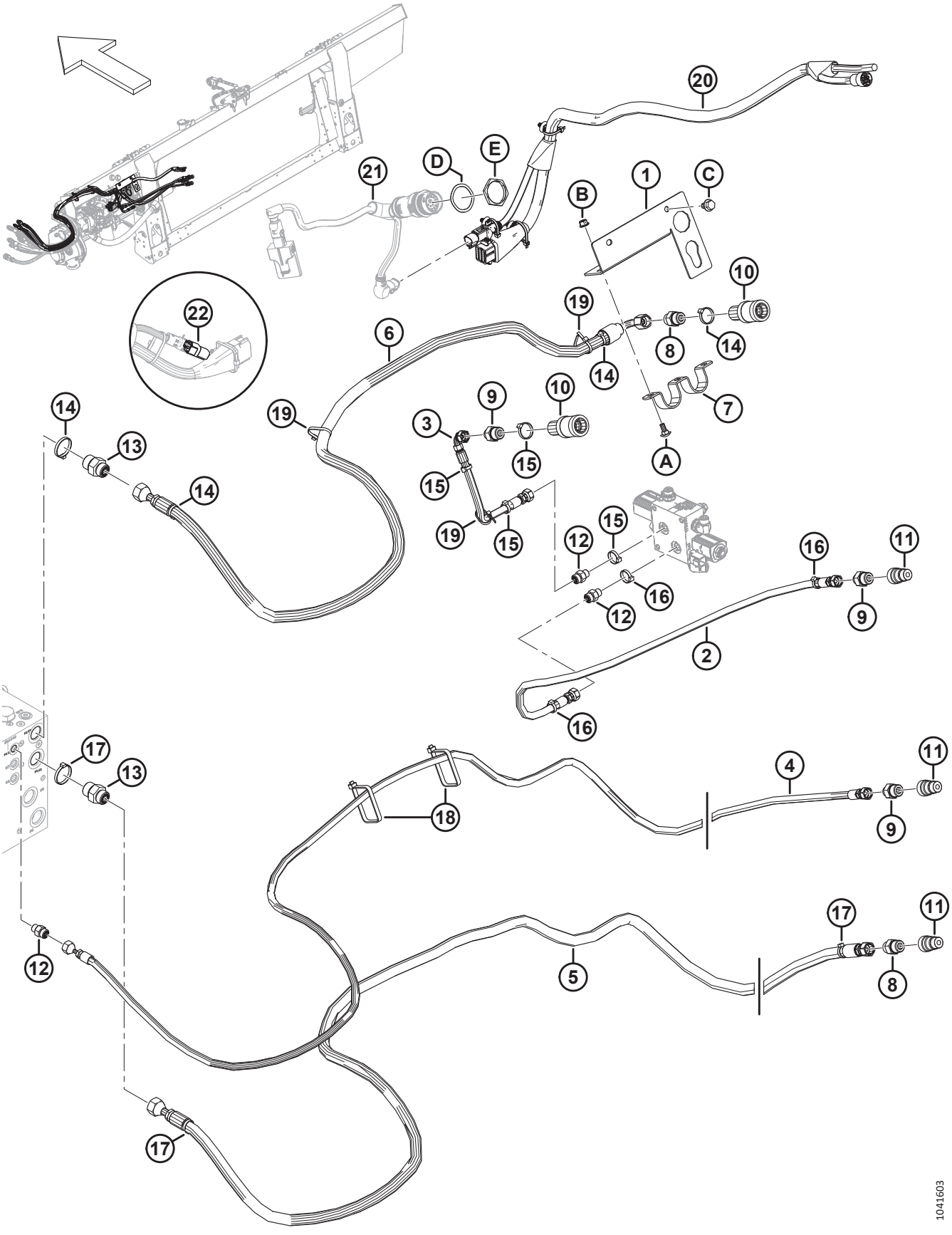
179 Case IH 2300/2500 Series – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7315	KIT – CIH 23/25 TRANSITION FRAME [597]		
1	347731	FRAME – CIH W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347964	ANCHOR – WELDT LH	1	
5	347965	ANCHOR – WELDT RH	1	
6	133242	BOLT – U	2	
7	133241	LATCH – 2300 SERIES COMBINE	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	18592	NUT – HEX 5/8-11 UNC-GR 5-ZINC		
D	184714	WASHER – FLAT REG M12-300HV		
E	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
F	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
G	30630	BOLT – HEX HD TFL M12 X 1.75 X 30-8.8-A3L		

597. Kits are available through Whole Goods only.

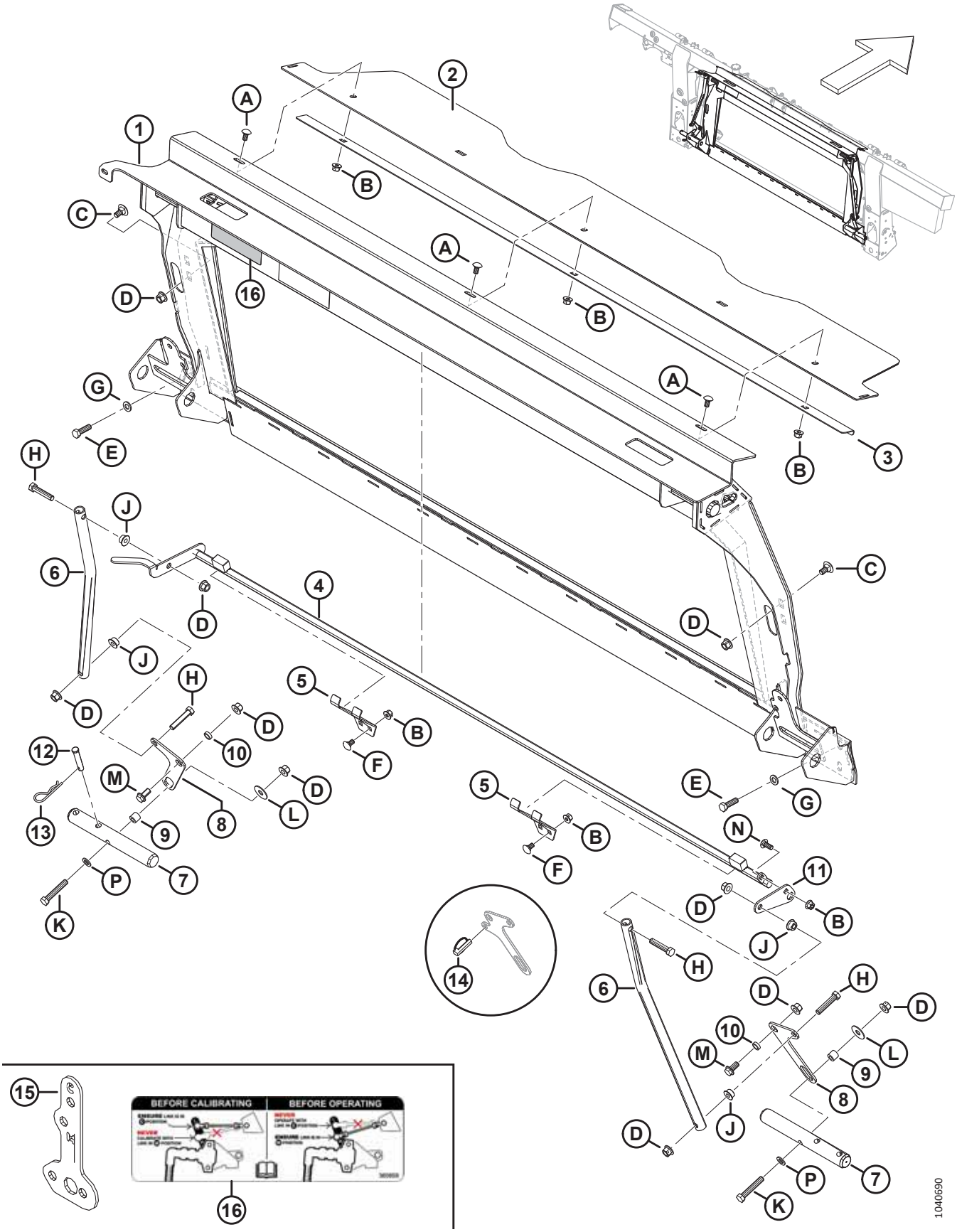
180 Case IH 2300/2500 Series – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7316	KIT – CIH 23/25 HYD/ELEC [598]		
1	347796	SUPPORT – CONNECTOR	1	
2	323387	HOSE – HYD	1	
3	323386	HOSE – HYD	1	
4	323385	HOSE – HYD	1	
5	323384	HOSE – HYD	1	
6	323383	HOSE – HYD	1	
7	322695	HOLDER	1	
8	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – 2.46 X 19.18		
	135866	O-RING – 1.78 X 12.42		
9	184462	FITTING – ADAPTER HYD	3	
10	114143	FITTING – COUPLING HYD	2	
11	114142	FITTING – COUPLING HYD	3	
12	135778	FITTING – ADAPTER	3	
	50219	O-RING – 1.98 X 11.89		
	135865	O-RING – 1.78 X 9.25		
13	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
14	49232	FASTENER – CABLE TIE, WHITE	4	
15	49227	FASTENER – CABLE TIE, GREEN	4	
16	40702	FASTENER – CABLE TIE, RED	3	
17	40701	FASTENER – CABLE TIE, YELLOW	3	
18	30753	FASTENER – CABLE TIE, BLACK	2	
19	21763	FASTENER – CABLE TIE, BLACK	3	
20	335663	HARNESS – COMP CIH 23XX/25XX	1	
21	REF	HARNESS – CAB ADAPTER [599]	1	
	REF	MODULE – VALVE DRIVER [599]	1	
22	REF	PLUG – FLOAT CONFIG. 1 SENSOR (AUTO HEADER HEIGHT) [600]	1	
A	197171	BOLT – RHSN M8 X 1.25 X 20-8.8-ZINC		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	**134730**	**WASHER – LOCK, HDP 20, SIZE 24**		
E	**134728**	**NUT – PANEL, HDP 20, SIZE 24**		

598. Kits are available through Whole Goods only.
599. For the adapter harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*.
600. The auto header height float plug (MD #328560) connects to the float module's main harness at P600. The float plug is required when converting from the incomplete configuration or from machines configured for Case combines, but it is NOT included in the completion package (B7316). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.

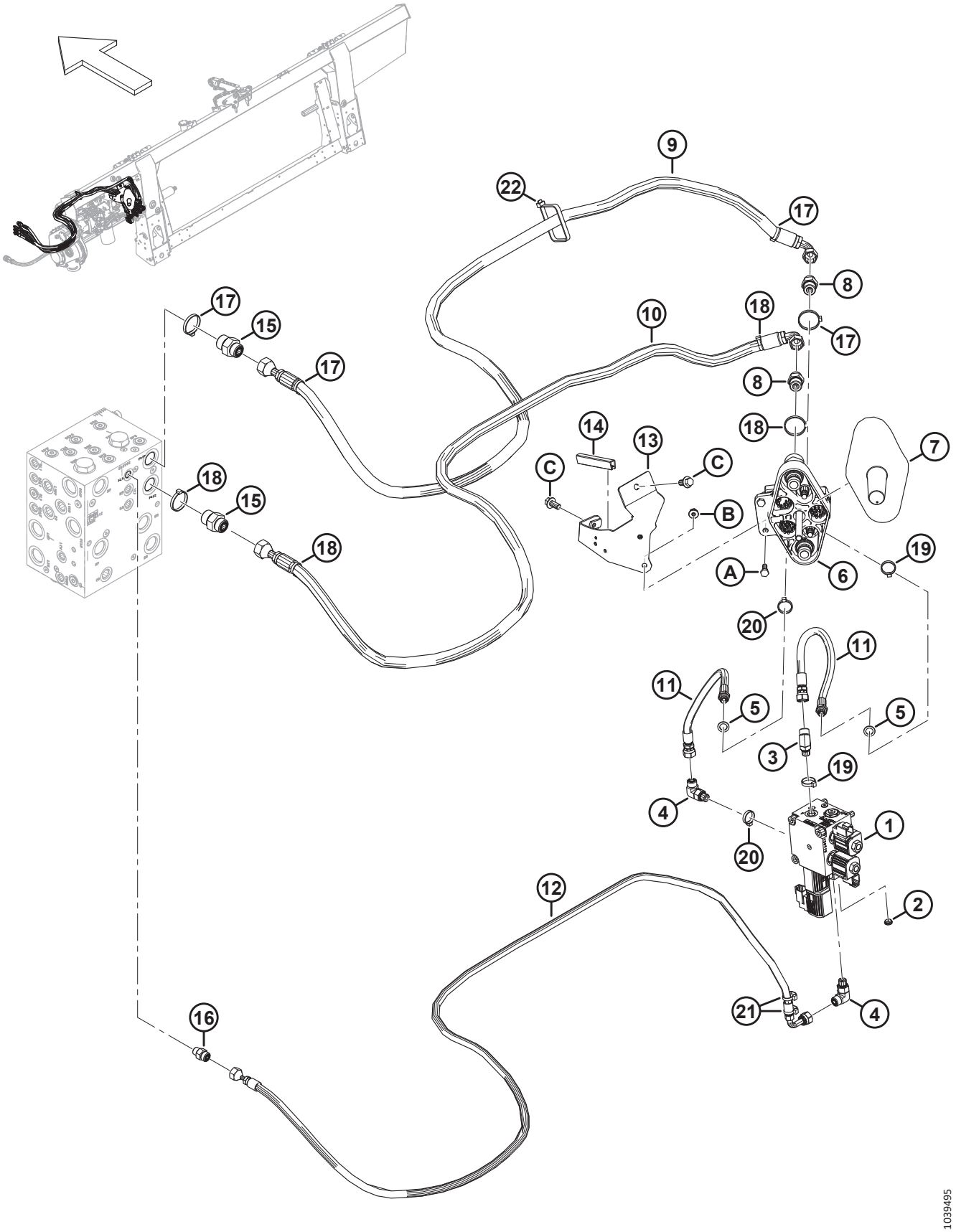
181 CLAAS – Float Module Completion



Ref	Part Number	Description	Qty	Serial Number
	B7045	KIT – CLAAS TRANSITION FRAME [601]		
1	347077	FRAME – CLAAS TRNSN W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	**335849**	**LATCH – WELDMENT**	**1**	
5	245246	SUPPORT – LOCK KEEPER	2	
6	156783	TUBE – LINK	2	
7	133138	SHAFT	2	
8	304669	LEVER – PIVOT	2	
9	337043	BUSHING – M12 THREADED	2	
10	133439	SPACER – 0.75 OD X 0.120 IN WALL	2	
11	328582	LEVER	1	
12	19809	PIN – CLEVIS	1	
13	13125	PIN – HAIR	1	
14	113561	PIN – LYNCH [602]	A/R	
15	357776	ARM – CLAAS FORE/AFT CENTER LINK	1	
16	360859	DECAL – CLAAS TILT SENSOR LINK	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
F	136178	BOLT – RHSN M10 X 1.5 X 20-8.8-AA1J		
G	184714	WASHER – FLAT REG M12-300HV		
H	237316	BOLT – HEX HD TFL M12 X 1.75 X 60-8.8-AA1J		
J	136036	NUT – HEX SM FLG M12 X 1.75-8-AA1J		
K	184675	BOLT – HEX HD M12 X 1.75 X 70-8.8-AA1J		
L	32247	WASHER – FLAT		
M	136625	BOLT – HEX SER FLG HD M12 X 1.75 X 25 X SPCL-100-AA1J		
N	136506	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
P	184714	WASHER – FLAT REG M12-300HV		

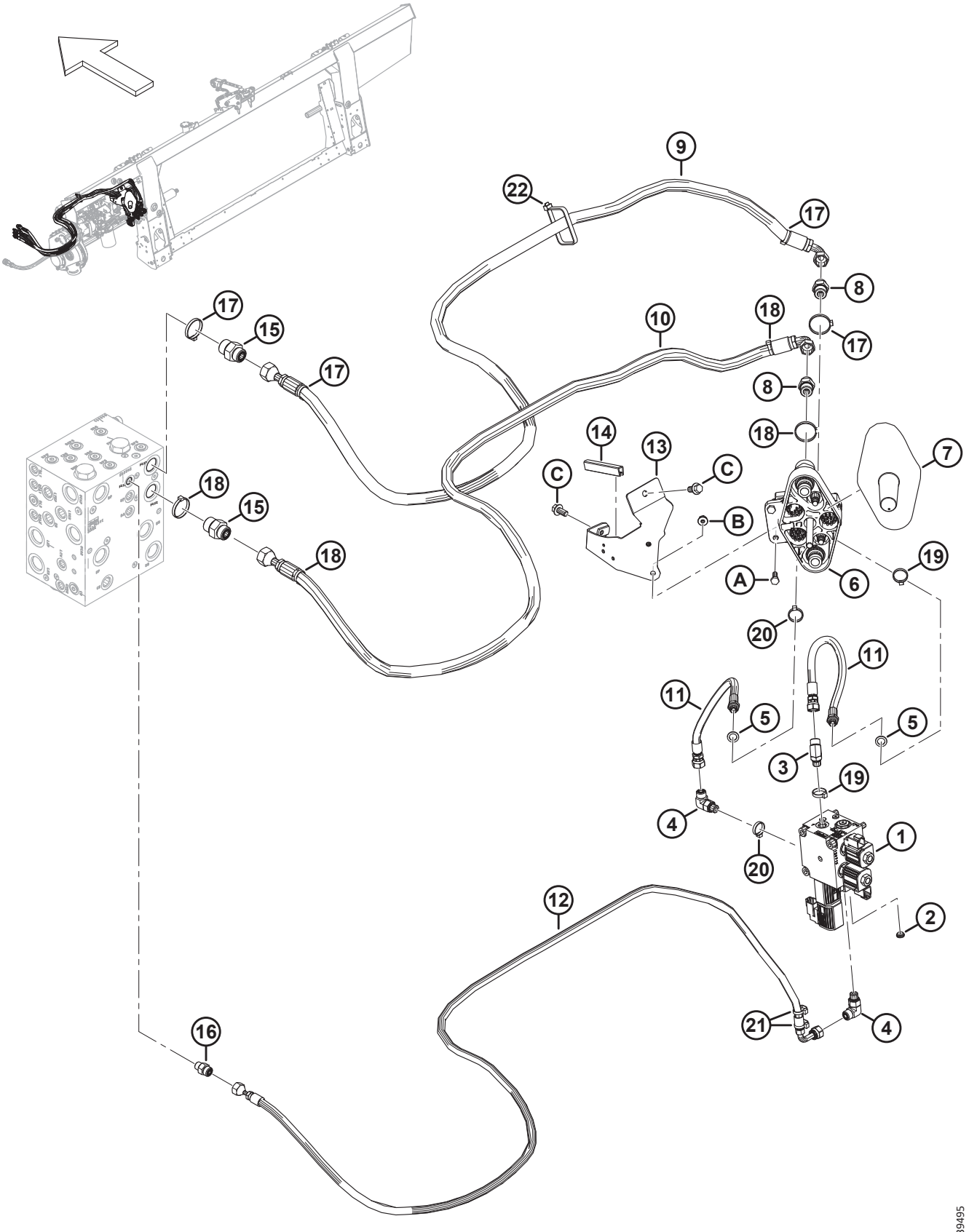
601. Kits are available through Whole Goods only.
602. Service part only for 2022 and prior units with superseded pivot lever (MD #347569).

182 CLAAS – Hydraulic Completion



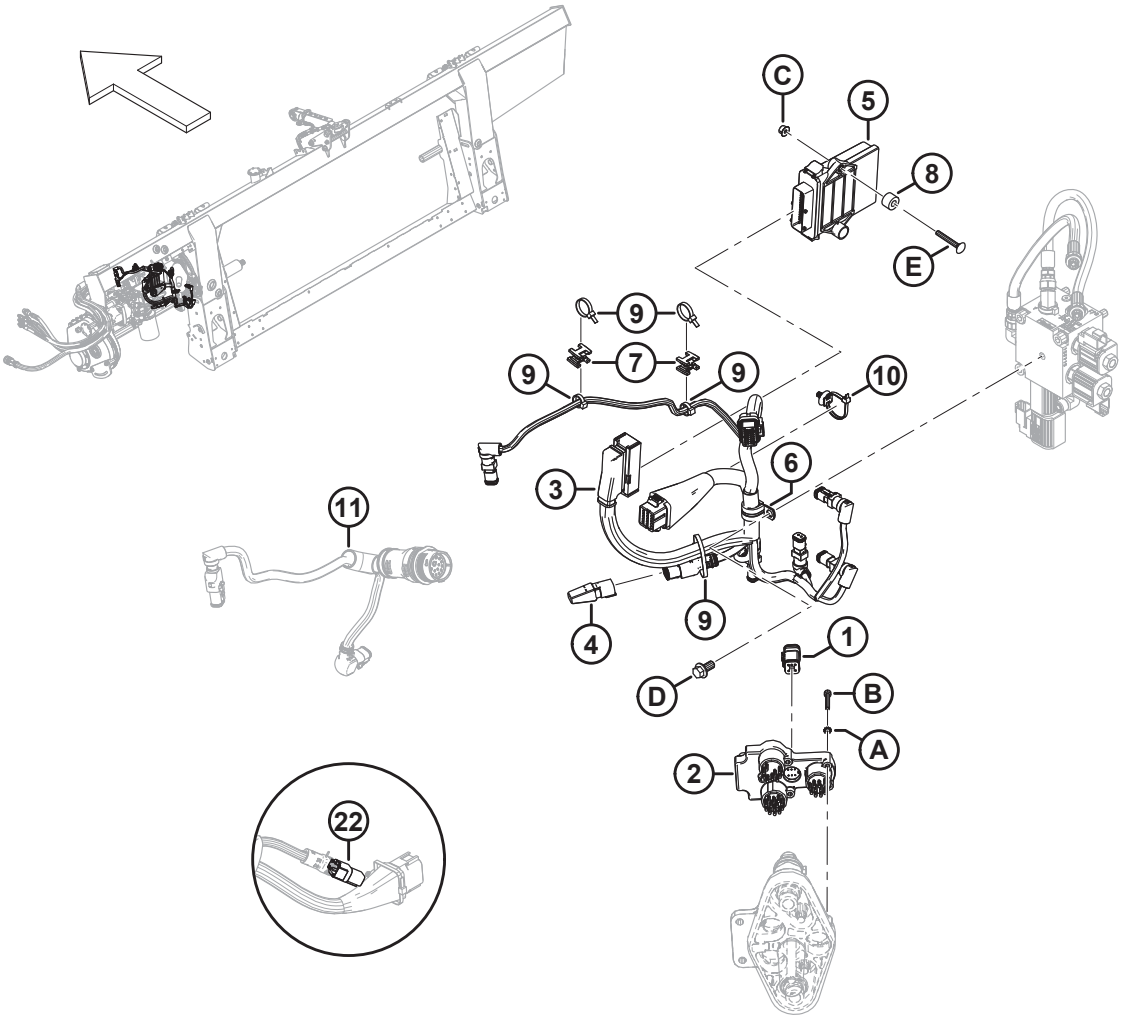
Ref	Part Number	Description	Qty	Serial Number
	B7406	KIT – CLAAS/LEXION HYD COMPLETION [603]		
1	328548	VALVE – SELECTOR, CLAAS	1	
	287456	VALVE – 3-POS 4-WAY		
	287460	VALVE – NC POPPET		
	287461	COIL – 12VDC - .500 IN.		
	287462	COIL – 12VDC - .625 IN.		
	279228	VALVE – CARTRIDGE, PO CHECK		
	320284	O-RING – 2.38 X 20.64		
	136108	SCREW – HEX SOC HD M10 X 1.5 X 80-12.9-AA1J	3	
	184711	WASHER – FLAT REG M10-200HV-AA1J	3	
2	252693	RESTRICTOR – #6 ORB X .052 IN.	1	
3	136144	FITTING – ELBOW 45° HYD	1	
4	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
5	320195	SEAL – BONDED WASHER	2	
6	190866	COUPLER – LEXION MULTI LINK	1	
7	129481	COVER	1	
8	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
9	314821	HOSE – HYD, REEL PRESSURE CLAAS	1	
10	314820	HOSE – HYD, REEL RETURN CLAAS	1	
11	314819	HOSE – HYD, REEL POSITION CLAAS	2	
12	314817	HOSE – HYD, REEL LIFT CLAAS	1	
13	347954	SUPPORT – COUPLER WELDMENT	1	
14	162116	SEAL – EDGE TRIM	1	
15	135786	FITTING – ADAPTER [604]	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
16	135778	FITTING – ADAPTER [604]	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
17	49232	FASTENER – CABLE TIE, WHITE	3	
18	40701	FASTENER – CABLE TIE, YELLOW	3	
19	40704	FASTENER – CABLE TIE, ORANGE	2	
20	40703	FASTENER – CABLE TIE, BLUE	2	
21	21763	FASTENER – CABLE TIE, BLACK	2	
22	30753	FASTENER – CABLE TIE, BLACK [604]	1	

