

M105

Self-Propelled Windrower

Parts Catalog

169891 Revision C

Original Instruction

M105 Self-Propelled Windrower



Published October 2022

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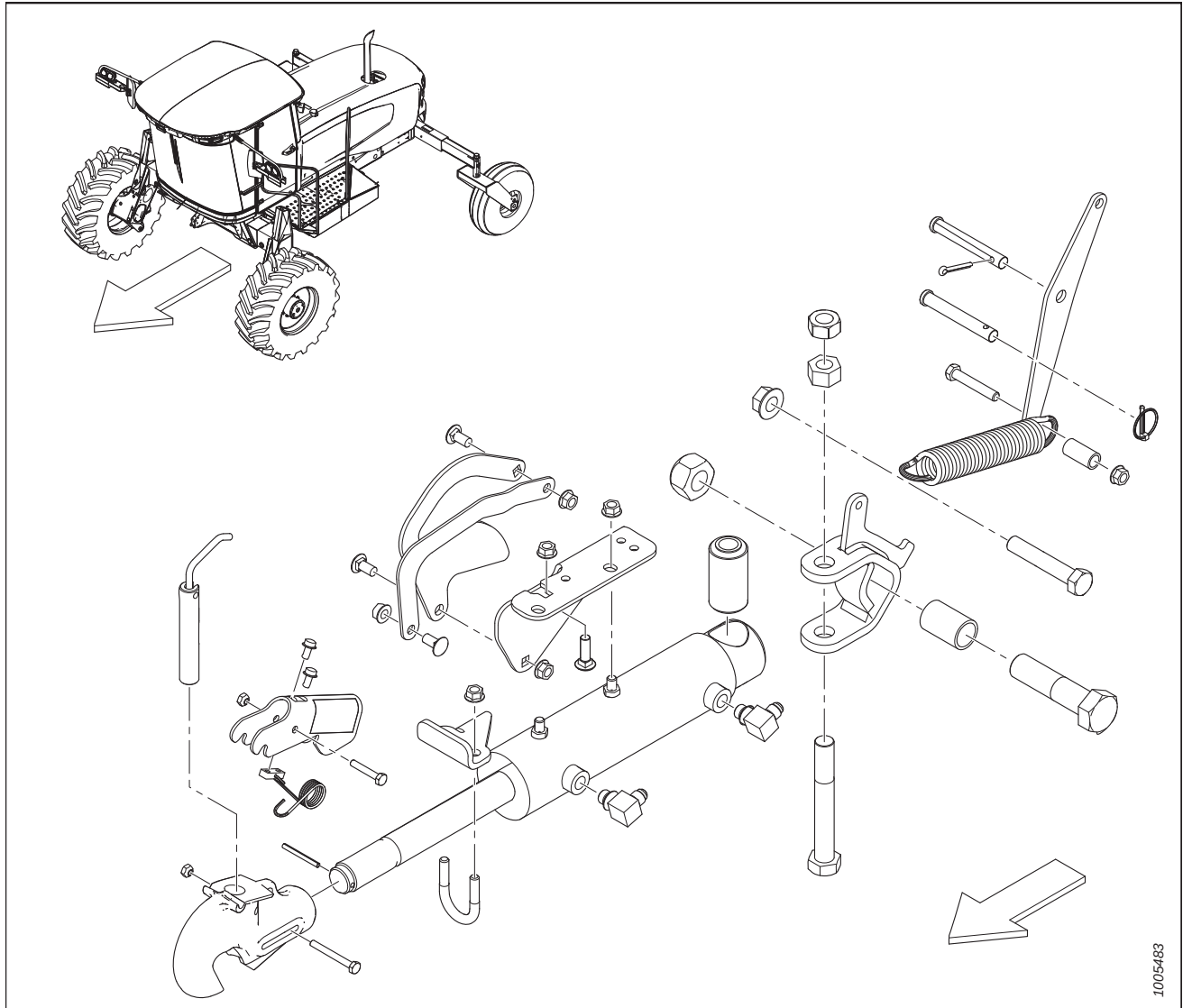
Introduction

This Parts Catalog lists all the replacement parts that can be ordered for a MacDon M105 Self-Propelled Windrower.

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-hand (RH) and left-hand (LH) are determined from the operator's position, facing forward with the windrower in cab-forward position. An arrow is sometimes used in illustrations to indicate cab-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 – vertical 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:

- –162249 Used on machines up to and including serial number 166249.
- 166250– Used on machines including and after serial number 166250.

Summary of Changes – M105 (169891 Rev. C)

This list covers changes made since the last revision (169891 Rev. B)

Section	Summary of Change	Internal Use Only
<i>Inside Front Cover</i>	Added copyright information.	Publications
<i>Abbreviations, page ii</i>	Updated Abbreviations list.	Publications
<i>1 Frame Hose Guards, page 1</i>	Removed moulding 166275. Updated location of moulding 110737. Updated illustration from 1030119 to 1039900.	ECN 51634
<i>2 Wheel Legs, page 3</i>	Plug 161335 superseded by 161378.	ECN 51727
<i>3 Platforms and Toolbox, page 5</i>	Replaced LH platform 139615 and RH platform with 139497 and 139841.	ECN 47310
<i>10 Drive Wheels and Tires – Eight Bolt, page 19</i>	Added kit 166729 to the parts list illustration and updated callout sequence. Updated illustration from 1008727 to 1030121.	Publications
<i>12 Lift Linkage, page 23</i>	LH and RH arm assemblies 112725 and 112726 superseded by 139138 and 139139.	ECN 43945
	LH and RH arm assemblies 139138 and 139139 superseded by 166446 and 166447.	ECN 47310
	Pin 112760 superseded by 183821.	ECN 55269
	Spring assembly 112751 superseded by 306104. Spring assembly 163643 superseded by 306106.	ECN 56841
<i>13 Lift Linkage Cylinders, page 25</i>	Replaced pin 112918 with 138772. Replaced plate 44822 with 138773. Updated illustration from 1009968 to 1040067.	ECN 43945
	Sensor 166237 superseded by sensor kit 183846.	ECN 55179
	Cylinders 166190 and 166191 superseded by 208647 and 208648. Seal kits 166197 and 166198 superseded by 183427 and 183428.	ECN 51825 ECN 51877
<i>14 Center-Link, page 27</i>	Sensor 166237 superseded by sensor kit 183846, which includes M10 hardware. Replaced bolt 19966 with bolt 152732. Added nut 135799 and bolt 100456. Added cable ties 21763. Updated illustration from 1012455 to 1039884.	ECN 55179
<i>15 Engine Sub Assembly, page 31</i>	Updated position of rubber insulator 138477. Updated illustration from 1009609 to 1039818.	Publications
	RH support 183107 superseded by 183182.	ECN 47310
	Removed clutch 160289, which is no longer a serviceable part.	ECN 54297
<i>17 Tanks – Fuel and Hydraulic, page 35</i>	Hose 110964 superseded by 204878.	ECN 51592
	Hydraulic tank 163690 superseded by 131313.	ECN 47310
	Strap 110136 superseded by 183191. Air baffle angle 163686 superseded by 183192.	ECN 47907
	Air baffle angle 183192 replaced by 183219. Angle 183192 remains a service part for previous production. Added serial number breaks.	ECN 48392
	Air baffle angel 183219 superseded by 167839.	ECN 52760
<i>20 Radiator, page 43</i>	Shroud 139061 superseded by 166431.	ECN 47310
	Tank 163377 superseded by 183772.	ECN 54908
	Sweeps kit 167508 superseded by 167958.	ECN 54511
<i>21 Coolers, page 45</i>	CAC cooler 138582 superseded by 209888.	ECN 53939

Section	Summary of Change	Internal Use Only
22 Cooler Box, page 47	Plug 110783 superseded by 161378.	ECN 54029
23 Screen Cleaner, page 49	Motor 42369 superseded by kit 167589. Support 110877 superseded by support 167585. Strap 110968 and shaft 110885 made service only and replaced by strap 167584 and shaft 167586. Replaced harness 110908 with 167713. Harness 110908, cap 112149, and O-ring 163698 remain available to service previous production. Added fastener 21763 and screw 252261. Updated illustration from 1004844 to 1021921.	ECN 52501
	Motor 167570 superseded by 167956. Grommet 167876 added as a serviceable part.	ECN 53410
24 Hood, page 53	Hood harness 166292 superseded by 167769.	ECN 52760
25 Cab Seals, Grommets, Mounts, and Upholstery, page 57	Cab assembly 160076 superseded by 131283.	ECN 47310
26 Windows and Doors, page 59	Front window 139683 superseded by 109323.	ECN 59126
	Door seal 109552, right hinge 109665, and left hinge 109604 superseded by door seal upgrade kits 209214 and 209215. Replaced pin 16061 with 252416. Updated illustration from 1009762 to 1040056.	ECN 52509
27 Roof and Headliner, page 63	Added roof harness kit 167691 for model year 2015 and prior M105 Windrowers. Added serial number breaks.	ECN 51520
	Radio panel 160353 superseded by 131312.	ECN 47310
29 Cab Air Conditioning and Heating, page 69	O-ring 183204 superseded by 183508.	ECN 54262
30 HVAC – Engine Group, page 73	O-ring 183203 and 183204 superseded by 183506 and 183508.	ECN 54262
31 Steering Column and Seat Base, page 75	Lower cover 183278 discontinued and replaced with 160227.	ECN 49183
35 Console Components, page 83	Added CanWin kit 167889. Updated illustration from 1009818 to 1039823.	ECN 53650
36 Steering and Ground Speed Control (under Cab), page 87	Steering rods 183116 and 183117 superseded by 183973 and 183974. Arm 162061 superseded by 183941.	ECN 56720
37 Pumps, Neutral interlock, and Pintle Arms, page 89	Fitting 163159 superseded by 167763.	ECN 52228
38 Traction Drive Gear Pump, page 93	Added coupling 30104. Updated illustration from 1009824 to 1021448.	ECN 54059
39 Knife Drive Pump, page 97	Retaining ring 162323 superseded by 18900.	ECN 62126
40 Wheel Drive Assembly – Bolted Frame, page 99	Bolt 135376 superseded by 252668.	ECN 52447
41 Drive Wheel Motor, page 101	Seal 49751 superseded by 279003.	ECN 58665
	Retaining ring 49736 superseded by 111897.	ECN 51757
	O-rings 49758, 49760, and 49768 superseded by 50223, 50219, and 44210.	ECN 54675