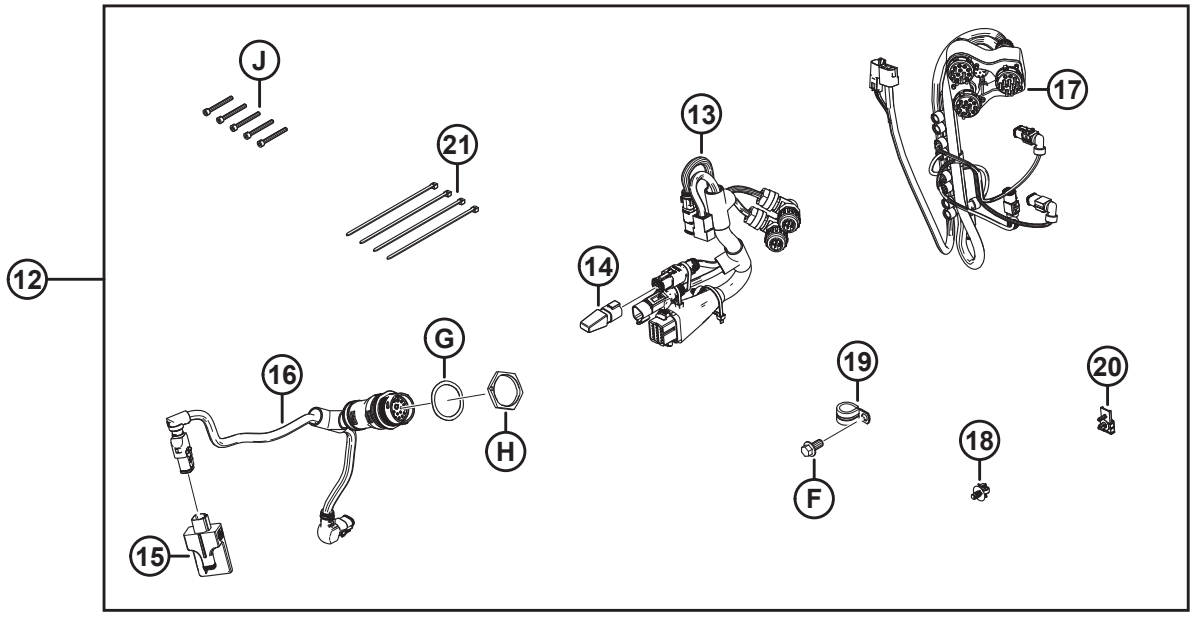
603. Kits are available through Whole Goods only.
604. This part is installed at the factory and is **NOT** included in the hydraulic completion kit (B7406).


9
22
17
8
17
10
18
17
15
17
8
18
14
13
C
C
7
18
15
B
18
A
6
19
20
11
11
5
5
3
19
4
20
1
2
12
21
4
16
1039495

Ref	Part Number	Description	Qty	Serial Number
A	184652	BOLT – HEX HD TFL M8 X 1.25 X 25-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		

183 CLAAS – Electrical Completion



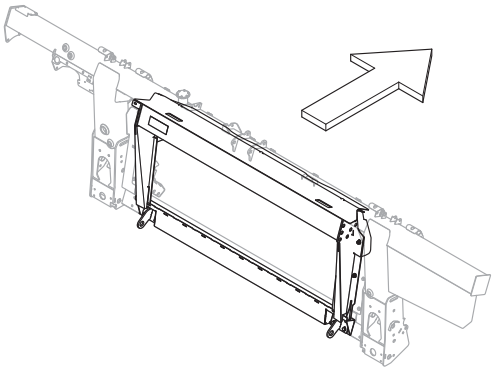


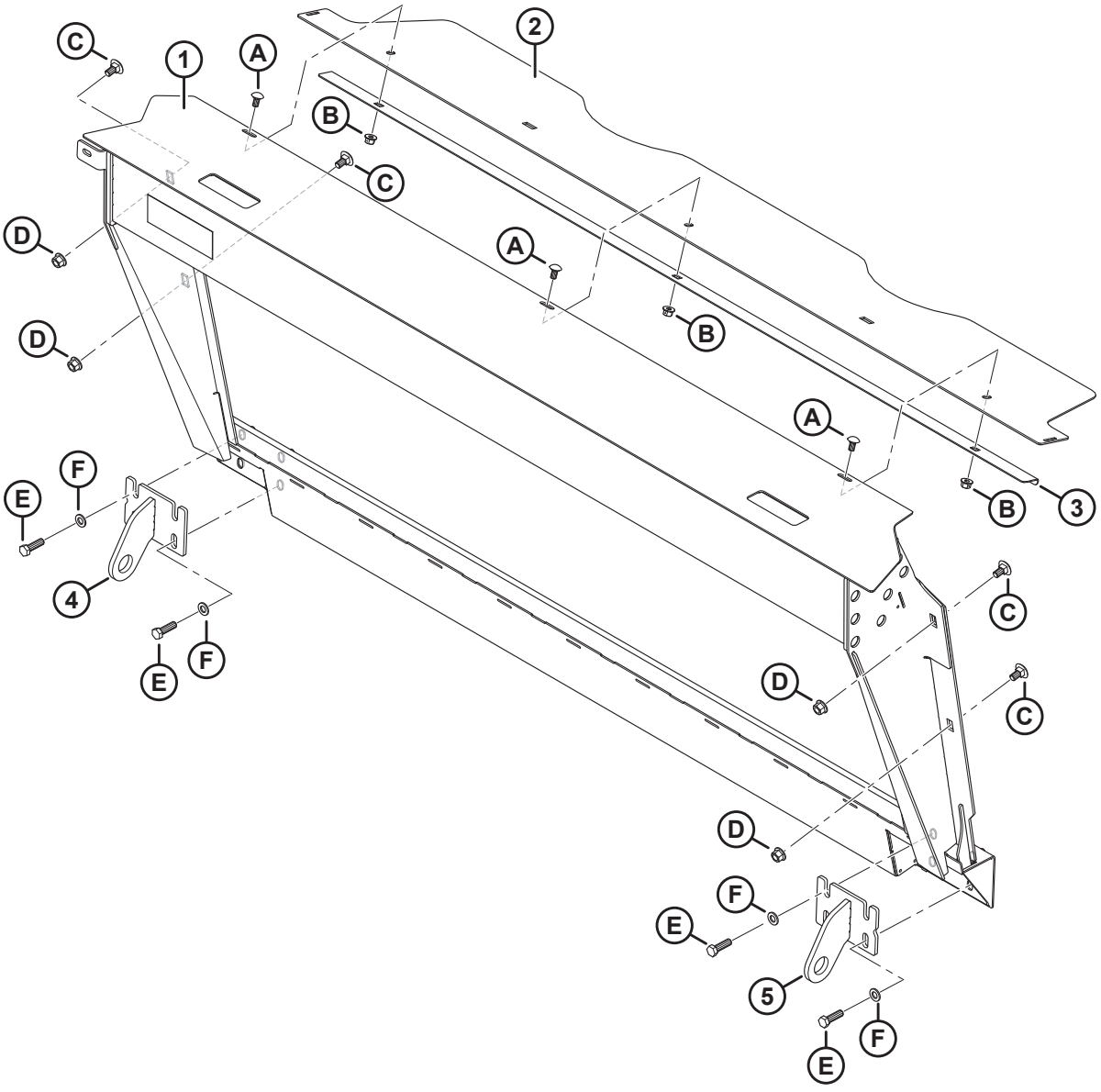
1041695

Ref	Part Number	Description	Qty	Serial Number
1	337352	PLUG – TERMINATOR	1	
2	**500605**	**COUPLER MODULE**	**1**	
3	357119	HARNESS – FM2 COMP, CLAAS INTEGRATION CONTROLLER	1	
4	283215	DIODE PACK – 6A DIODE [605]	1	
5	328065	MODULE – HEADER INTEGRATION	1	
6	135709	CLAMP – INSULATED 3/4 IN.	1	
7	134442	SPACER – DUAL SWIVEL SADDLE	2	
8	328913	SPACER	2	
9	21763	FASTENER – CABLE TIE, BLACK	5	
10	136655	FASTENER – FIR TREE MT W/ TIE	1	
11	REF	HARNESS – CAB ADAPTER [606]	1	
12	B7405	KIT – CLAAS/LEXION ELEC COMPLETION [607]	A/R	
13	335431	HARNESS – COMP., CLAAS	1	
14	283215	DIODE PACK – 6A DIODE [608]	1	
15	328411	MODULE – VALVE DRIVER	1	
16	322383	HARNESS – CAB ADAPTER	1	
17	**323936**	**HARNESS – COUPLER, CLAAS** [609]	**1**	
	213824	HARNESS – LEXION COUPLER MOD [610]		
	129772	HARNESS – WIRING, CLAAS [610]		
18	136655	FASTENER – FIR TREE MT W/ TIE	1	
19	135709	CLAMP – INSULATED 3/4 IN.	1	
20	134612	CLIP – RECEPTACLE MOUNT	1	
21	21763	FASTENER – CABLE TIE, BLACK	4	
22	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [611]	1	
A	184703	WASHER – EXT LK TOOTH M5-200HV-AF0C		
B	173117	SCREW – HEX SOC HD M5 X 0.8 X 35-8.8-AA1J		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
E	136731	BOLT – RHSN M6 X 1 X 45-8.8-AA1J		
F	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
G	134730	WASHER – LOCK, HDP 20, SIZE 24		
H	134728	NUT – PANEL, HDP 20, SIZE 24		
J	129965	SCREW – HEX SOC HD M5 X 0.8 X 45		

605. Service part for CLAAS completion harness MD #337119.
606. For the harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*.
607. Kits are available through Whole Goods only.
608. Service part for CLAAS completion harness MD #335431.
609. Includes harness MD #213824 and harness MD #129772.
610. Service part for CLAAS harness MD #323936.
611. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for CLAAS combines, but it is NOT included in the completion package (B7405). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.

184 John Deere S Series – Float Module Completion

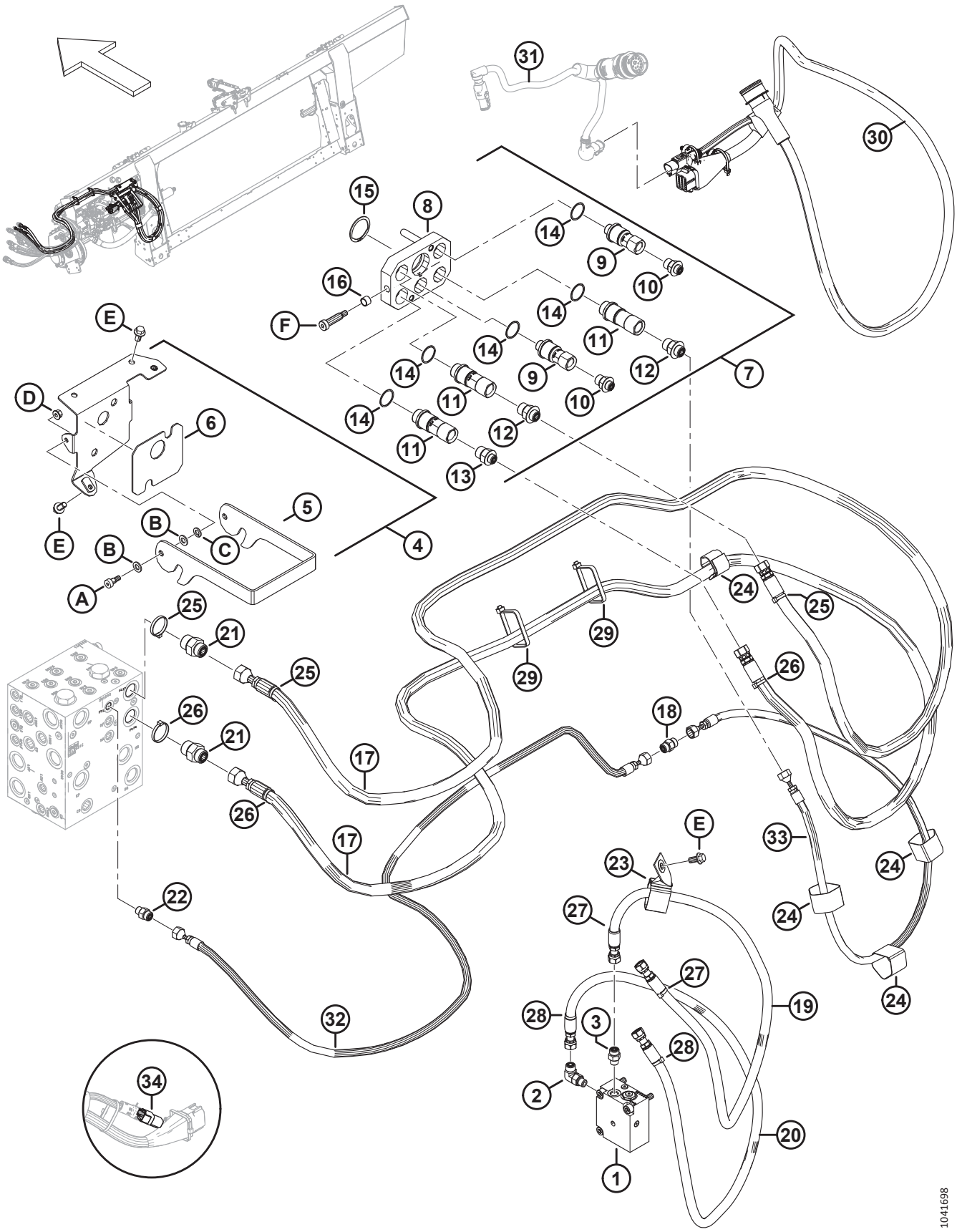




Ref	Part Number	Description	Qty	Serial Number
	B7044	KIT – JD-S TRANSITION FRAME [612]		
1	347301	TRANS FRAME W/ DECAL – ASSY, JD CM	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347179	ANCHOR – WELDT LH	1	
5	347180	ANCHOR – WELDT RH	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		

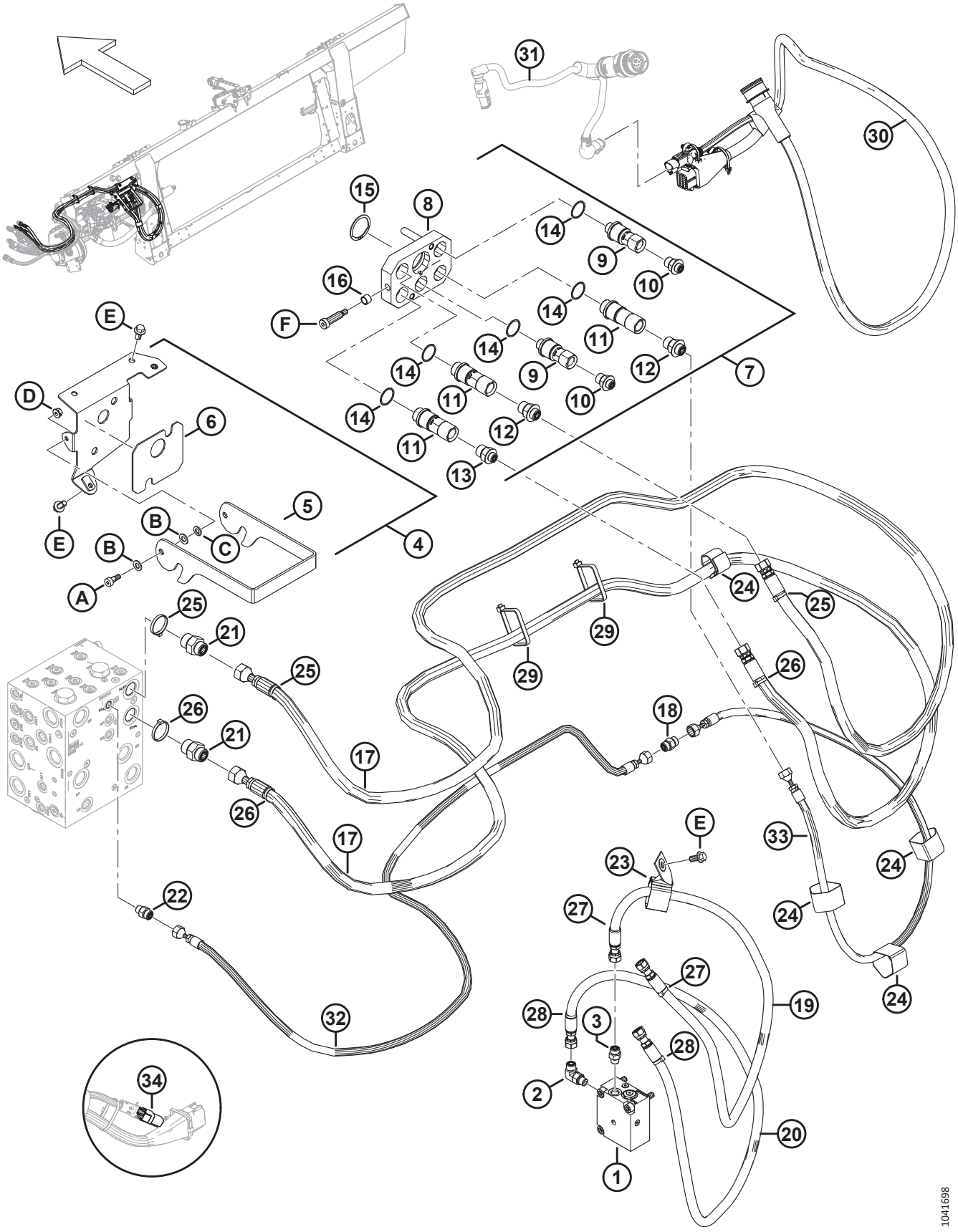
612. Kits are available through Whole Goods only.

185 John Deere S and T Series – Hydraulic/Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7057	KIT – JD S/T HYD ELEC COMPLETION [613]		
1	335342	VALVE – PO, CHECK	1	
	220959	SEAL KIT		
	279228	VALVE – CARTRIDGE, PO CHECK		
	320284	O-RING – 2.38 X 20.64		
	184711	WASHER – FLAT REG M10-200HV-AA1J		
2	136095	FITTING – ELBOW 90° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
3	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
4	322216	ASSEMBLY – MULTI COUPLER MOUNT JD	1	
5	248960	LATCH – COUPLER BRACKET	1	
6	129149	PAD – RUBBER	1	
7	328002	COUPLING – MULTI JD 5-POSITION	1	
8	182182	PLATE ASSY – JD MULTICOUPLER	1	
9	191704	COUPLER – 3/8, JD MULTI COUPLER	2	
	129859	SEAL KIT – 3/8 IN MULTI-COUPLER		
10	191705	FITTING – ADAPTER HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184460	COUPLER – 1/2 IN FF MULTI COUPLER	3	
	129860	SEAL KIT – 1/2 IN.60 SERIES MULTI-COUPLER		
12	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
13	184462	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135865	O-RING – Ø1.78 X Ø9.25		
14	184603	RING – RETAINING, JD COUPLER	5	
15	135267	RING – INVERTED EXT RETAINING	1	
16	182181	BUSHING – JD MULTICOUPLER	2	
17	314706	HOSE – HYD, REEL DRIVE JD	2	
18	136219	FITTING – UNION SAE -6 ORFS	1	
	135865	O-RING – Ø1.78 X Ø9.25		
19	314708	HOSE – HYD, REEL AFT JD	1	
20	314707	HOSE – HYD, REEL FORE JD	1	
21	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		

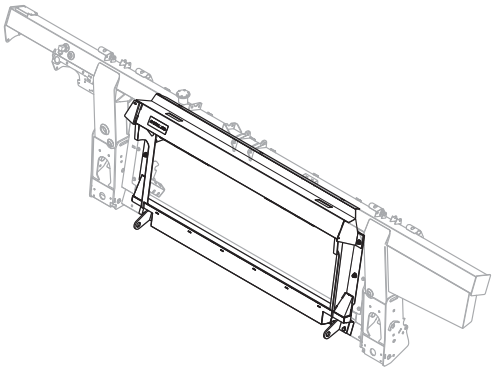
613. Kits are available through Whole Goods only.