Section	Summary of Change	Internal Use Only
44 Header Lift Manifold, page 109	Header lift manifold 183492 superseded by 183815. Relief valve 183485 superseded by 183699. Added seal kit 220908.	ECN 55144
	Added electrical connector numbers to solenoid valve part descriptions. Added manifold port designations to hydraulic fitting part descriptions.	Product Support
	Added O-ring service parts to various hydraulic fittings.	Product Support
	Reorganized the parts list so that the service parts are grouped together with each solenoid valve. Updated illustration from 1009850 to 1040006.	Publications
45 Header Drive Manifolds, page 113	Added electrical connector numbers to solenoid valve part descriptions. Added manifold port designations to hydraulic fitting part descriptions.	Product Support
	Added O-ring service parts to various hydraulic fittings.	Product Support
	Added illustration of fitting 135583 for 2012 and prior units. Updated illustration from 1013740 to 1040039.	Publications
	Fitting 163159 superseded by 167763.	ECN 52228
46 Return Manifold, page 117	Filter element 151975 superseded by filter service kit 183620.	ECN 52331
	Fitting 163156 superseded by 167762.	ECN 52228
	Added O-rings 44209 and 50223 as service parts.	Product Support
	Filter service kit 183620 superseded by 320360.	ECN 61432
47 Charge Cooler Hydraulics, page 119	Replaced clamp 135226 with 162442.	ECN 46979
	Added footnote to clamp 162442 to clarify it is used only with model year 2012 and prior windrowers. Revised footnote on return hose 162261.	Publications
	Replaced hose clamp 162444 with 252312.	ECN 51879
49 Lift Hydraulics, page 123	Replaced hose clamp 162442 with T-bolt clamp 135226.	ECN 51879
	Replaced T-bolt clamp 135226 with the previous clamp 162442.	ECN 52283
51 Electrical – Battery, page 127 52 Electrical – Chassis, page 129	Split <i>Chassis Electrical</i> into two separate sections because it used two illustrations.	Publications
52 Electrical – Chassis, page 129	Chassis harness 167669 changed to service code 4; replaced 167669 with chassis harness kit 167687.	ECN 51520
	Relay 111856 superseded by 134837.	ECN 51701
	Chassis harness repair kit 183404 superseded by 183463.	ECN 50176
54 Paint, page 135	Updated illustration from 1008450 to 1037431 to show the current paint labels.	ECN 62253
56 Safety Decals, page 139	Removed decals 183250 and 183245, which are no longer serviceable parts. Updated illustration from 1013759 to 1040002.	ECN 56058
57 Information Decals and Reflectors, page 141	Replaced illustrations 1009916 and 1010129 with single illustration 1039870.	Publications
	Decal 110987 superseded by 183179.	ECN 47739
	Removed decals 166576 and 166705, which are no longer serviceable parts.	ECN 49870

Section	Summary of Change	Internal Use Only
	Added reel drop rate decal 167897.	ECN 53444
<i>58 Product Identification Decals, page 143</i>	Added Trimble-Ready decal 167727. Updated illustration from 1009921 to 1039904.	ECN 52260
<i>59 Russian Language Decal Package, page 145</i>	Decal 174474 superseded by 166466.	ECN 48064
	Decal 166299 superseded by 183181.	ECN 47739
<i>61 Draper Header Reel Hydraulics, page 149</i>	Added cable ties 30753. Updated illustration from 1010238 to 1039901.	ECN 52097
	Coupler 111987 superseded by 294350.	ECN 54869
<i>65 (Option) Auxiliary Valve Kit, page 157</i>	Fitting 163156 superseded by 167762.	ECN 52228
	Clarified which solenoid valves are used on current lift valve assembly 139974, and which are used on superseded lift valve assembly 110575.	SB 1210_B
	Replaced O-ring 163184 with 320284 as a service part for valve assembly 139974.	ECN 60983
	Reorganized parts list so that the correct service parts are grouped with each valve. Updated footnote for valve assembly 139974. Updated illustration from 1005334 to 1040070.	Publications
<i>66 (Option) Case Drain Kit, page 159</i>	Added fitting 135540 and hex nut 7674 for 15-ft. headers. Updated illustration from 1008739 to 1018786.	ECN 51932
<i>68 (Option) Hydraulic Autosteer, page 163</i>	Cylinder 173007 superseded by 208650.	ECN 51825
	Steering manifold 173118 superseded by 173656.	ECN 59036
	Replaced bolt 173117 with hex screw 320391.	ECN 62154
	Revised callout sequence so that hex screw 320391 is grouped with hardware. Updated illustration from 1005465 to 1040045.	Publications
<i>69 (Option) LED Work Light, page 167</i>	Added section with new illustration 1030000.	ECN 57505
	LED light 183886 superseded by 306182.	ECN 58312
<i>70 (Option) Sweeps Kit, page 169</i>	Sweeps kit 167508 superseded by 167958. Rad sweep assembly 167435 superseded by 183748.	ECN 54511
<i>72 (Option) Trimble GFX Display Compatibility Kit, page 173</i>	Added section with new illustration 1038192.	ECN 60715

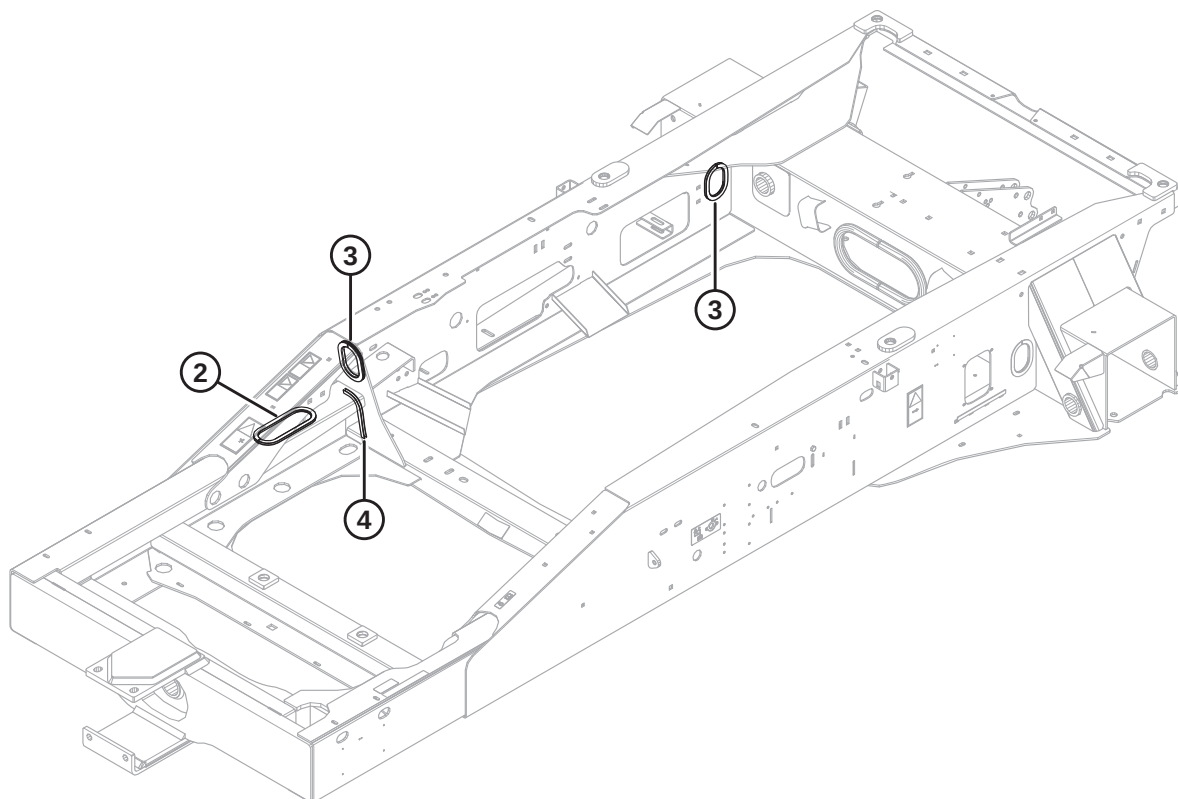
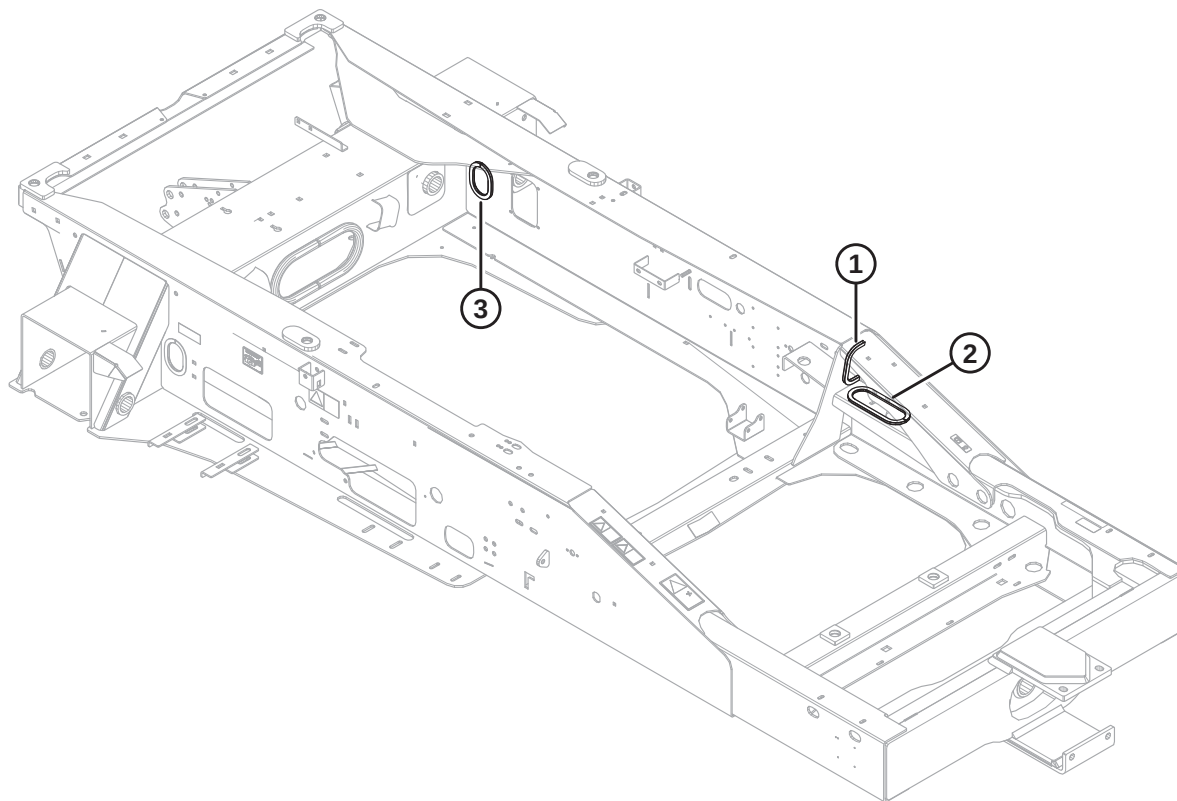
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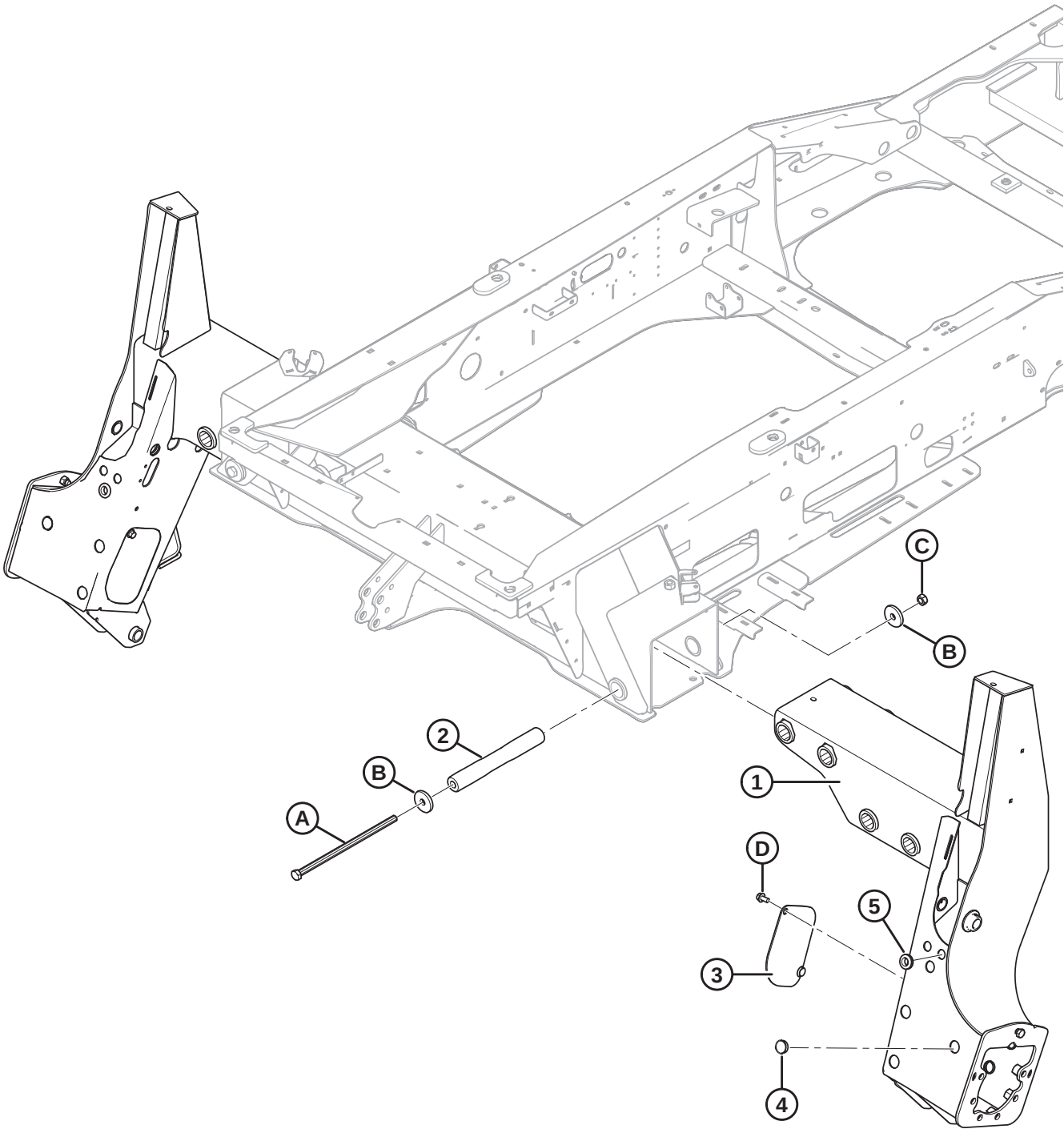
1 Frame Hose Guards



FRAME HOSE GUARDS

Ref	Part Number	Description	Qty	Serial Number
1	112873	MOULDING – FRAME (UNIGRIP)	1	
2	163971	MOULDING – FRAME (UNIGRIP)	2	
3	110735	MOULDING – FRAME (UNIGRIP)	3	
4	110737	MOULDING – FRAME (UNIGRIP)	1	

2 Wheel Legs

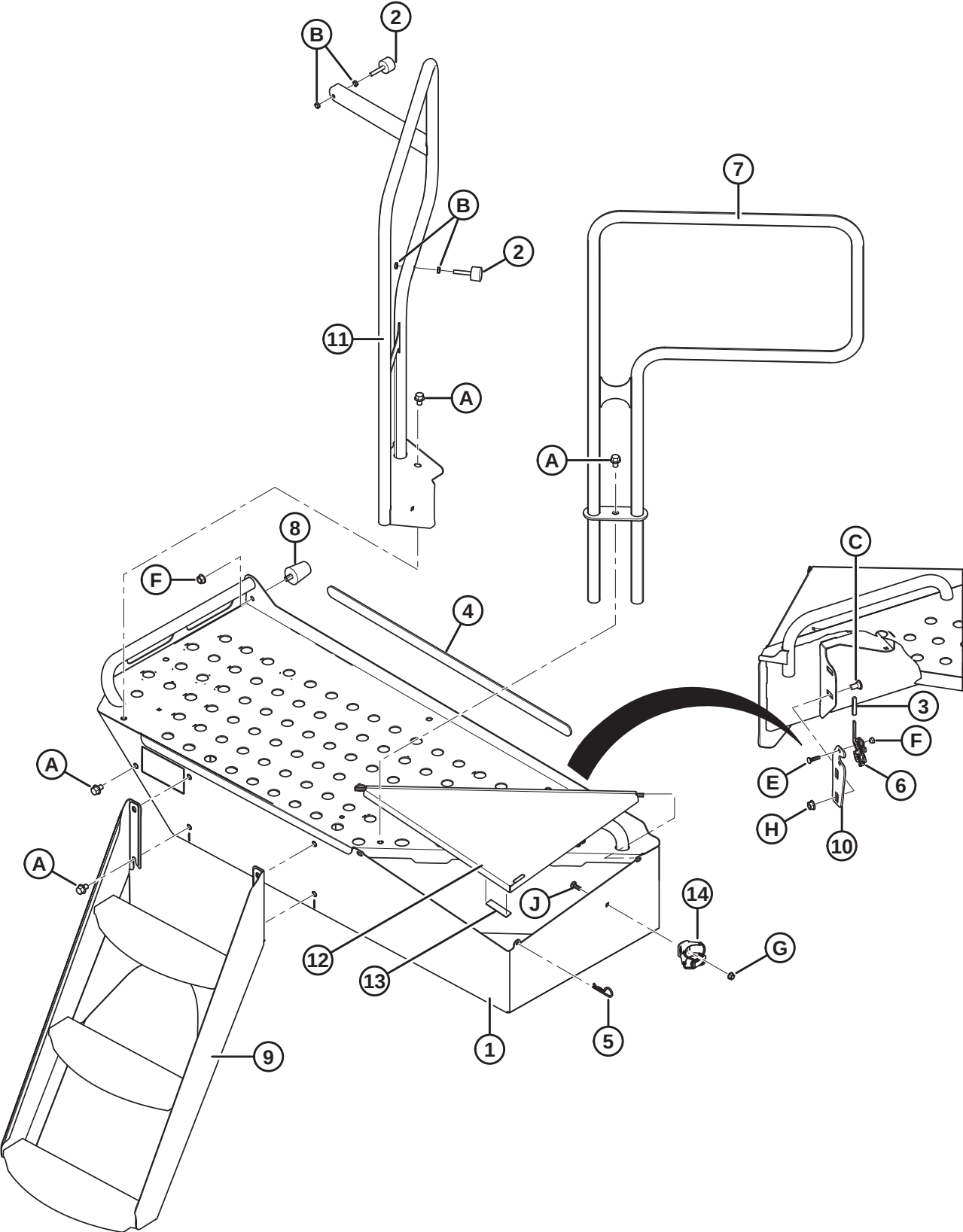


WHEEL LEGS

Ref	Part Number	Description	Qty	Serial Number
	B5442	KIT – LEG PIN EXTRACTION TOOL (DEALER SET-UP AID) ¹		
1	183410	MEMBER – LH LEG WELDT	1	
	183409	MEMBER – RH LEG WELDT	1	
2	110976	TUBE – PIN	4	
3	112817	COVER – LH WELDT	1	
	112818	COVER – RH WELDT	1	
4	161378	PLUG – HOLE 38 MM (1.5 IN.)	5	
5	112640	GROMMET	2	
A	135441	BOLT – HH 3/4 NC X 16.5 LG GR 5 ZP		
B	135322	WASHER – FLAT		
C	102636	NUT – HEX DT .750-10 UNC		
D	21449	BOLT – HH FLG (SER FACE) 1/2 NC X 1.0 GR 5 ZP		