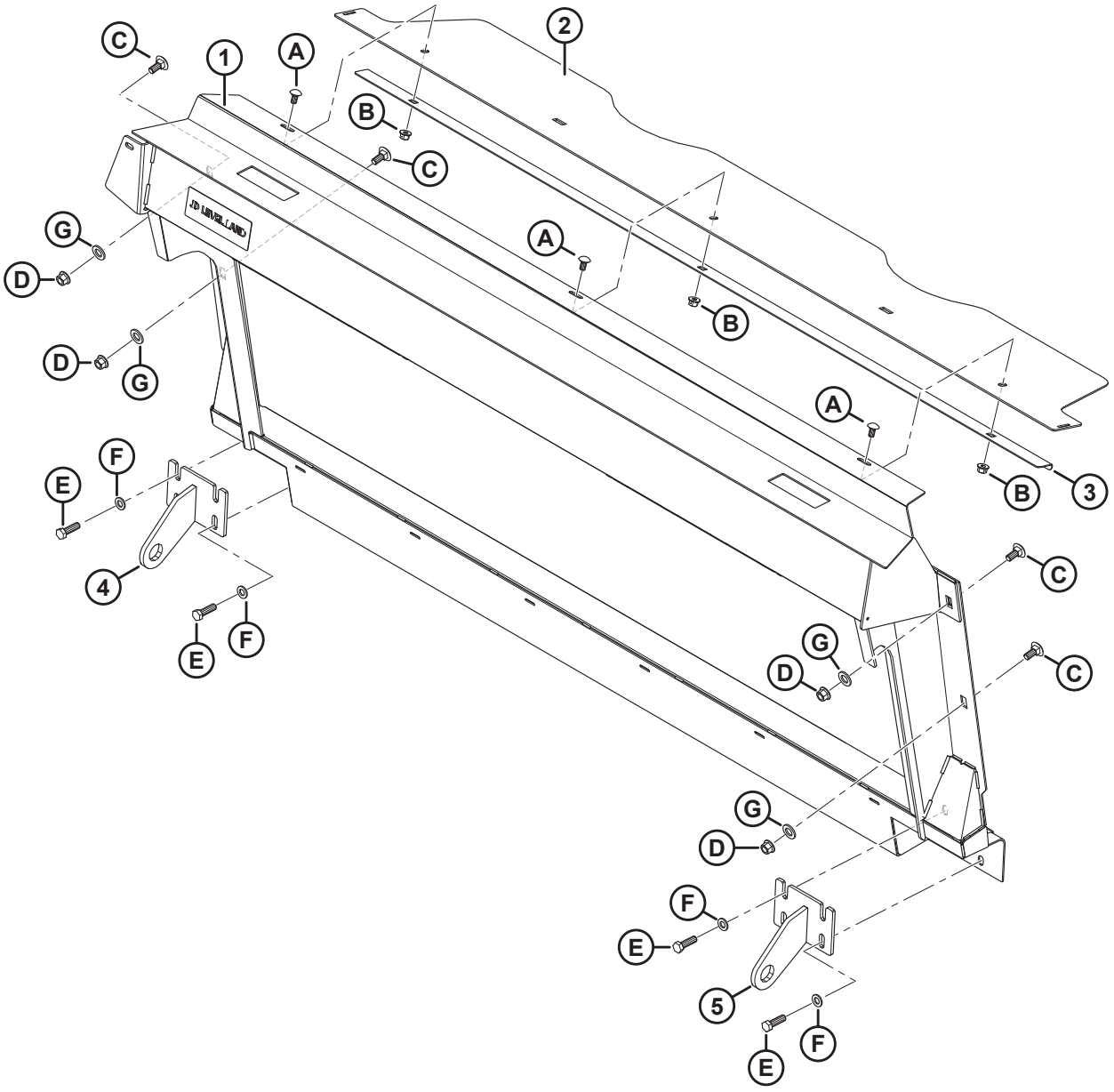

1041698

Ref	Part Number	Description	Qty	Serial Number
22	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
23	163598	CINCH STRAP – HANGING, 6 IN LG	1	
24	135444	CINCH STRAP – 6 IN LG	4	
25	49232	FASTENER – CABLE TIE, WHITE	3	
26	40701	FASTENER – CABLE TIE, YELLOW	3	
27	40702	FASTENER – CABLE TIE, RED	3	
28	49227	FASTENER – CABLE TIE, GREEN	3	
29	30753	FASTENER – CABLE TIE, BLACK	2	
30	322387	HARNESS – COMP., JD	1	
31	REF	HARNESS – CAB ADAPTER [614]	1	
32	337652	HOSE – HYD, REEL LIFT [615]	1	
33	337651	HOSE – HYD, REEL LIFT [616]	1	
34	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [617]	1	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	30632	WASHER – LOCK SPRING M10		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	184524	SCREW – HEX SOC HD SHLDR 1/2-3/8		

614. For the harness, refer to Section *170 Electrical – Base, page 401*.
615. Connects to the hydraulic block.
616. Connects to the quick coupler.
617. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for John Deere S and T Series combines, but it is NOT included in the completion package (B7057). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.

186 John Deere T Series – Float Module Completion

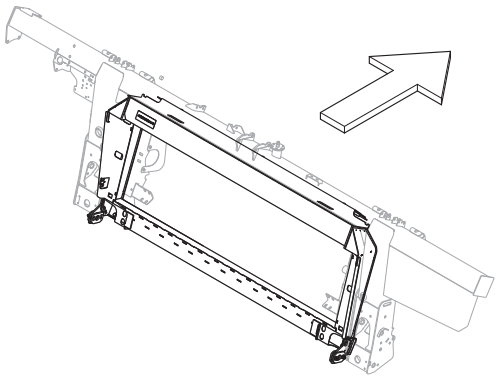


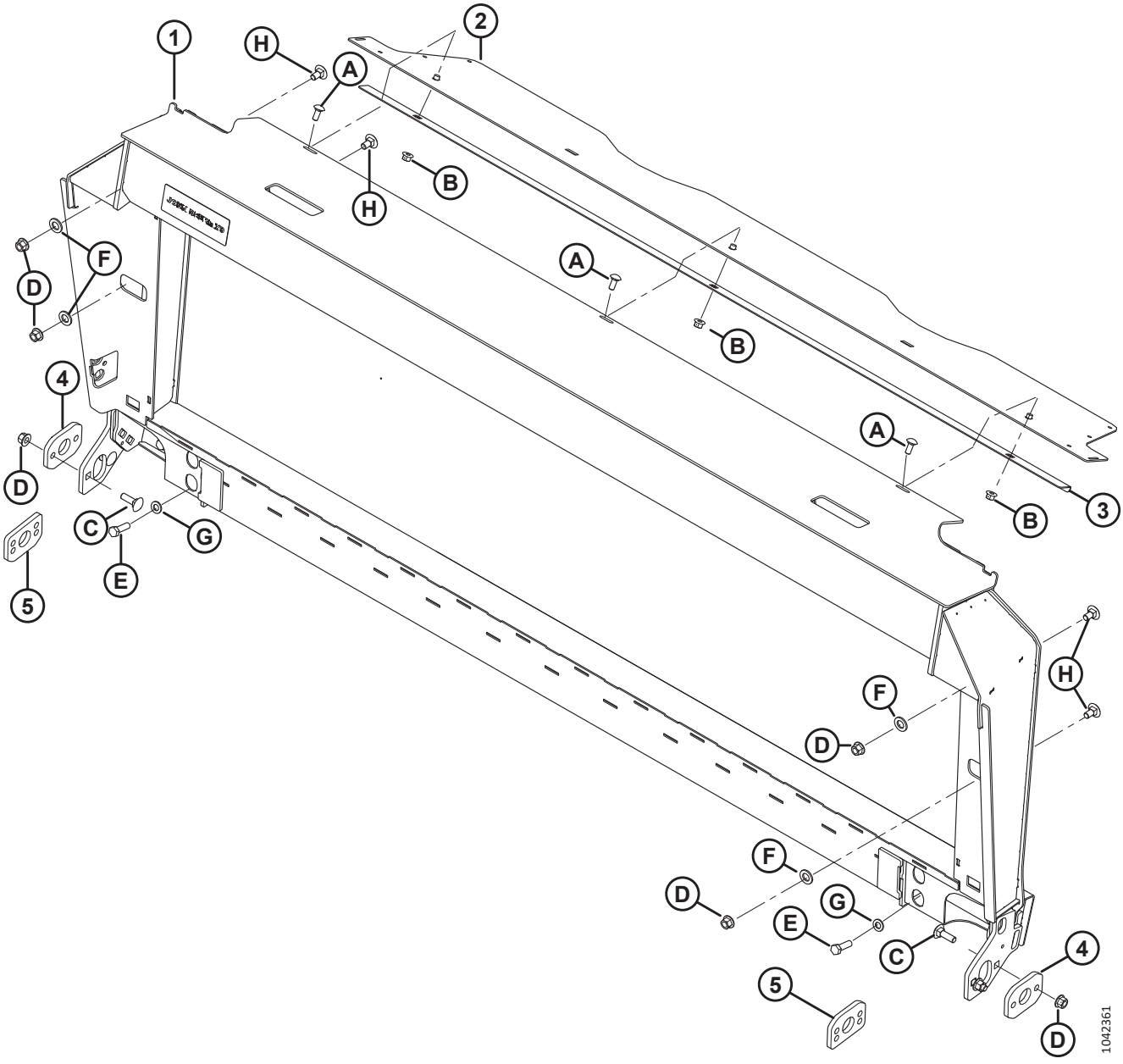


Ref	Part Number	Description	Qty	Serial Number
	B7341	KIT – JD-LEVEL LAND TRANSITION FRAME [618]		
1	**357171**	**ASSEMBLY – JD LL TRANS FRAME W/DECAL**	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	151941	ANCHOR – WELDT LH	1	
5	151942	ANCHOR – WELDT RH	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		
G	184717	WASHER – FLAT REG M16-200HV-AA1J		

618. Kits are available through Whole Goods only.

187 John Deere X9 Series – Float Module Completion

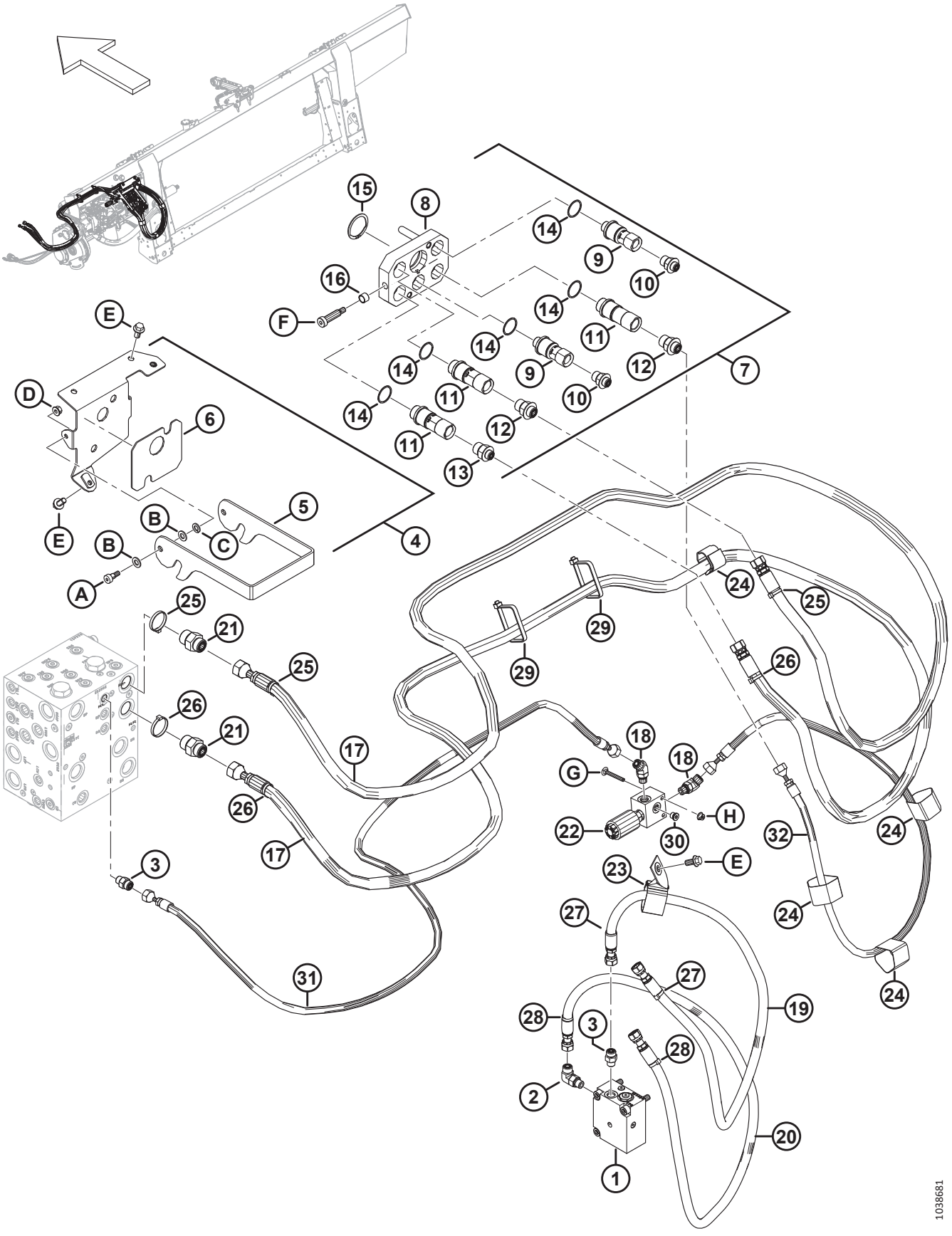




Ref	Part Number	Description	Qty	Serial Number
	B7533	**KIT – JD-X9 TRANSITION FRAME** [619]		
1	**368660**	**TRANSITION FRAME W/ DECAL – JD X9**	**1**	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	**368656**	**PLATE – ADJUSTMENT**	**2**	
5	**368826**	**PLATE – ADJUSTMENT**	**2**	
A	**136506**	BOLT – RHSSN M10 X 1.5 X 25-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	**135900**	**BOLT – RHSN TFL M12 X 1.75 X 40-8.8-ZINC**		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	**152730**	**BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J**		
F	184717	WASHER – FLAT REG M16-200HV-AA1J		
G	184714	WASHER – FLAT REG M12-300HV		
H	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		

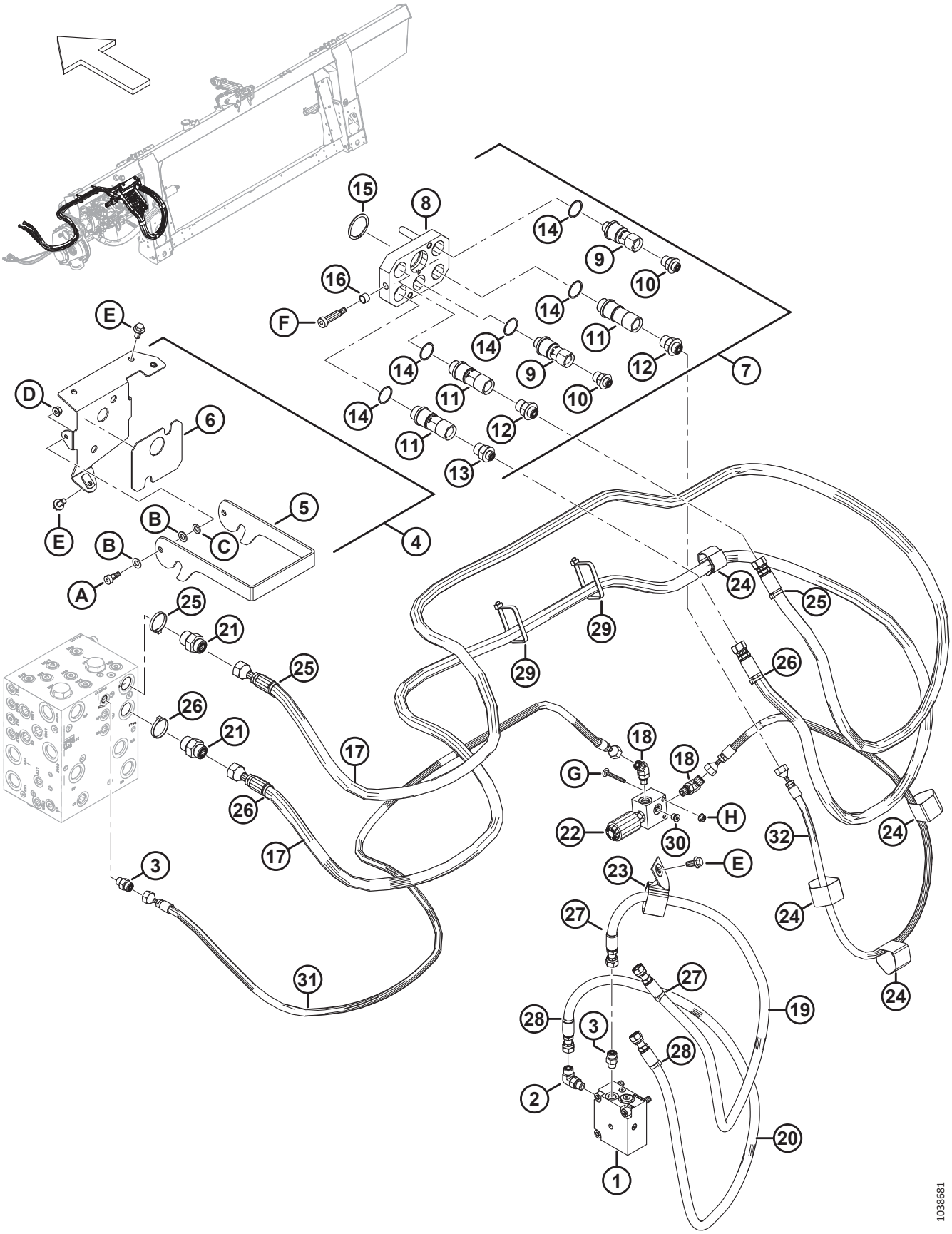
619. Kits are available through Whole Goods only.

188 John Deere X9 Series – Hydraulic Completion



Ref	Part Number	Description	Qty	Serial Number
	B7323	KIT – JD X9 HYD ELEC COMPLETION [620]		
1	335342	VALVE – PO, CHECK	1	
	220959	SEAL KIT		
	279228	VALVE – CARTRIDGE, PO CHECK		
	320284	O-RING – 2.38 X 20.64		
	320392	SCREW – HEX SOC HD M10 X 1.5 X 55-8.8-ZINC		
	184711	WASHER – FLAT REG M10-200HV-AA1J		
2	136095	FITTING – ELBOW 90° HYD	1	
	135865	O-RING – Ø1.78 X Ø9.25		
	50219	O-RING – Ø1.98 X Ø11.89		
3	135778	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
4	322216	ASSEMBLY – MULTI COUPLER MOUNT JD	1	
5	248960	LATCH – COUPLER BRACKET	1	
6	129149	PAD – RUBBER	1	
7	328002	COUPLING – MULTI JD 5-POSITION	1	
8	182182	PLATE ASSY – JD MULTICOUPLER	1	
9	191704	COUPLER – 3/8, JD MULTI COUPLER	2	
	129859	SEAL KIT – 3/8 IN MULTI-COUPLER		
10	191705	FITTING – ADAPTER HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135865	O-RING – Ø1.78 X Ø9.25		
11	184460	COUPLER – 1/2 IN FF MULTI COUPLER	3	
	129860	SEAL KIT – 1/2 IN.60 SERIES MULTI-COUPLER		
12	184463	FITTING – ADAPTER HYD	2	
	44210	O-RING – Ø2.46 X Ø19.18		
	135866	O-RING – Ø1.78 X Ø12.42		
13	184462	FITTING – ADAPTER HYD	1	
	44210	O-RING – Ø2.46 X Ø19.18		
	135865	O-RING – Ø1.78 X Ø9.25		
14	184603	RING – RETAINING, JD COUPLER	5	
15	135267	RING – INVERTED EXT RETAINING	1	
16	182181	BUSHING – JD MULTICOUPLER	2	
17	314706	HOSE – HYD, REEL DRIVE JD	2	
18	136144	FITTING – ELBOW 45° HYD	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	314708	HOSE – HYD, REEL AFT JD	1	
20	314707	HOSE – HYD, REEL FORE JD	1	

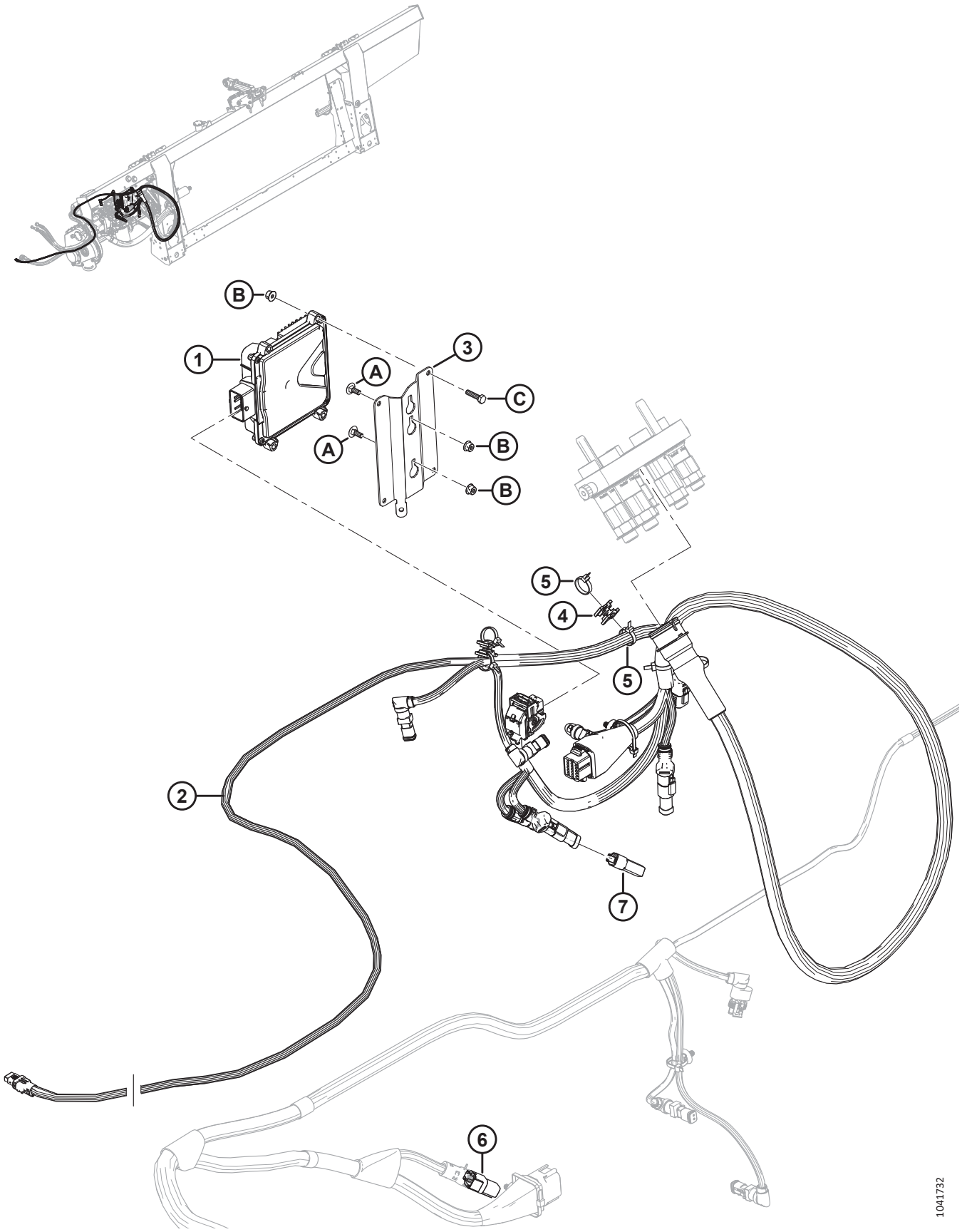
620. Includes all parts listed in this section and Section *189 John Deere X9 Series – Electrical Completion, page 455*. Kits are available through Whole Goods only.