1. Kits are available through Whole Goods only.

3 Platforms and Toolbox

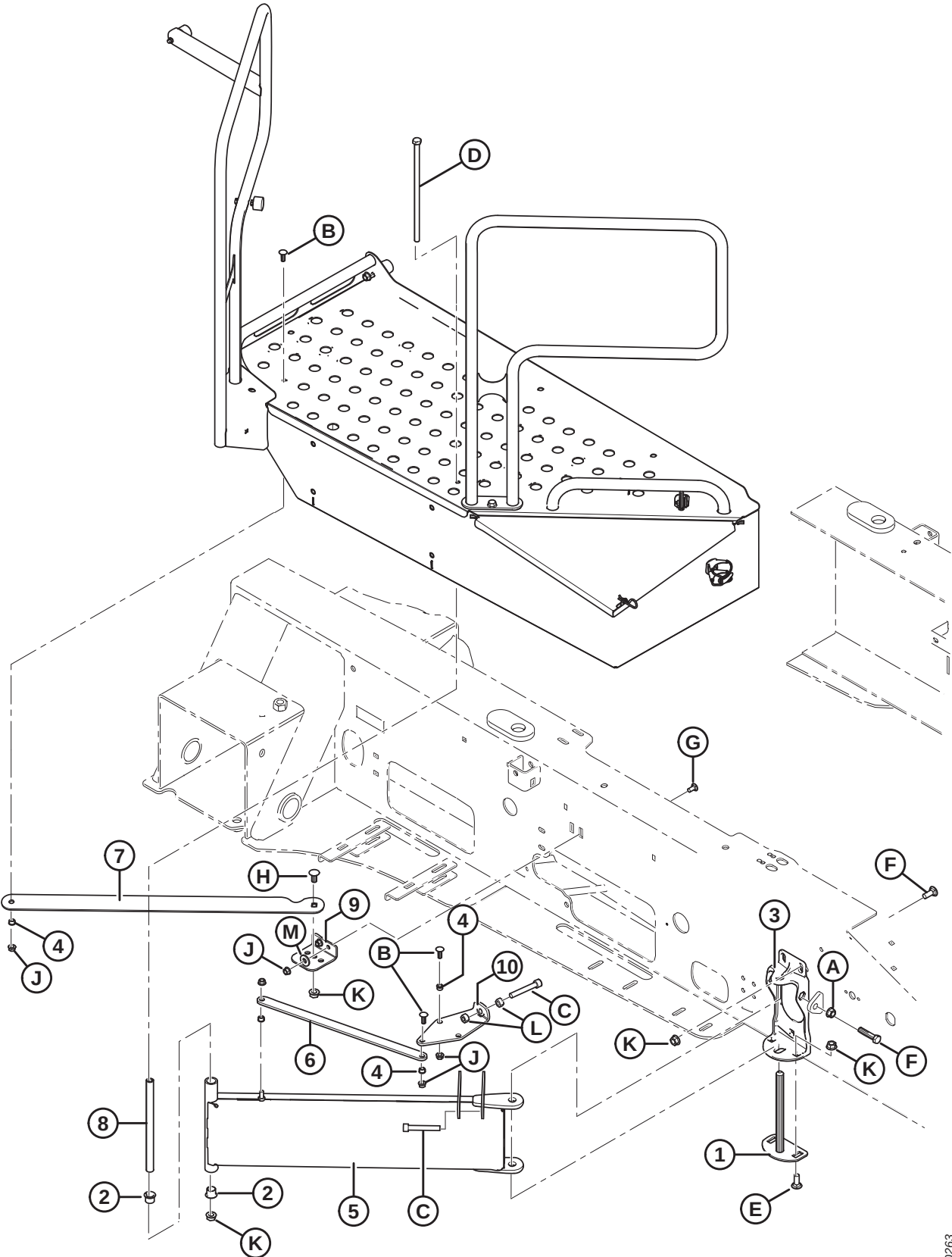


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PLATFORMS AND TOOLBOX

Ref	Part Number	Description	Qty	Serial Number
1	139497	PLATFORM – LH C/W 2 PANEL DECALS - M105	1	
	139841	PLATFORM - RH C/W 2-PANEL DECAL	1	
2	110354	BUMPER – RUBBER	4	
3	110817	COVER – SOFTEX GRIP	2	
4	110991	GUARD – FOAM RUBBER	2	
5	13125	PIN – HAIR	2	
6	134003	ASSY – STIRRUP LATCH	2	
7	139212	RAIL – WELD'T	2	
8	139234	BUMPER – RUBBER	2	
9	139264	STEP – WELD'T	2	
10	166421	PLATE – LATCH MOUNT	2	
11	139304	RAIL – FRONT WELD'T, LH	1	
	139435	RAIL – FRONT WELD'T RH	1	
12	139462	LID – TOOLBOX, LH WELD'T	1	
	139463	LID – TOOLBOX, RH WELD'T	1	
13	13951	PAD – RUBBER	2	
14	45948	HOLDER – GREASE GUN ZN PL	1	
A	105066	BOLT – HH FLG (SER FACE) 1/2-NC X 0.75 GR 5 ZP		
B	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
C	21066	BOLT – RHSN 1/2 NC X 1 GR 5 ZP		
E	21473	BOLT – RHSN 5/16 NC X 1.25 LG GR 5 ZP		
F	35689	NUT – SPECIAL		
G	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
H	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR 5		
J	100456	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		

4 Platform Mechanism

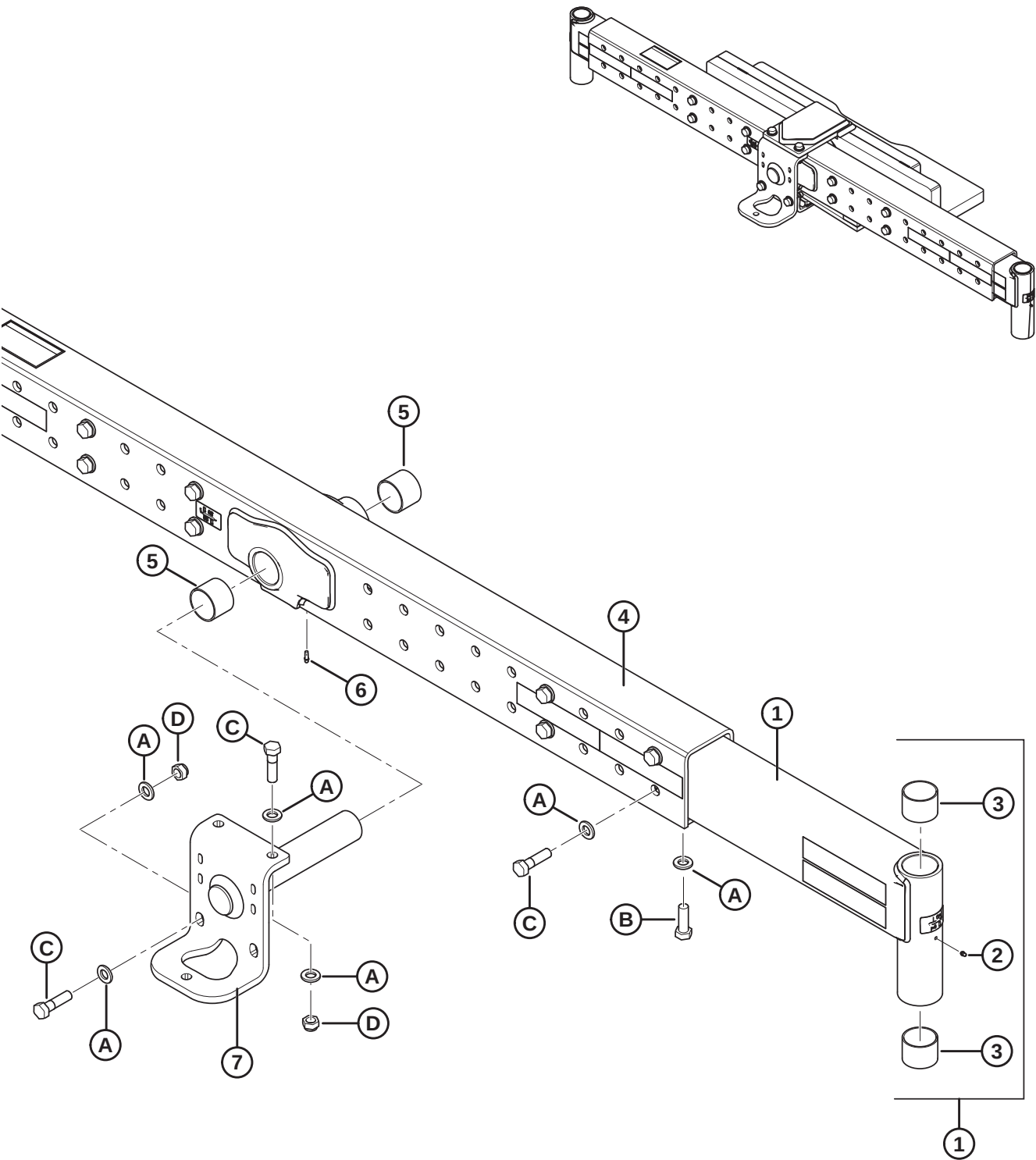


1010263

PLATFORM MECHANISM

Ref	Part Number	Description	Qty	Serial Number
1	110585	PIN – WELDT	2	
2	135570	BUSHING – TEFLON	4	
3	139197	SUPPORT – HINGE, PLATFORM	2	
4	139210	BUSHING – BRONZE	8	
5	139218	SUPPORT – PLATFORM, WELD'T	2	
6	139277	LINK – PLATFORM	2	
7	139284	ARM – PLATFORM	2	
8	139292	TUBE – HINGE	2	
9	183168	ANGLE – PLATFORM ARM PIVOT	2	
10	139203	LINK – STRIKER	2	
A	21383	NUT – FLG .500-13 UNC (SER FACE)		
B	100456	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
C	135410	BOLT – HEX SKT HD M12-1.75 X 80 ZN PL		
D	135908	BOLT – HH 1/2 NC X 12.0 LG GR 5 ZP		
E	21471	BOLT – RHSN 1/2 NC X 1.25 GR 5 ZP		
F	21578	BOLT – HH 1/2 NC X 2.25 LG GR 5 ZP		
G	100456	BOLT – RHSN 3/8 NC X 1.00 LG GR 5 ZP		
H	21868	BOLT – RHSN 1/2 NC X 1.0 GR 5 ZP		
J	30228	NUT – FLG DT SMOOTH FACE 0.375-16 UNC		
K	50186	NUT – FLG LK SMTH FACE DT 0.500-13 UNC GR5		
L	135156	NUT – HEX M12 X 1.75 ZP CLASS 10 STYLE 1		
M	20535	WASHER – FLAT		