1038681

Ref	Part Number	Description	Qty	Serial Number
21	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
22	337551	MANIFOLD – BLOCKING VALVE	1	
23	163598	CINCH STRAP – HANGING, 6 IN LG	1	
24	135444	CINCH STRAP – 6 IN LG	4	
25	49232	FASTENER – CABLE TIE, WHITE	3	
26	40701	FASTENER – CABLE TIE, YELLOW	3	
27	40702	FASTENER – CABLE TIE, RED	3	
28	49227	FASTENER – CABLE TIE, GREEN	3	
29	30753	FASTENER – CABLE TIE, BLACK	2	
30	102711	FITTING – PLUG HYD 4 ORB HEX SOC	1	
31	337652	HOSE – HYD, REEL LIFT [621]	1	
32	337651	HOSE – HYD, REEL LIFT [622]	1	
A	135894	SCREW – HEX SOC HD SHLDR M10		
B	184711	WASHER – FLAT REG M10-200HV-AA1J		
C	30632	WASHER – LOCK SPRING M10		
D	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
E	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
F	184524	SCREW – HEX SOC HD SHLDR 1/2-3/8		
G	184644	BOLT – RHSN M6 X 1 X 50-8.8-ZINC		
H	152668	NUT – HEX FLG CTR LOC M6 X 1-8		

621. Connects to the hydraulic block.
622. Connects to the quick coupler.

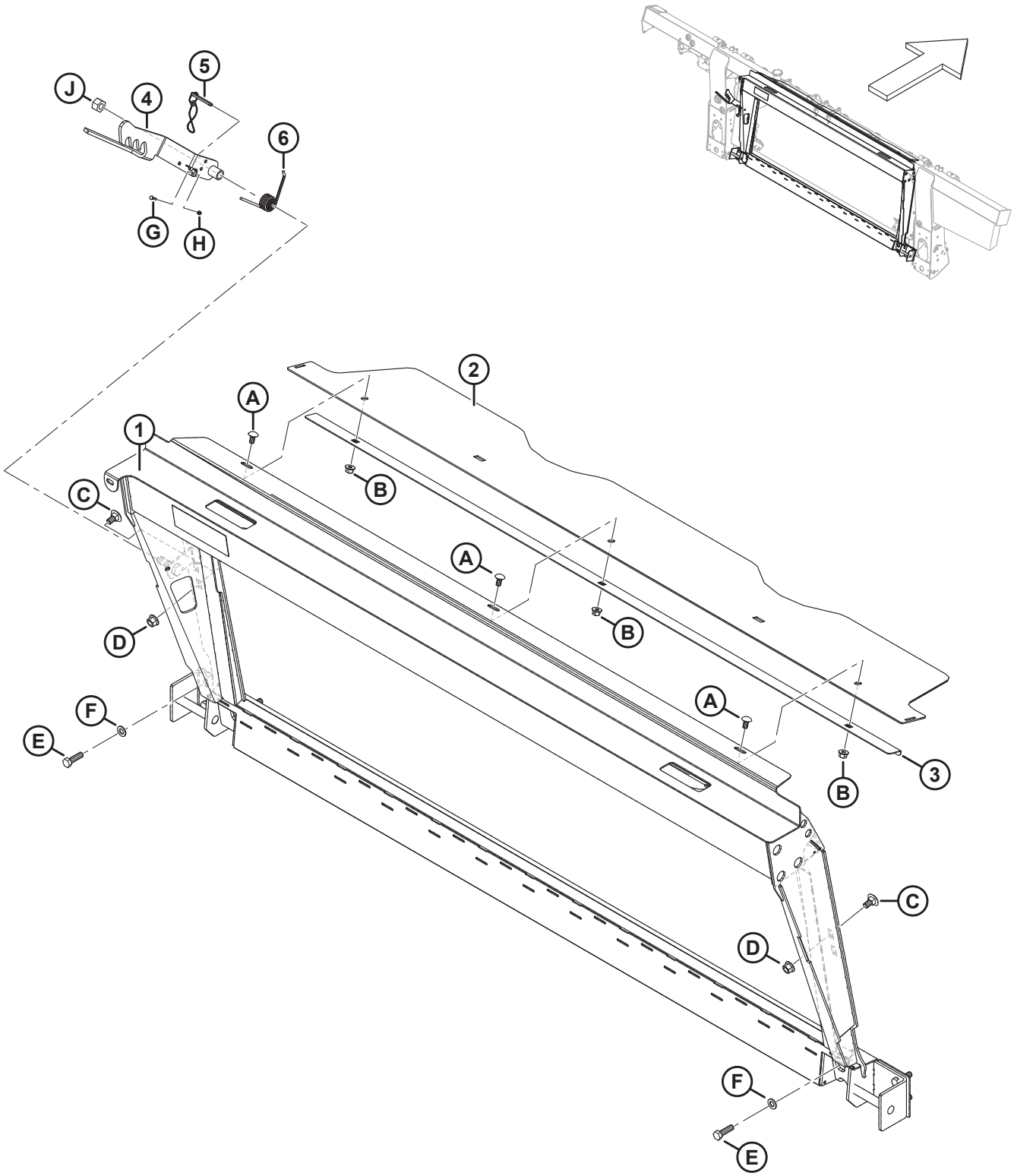
189 John Deere X9 Series – Electrical Completion



Ref	Part Number	Description	Qty	Serial Number
	B7323	KIT – JD X9 HYD ELEC COMPLETION [623]		
1	500518	MODULE – ASSY-STW ESX-3CS WITH X9SW	1	
2	**335971**	**HARNESS – COMPLETION, JD X9**	**1**	
	134043	**RECEPT – DEUTSCH, DT04-3P-P006 (CAN TERMINATOR)** [624]		
3	**357989**	**BRACKET – MODULE**	**1**	
4	134442	SPACER – DUAL SWIVEL SADDLE	3	
5	21763	FASTENER – CABLE TIE, BLACK	6	
6	**323698**	**PLUG – TILT, PASS THRU**	**1**	
7	357046	PLUG – ID, 25	1	
	357047	PLUG – ID, 30	1	
	357050	PLUG – ID, 35	1	
	357051	PLUG – ID, 40	1	
	357052	PLUG – ID, 41	1	
	357053	PLUG – ID, 45	1	
	357054	PLUG – ID, 50	1	
A	136748	BOLT – RHSN M6 X 1 X 16-8.8-ZINC		
B	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
C	135301	BOLT – HEX HD M6 X 1 X 25-8.8-AA1J		

623. Includes all parts listed in this section and Section *188 John Deere X9 Series – Hydraulic Completion, page 451*. Kits are available through Whole Goods only.
624. CAN terminator.

190 New Holland CR/CX – Float Module Completion

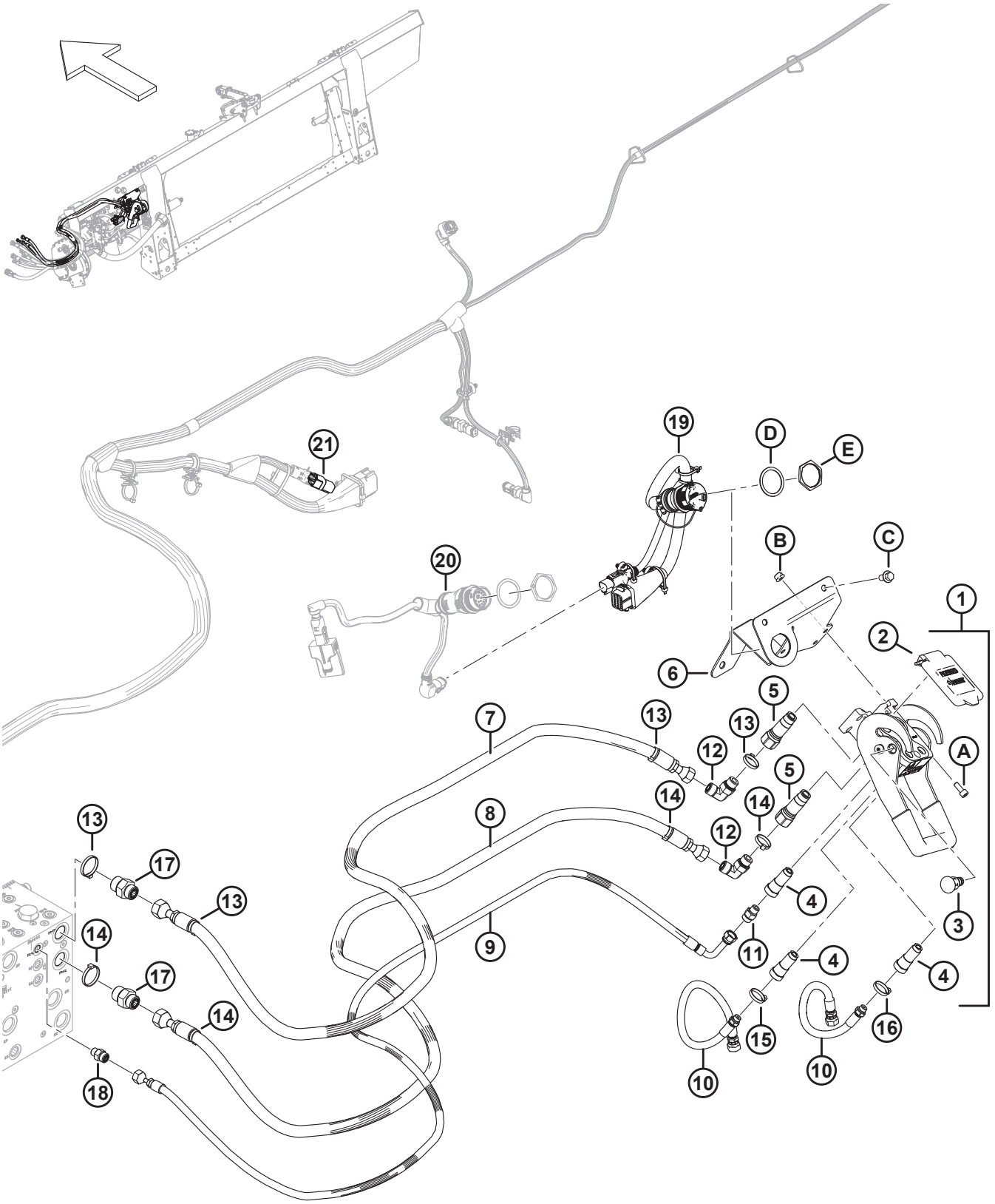


1034928

Ref	Part Number	Description	Qty	Serial Number
	B7043	KIT – CNH TRANSITION FRAME [625]		
1	347300	ASSY – CNH TRANSITION W/ DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347141	LATCH – WELDT	1	
5	237363	PIN – DETENT WITH 8 IN. LANYARD	1	
6	156948	SPRING – TORSION	1	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-ZINC		
D	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		
E	184669	BOLT – HEX HD M12 X 1.75 X 40-8.8-AA1J		
F	184714	WASHER – FLAT REG M12-300HV		
G	197319	BOLT – HEX HD TFL M4 X 0.7 X 16-8.8-AA1J		
H	197320	NUT – HEX NYLOC M4 X 0.7-8-AA1J		
J	136476	NUT – HEX CTR LOC M16 X 2-8		

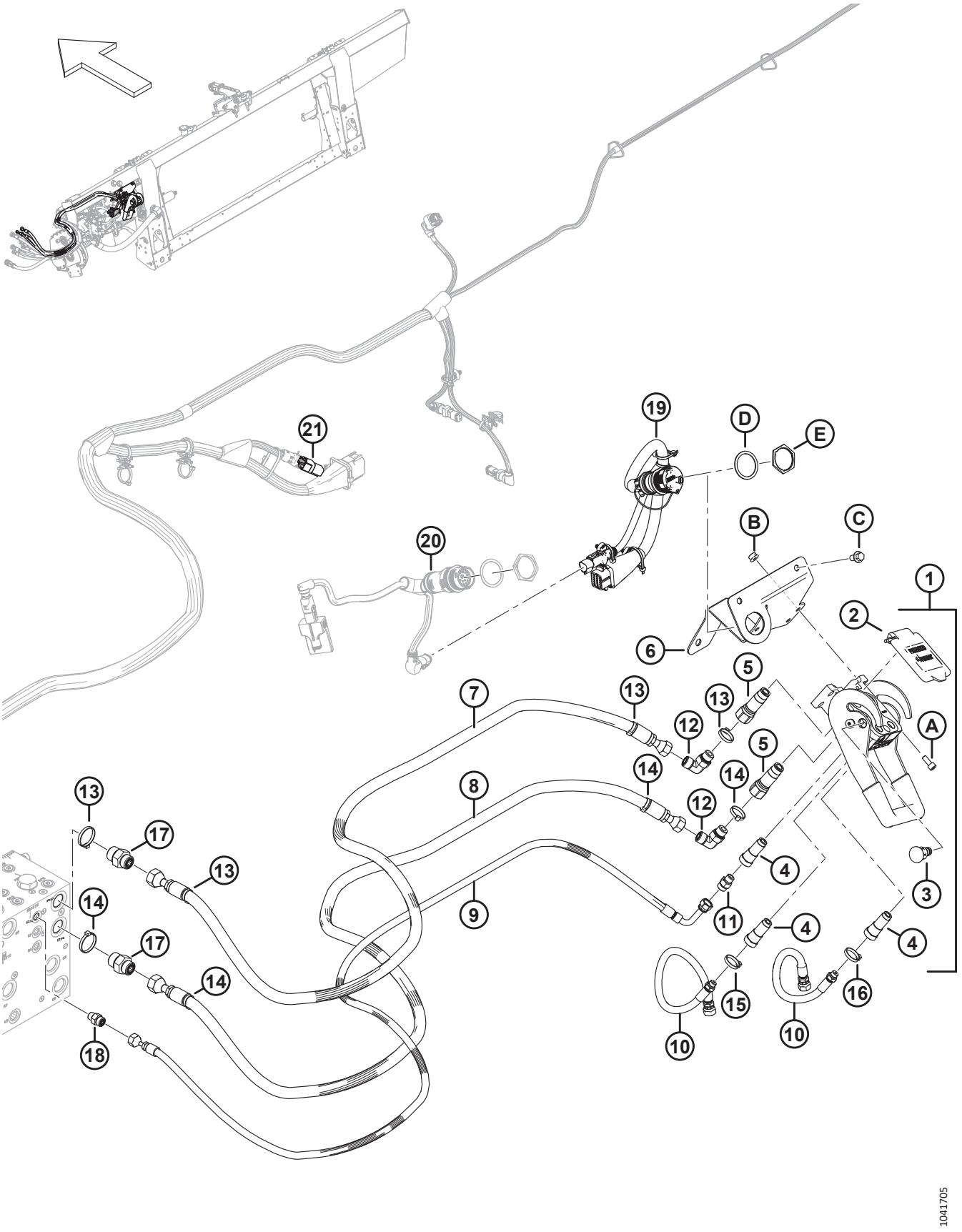
625. Kits are available through Whole Goods only.

191 New Holland CR/CX – Hydraulic/Electrical Completion



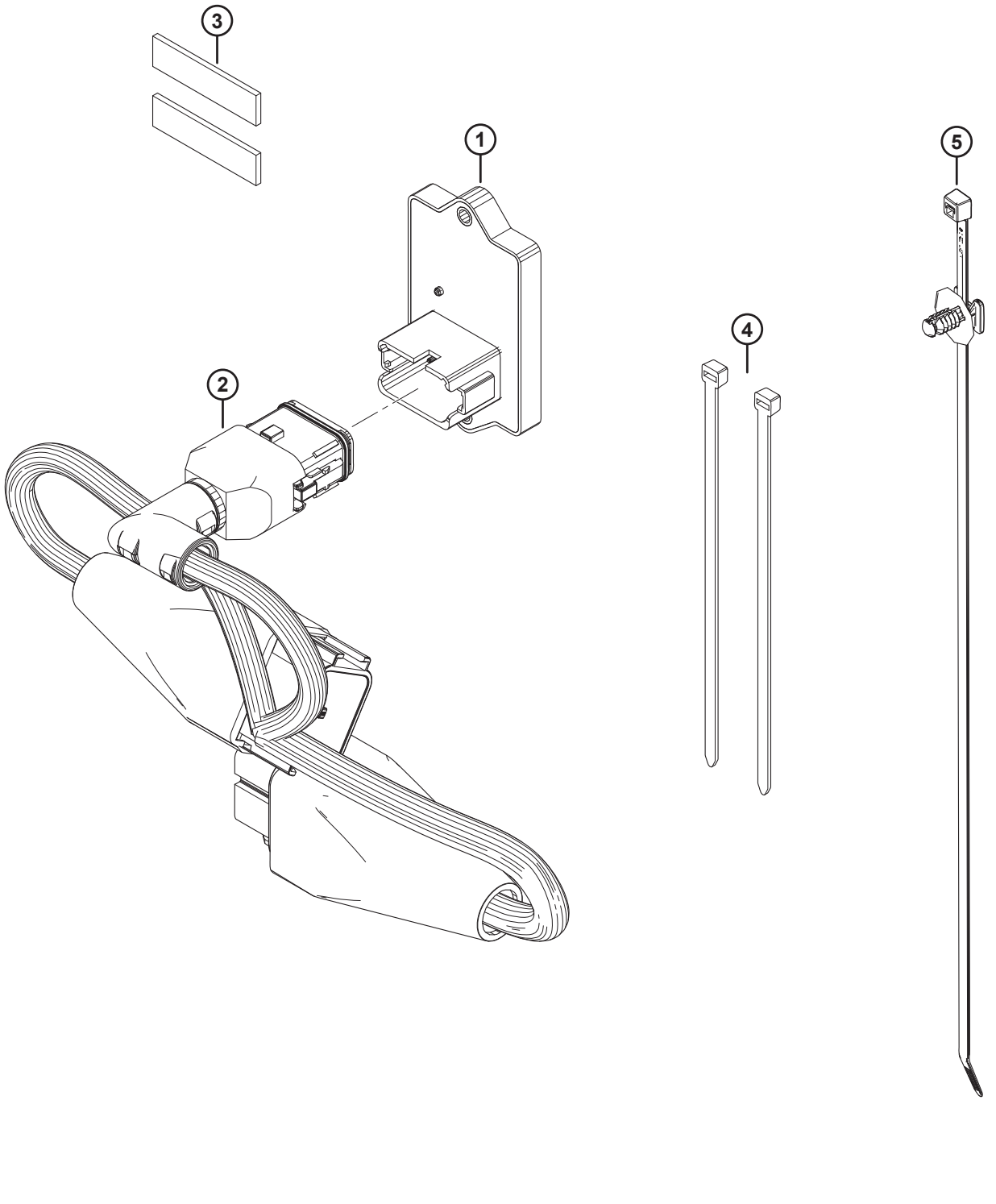
Ref	Part Number	Description	Qty	Serial Number
	B7507	**KIT – CNH HYD ELEC COMPLETION** [626]		
1	153151	COUPLING – MULTI [627]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	**368376**	**HARNESS – COMP., CNH INT**	**1**	
20	REF	HARNESS – CAB ADAPTER [628]	1	
	REF	MODULE – VALVE DRIVER [628]	1	
	REF	WASHER – LOCK, HDP 20, SIZE 24 [628]	1	
	REF	NUT – PANEL, HDP 20, SIZE 24 [628]	1	
21	REF	PLUG – TILT, PASS THRU [629]	1	
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		

626. Kits are available through Whole Goods only.
627. The multicoupler includes CNH multi-coupler cover kit (MD #MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
628. For the harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*; required for model year 2018 and prior machines only.
629. The pass-thru tilt plug (MD #323698) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later machines configured for New Holland CR Wide combines, but it is NOT included in the completion package (B7507). To order the pass-thru tilt plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
A
B
C
D
E
1041705

Ref	Part Number	Description	Qty	Serial Number
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