5 Walking Beam

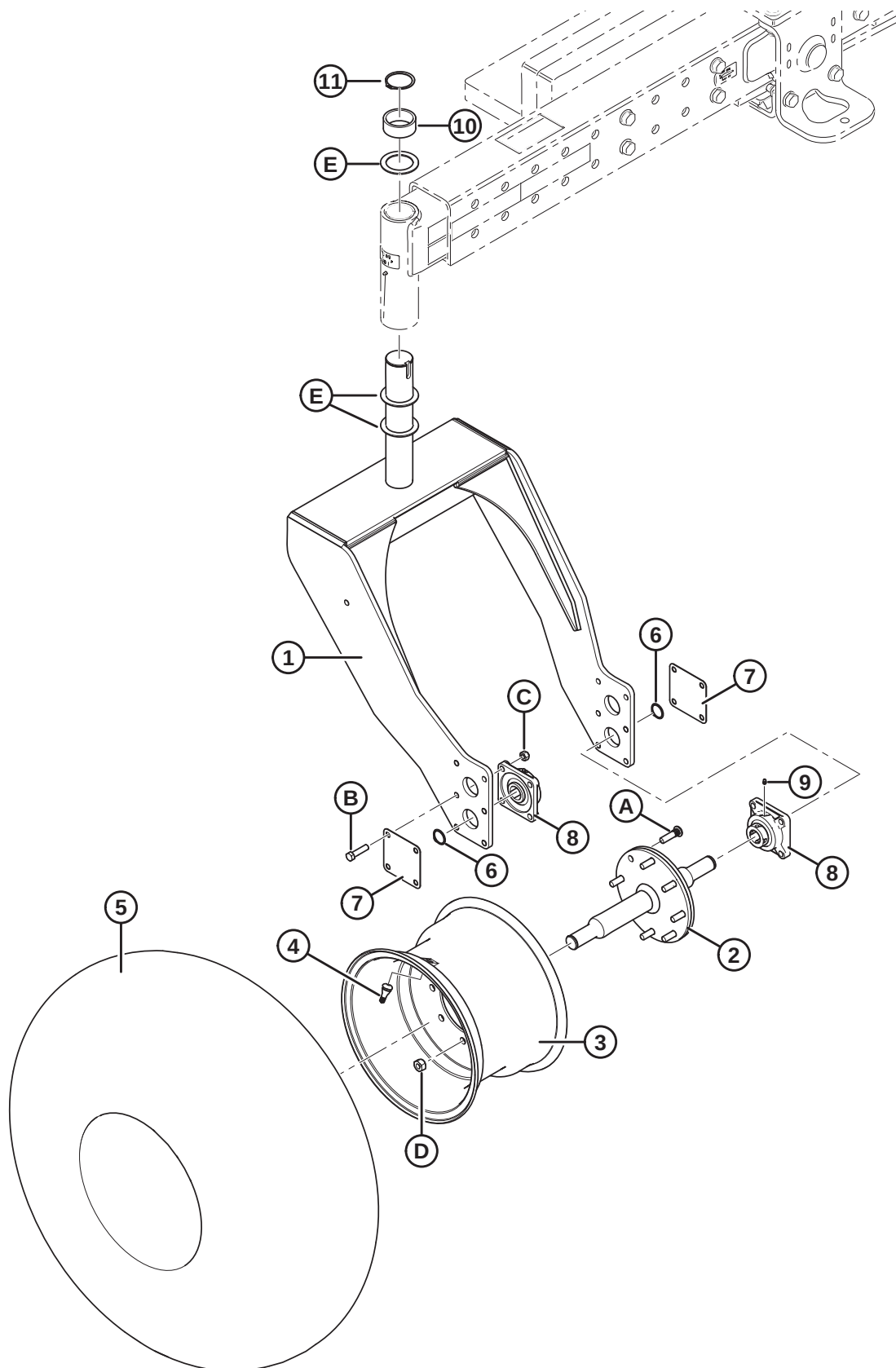


WALKING BEAM

Ref	Part Number	Description	Qty	Serial Number
1	110145	BEAM – EXTENSION, LH ²	1	
	110611	BEAM – EXTENSION, RH ²	1	
2	18671	FITTING – LUBE 1/4-28 UNF	2	
3	107201	BUSHING – SLEEVE	4	
4	183420	BEAM – CENTER ASSEMBLY ³	1	266820–
5	161226	BUSHING – SLEEVE (POLY)	2	266820–
	107201	BUSHING – SLEEVE	2	–266819
6	7536	FITTING – LUBRICATION 1/4-28 TAPER THD	1	–266819
7	110279	PIVOT WELDMENT	1	
A	21540	WASHER – HARDENED		
B	135225	BOLT – HEX HEAD 2-1/4 X 3/4-16 UNF		
C	112128	BOLT – HH 3/4-15 NF X 275 LG L9 ZN PL		
D	112129	NUT – HEX LOCK DT .750-16 UNF		

-
2. Includes lube fitting (MD #107201), beam (MD #183420), decal (MD #23165), and reflectors (MD #115145, 115147). Refer to Section [57 Information Decals and Reflectors, page 141](#).
 3. Includes items #5 (MD #161226), decal (MD #109842), and reflectors (MD #115145, 115147). Refer to Section [57 Information Decals and Reflectors, page 141](#).

6 Casters – Forked 16.5-16.1

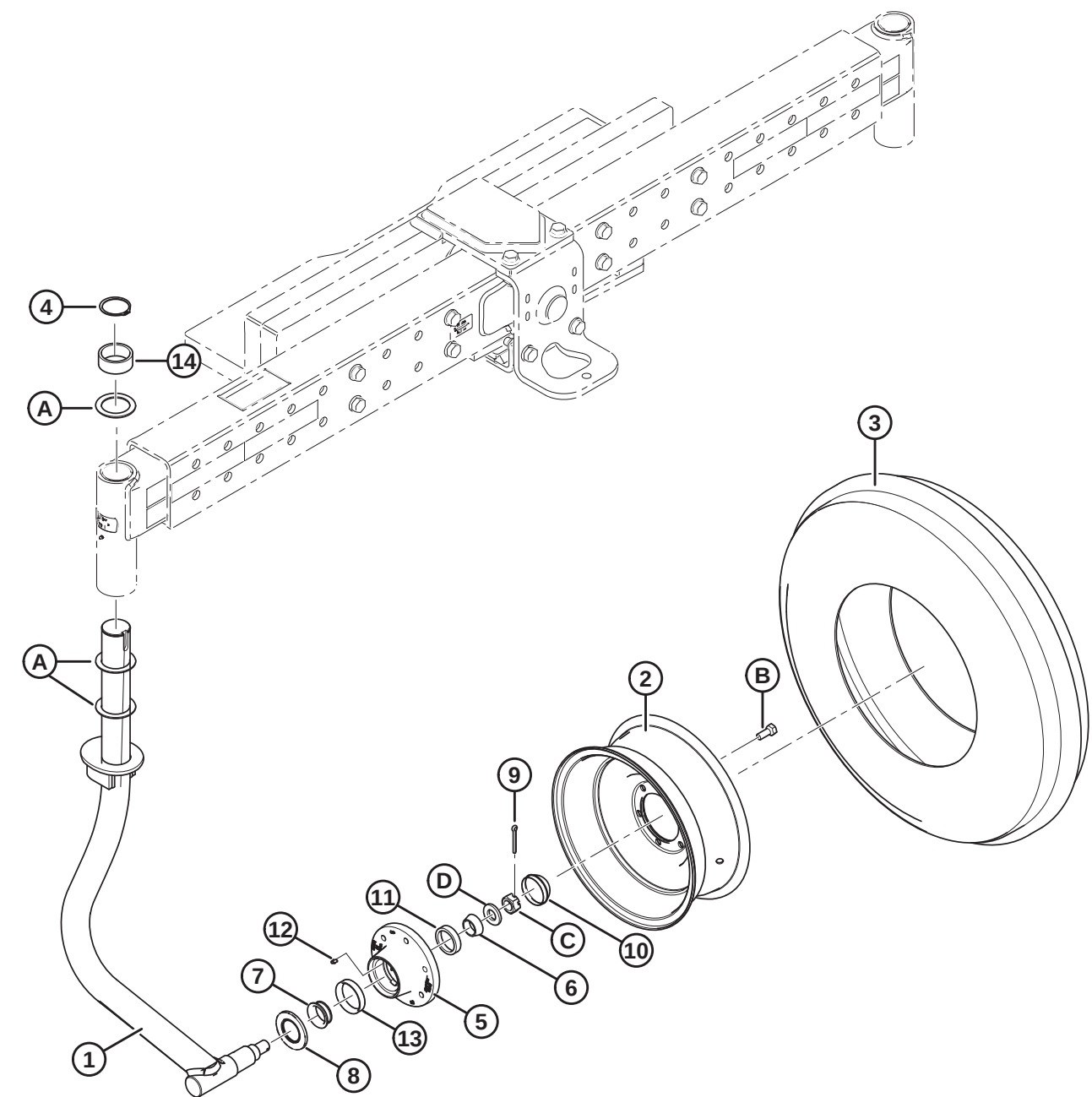


CASTERS – FORKED 16.5-16.1

Ref	Part Number	Description	Qty	Serial Number
	B4642	KIT – FORKED CASTERS (16.5-16.1) ⁴		
1	183414	CASTER – WELDMENT, C/W DECAL	2	
2	306327	SHAFT – CASTER, WELD'T BLACK	2	
3	111216	WHEEL	2	
4	21153	STEM – TIRE VALVE ASSEMBLY #TR – 415	2	
5	39273	TIRE	2	
6	135363	RING – RETAINING	4	
7	166067	PLATE – BEARING CAP	4	
8	135370	BEARING – ASSEMBLY	4	
	21936	BEARING – BALL		
9	18671	FITTING – LUBE	2	
10	161140	SPACER	2	
11	30243	RING – EXT RETAINING	2	
A	21357	BOLT – WHEEL (PRESS-IN) 9/16 NF X 53 LG		
B	21576	BOLT – HH 1/2 NC X 2.0 LG GR 5 ZP		
C	18697	NUT – HEX LOCK DT .500-13 UNC		
D	21358	NUT – WHEEL STUD 9/16 NF X 90°		
E	110584	WASHER – HARDENED FLAT		

4. Kits are available through Whole Goods only.

7 Casters – Formed 7.5-16

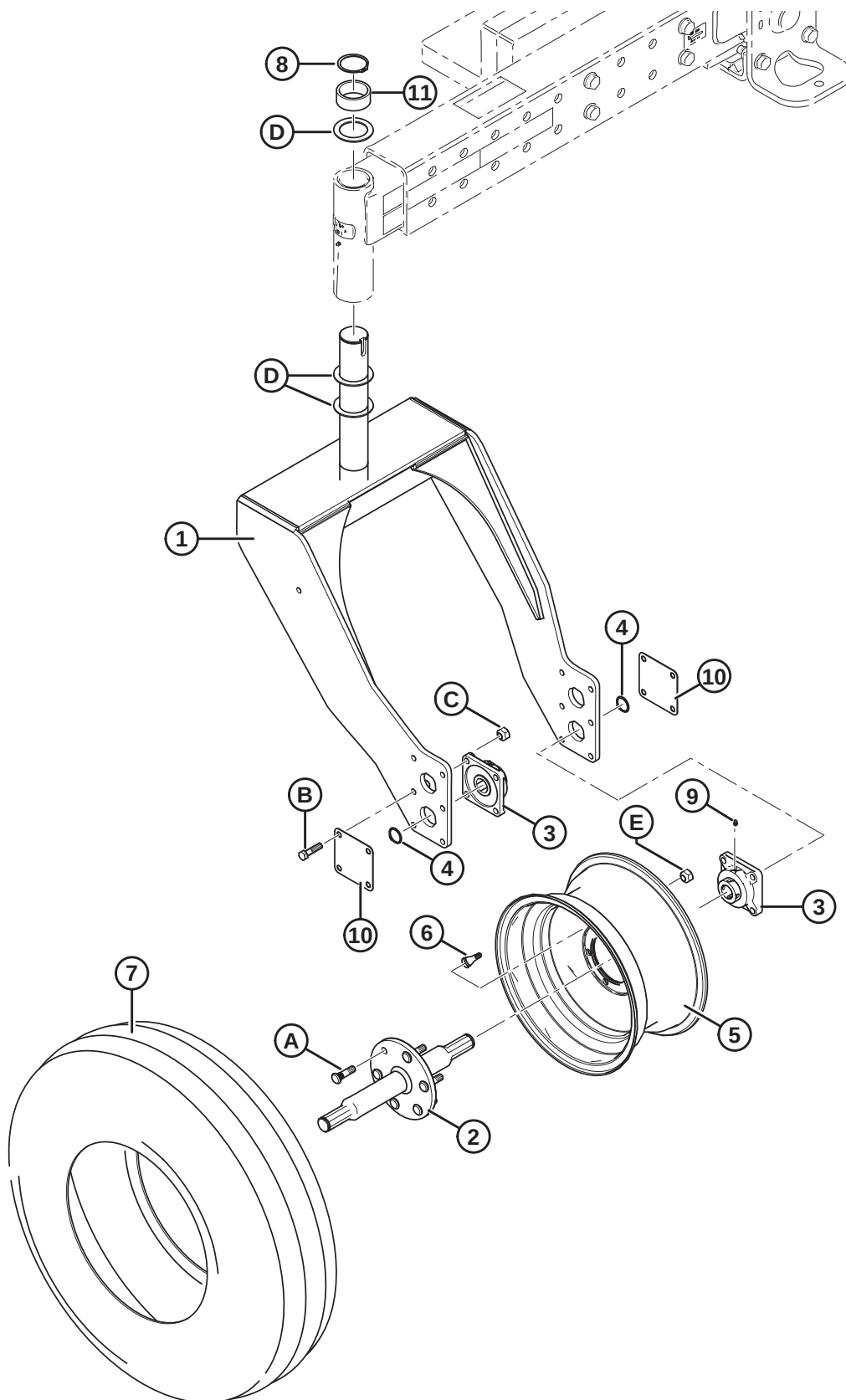


CASTERS – FORMED 7.5-16

Ref	Part Number	Description	Qty	Serial Number
	B4640	KIT – FORMED CASTERS (7.5-16) ⁵		
1	183416	CASTER – LH WELDT, C/W DECAL	1	
	183418	CASTER – RH WELDT, C/W DECAL	1	
2	112438	WHEEL – 16 X 6 LB	2	
3	166228	TIRE – 7.50-16 8 PLY	2	
	112442	TUBE – INNER TIRE	2	
4	30243	RING – EXT RETAINING	2	
5	140246	HUB – C/W BEARING CUPS AND GREASE FITTING	2	
6	30702	BEARING – CONE	2	
7	140247	BEARING – CONE ROLLER	2	
8	140248	SEAL – GREASE	2	
9	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
10	140250	CAP – DUST	2	
11	30701	CUP – OUTER	2	
12	50174	FITTING – LUBE, DRIVE TYPE	2	
13	140249	CUP – INNER	2	
14	161140	SPACER	2	
A	110584	WASHER – HARDENED FLAT		
B	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL		
C	19878	NUT – HEX SLOTTED 1.00-14 UNF		
D	31774	WASHER – FLAT		

5. Kits are available through Whole Goods only.

8 Casters – Forked 10 x 16



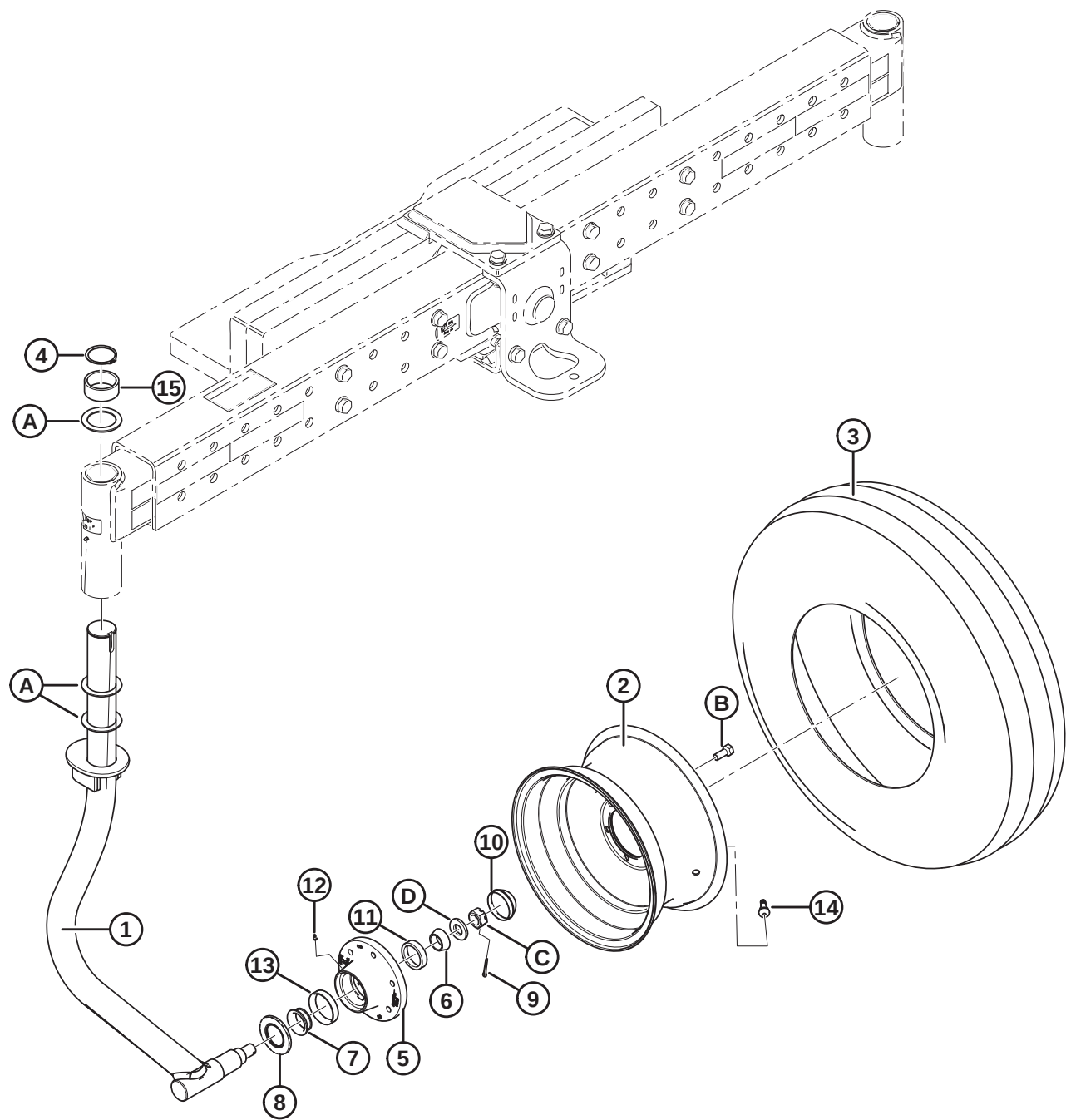
CASTERS – FORKED 10 X 16

Ref	Part Number	Description	Qty	Serial Number
	B4641	KIT – FORKED CASTERS (10 X 16) ⁶		
1	183414	CASTER – WELDMENT, C/W DECAL	2	
2	110756	SHAFT – WELDMENT	2	
3	135370	BEARING – ASSEMBLY	4	
	21936	BEARING – BALL SPH O.D C/W LC 1 3/8 IN. BORE		
4	135363	RING – RETAINING	4	
5	149817	WHEEL	2	
6	21153	STEM – TIRE VALVE ASSEMBLY #TR – 415	2	
7	149818	TIRE – 10.00 X 16, 8 PLY	2	
8	30243	RING – EXT RETAINING	2	
9	18671	FITTING – LUBE 1/4-28 UNF	4	
10	166067	PLATE – BEARING CAP	4	
11	161140	SPACER ⁷	2	
A	21357	BOLT – WHEEL (PRESS-IN) 9/16 NF X 53 LG		
B	21576	BOLT – HH 1/2 NC X 2 LG GR 5 ZP		
C	18697	NUT – HEX LOCK DT .500-13 UNC		
D	110584	WASHER – HARDENED FLAT		
E	21358	NUT – WHEEL STUD 9/16 NF X 90°		