192 New Holland 10 Volt Auto Header Height Control Adapter Kit

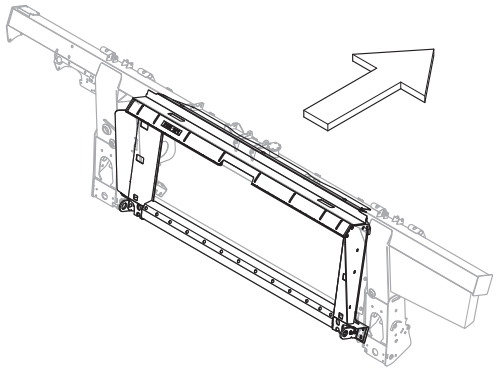


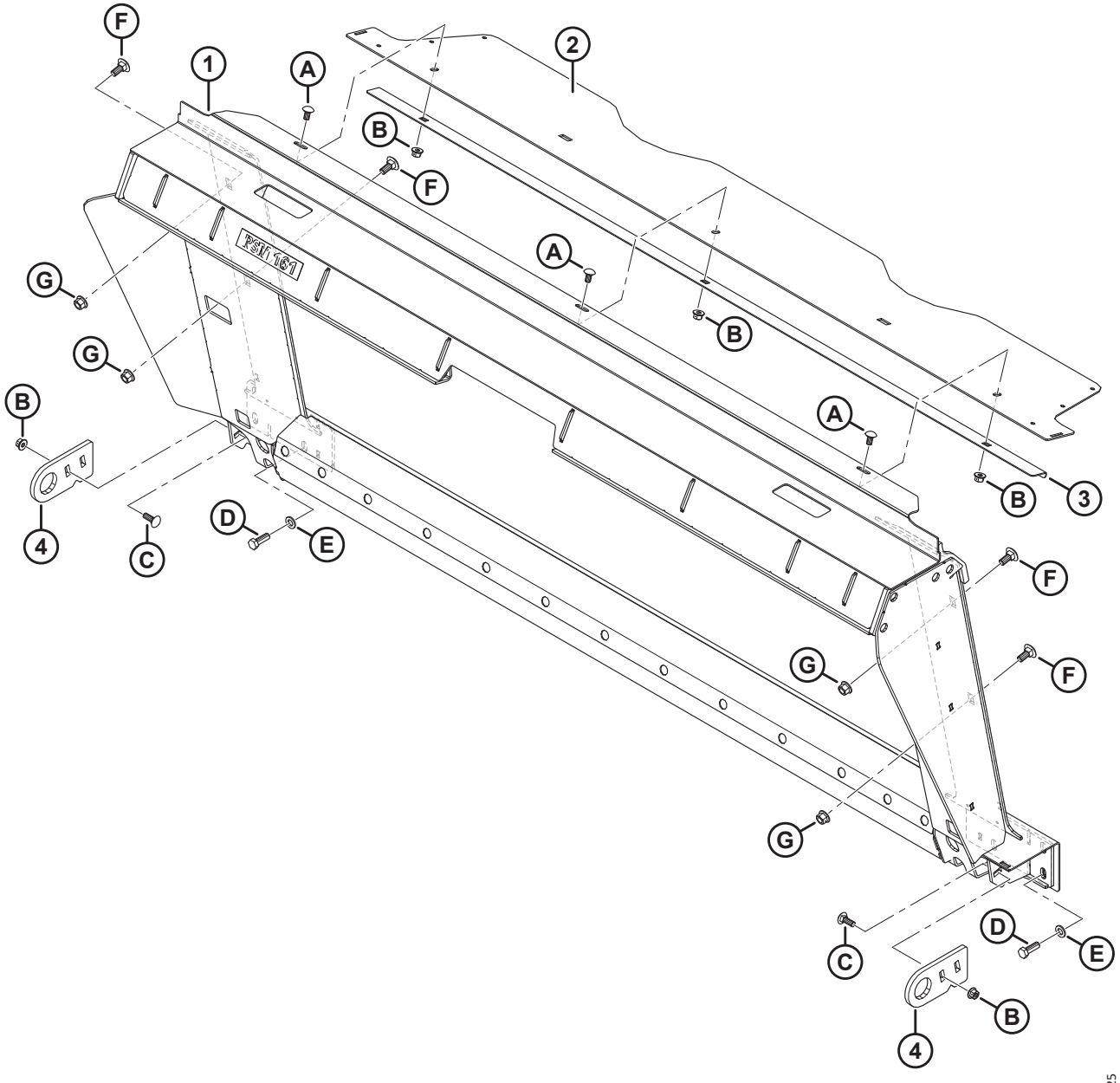
NEW HOLLAND 10 VOLT AUTO HEADER HEIGHT CONTROL ADAPTER KIT

Ref	Part Number	Description	Qty	Serial Number
	B7241	KIT – NH 10V ADAPTER [630]		
1	500448	MODULE – NH 10V	1	
2	335160	HARNESS – NH 10V ADAPTER	1	
3	NSS	TAPE – FOAM, VHB, 1/2 IN. WIDE, 50 MM	2	
4	**21763**	**FASTENER – CABLE TIE, BLACK**	**2**	
5	**136655**	**FASTENER – FIR TREE MT W/ TIE**	**1**	

630. Kits are available through Whole Goods only.

193 Rostselmash – Float Module Completion

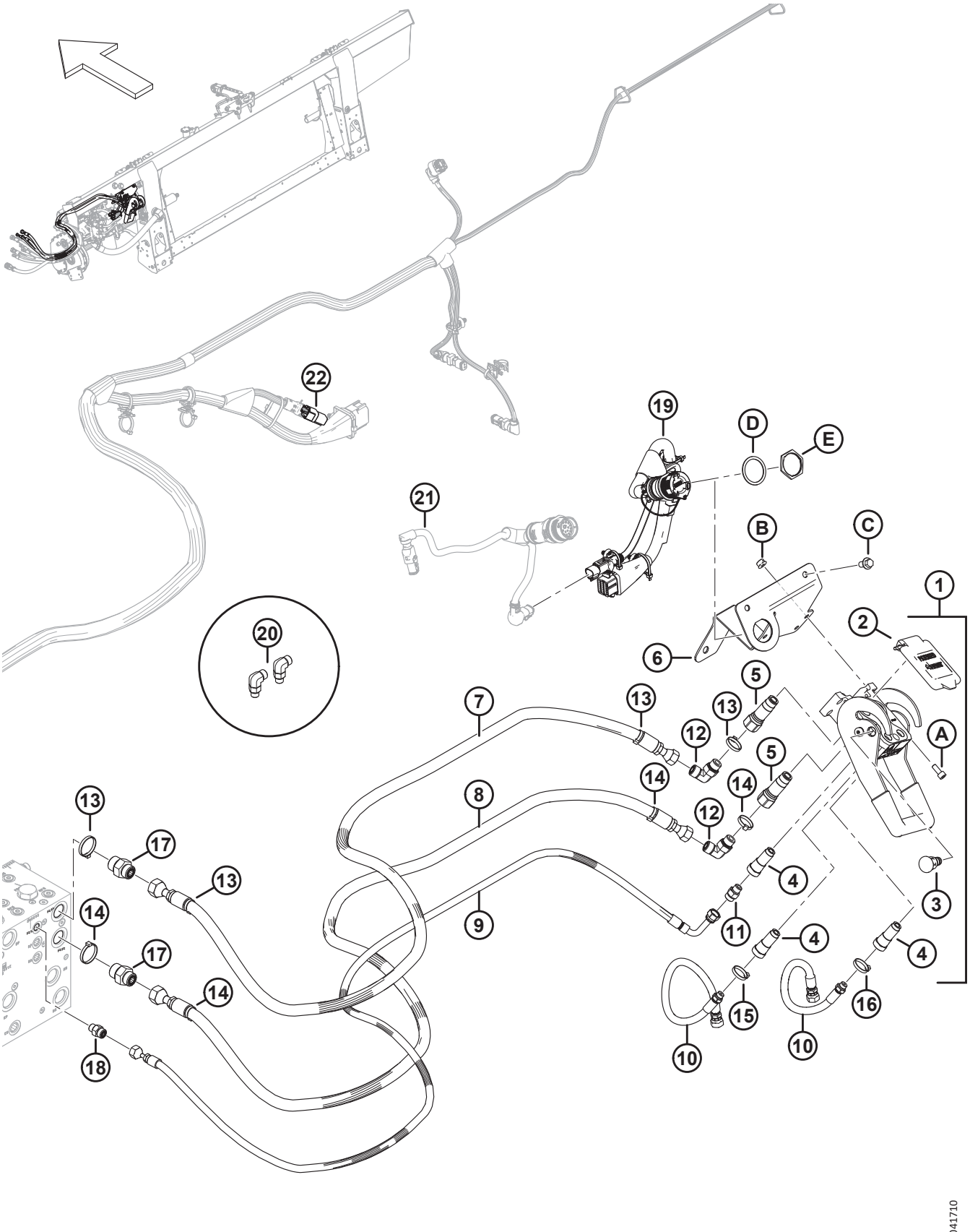




Ref	Part Number	Description	Qty	Serial Number
	B7311	KIT – RSM 161 TRANSITION FRAME [631]		
1	347498	FRAME – RSM161 W/DECAL	1	
2	357195	COVER – FEED AUGER TOP	1	
3	301629	RETAINER – DUST COVER	1	
4	347532	ANCHOR – RSM	2	
A	184657	BOLT – RHSSN M10 X 1.5 X 20-8.8-AA1J		
B	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10		
C	184662	BOLT – RHSN TFL M10 X 1.5 X 30-8.8-AA1J		
D	152730	BOLT – HEX HD TFL M12 X 1.75 X 35-10.9-AA1J		
E	184714	WASHER – FLAT REG M12-300HV		
F	184667	BOLT – RHSN M12 X 1.75 X 30-8.8-ZINC		
G	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10		

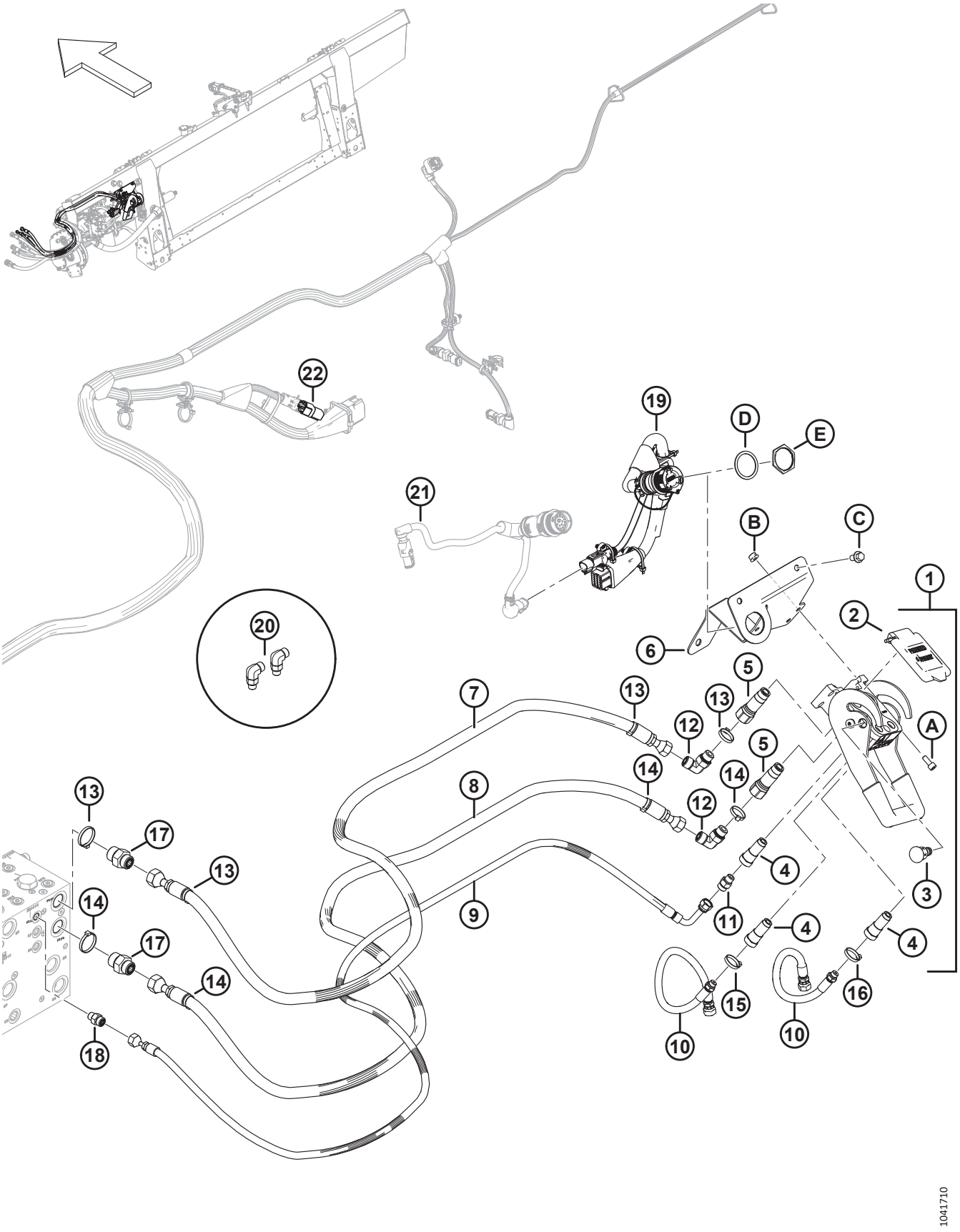
631. Kits are available through Whole Goods only.

194 Rostselmash – Hydraulic/Electrical Completion



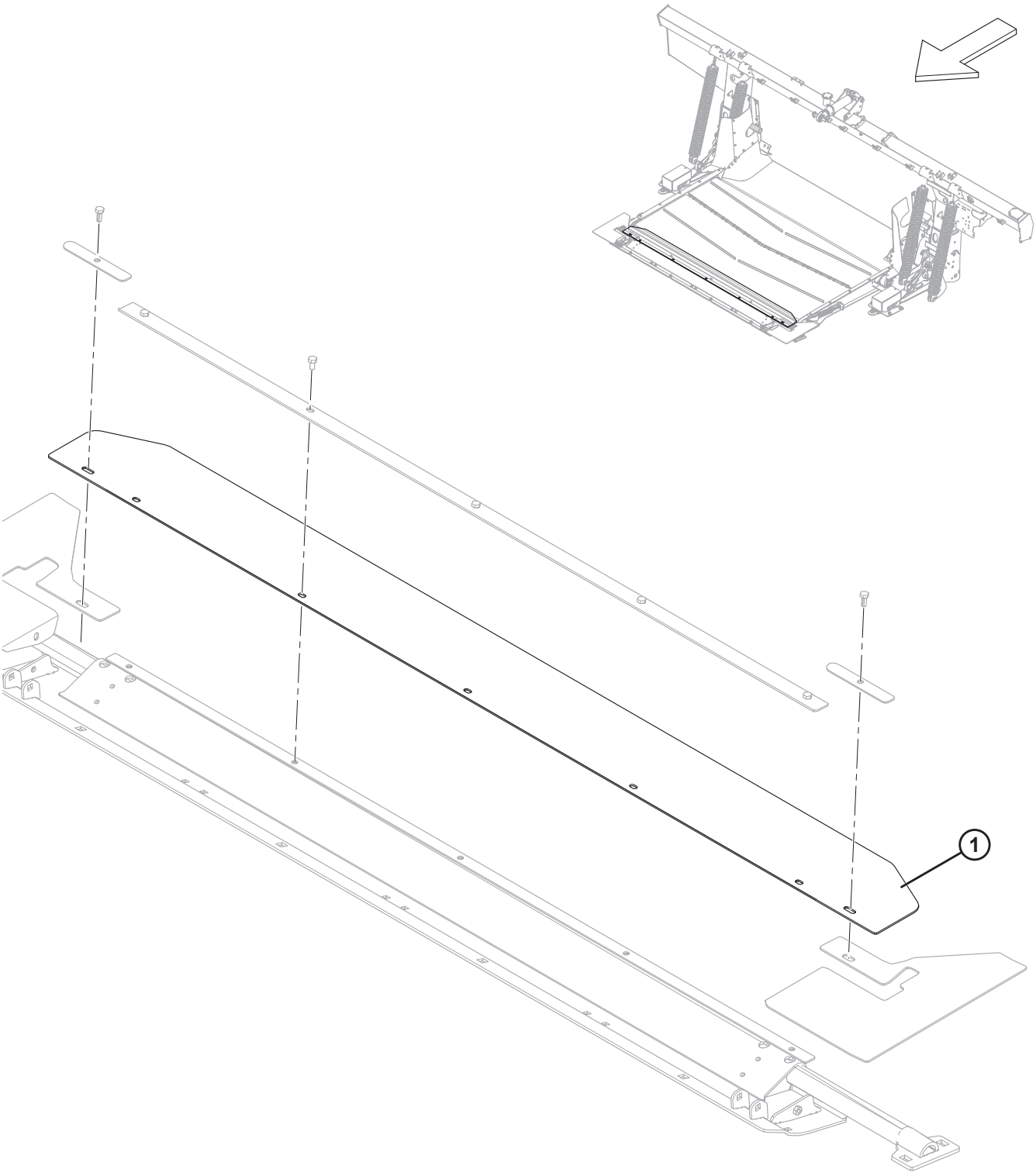
Ref	Part Number	Description	Qty	Serial Number
	B7407	KIT – RSM HYD ELEC COMPLETION [632]		
1	153151	COUPLING – MULTI [633]	1	
2	129800	KIT – COVER CNH MULTI-COUPLER	1	
3	129801	KIT – LATCH BUTTON	1	
4	129976	COUPLING 1/4 IN.	3	
5	129977	COUPLING 3/8 IN.	2	
6	328874	SUPPORT WELDT – CNH MULTI COUPLER	1	
7	314586	HOSE – HYD, REEL DRIVE PRESSURE CNH	1	
8	314587	HOSE – HYD, REEL DRIVE RETURN CNH	1	
9	314588	HOSE – HYD, REEL LIFT, CNH	1	
10	314585	HOSE – HYD, REEL F-A, CNH	2	
11	252694	FITTING – ADAPTER .052 ORIFICE	1	
12	136220	FITTING – ELBOW 90° HYD	2	
	44209	O-RING – Ø2.21 X Ø16.36		
	135866	O-RING – Ø1.78 X Ø12.42		
13	49232	FASTENER – CABLE TIE, WHITE	4	
14	40701	FASTENER – CABLE TIE, YELLOW	4	
15	40702	FASTENER – CABLE TIE, RED	2	
16	49227	FASTENER – CABLE TIE, GREEN	2	
17	135786	FITTING – ADAPTER	2	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
18	135778	FITTING – ADAPTER	1	
	50219	O-RING – Ø1.98 X Ø11.89		
	135865	O-RING – Ø1.78 X Ø9.25		
19	347630	HARNESS – COMP., ROSTSELMASH	1	
20	136095	FITTING – ELBOW 90° HYD	2	
	135865	O-RING – 1.78 X 9.25		
	50219	O-RING – 1.98 X 11.89		
21	REF	HARNESS – CAB ADAPTER [634]	1	
	REF	MODULE – VALVE DRIVER [634]	1	
22	REF	PLUG – FLOAT CONFIG. 2 SENSOR (LATERAL TILT) [635]	1	
A	167307	SCREW – HEX SOC HD M8 X 1.25 X 20-8.8-AA1J		

632. Kits are available through Whole Goods only.
633. The multicoupler includes multicoupler cover kit (MD #129800), latch button kit (MD #129801), three 1/4 inch couplings (MD #129976), and two 3/8 inch coupling (MD #129977).
634. For the harness, valve driver module, and hardware, refer to Section *170 Electrical – Base, page 401*.
635. The lateral tilt float plug (MD #328318) connects to the float module's main harness at P600. The float plug comes preinstalled for model year 2024 and later incomplete-configured machines and is required when converting from machines configured for Case or John Deere X9 Series combines, but it is NOT included in the completion package (B7407). To order the float plug complete with installation instructions, refer to Section *170 Electrical – Base, page 401*.


22
19
D
E
21
B
C
1
2
6
20
5
7
13
12
A
14
8
17
4
3
9
11
15
16
10
18
1041710

Ref	Part Number	Description	Qty	Serial Number
B	135337	NUT – HEX FLG CTR LK M8 X 1.25-8-AA1J		
C	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
D	134011	WASHER – LOCK SPRING, DEUTSCH HD, SIZE 24		
E	134010	NUT – PANEL, HD 30, SIZE 24		

195 (Option) Extended Center Filler

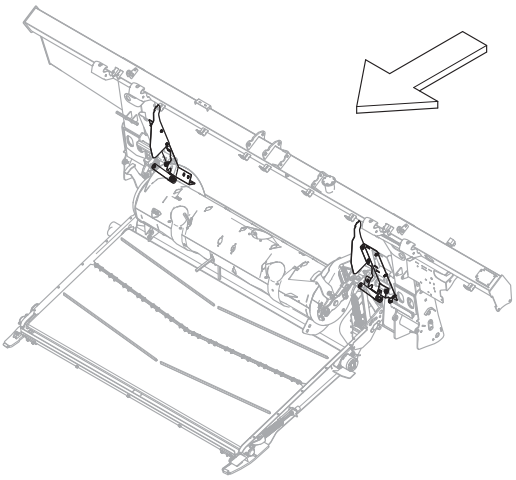


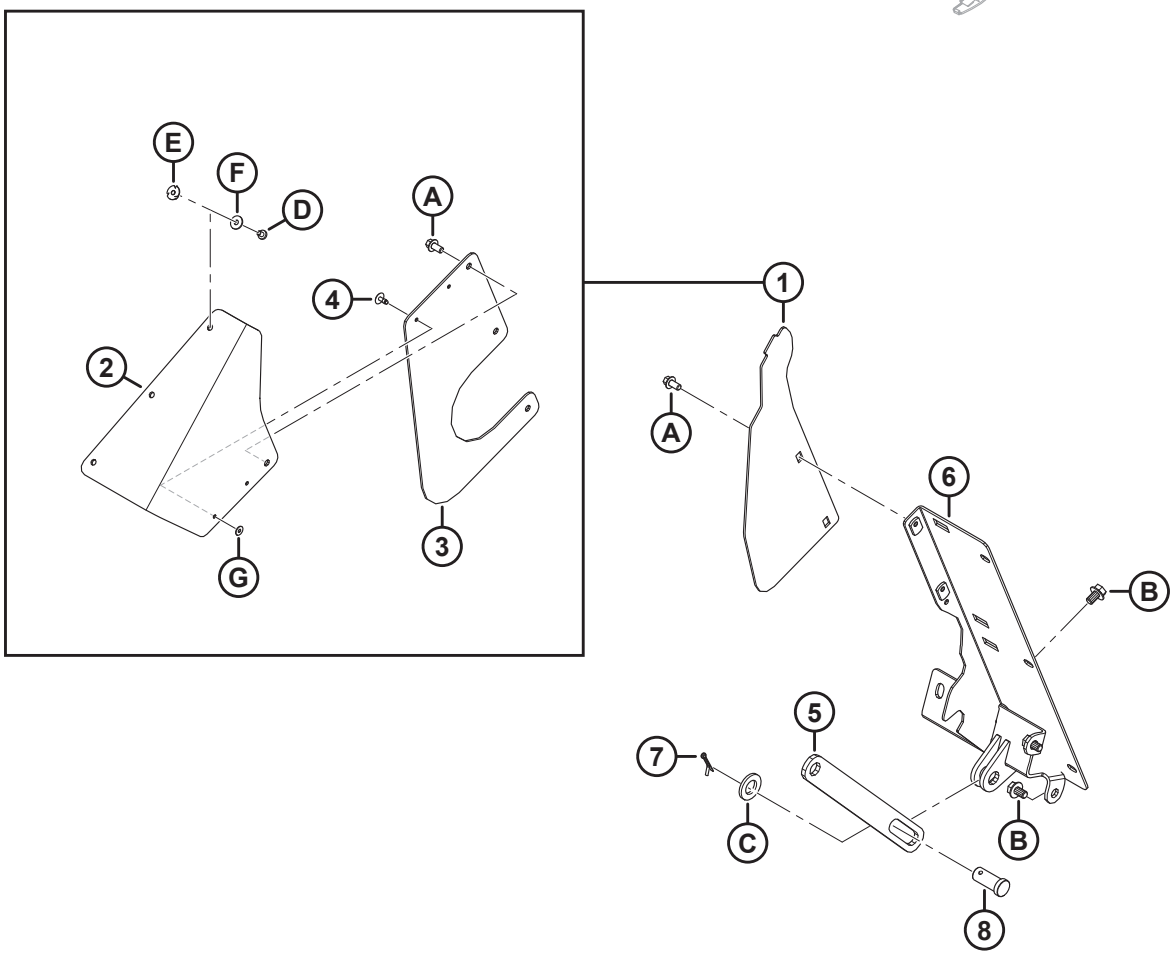
(OPTION) EXTENDED CENTER FILLER

Ref	Part Number	Description	Qty	Serial Number
	B6450	KIT – EXTENDED CENTER FILLER[636]		
1	295542	FILLER – PAN CENTER EXTENDED	1	