6. Kits are available through Whole Goods only.

7. For units without anti-shimmy assembly.

9 Casters – Formed 10 x 16



1004810

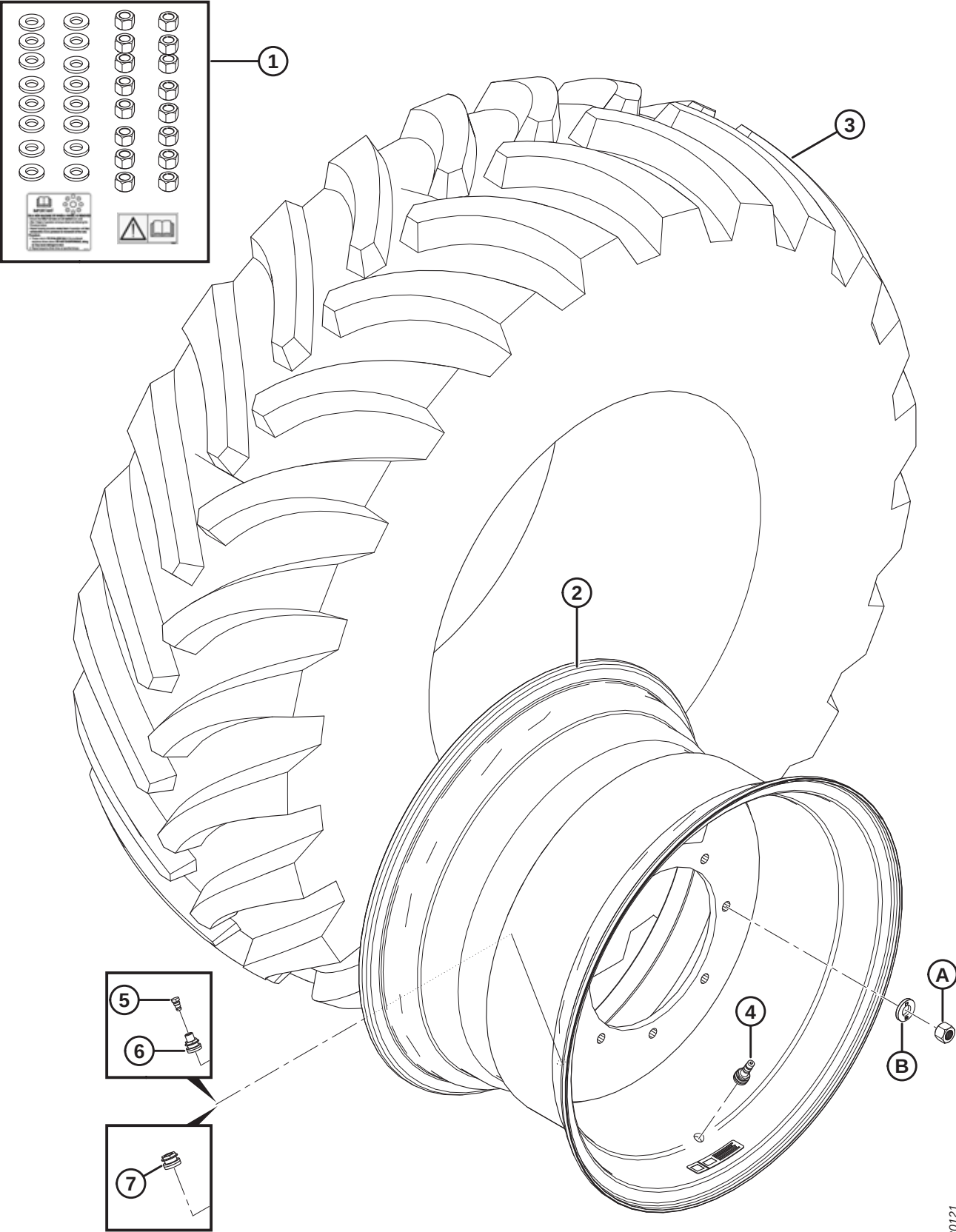
CASTERS – FORMED 10 X 16

Ref	Part Number	Description	Qty	Serial Number
	B4643	KIT – FORMED CASTERS (10 X 16) ⁸		
1	183416	CASTER – LH WELDT, C/W DECAL	1	
	183418	CASTER – RH WELDT, C/W DECAL	1	
2	149817	WHEEL – 10 X 16	2	
3	149818	TIRE – 10 X 16, 8 PLY	2	
4	30243	RING – EXT RETAINING	2	
5	140246	HUB – C/W BEARING CUPS AND GREASE FITTING	2	
6	30702	BEARING – CONE	2	
7	140247	BEARING – CONE ROLLER	2	
8	140248	SEAL – GREASE	2	
9	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
10	140250	CAP – DUST	2	
11	30701	CUP – OUTER	2	
12	50174	FITTING – LUBE, DRIVE TYPE	2	
13	140249	CUP – INNER	2	
14	21153	STEM – TIRE VALVE ASSEMBLY #TR – 415	2	
15	161140	SPACER ⁹	2	
A	110584	WASHER – HARDENED FLAT		
B	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL		
C	19878	NUT – HEX SLOTTED 1.00-14 UNF		
D	31774	WASHER – FLAT		

8. Kits are available through Whole Goods only.

9. For units without anti-shimmy assembly.

10 Drive Wheels and Tires – Eight Bolt



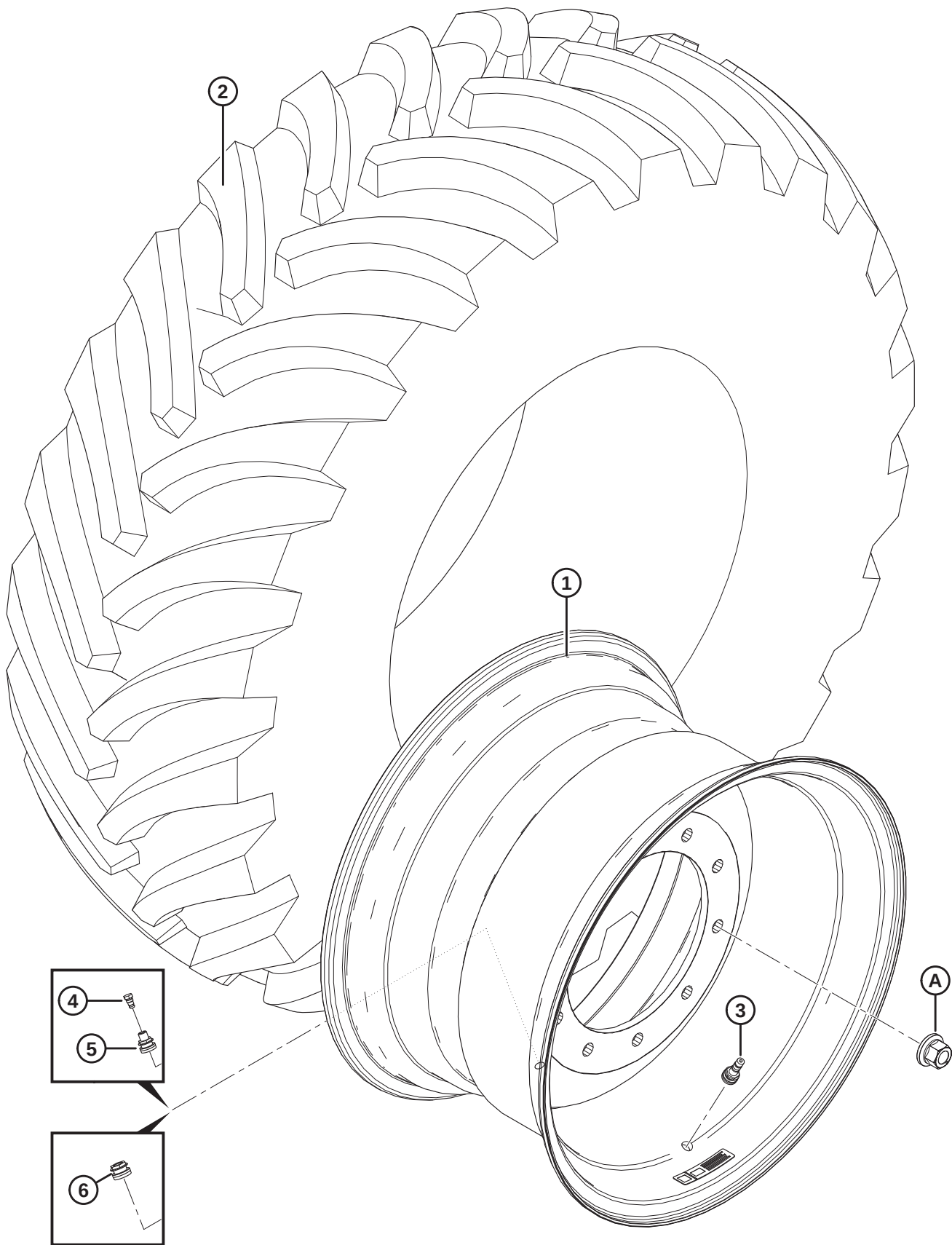
1030121

DRIVE WHEELS AND TIRES – EIGHT BOLT

Ref	Part Number	Description	Qty	Serial Number
1	166729	KIT – SERVICE L9 DRIVE WHEEL HARDWARE ¹⁰		
	B4632	KIT – DRIVE TIRES, TURF 23.1-26 ¹¹		
2	111699	WHEEL – 26DW-20L C/W DECALS	2	
3	111695	TIRE – 23.1 X 26 R3 10 PLY	2	
4	112475	STEM	2	
7	162436	PLUG – WHEEL	2	
	B4944	KIT – DRIVE TIRES, BAR 600-65 R28 ¹¹		
2	162019	WHEEL – 28 X 18 C/W DECALS	2	
3	162022	TIRE – 600-65 R28 BAR TREAD	2	
4	112475	STEM – VALVE (METAL)	2	
	B4634	KIT – DRIVE TIRES, TURF 18.4-26 ¹¹		
2	162295	WHEEL – 26DW-16L C/W DECALS AND VALVE STEMS (REVERSIBLE)	2	
3	163601	TIRE – 18.4 X 26-R3, TURF	2	
4	112475	STEM – VALVE (METAL)	2	
5	135611	PLUG – VALVE STEM	2	
6	162435	SPUD – WHEEL	2	
	B4633	KIT – DRIVE TIRES, BAR 18.4-26 ¹¹		
2	162295	WHEEL – 26DW-16L C/W DECALS AND VALVE STEMS (REVERSIBLE)	2	
3	111694	TIRE – 18.4 X 26 R1, BAR	2	
4	112475	STEM – VALVE (METAL)	2	
5	135611	PLUG – VALVE STEM	2	
6	162435	SPUD – WHEEL	2	
	B5506	KIT – DRIVE TIRES, TURF 580-70R 26 ¹¹		
2	111699	WHEEL – 26DW-20L C/W DECALS	2	
3	162431	TIRE – 580-70R26, TURF RADIAL	2	
4	112475	STEM – VALVE (METAL)	2	
5	135611	PLUG – VALVE STEM	2	
A	REF	NUT – HEX L9 5/8-18-L9-ZP ¹²		
B	REF	WASHER – FLAT HARDENED 5/8 IN. NOMINAL (L9) ¹²		

10. Kit replaces any previous nut for the eight-bolt configuration to eliminate any possible bolt loosening. Includes: 16 nuts (A), 16 washers (B), decals, and instructions.
11. Kits are available through Whole Goods only.
12. Not sold separately; service with kit MD #166729.