636. Kits are available through Whole Goods only.

196 (Option) FM200 Fillers and Links





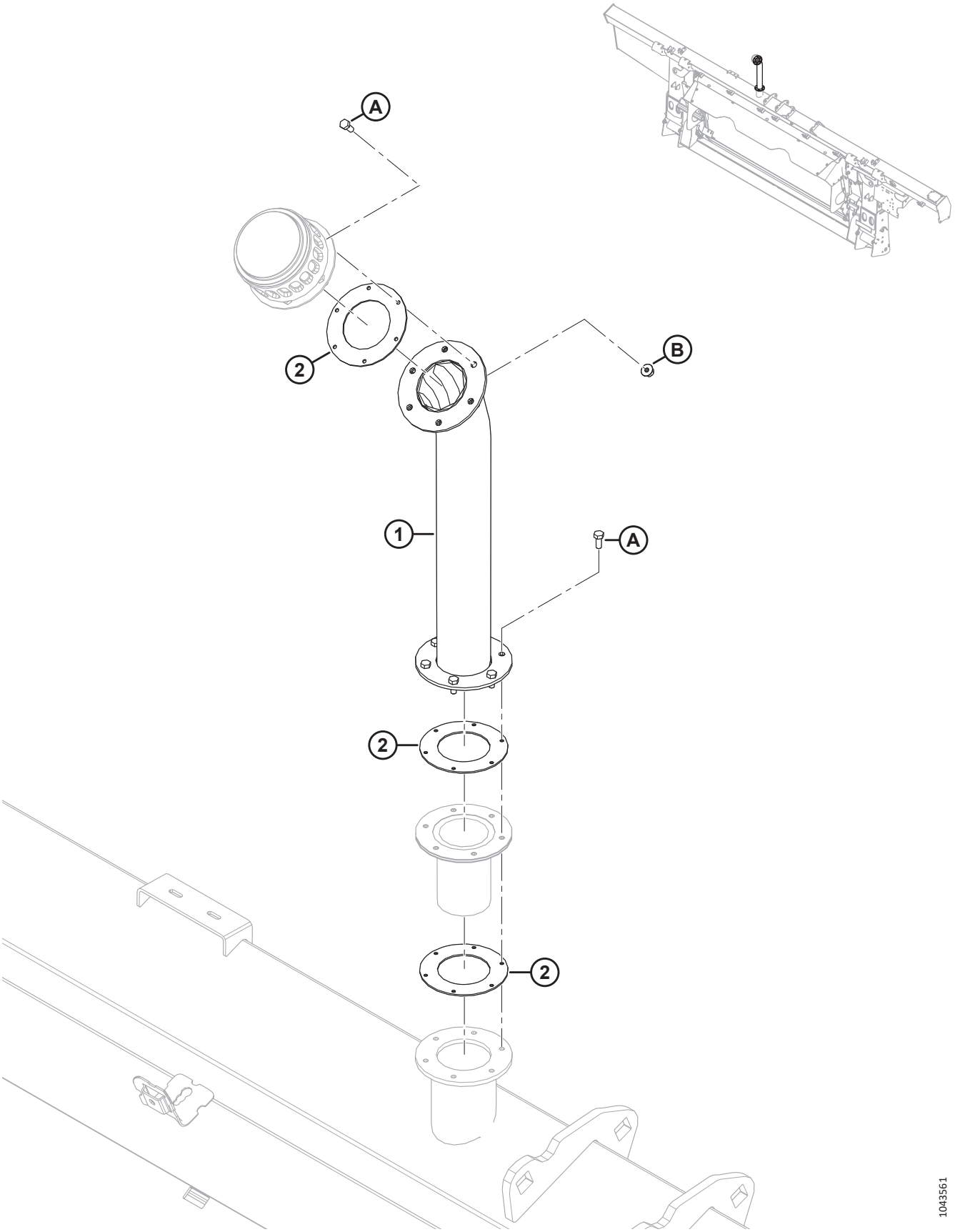
1039547

(OPTION) FM200 FILLERS AND LINKS

Ref	Part Number	Description	Qty	Serial Number
	B7342	KIT – FM200 ADAPTER FILLERS AND LINKS [637]		
1	357512	KIT – DUST COVER SIDES [638]	A/R	
2	357174	FLAP – DUST COVER FILLER	2	
3	357173	COVER – FEED AUGER SIDE	2	
4	293053	RIVET – POP	4	
5	322914	BAR – AUGER SUPPORT LIMITER	1	
6	NSS	FILLER – WELDMENT LH	1	
	NSS	FILLER – WELDMENT RH	1	
7	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
8	11814	PIN – CLEVIS, 23.8 MM, 30 MM ZN PL	2	
A	136485	BOLT – HEX FLG HD TFL M8 X 1.25 X 16-8.8-AA1J		
B	136151	BOLT – HEX FLG HD TFL M10 X 1.5 X 16-8.8-AA1J		
C	112130	WASHER – HARD ASTM F4363/4 IN. NOM. ID AB0C		
D	252291	SCREW – PAN HD M6 X 1 X 8-8.8-AA1J		
E	252051	NUT – TEE M6		
F	184706	WASHER – FLAT LARGE M6-200HV		
G	293054	WASHER – FLAT LARGE M5-200HV-AA1J [639]		

637. The FM200 Adapter Fillers and Links kit is used to convert John Deere X9 Series-configured FM200 Float Modules for use with other combine brands and models. Kits are available through Whole Goods only.
638. This kit is used to service units with superseded side covers (MD #347558). The kit includes two dust cover filler flaps (MD #357174), two feed auger side covers (MD #357173), four pop rivets (MD #293053), and hardware.
639. Washer (MD #293054) is not included in the kit, order this washer separately.

197 (Option) Hillside Extension

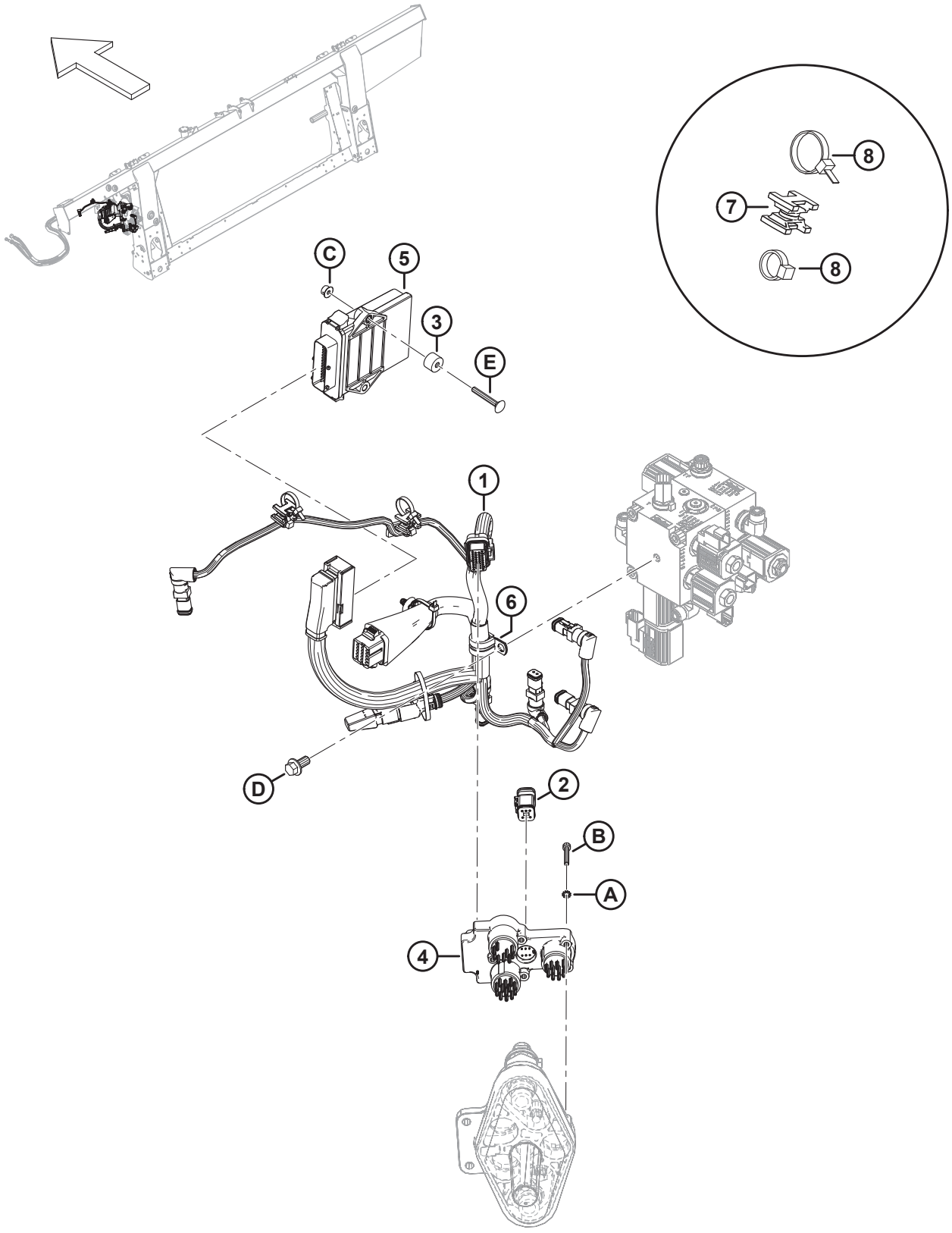


(OPTION) HILLSIDE EXTENSION

Ref	Part Number	Description	Qty	Serial Number
	B7542	**KIT – HYDRAULIC RESERVOIR FILL EXTENSION** [640]		
	284975	**KIT – HYDRAULIC RESERVOIR FILL EXTENSION** [641]		
1	NSS	HYD RESERVOIR FILL EXTENSION	1	
2	**312706**	**KIT – OIL FILL GASKETS** [642]	**A/R**	
	166450	DECAL – WARNING, HOT SURFACE	2	
A	320397	SCREW – HEX HD TFL M5 X 0.8 X 12-8.8-PLAIN (2022 AND LATER) [643]		421190–
	135873	SCREW – MACH #10-32 X 0.5 IN. HEX (2021 AND PRIOR) [643]		–421189
B	**136635**	**NUT – HEX FLG CTR LOC M5 X 0.8-8-AA1J**		

640. The kit includes hydraulic reservoir fill extension (NSS), 3 gaskets (NSS), 2 decals (MD #166450), 12 metric screws (MD #320397), 6 metric nuts (MD #136635), and instructions. For model year 2021 and prior machines with imperial threaded holes, order imperial screws (MD #135873) separately. Kits are available through Whole Goods only.
641. The kit includes hydraulic reservoir fill extension (NSS), 3 gaskets (NSS), 2 decals (MD #166450),12 metric screws (MD #320397), 6 metric nuts (MD #136635), and instructions. For model year 2021 and prior machines with imperial threaded holes, order imperial screws (MD #135873) separately.
642. The Oil Fill Gaskets kit includes two gaskets (NSS).
643. On model year 2021 and prior units, use imperial screw (MD #135873) to prevent cross threading a metric bolt into an imperial threaded hole.

198 (Option) Integration Kit – CLAAS

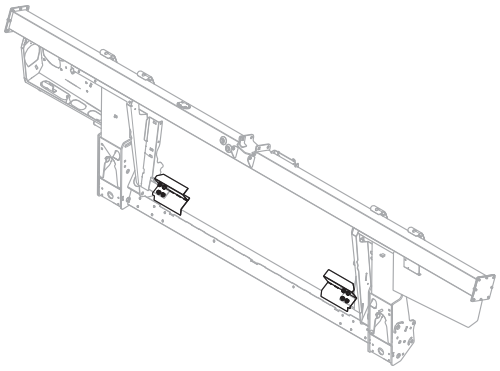


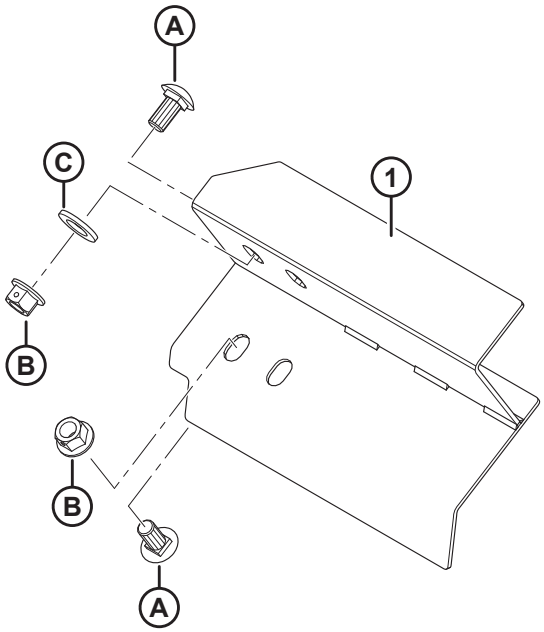
(OPTION) INTEGRATION KIT – CLAAS

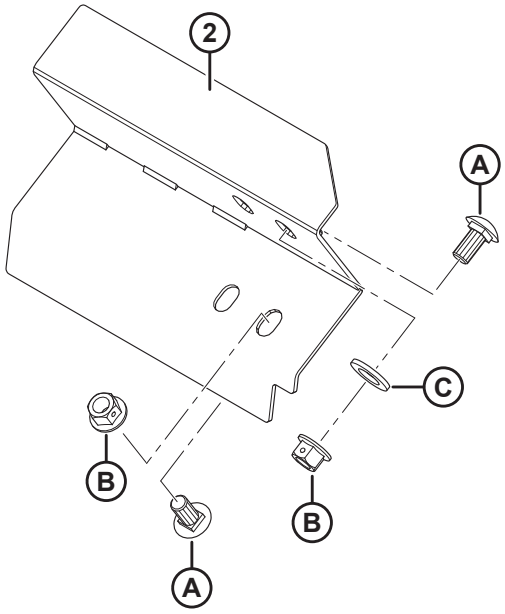
Ref	Part Number	Description	Qty	Serial Number
	B7231	KIT – INTEGRATION, CLAAS [644]		
1	357119	HARNESS – FM2 COMP, CLAAS INTEGRATION CONTROLLER	1	
	283215	DIODE PACK – 6A DIODE [645]	1	
2	337352	PLUG – TERMINATOR	1	
3	328913	SPACER	2	
4	**500605**	**COUPLER MODULE**	**1**	
5	328065	MODULE – HEADER INTEGRATION	1	
6	135709	CLAMP – INSULATED 3/4 IN.	1	
7	134442	SPACER – DUAL SWIVEL SADDLE	2	
8	21763	FASTENER – CABLE TIE, BLACK	4	
A	184703	WASHER – EXT LK TOOTH M5-200HV-AF0C		
B	173117	SCREW – HEX SOC HD M5 X 0.8 X 35-8.8-AA1J		
C	152668	NUT – HEX FLG CTR LOC M6 X 1-8		
D	152655	BOLT – HEX FLG HD M10 X 1.5 X 20-8.8-AA1J		
E	136731	BOLT – RHSN M6 X 1 X 45-8.8-AA1J		

644. Kits are available through Whole Goods only.
645. Service part for CLAAS completion harness MD #337119.

199 (Option) Stripper Bars







1023852

Ref	Part Number	Description	Qty	Serial Number
	B6042	KIT – STRIPPER BARS, 265 MM LG (WITHOUT CUTOUT) [646]		
	B6043	KIT – STRIPPER BARS, 265 MM LG (WITH CUTOUT) [646]		
	B6044	KIT – STRIPPER BARS, 325 MM LG [646]		
	B6045	KIT – STRIPPER BARS, 365 MM LG [646]		
	B6046	KIT – STRIPPER BARS, 403 MM LG [646]		
	B6213	KIT – STRIPPER BARS, 515 MM LG [646]		
1	213523	STRIPPER – WELDMENT, LEFT (265 MM LG W/O CUTOUT)	1	
	276899	STRIPPER – WELDMENT, LEFT (265 MM LG W/ CUTOUT) [647]	1	
	213573	STRIPPER – WELDMENT, LEFT (325 MM LG)	1	
	213567	STRIPPER – WELDMENT, LEFT (365 MM LG)	1	
	213561	STRIPPER – WELDMENT, LEFT (403 MM LG)	1	
	213579	STRIPPER – WELDMENT, LEFT (515 MM LG)	1	
2	213525	STRIPPER – WELDMENT, RIGHT (265 MM LG W/O CUTOUT)	1	
	276900	STRIPPER – WELDMENT, RIGHT (265 MM LG W/ CUTOUT) [647]	1	
	213574	STRIPPER – WELDMENT, RIGHT (325 MM LG)	1	
	213568	STRIPPER – WELDMENT, RIGHT (365 MM LG)	1	
	213562	STRIPPER – WELDMENT, RIGHT (403 MM LG)	1	
	213580	STRIPPER – WELDMENT, RIGHT (515 MM LG)	1	
A	135903	BOLT – RHSN M12 X 1.75 X 25-8.8-A3L		
B	136431	NUT – HEX FLG CTR LOC M12 X 1.75-10-A3L		
C	184717	WASHER – FLAT REG M16-200HV-AA1J		

646. Kits are available through Whole Goods only.
647. For John Deere S6X0 Series combines.

Index

795 358
1709 378
4761 70
5512 342
6647 342
7642 ..... 174, 352
7674 ..... 182, 184, 186
9213 358
9333 358
11695 70
11814 ..... 362, 474
13125 ..... 2, 6, 232, 246, 418, 434
13617 386
16235 86
16266 10
16681 ..... 80, 82, 84
17006 330
18592 430
18598 360
18601 ..... 130, 132, 324, 362, 374
18603 ..... 70, 394
18605 86
18606 ..... 70, 310, 314
18607 ..... 80, 82, 84, 86, 88, 92, 96, 238, 340
18608 ..... 236, 240, 288, 372, 378
18609 ..... 234, 290, 372, 392
18619 246
18621 ..... 74, 80, 82, 84
18624 298
18626 ..... 76, 78
18629 ..... 76, 78
18637 ..... 24, 26, 28, 30
18638 ..... 354, 360
18648 ..... 74, 76, 78, 236, 246, 288, 362, 474
18671 ..... 86, 236, 246, 288, 370
18704 ..... 80, 82, 84
18768 ..... 310, 314
18798 ..... 238, 326
18867 ..... 24, 26, 28, 30
18898 ..... 232, 380
18916 ..... 238, 290
19542 248
19809 434
19958 86
20312 372
21010 386
21032 236
21061 330
21194 70
21235 ..... 354, 358
21301 ..... 88, 92, 96
21349 222
21363 328
21383 258
21540 378
21572 300
21763 ..... 6, 124, 170, 172, 214, 222, 230, 236, 310, 314, 330, 392, 396, 402, 404, 406, 432, 436, 440, 456, 464, 478
21859 ..... 308, 312
23163 410
23164 188
23165 ..... 322, 410
23950 204
23957 204
25991 204
26429 246
30144 74
30228 292
30316 ..... 344, 348
30368 258
30441 ..... 32, 34
30463 378
30505 ..... 32, 34, 360, 362
30515 258
30520 ..... 86, 236, 288
30627 ..... 224, 310, 314, 348, 374
30628 ..... 20, 174, 390
30629 74
30630 ..... 90, 94, 96, 430
30631 ..... 182, 184, 186, 322
30632 ..... 310, 314, 338, 416, 422, 446, 454
30636 376
30655 ..... 90, 94
30660 ..... 140, 142, 144, 146, 150, 152, 224, 322
30661 ..... 308, 312
30693 394
30701 340
30702 340
30715 ..... 238, 242, 256, 380
30716 ..... 302, 306
30753 ..... 140, 144, 146, 150, 152, 224, 230, 324, 370, 396, 414, 420, 432, 436, 446, 454
30934 ..... 310, 314
30971 ..... 124, 126, 128, 132, 134, 138, 154, 158, 162, 224, 228, 326, 330, 400, 416, 420
31465 360
31774 ..... 90, 94, 96, 374
32070 ..... 188, 410
32247 434
32879 204
32880 204
36651 ..... 344, 348
39272 240
40095 344

INDEX

40701.....124, 228, 414, 420, 426, 432, 436, 446, 454, 460, 468
40702.....124, 228, 330, 392, 400, 414, 420, 426, 432, 446, 454, 460, 468
40703.....124, 228, 330, 392, 400, 436
40704.....124, 228, 330, 392, 400, 436
42592.....32
43219.....178
44209.....124, 126, 128, 132, 226, 228, 324, 400, 426, 444, 452, 460, 468
44210.....128, 132, 134, 136, 154, 158, 308, 312, 330, 400, 414, 422, 432, 436, 444, 452
45427.....394
49227.....124, 228, 392, 400, 414, 420, 426, 432, 446, 454, 460, 468
49232.....124, 228, 414, 420, 426, 432, 436, 446, 454, 460, 468
49306.....308, 312
49378.....246
49904.....372
50071.....174
50083.....354
50139.....380
50140.....322
50154.....356
50155.....94, 356, 360
50186.....258
50193.....10, 122
50219.....74, 76, 78, 124, 126, 136, 138, 140, 142, 144, 148, 150, 152, 220, 226, 228, 392, 414, 416, 420, 426, 432, 436, 444, 446, 452, 454, 460, 468
50220.....126, 330, 398, 400
50223.....128, 132, 308, 312
100500.....60, 64, 68, 372
100577.....126
100709.....72
100710.....72
100712.....72
100714.....72
100715.....72
100717.....72
100718.....72
100719.....72
100720.....72
100721.....72
100722.....72
100723.....72
100726.....72
100862.....386
101007.....236, 288
101095.....298
101897.....24, 26, 28, 30
102264.....218, 246, 298, 392
102629.....72
102630.....72
102711.....126, 454
103575.....126
103879.....86
108172.....292, 294, 310, 314
109773.....404, 406
111521.....88, 92
111528.....380
111545.....398
111981.....228
111982.....228
111983.....228
111984.....226, 228
111985.....228
111986.....228
112130.....38, 40, 362, 474
112640.....148
112823.....154, 158
113152.....72
113153.....72
113222.....60, 64, 68, 372
113229.....70
113561.....240, 434
113566.....240
113799.....424
113937.....60, 64, 68
114142.....432
114143.....432
115146.....188, 410
115670.....60, 64, 68
115759.....188
118011.....386
118029.....230
118137.....218
118239.....240
119529.....302, 306
119558.....302, 304
119560.....302
119565.....302
119593.....298
119623.....298
119641.....298
119653.....302, 304
119654.....302, 304
119655.....302
119656.....302
119666.....298
119667.....298
119672.....298
119691.....298, 304
119692.....304
119693.....304
119694.....304
119696.....298
119697.....298
119705.....298

119706 298
119725 298
119726 ..... 302, 306
119737 306
119738 298
119757 298
119766 302
120845 ..... 32, 34
120901 70
123180 ..... 352, 366
123318 332
123406 360
123978 392
124399 218
129148 ..... 414, 420
129149 ..... 444, 452
129313 188
129481 436
129772 440
129800 ..... 426, 460, 468
129801 ..... 426, 460, 468
129859 ..... 444, 452
129860 ..... 444, 452
129965 440
129976 ..... 426, 460, 468
129977 ..... 426, 460, 468
130283 384
132117 ..... 188, 410
132531 32
132607 ..... 32, 34
133047 374
133136 394
133138 434
133241 430
133242 430
133372 386
133439 434
133631 344
133632 346
133634 344
133641 350
133877 352
133942 326
133992 ..... 236, 288
134010 ..... 428, 462, 470
134011 ..... 428, 462, 470
134043 ..... 214, 456
134437 332
134442 ..... 170, 172, 228, 310, 314, 324, 402, 440, 456, 478
134602 224
134603 224
134612 440
134728 ..... 170, 172, 402, 416, 432, 440
134730 ..... 170, 172, 402, 416, 432, 440
135148 204
135156 ..... 238, 290, 356, 360
135157 360
135234 392
135235 316
135238 228
135248 300
135266 124
135267 ..... 420, 444, 452
135290 358
135301 456
135319 248
135335 ..... 122, 328
135336 20
135337 ..... 2, 6, 8, 20, 24, 26, 28, 30, 32, 36, 38, 40, 42, 86, 110, 112, 114, 116, 136, 156, 158, 178, 180, 220, 224, 230, 242, 248, 256, 310, 314, 322, 368, 388, 390, 416, 422, 428, 432, 438, 446, 454, 460, 470
135369 ..... 238, 356, 360
135400 398
135401 336
135408 232
135443 ..... 136, 140, 150, 152, 154, 158
135444 ..... 142, 148, 154, 158, 224, 414, 420, 446, 454
135479 226
135523 248
135554 ..... 330, 398
135598 414
135626 384
135630 ..... 280, 282, 284, 286, 384
135696 ..... 20, 224, 244, 248
135709 ..... 440, 478
135714 224
135716 236
135723 366
135734 398
135778 ..... 76, 78, 124, 136, 140, 142, 144, 146, 148, 150, 152, 220, 228, 392, 416, 420, 426, 432, 436, 444, 446, 452, 460, 468
135780 ..... 124, 128, 132, 228, 324, 400
135781 228
135783 ..... 216, 298, 328, 342
135785 ..... 8, 20, 24, 26, 28, 30, 32, 156, 158, 216, 300, 310, 314, 322, 362, 382, 390
135786 ..... 124, 416, 420, 426, 432, 436, 444, 454, 460, 468
135788 ..... 124, 128, 132, 134, 154, 158, 162, 228, 330, 400
135789 ..... 330, 400
135799 ..... 2, 6, 8, 12, 20, 24, 26, 28, 30, 32, 48, 74, 76, 78, 102, 104, 110, 112, 114, 116, 118, 120, 122, 130, 132, 134, 136, 138, 156, 158, 174, 208, 216, 218, 224, 230, 238, 244, 248, 264, 268, 300, 310, 314, 318, 322, 344, 348, 350, 354, 362, 364, 366,

368, 374, 380, 382, 386, 390, 412, 418, 424, 430, 434, 442, 448, 450, 458, 466
135800 ..... 292, 294
135821 ..... 138, 228, 330, 400
135852 224
135865 ..... 74, 76, 78, 124, 136, 138, 140, 142, 144, 146, 148, 150, 152, 220, 226, 228, 316, 392, 414, 416, 420, 426, 432, 436, 444, 446, 452, 454, 460, 468
135866 ..... 124, 128, 132, 226, 228, 324, 330, 400, 426, 432, 436, 444, 452, 460, 468
135867 ..... 124, 128, 132, 134, 136, 154, 158, 228, 308, 312, 414, 416, 420, 422
135868 ..... 124, 128, 132, 134, 136, 138, 154, 158, 162, 224, 228, 330, 400
135873 476
135887 224
135888 228
135889 162
135894 ..... 20, 32, 38, 40, 178, 180, 416, 422, 446, 454
135900 ..... 310, 314, 356, 450
135903 ..... 24, 26, 28, 30, 34, 36, 38, 40, 80, 82, 84, 212, 218, 380, 418, 434, 442, 458, 480
135952 126
135957 ..... 128, 132, 308, 312
135959 ..... 6, 94, 212
135985 228
135995 ..... 372, 392
136005 ..... 50, 52, 54, 56, 280, 282, 284, 286
136034 228
136036 ..... 50, 52, 54, 56, 206, 274, 276, 278, 280, 282, 284, 286, 386, 434
136050 390
136088 378
136095 ..... 74, 78, 140, 144, 146, 148, 150, 152, 392, 414, 420, 436, 444, 452, 468
136097 220
136106 398
136108 436
136112 224
136113 ..... 310, 380
136122 ..... 4, 74, 78
136141 418
136143 ..... 80, 82, 84, 86
136144 ..... 74, 138, 148, 392, 436, 452
136145 ..... 140, 144, 146, 148
136146 ..... 142, 150, 152
136150 ..... 140, 144, 146
136151 ..... 48, 102, 104, 164, 166, 168, 216, 264, 268, 378, 394, 428, 432, 462, 470, 474
136167 ..... 182, 184, 212, 214
136178 ..... 6, 20, 208, 230, 364, 366, 374, 434
136181 414
136209 ..... 90, 94, 96
136211 ..... 164, 166, 168, 216
136219 444
136220 ..... 426, 460, 468
136231 ..... 20, 244, 380
136240 ..... 74, 148
136244 ..... 128, 132, 324
136245 ..... 128, 132, 134, 154, 162
136248 386
136249 ..... 228, 316
136254 158
136269 ..... 126, 326
136291 ..... 8, 90, 94, 360, 424
136300 ..... 110, 112, 114, 116, 178, 180, 220, 298
136302 322
136308 ..... 386, 396
136310 ..... 76, 78
136312 206
136327 ..... 154, 158
136339 ..... 10, 248, 302, 322
136342 ..... 10, 248, 302, 322
136355 ..... 130, 132, 134, 156, 158, 162
136378 362
136395 ..... 110, 112, 114, 116, 118, 264, 268, 318
136399 122
136401 ..... 90, 94
136410 220
136431 ..... 2, 8, 20, 24, 26, 28, 30, 32, 34, 36, 38, 40, 70, 80, 82, 84, 88, 94, 96, 100, 102, 104, 110, 114, 118, 212, 218, 224, 238, 242, 244, 248, 264, 268, 290, 310, 314, 328, 356, 360, 368, 376, 380, 386, 394, 396, 412, 418, 424, 430, 434, 442, 448, 450, 458, 466, 480
136438 324
136440 ..... 24, 26, 74, 78, 238, 290, 298, 356, 360, 394
136441 356
136442 ..... 130, 132, 134, 136, 140, 142, 144, 146, 148, 150, 152, 156, 160, 164, 216
136443 94
136445 86
136446 ..... 90, 94, 96, 238
136464 222
136476 ..... 418, 458
136485 ..... 86, 176, 178, 180, 248, 326, 380, 474
136486 ..... 136, 156, 158
136492 8
136495 ..... 130, 132, 134
136506 ..... 368, 412, 434, 450
136524 126
136527 154
136540 ..... 140, 142, 144, 146, 148, 150, 152
136561 ..... 176, 178, 182, 184, 186, 322
136592 ..... 88, 94, 380
136595 178
136596 374
136604 176
136613 176
136625 434

136635 ..... 178, 224, 476
136640 ..... 2, 20, 114, 118, 120, 264, 268
136653 316
136654 316
136655 ..... 172, 370, 402, 406, 440, 464
136671 4
136701 ..... 74, 78
136702 ..... 90, 94
136704 374
136717 424
136731 ..... 440, 478
136736 ..... 20, 360
136748 ..... 180, 456
136749 ..... 12, 208, 298
136755 394
136757 360
136759 ..... 32, 36, 38, 40, 90, 94, 224, 248, 322, 352
136771 406
136773 ..... 214, 238, 242, 322
136824 ..... 42, 178, 180
136842 ..... 90, 94
136850 126
136857 238
136882 ..... 88, 92
136886 406
136900 332
137092 292
137118 292
137375 ..... 70, 88, 92, 308, 312
137476 ..... 88, 92, 96
137519 292
137529 ..... 100, 262, 266
137721 ..... 88, 92
137754 292
137825 92
137980 ..... 98, 262, 266
139003 72
140225 410
140250 96
141220 240
141783 226
142777 344
143107 70
144505 226
144531 ..... 240, 288
144724 238
145249 ..... 32, 34
145558 ..... 24, 26
145840 ..... 24, 26, 28, 30
150891 344
151691 358
151793 358
151941 448
151942 448
152274 328
152395 394
152439 ..... 80, 82, 84, 368
152520 ..... 76, 78, 380, 386
152602 70
152655 ..... 2, 20, 48, 112, 116, 244, 248, 264, 268, 296, 328, 366, 394, 416, 422, 438, 440, 446, 454, 478
152668 ..... 6, 88, 94, 122, 140, 144, 146, 176, 180, 212, 242, 322, 374, 440, 454, 456, 478
152670 322
152702 238
152730 ..... 32, 86, 88, 94, 96, 360, 398, 412, 418, 424, 448, 450, 466
152731 ..... 258, 328, 424
152732 ..... 32, 74, 76, 78, 248, 314, 316
152779 ..... 238, 248, 328
153151 ..... 426, 460, 468
156178 74
156501 372
156696 326
156741 372
156743 ..... 360, 374
156783 434
156948 ..... 424, 458
158080 418
158174 126
159020 390
162116 436
163598 ..... 414, 420, 446, 454
164061 ..... 88, 92, 96
164213 ..... 88, 92, 96
164214 ..... 88, 92, 96
164215 86
164216 86
165168 122
165524 ..... 14, 16, 18, 188, 238
165588 122
165735 ..... 32, 34
166450 476
167307 ..... 426, 460, 468
172259 34
172340 ..... 308, 312
172558 360
173117 ..... 440, 478
174131 410
174304 ..... 70, 308, 312
174436 188
174849 ..... 98, 262, 266, 280, 282, 284, 286
174879 ..... 76, 78
181475 298
181649 358
182181 ..... 444, 452
182182 ..... 444, 452
183506 354
183508 ..... 354, 358
184303 ..... 136, 140, 142, 144, 146, 150, 152, 220

184460 ..... 444, 452
184461 ..... 128, 132, 134, 136, 308, 312, 422
184462 ..... 432, 444, 452
184463 ..... 330, 396, 400, 432, 436, 444, 452
184524 ..... 446, 454
184584 ..... 292, 294
184587 336
184597 ..... 98, 262, 268
184603 ..... 444, 452
184642 180
184643 242
184644 ..... 140, 144, 146, 454
184646 ..... 238, 242
184648 ..... 230, 390
184649 2
184652 ..... 256, 302, 306, 390, 438
184654 230
184656 ..... 142, 148, 156, 158, 248
184657 ..... 6, 380, 412, 418, 424, 430, 434, 442, 448, 458, 466
184658 ..... 136, 138
184659 374
184661 ..... 2, 12, 34, 310, 314, 322
184662 ..... 34, 122, 218, 344, 350, 354, 368, 374, 412, 466
184663 70
184664 ..... 258, 374
184665 ..... 2, 248, 310, 314, 328
184667 ..... 2, 8, 90, 94, 224, 242, 298, 412, 424, 430, 448, 450, 466
184669 ..... 70, 376, 434, 442, 458
184672 242
184673 ..... 70, 248
184675 ..... 352, 434
184679 242
184683 176
184685 178
184692 ..... 122, 130, 132, 134, 136, 140, 142, 144, 146, 148, 150, 152, 156, 160, 164, 216
184694 388
184695 248
184696 ..... 12, 70, 272, 322
184697 ..... 98, 258, 262, 266
184701 176
184703 ..... 440, 478
184705 ..... 178, 406
184706 ..... 22, 326, 474
184708 ..... 88, 94, 238, 322
184709 ..... 44, 46, 242, 248, 302, 306, 380, 390
184711 ..... 20, 32, 34, 122, 178, 180, 224, 328, 388, 390, 416, 422, 436, 444, 446, 452, 454
184712 ..... 2, 310, 314, 374
184714 ..... 50, 52, 54, 56, 94, 248, 328, 394, 398, 412, 418, 424, 430, 434, 442, 448, 450, 458, 466
184717 ..... 76, 78, 80, 82, 84, 242, 298, 418, 424, 448, 450, 480
184718 20
187018 414
187031 414
187137 ..... 364, 366
187428 ..... 354, 358
187477 342
187518 360
187660 392
190752 390
190866 436
191353 ..... 88, 92
191489 ..... 6, 24, 26, 28, 30, 36, 38, 40, 86, 310, 314
191704 ..... 444, 452
191705 ..... 444, 452
193187 240
193240 234
193241 234
193242 234
193243 234
194082 326
194521 344
197122 358
197135 ..... 88, 94
197171 ..... 24, 26, 28, 30, 230, 322, 368, 388, 390, 432
197225 224
197229 178
197230 ..... 176, 180
197263 ..... 352, 364, 366
197275 32
197319 ..... 374, 458
197320 ..... 238, 326, 458
197408 214
198927 222
206340 178
206966 232
207346 214
208172 226
208288 226
209045 330
210661 236
210690 234
210918 238
210985 ..... 234, 290
212250 372
213084 ..... 364, 366
213110 358
213112 358
213363 392
213418 382
213419 382
213420 358
213459 ..... 404, 406
213523 480

213525 480
213546 354
213552 354
213554 354
213561 480
213562 480
213567 480
213568 480
213573 480
213574 480
213579 480
213580 480
213608 352
213633 390
213634 390
213635 390
213649 354
213654 354
213656 352
213657 352
213659 354
213660 352
213679 354
213713 380
213731 354
213733 354
213750 354
213801 354
213802 354
213824 440
213851 ..... 354, 358
213857 358
213859 354
220084 188
220107 6
220317 358
220766 344
220807 202
220814 202
220817 198
220824 198
220831 200
220832 200
220834 200
220835 202
220836 198
220939 ..... 98, 262, 266
220941 ..... 98, 262, 266, 292
220959 ..... 444, 452
226280 ..... 50, 52, 54, 56, 206, 280, 282, 284, 286
226295 ..... 50, 52, 54, 56, 276, 278, 280, 282, 284, 286
226400 70
226861 ..... 54, 56
226926 70
226927 70
226941 ..... 60, 64, 68
226983 ..... 60, 64, 68
227656 32
227747 32
227914 ..... 32, 34
228292 ..... 88, 92, 96
228299 ..... 88, 92
228301 ..... 88, 92
228302 96
228316 ..... 100, 262, 266
228319 ..... 98, 262, 266
228322 86
228338 ..... 76, 78
228381 ..... 80, 82, 84
228382 92
228384 92
228385 92
228460 ..... 88, 92
228470 ..... 182, 184, 186
228471 ..... 182, 184
228473 ..... 182, 184, 186
228477 ..... 88, 92
228478 ..... 88, 92
228479 ..... 88, 92
228485 ..... 88, 92
228604 ..... 88, 92
228611 ..... 88, 92
228614 88
228619 92
228848 92
230968 ..... 240, 288
231368 382
231448 362
231765 390
232219 136
232233 ..... 136, 154, 158
232395 ..... 136, 140, 142, 144, 146, 150, 152, 220
232397 ..... 154, 158
232405 ..... 154, 158
232676 176
232762 272
232806 122
233371 ..... 308, 312
233443 ..... 310, 314
233445 ..... 310, 314
233446 ..... 310, 314
233447 ..... 310, 314
233450 ..... 308, 312
233513 ..... 308, 312
233514 ..... 310, 312
233516 314
233519 308
233552 312
233588 226
233621 ..... 310, 312

233622 ..... 310, 312
233623 ..... 310, 312
233625 ..... 310, 312
233635 274
233640 226
233642 226
233644 226
233646 226
233654 310
233655 310
233656 310
233657 310
233658 310
233659 310
233660 310
233661 310
233662 312
233663 312
233669 312
233705 ..... 310, 312
233706 ..... 310, 312
233724 ..... 308, 312
233725 ..... 308, 312
233736 308
233738 308
233740 312
233741 312
233745 ..... 310, 314
233748 206
233770 206
233799 274
233800 274
233841 246
233912 174
233913 174
233914 174
237316 434
237363 ..... 424, 458
240010 390
240013 390
240254 390
240264 390
243542 226
243604 224
243661 224
243711 224
243826 224
243830 224
243831 224
243840 224
243900 224
243983 226
243984 226
243985 226
243986 226
245158 ..... 308, 312
245246 434
245316 ..... 386, 396
245428 196
245432 196
245433 196
245753 398
245966 362
247222 236
248117 352
248144 358
248145 352
248261 372
248285 354
248348 362
248349 362
248388 358
248538 352
248643 ..... 176, 178
248833 390
248914 390
248960 ..... 414, 444, 452
251879 176
251881 176
252051 ..... 326, 390, 474
252176 122
252179 ..... 300, 306
252187 ..... 356, 358
252188 ..... 356, 358
252236 322
252272 ..... 238, 290, 386
252284 20
252288 358
252291 ..... 326, 390, 474
252292 322
252307 ..... 128, 132, 308, 312
252351 332
252398 322
252423 72
252462 328
252541 ..... 12, 356, 358
252564 374
252581 ..... 4, 74, 78
252621 ..... 308, 312
252633 ..... 136, 220
252638 354
252639 360
252650 414
252655 248
252687 ..... 98, 120, 262, 266, 280, 282, 284, 286
252691 ..... 354, 358
252692 392
252693 436
252694 ..... 426, 460, 468
252701 354

252703 ..... 352, 364, 366
252795 ..... 124, 324
252814 ..... 330, 398
252902 ..... 124, 226
252958 234
253607 224
253644 224
253645 224
253646 224
254183 392
255461 ..... 140, 144, 146
257054 72
257089 72
258318 ..... 232, 380
258391 246
258454 296
258458 296
258700 380
258703 232
258876 ..... 280, 282, 284, 286, 380
273031 212
273032 ..... 182, 184, 186, 212
273052 ..... 292, 294
273078 ..... 88, 92
273122 ..... 80, 82, 84
273138 ..... 80, 82, 84
273258 ..... 88, 92
273259 ..... 88, 92
273278 ..... 80, 84
273281 82
273283 ..... 80, 84
273284 ..... 82, 86
273285 ..... 154, 158
273304 ..... 80, 82, 84
273309 86
273347 ..... 100, 262, 266
273373 100
273375 ..... 102, 104
273376 100
273440 188
273451 270
273452 270
273453 270
273523 ..... 102, 104, 262, 266
273524 ..... 100, 262, 266, 298
273536 ..... 100, 262, 266
273594 270
273615 258
273637 86
273653 ..... 76, 78
273666 ..... 100, 102, 104
273680 74
273689 270
273758 ..... 88, 92
273759 96
273772 86
273777 ..... 80, 82, 84, 86, 298
273787 76
273788 78
273789 78
273790 74
273795 74
273813 ..... 118, 262
273823 118
273831 ..... 80, 82, 84, 86
273860 74
273861 ..... 80, 82, 84
273873 188
273875 ..... 88, 92
273907 ..... 88, 92, 270
273926 ..... 88, 92, 96
273963 ..... 88, 92, 270
273968 ..... 120, 262, 266
275211 32
275232 ..... 32, 34
275308 36
275309 36
275319 ..... 26, 30
275320 ..... 26, 30
275324 32
275332 34
275348 32
275375 32
275404 24
275405 24
275406 36
275407 36
275460 26
275461 26
275464 36
275465 36
275483 28
275484 28
275513 38
275514 38
275521 308
275524 308
275530 308
275532 308
275533 308
275542 ..... 308, 312
275543 ..... 308, 312
275614 308
275640 40
275641 40
275675 ..... 28, 30
275676 30
275690 ..... 38, 40
275691 314
275692 312

275770 ..... 38, 40
275779 40
275837 ..... 26, 28
275860 34
275864 ..... 34, 280, 282, 284, 286
275877 32
275879 32
275902 32
275938 ..... 24, 26
275941 ..... 24, 26
275960 40
275965 30
276062 380
276117 380
276140 354
276180 354
276183 358
276206 354
276326 410
276770 380
276790 332
276839 ..... 280, 282, 284, 286, 352
276899 480
276900 480
279011 ..... 414, 420
279012 ..... 414, 420
279034 ..... 414, 420
279035 ..... 414, 420
279085 ..... 310, 314
279228 ..... 436, 444, 452
279528 188
279737 414
283002 70
283008 316
283046 128
283047 128
283048 128
283051 162
283052 162
283053 144
283055 144
283056 144
283057 ..... 140, 144, 146
283058 ..... 140, 144, 146
283059 ..... 140, 142, 144, 146, 150, 152
283060 140
283061 ..... 308, 312
283062 ..... 308, 312
283063 ..... 128, 132, 134
283065 ..... 128, 132
283066 316
283074 ..... 150, 152
283075 ..... 150, 152
283077 ..... 308, 312
283091 ..... 154, 158
283092 ..... 154, 158
283096 150
283102 128
283104 128
283141 144
283143 144
283144 144
283164 162
283172 132
283173 132
283174 132
283180 144
283182 144
283183 144
283199 162
283200 162
283201 128
283202 ..... 128, 132, 134
283205 162
283215 ..... 440, 478
283231 128
283232 128
283233 128
283238 134
283239 134
283242 134
283243 134
283244 136
283245 136
283246 140
283247 140
283248 140
283249 140
283251 142
283252 154
283253 154
283254 154
283255 154
283256 154
283257 154
283258 142
283259 142
283260 142
283261 142
283262 142
283263 142
283283 138
283284 138
283285 138
283291 218
283293 136
283294 136
283295 136
283296 136
283297 136

283327 142
283412 134
283413 134
283431 152
283432 152
283433 152
283447 146
283449 146
283450 146
283456 128
283457 128
283458 128
283461 162
283462 162
283463 132
283464 132
283465 132
283468 162
283469 162
283500 ..... 124, 126
283502 ..... 124, 126
283515 134
283519 134
283520 148
283521 148
283522 148
283523 148
283525 158
283526 148
283527 150
283528 150
283529 152
283531 152
283533 152
283534 150
283535 150
283540 ..... 150, 152
283541 150
283542 150
283555 ..... 308, 312
283567 126
283569 126
283571 ..... 308, 312
283579 316
283580 158
283581 148
283582 148
283697 ..... 164, 216
283744 226
283747 148
283750 ..... 142, 150
283785 148
283791 ..... 140, 144, 146
283797 ..... 128, 132, 140, 144, 146
283807 ..... 128, 132, 140, 144, 146
283810 148
283818 ..... 134, 136, 142, 148, 150, 152, 154, 158, 164, 216
283820 ..... 134, 136, 142, 148, 150, 152, 154, 158, 164, 216
283822 146
283823 146
283824 146
283849 ..... 164, 166, 168, 216
283984 ..... 128, 132, 134
283987 ..... 142, 148, 154, 158
283988 ..... 142, 148, 154, 158
283989 ..... 142, 148, 154, 158
283990 138
283993 136
284215 236
284548 236
284549 240
284550 240
284900 408
284971 424
284975 476
284976 424
286087 70
286089 ..... 70, 72
286257 ..... 50, 52, 54, 56, 280, 282, 284, 286
286315 ..... 50, 54, 276, 284, 286
286316 ..... 50, 54, 276, 284, 286
286317 ..... 54, 252, 286
286318 ..... 50, 52, 56, 250, 278, 280, 282, 284
286319 ..... 50, 52, 54, 56, 250, 252, 278, 280, 282, 284, 286
286320 ..... 56, 282
286321 ..... 250, 252
286322 ..... 250, 252
286323 ..... 250, 252
286329 ..... 50, 54, 284, 286
286330 ..... 52, 56, 278, 280, 282
286331 ..... 50, 52, 54, 56, 278, 280, 282, 284, 286
286332 ..... 54, 252, 286
286333 ..... 56, 282
286362 ..... 64, 68
286363 ..... 64, 68
286440 ..... 60, 64, 68
286445 72
286461 ..... 60, 62, 66, 276, 278, 280, 282, 284, 286
286462 ..... 60, 62, 66
286463 ..... 62, 66
286464 ..... 62, 68
286465 ..... 62, 66
286466 ..... 62, 68
286475 ..... 60, 64, 68, 276, 278, 280, 282, 284, 286
286476 ..... 60, 64, 68, 276, 278, 280, 282, 284, 286
286477 ..... 60, 64, 68, 276, 278, 280, 282, 284, 286
286478 ..... 60, 64, 68

286479 ..... 22, 60, 64, 68, 280, 282, 284, 286
286481 ..... 60, 64, 68, 280, 282, 284, 286
286483 72
286485 72
286486 72
286488 72
286489 72
286490 72
286493 ..... 60, 62, 66
286562 ..... 58, 62, 66
286563 ..... 62, 66
286564 ..... 58, 66
286565 ..... 58, 62, 66
286566 60
286567 60
286575 66
286576 62
286579 ..... 58, 62, 66
286580 ..... 62, 66
286581 ..... 58, 66
286582 ..... 58, 62, 66
286583 60
286584 60
286592 66
286593 62
286597 58
286598 58
286599 58
286609 58
286610 58
286611 58
286618 62
286619 66
286621 ..... 60, 64, 68
286627 ..... 60, 62, 66
286628 ..... 62, 66
286629 ..... 62, 68
286665 54
286666 54
286669 50
286670 50
286676 56
286677 56
286679 52
286680 52
286687 252
286688 252
286690 250
286691 250
286692 250
286703 70
286705 ..... 50, 52, 54, 56
286741 6
286758 ..... 58, 62, 66
286759 ..... 62, 66
286760 ..... 58, 66
286761 ..... 58, 62
286763 60
286764 60
286768 66
286769 62
286779 58
286780 58
286781 58
286789 62
286790 66
286826 70
286836 252
286837 252
286861 ..... 64, 68, 282, 286
286862 ..... 64, 68
286863 ..... 64, 68
286866 62
286867 66
286871 62
286872 66
286876 62
286877 66
286888 62
286889 66
287449 392
287450 392
287451 392
287456 436
287460 436
287461 436
287462 436
287701 234
287702 410
287705 410
287859 404
287878 414
287887 ..... 364, 366
287888 ..... 364, 366
287889 366
287890 366
287939 390
288195 188
289220 2
289235 10
289261 2
289358 2
289359 10
289375 20
289380 20
289439 20
289483 20
289487 20
289618 20
289621 20

289654 12
289742 2
289759 122
289762 188
289763 188
289869 122
289880 74
289924 20
289925 20
291484 176
291485 176
292692 ..... 234, 290
293053 ..... 326, 380, 474
293054 ..... 224, 326, 474
294098 414
294350 228
294394 420
295211 390
295212 390
295213 390
295261 380
295407 386
295542 472
295766 386
295770 386
295853 ..... 386, 396
295927 392
295929 226
295992 380
301115 8
301126 380
301127 380
301318 392
301427 ..... 354, 358, 370
301441 358
301451 418
301513 372
301629 ..... 412, 418, 424, 430, 434, 442, 448, 450, 458, 466
301633 372
301805 362
301806 362
301807 362
301971 336
301992 358
301993 358
301994 354
302030 420
302204 ..... 188, 238, 310, 314, 410
303021 236
303033 236
303169 240
303251 ..... 238, 290
303283 238
303341 238
303379 234
303380 236
303486 234
303491 234
303492 ..... 234, 290
303520 290
303525 ..... 234, 290
303691 234
303693 234
303766 234
303832 236
303839 ..... 234, 290
303898 236
303961 234
304040 380
304494 364
304514 354
304520 354
304521 358
304611 316
304658 326
304668 326
304669 434
304931 358
307727 188
308056 354
308249 414
308251 414
308252 414
308253 ..... 414, 420
308254 ..... 414, 420
308255 ..... 414, 420
308536 352
308538 354
308648 ..... 354, 358
308658 392
308725 ..... 328, 336
308726 ..... 328, 340
308732 328
308740 328
308755 328
308774 382
308848 340
308850 354
308852 340
308853 340
308855 340
308856 340
308859 354
308863 ..... 328, 340
308878 378
308879 378
308941 406
308942 406
308943 260

310031 232
310702 226
311044 108
311045 108
311055 292
311069 292
311207 98
311210 98
311237 ..... 80, 82, 84
311238 ..... 80, 82, 84
311284 76
311285 74
311303 98
311306 ..... 98, 262
311318 178
311321 ..... 292, 294
311322 ..... 292, 294
311325 ..... 98, 262, 266
311327 ..... 98, 262, 266
311347 ..... 262, 266
311359 86
311365 ..... 98, 266
311368 ..... 98, 266
311464 208
311493 188
311523 ..... 98, 262, 266, 280, 282, 284, 286
311524 ..... 98, 120, 262, 280, 282
311588 98
311589 98
311611 ..... 74, 78
311612 74
311613 ..... 74, 78
311615 ..... 100, 262, 266
311617 ..... 100, 262, 266
311620 ..... 88, 92
311627 74
311632 86
311643 108
311644 108
311645 108
311646 108
311647 108
311648 108
311672 ..... 100, 262, 266
311694 114
311695 116
311729 ..... 114, 262, 266
311752 ..... 114, 262
311753 ..... 116, 262
311789 276
311790 278
311793 280
311794 282
311795 120
311807 324
311808 324
311810 324
311811 324
311814 324
311815 324
311816 324
311822 ..... 120, 262
311863 ..... 110, 266
311864 ..... 112, 266
311868 266
311870 266
311882 270
311906 ..... 118, 262, 266
311949 76
311959 294
311964 ..... 110, 114, 118, 262, 266
311965 ..... 112, 116, 262, 266
311972 294
312654 ..... 130, 132, 134, 136, 140, 142, 144, 146, 148, 150, 152, 156, 158, 164, 216
312673 256
312675 122
312680 122
312706 476
313035 ..... 110, 112, 114, 116
313064 174
313192 174
313303 ..... 20, 244
313304 ..... 20, 244
313374 256
313406 234
313421 190
313422 190
313423 190
313424 190
313425 234
313432 ..... 20, 244
313461 246
313501 ..... 316, 320
313502 ..... 316, 320
313531 190
313532 190
313533 190
313534 190
313535 190
313536 190
313539 190
313540 190
313554 190
313555 190
313566 208
313574 190
313575 190
313580 190
313581 190

313644 174
313705 208
313725 188
313728 410
313729 188
313733 188
313734 392
313744 316
313745 316
313749 316
313750 316
313767 10
313768 188
313780 316
313783 ..... 20, 244
313787 188
313788 316
313789 316
313790 316
313797 316
313798 320
313799 320
313800 320
313801 316
313802 320
313803 320
313804 320
313805 320
313806 320
313807 320
313808 316
313809 320
313810 320
313811 320
313812 320
313813 320
313814 320
313815 320
313816 320
313817 320
313818 320
313819 320
313820 320
313821 320
313822 320
313824 320
313825 320
313826 320
313827 320
313828 320
313829 320
313830 320
313831 320
313832 322
313833 320
313834 320
313835 320
313836 320
313837 320
313838 320
313839 322
313841 320
313843 322
313844 322
313845 322
313846 322
313847 322
313848 322
313849 322
313869 320
313881 322
313882 320
313883 320
313884 320
313940 174
313964 ..... 80, 82, 84, 86
314062 352
314076 ..... 404, 406
314082 336
314136 ..... 354, 358
314169 ..... 354, 358
314173 344
314174 344
314276 372
314292 392
314389 398
314391 400
314392 400
314394 400
314395 396
314396 396
314397 392
314399 392
314401 400
314402 398
314416 392
314417 392
314537 398
314581 254
314585 ..... 426, 460, 468
314586 ..... 426, 460, 468
314587 ..... 426, 460, 468
314588 ..... 426, 460, 468
314645 392
314657 350
314678 418
314680 368
314706 ..... 444, 452
314707 ..... 444, 452
314708 ..... 444, 452

314817 436
314819 436
314820 436
314821 436
314928 326
316044 236
316095 ..... 234, 290
316096 ..... 234, 290
316110 234
316118 234
316119 234
316284 ..... 234, 290
316293 236
316330 ..... 236, 288
316358 234
316639 238
316649 238
316662 290
316793 ..... 236, 288
316794 234
316847 ..... 236, 288
316848 ..... 236, 288
316851 ..... 236, 288
316859 ..... 238, 290
316860 ..... 238, 290
319051 32
319095 ..... 22, 280, 282, 284, 286
319098 22
319099 22
319100 22
319102 22
319103 22
319105 ..... 22, 280, 282, 284, 286
319222 ..... 24, 26, 28, 30
319223 ..... 24, 26, 28, 30
319225 ..... 36, 38, 40
319265 34
319345 22
319346 22
319347 22
319366 ..... 28, 30
319429 46
319430 ..... 44, 46
319431 ..... 44, 46
319540 22
319583 34
319662 22
319676 34
319707 32
319708 32
319715 ..... 26, 28
319716 ..... 26, 28
319717 30
319718 30
319721 24
319722 26
319723 26
319724 ..... 26, 30
319725 ..... 26, 30
319722 28
319727 28
320011 ..... 238, 290
320026 ..... 4, 70
320039 242
320060 ..... 24, 26, 238, 290
320089 70
320148 22
320154 238
320167 32
320168 ..... 74, 78
320175 ..... 100, 262, 266
320176 ..... 242, 380
320179 100
320180 ..... 88, 94, 96, 100, 102, 104, 110, 114, 118, 262, 266, 342
320181 ..... 28, 30
320182 34
320187 ..... 98, 262, 266
320190 ..... 26, 28, 30, 44, 46, 248, 300
320192 ..... 98, 262, 266, 270
320195 436
320196 74
320205 ..... 236, 240, 298
320206 ..... 32, 34
320207 ..... 80, 82, 84, 86
320208 ..... 242, 424
320213 240
320214 70
320215 70
320218 10
320219 242
320220 ..... 248, 316
320248 174
320259 370
320284 ..... 436, 444, 452
320290 ..... 24, 26, 28, 30, 36, 38, 40
320304 2
320311 70
320327 20
320336 ..... 164, 166, 168, 216
320358 ..... 382, 388
320360 ..... 276, 278, 280, 282, 284, 286, 328
320388 326
320389 374
320390 ..... 180, 374
320392 452
320404 248
320409 180
320410 180
320441 298

320448 ..... 44, 46, 164, 166, 168, 216
320474 226
320500 372
322022 392
322046 372
322114 344
322142 332
322148 ..... 330, 332, 334
322149 334
322157 334
322158 334
322160 332
322161 332
322192 336
322193 336
322195 336
322197 336
322216 ..... 444, 452
322219 372
322256 400
322372 352
322377 358
322383 ..... 402, 440
322386 414
322387 446
322397 352
322409 336
322456 344
322486 344
322555 384
322557 372
322561 328
322668 378
322695 432
322770 352
322870 326
322872 326
322914 ..... 362, 474
322915 344
322916 344
322917 344
322918 344
322924 344
322925 344
322926 344
322930 344
322931 344
322961 370
322962 370
322970 ..... 78, 362
322981 372
322996 346
322997 346
322998 346
323017 158
323018 148
323023 ..... 142, 148, 154, 158
323039 170
323040 172
323041 172
323042 172
323043 172
323046 214
323049 236
323130 ..... 170, 172
323145 ..... 170, 172
323164 ..... 166, 168
323165 168
323166 ..... 166, 168
323168 ..... 164, 216
323169 ..... 166, 168
323170 164
323171 168
323172 168
323354 162
323355 162
323357 324
323373 324
323383 432
323384 432
323385 432
323386 432
323387 432
323409 220
323410 220
323428 ..... 154, 158
323429 ..... 154, 158
323516 188
323518 216
323519 154
323657 222
323687 78
323688 78
323698 ..... 402, 456
323762 224
323765 226
323772 ..... 166, 168
323773 ..... 164, 216
323795 ..... 166, 168
323830 220
323860 324
323866 214
323879 226
323881 226
323883 226
323885 226
323887 226
323907 224
323917 216
323918 ..... 164, 216

323921 158
323936 440
323937 178
323940 406
327086 ..... 238, 290
327089 ..... 236, 288
327179 234
327255 234
327294 240
327304 240
327428 234
327429 234
327532 240
327534 236
327535 236
327561 234
327563 240
327588 242
327600 ..... 238, 288
327649 240
327655 288
327656 288
327659 242
327664 240
327672 236
327682 288
327692 240
327694 240
327696 240
327704 234
327710 238
327716 236
327717 ..... 240, 288
327738 238
327739 240
327740 240
327745 236
327749 236
327751 236
327755 234
327756 234
327771 240
327786 236
327798 ..... 236, 288
327802 ..... 240, 288
327807 ..... 240, 288
327808 ..... 240, 288
327817 240
328002 ..... 444, 452
328065 ..... 440, 478
328085 368
328089 402
328120 340
328128 386
328133 372
328142 410
328143 386
328152 ..... 336, 340
328154 ..... 336, 340
328156 ..... 338, 342
328157 336
328158 338
328159 338
328160 336
328161 336
328162 336
328164 336
328165 336
328174 336
328175 336
328176 ..... 336, 340
328178 332
328181 336
328183 342
328184 336
328185 336
328186 336
328187 336
328188 336
328196 342
328197 340
328198 340
328199 340
328200 340
328201 340
328202 340
328203 340
328261 332
328262 ..... 330, 334
328269 332
328283 332
328288 332
328290 332
328291 332
328292 332
328293 332
328306 332
328307 332
328308 332
328309 332
328310 332
328311 332
328312 332
328313 332
328318 402
328329 ..... 182, 184, 186
328348 380
328349 380
328370 328
328411 ..... 402, 440

328420 352
328491 372
328534 178
328538 372
328539 178
328547 178
328548 436
328549 404
328550 404
328553 406
328554 406
328555 406
328556 178
328560 402
328562 410
328565 410
328582 434
328662 ..... 182, 184, 186
328713 328
328756 368
328758 368
328760 368
328763 368
328872 414
328874 ..... 426, 460, 468
328887 420
328908 420
328913 ..... 440, 478
328924 344
328968 420
335008 420
335144 372
335160 464
335301 ..... 12, 246
335342 ..... 444, 452
335431 440
335563 254
335564 254
335663 432
335849 434
335887 400
335891 390
335912 390
335924 ..... 100, 262, 266
335971 456
335981 386
337043 434
337117 350
337124 354
337143 ..... 364, 366
337152 ..... 280, 282, 284, 286, 352, 366
337206 352
337276 358
337284 ..... 354, 358
337352 ..... 440, 478
337362 362
337366 362
337407 380
337427 334
337429 334
337430 334
337431 334
337432 334
337433 334
337440 332
337441 332
337456 380
337457 380
337463 380
337464 380
337551 454
337611 406
337619 408
337627 408
337634 372
337635 372
337636 372
337651 ..... 446, 454
337652 ..... 446, 454
337667 340
337707 346
337709 346
337711 346
337712 346
337713 ..... 328, 340
337715 346
337716 346
337717 346
337718 346
337720 346
337721 346
337722 346
337723 346
337725 346
337727 346
337729 346
337730 346
337731 346
337732 346
337770 334
337773 334
337774 ..... 328, 330, 332
337777 368
337778 368
337779 368
337780 368
337804 358
337821 372
337823 334
337862 412

337863 412
337980 420
337981 420
340049 196
340050 202
340051 198
340052 200
340076 322
340077 322
340078 322
340091 258
340095 272
340096 272
340113 2
340122 2
340129 188
340130 188
340131 410
340132 410
340146 ..... 100, 262, 266
340164 188
340183 178
340191 ..... 76, 78
340193 2
340210 246
340212 246
340215 2
340216 92
340218 178
340224 ..... 80, 82, 84
340492 284
340493 286
340548 ..... 128, 132, 140, 144, 146
340549 ..... 134, 136, 142, 148, 150, 152, 156, 158, 164, 216
340648 78
340681 42
340841 42
340955 180
340956 180
347001 ..... 328, 340
347077 434
347141 ..... 424, 458
347179 442
347180 442
347185 328
347300 458
347301 442
347342 410
347349 336
347405 336
347410 336
347416 336
347417 336
347431 412
347480 412
347483 386
347487 386
347498 466
347500 380
347532 466
347553 386
347630 468
347665 382
347691 390
347692 390
347722 350
347731 430
347775 380
347778 380
347796 432
347923 372
347949 392
347954 436
347964 430
347965 430
347975 338
347976 338
347977 338
347978 336
347979 400
349362 426
352001 180
352163 180
352697 376
357012 346
357046 456
357047 456
357050 456
357051 456
357052 456
357053 456
357054 456
357064 346
357119 ..... 440, 478
357171 448
357173 ..... 326, 474
357174 ..... 326, 474
357195 ..... 412, 418, 424, 430, 434, 442, 448, 450, 458, 466
357230 386
357233 366
357234 366
357299 372
357455 372
357492 372
357512 ..... 326, 474
357567 424
357606 424
357776 434

357797 8
357937 332
357945 406
357989 456
360004 246
360035 78
360044 258
360045 258
360069 246
360072 246
360076 246
360077 246
360079 246
360103 246
360105 248
360106 246
360108 246
360110 246
360114 246
360119 246
360120 246
360122 246
360127 12
360134 246
360144 88
360150 42
360151 42
360166 6
360168 246
360175 6
360186 88
360199 98
360201 98
360212 180
360360 218
360361 2
360374 20
360375 20
360376 106
360378 20
360379 20
360414 194
360415 194
360416 194
360417 194
360418 194
360448 ..... 16, 244
360449 ..... 18, 244
360509 ..... 26, 28, 30
360520 48
360521 48
360540 ..... 266, 284, 286
360541 188
360552 ..... 16, 244
360553 ..... 18, 244
360554 ..... 14, 244
360555 ..... 14, 244
360655 410
360680 292
360716 410
360720 248
360723 246
360734 248
360748 2
360749 2
360750 2
360751 2
360754 48
360755 48
360756 372
360797 20
360798 20
360823 180
360824 180
360828 180
360840 180
360847 248
360848 246
360850 248
360859 434
360862 248
360863 248
360870 70
360924 390
360925 390
360927 390
360939 246
360940 246
360971 372
368017 374
368221 326
368239 180
368338 180
368376 ..... 426, 460
368380 382
368385 260
368412 192
368413 192
368414 192
368415 192
368416 192
368417 192
368418 192
368419 192
368420 192
368421 192
368422 192
368423 192
368457 386
368460 386

368631 410
368656 450
368660 450
368826 450
368863 336
500303 ..... 180, 372
500321 ..... 182, 184, 186, 212
500448 464
500518 456
500557 260
500567 214
500593 260
500605 ..... 440, 478

B

B6042 480
B6043 480
B6044 480
B6045 480
B6046 480
B6213 480
B6288 234
B6413 308
B6414 308
B6415 308
B6416 308
B6418 312
B6450 472
B6460 288
B6801 256
B7022 206
B7023 206
B7027 296
B7029 316
B7030 208
B7038 344
B7039 344
B7040 254
B7041 340
B7042 340
B7043 ..... 424, 458
B7044 442
B7045 434
B7048 404
B7051 404
B7052 404
B7057 444
B7064 ..... 182, 184
B7065 ..... 182, 184
B7107 418
B7108 344
B7109 420
B7111 340
B7117 162
B7118 162
B7120 162
B7121 162
B7122 274
B7123 274
B7127 324
B7128 324
B7130 324
B7155 276
B7156 278
B7159 280
B7160 282
B7165 414
B7180 346
B7181 346
B7182 346
B7196 402
B7230 258
B7231 478
B7238 272
B7241 464
B7302 ..... 298, 302
B7303 306
B7304 304
B7305 304
B7306 304
B7307 304
B7308 340
B7311 466
B7312 350
B7313 412
B7314 368
B7315 430
B7316 432
B7317 350
B7323 ..... 452, 456
B7326 346
B7338 162
B7339 324
B7341 448
B7342 474
B7343 366
B7344 366
B7345 366
B7346 246
B7347 368
B7348 368
B7359 262
B7362 266
B7365 284
B7366 286
B7392 240
B7398 ..... 240, 288
B7401 244
B7402 244

B7403..... 244
B7405..... 440
B7406..... 436
B7407..... 468
B7408..... 186
B7410..... 324
B7431..... 404
B7464..... 316
B7466..... 316
B7489..... 402
B7490..... 402
B7492..... 404
B7501.....210, 212, 214, 216, 218, 220, 222, 224, 226, 232
B7506..... 404
B7507.....426, 460
B7533..... 450
B7542..... 476

C

C2086..... 298
C2087..... 298
C2088..... 298
C2089..... 298
C2171..... 288
C2173..... 240

MacDon

CUSTOMERS
MacDon.com

DEALERS
Portal.MacDon.com

Trademarks of products are the marks of their respective manufacturers and/or distributors.

Printed in Canada