11 Drive Wheels and Tires – Ten Bolt



1008726

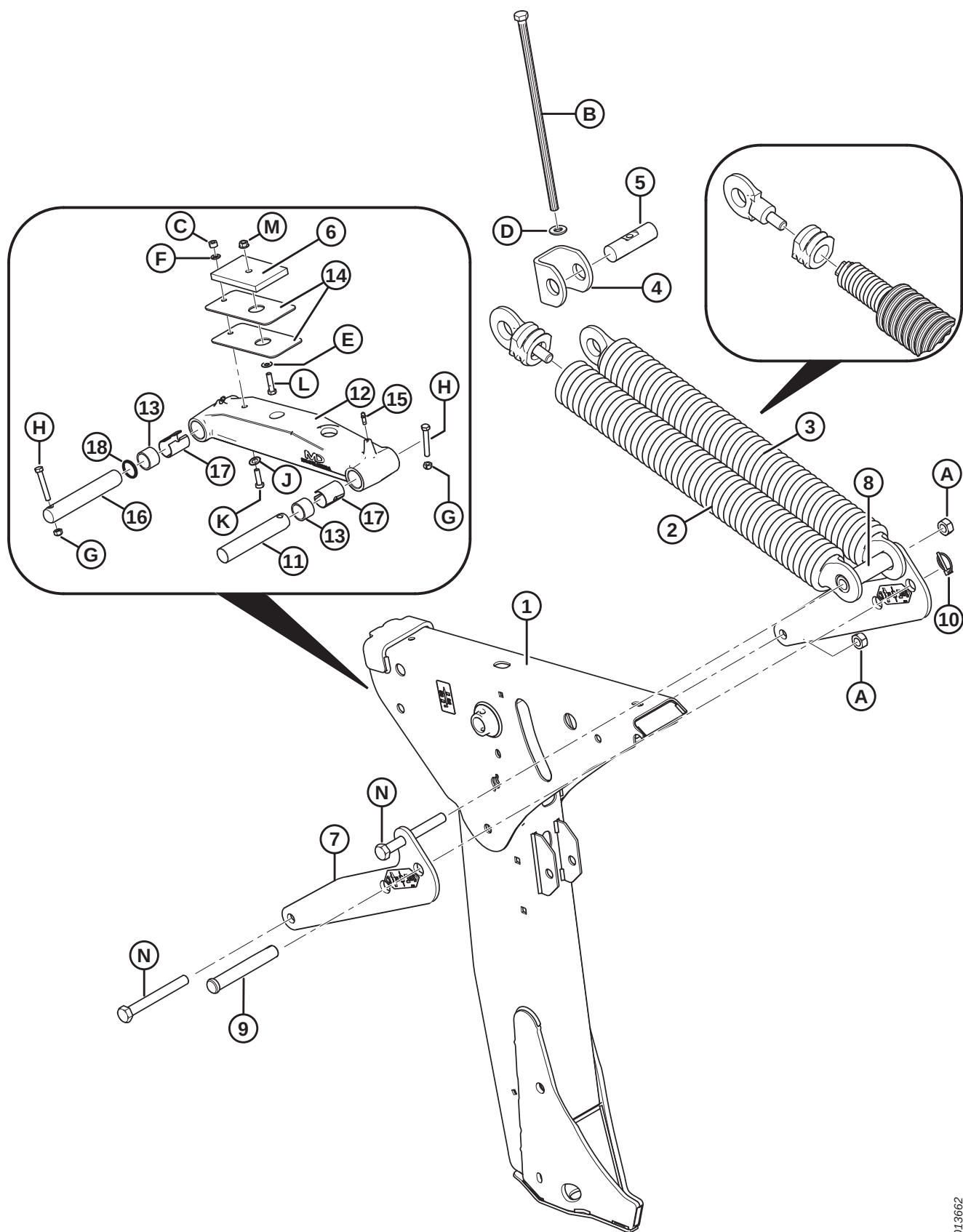
DRIVE WHEELS AND TIRES – TEN BOLT

Ref	Part Number	Description	Qty	Serial Number
	B5888	KIT – DRIVE TIRES, BAR 600 – 65 R28 ¹³		
1	204985	WHEEL – 28 X 18 C/W DECALS	2	
2	162022	TIRE – 600 – 65 R28 BAR TREAD	2	
3	112475	STEM – VALVE (METAL)	2	
	B5889	KIT – DRIVE TIRES, BAR 18.4 – 26 ¹³		
1	204993	WHEEL – 26DW – 16L C/W DECALS AND VALVE STEMS (REVERSIBLE)	2	
2	201784	TIRE – 18.4 X 26 R1, BAR	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
	B5890	KIT – DRIVE TIRES, TURF 23.1 – 26 ¹³		
1	205009	WHEEL – 26DW – 20L C/W DECALS	2	
2	201785	TIRE – 23.1 X 26 R3 16 PLY	2	
3	112475	STEM	2	
6	162436	PLUG – WHEEL	2	
	B5891	KIT – DRIVE TIRES, TURF 18.4 – 26 ¹³		
1	204993	WHEEL – 26DW – 16L C/W DECALS AND VALVE STEMS (REVERSIBLE)	2	
2	204938	TIRE – 18.4 X 26 R3, TURF	2	
3	112475	STEM – VALVE (METAL)	2	
4	135611	PLUG – VALVE STEM	2	
5	162435	SPUD – WHEEL	2	
A	205397	NUT – WHEEL DIN 74361N M20 X 1.5 X GR 10.9 ¹⁴		

13. Kits are available through Whole Goods only.

14. Not serviced individually; nut (MD #205397) must be ordered in multiples of 10 only.

12 Lift Linkage



LIFT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
	B5303	KIT – INTERNAL BOOSTER SPRING ¹⁵		
1	166446	ARM – ASSY LH, C/W 2 PANEL DECAL AND LOWER PIN	1	
	166447	ARM – ASSY RH, C/W 2 PANEL DECAL AND LOWER PIN	1	
2	306104	SPRING – ASSEMBLY ¹⁶	2	
3	306106	SPRING – ASSEMBLY (INNER AND OUTER) ¹⁶	2	
4	44601	CLEVIS	2	
5	44995	PIN – STRAIGHT	2	
6	42497	PAD – RUBBER	2	
7	166714	ARM – FLOAT ADJUST, C/W DECALS ¹⁷	4	
8	112916	TUBE – PIVOT	4	
9	112752	PIN – CLEVIS	2	
10	102264	PIN – LYNCH 3/16 X 1-9/16 IN.	2	
11	112639	PIN – FLOAT LINK	2	
12	112727	ARM – FLOAT LINK ASSEMBLY ¹⁸	2	
13	112789	BEARING – NEEDLE	8	
14	110853	SHIM – LINKAGE	4	
15	7536	FITTING – LUBRICATION 1/4-28 TAPER THD	4	
16	183821	PIN – STRAIGHT	2	
17	163310	SPACER – FLOAT LINK ARM	4	
18	139134	SEAL	4	
A	102636	NUT – HEX DT .750-10 UNC		
B	112740	BOLT – HH WELDT		
C	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
D	30441	WASHER – HARDENED		
E	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
F	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D. ZP		
G	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
H	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
J	20535	WASHER – FLAT		
K	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
L	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
M	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
N	30387	BOLT – HH 3/4 NC X 6.5 LG GR 5 ZP		

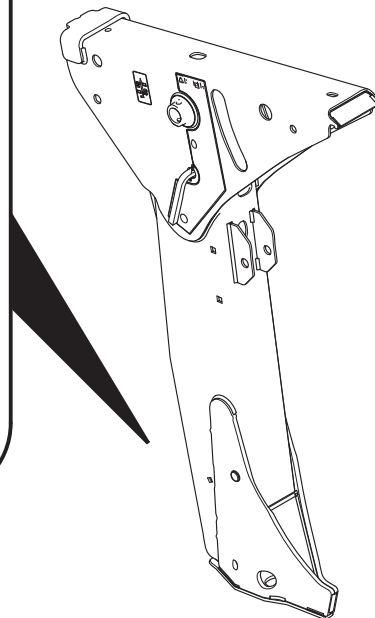
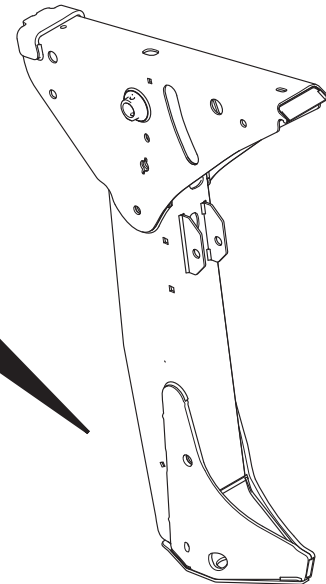
15. Includes spring assembly (MD #306106) and instructions. Kits are available through Whole Goods only.

16. Complete assembly.

17. Decals are available separately. Refer to Section [57 Information Decals and Reflectors, page 141](#).

18. Includes four needle bearings (MD #112789), two spacers (MD #163310), and two seals (MD #139134).

169891

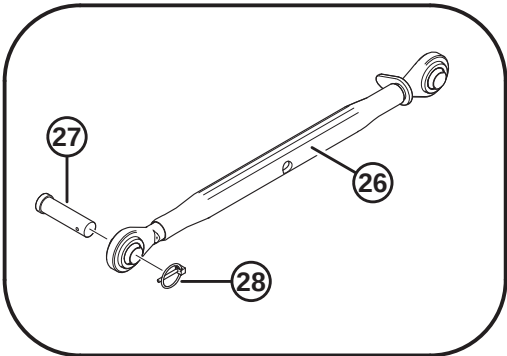
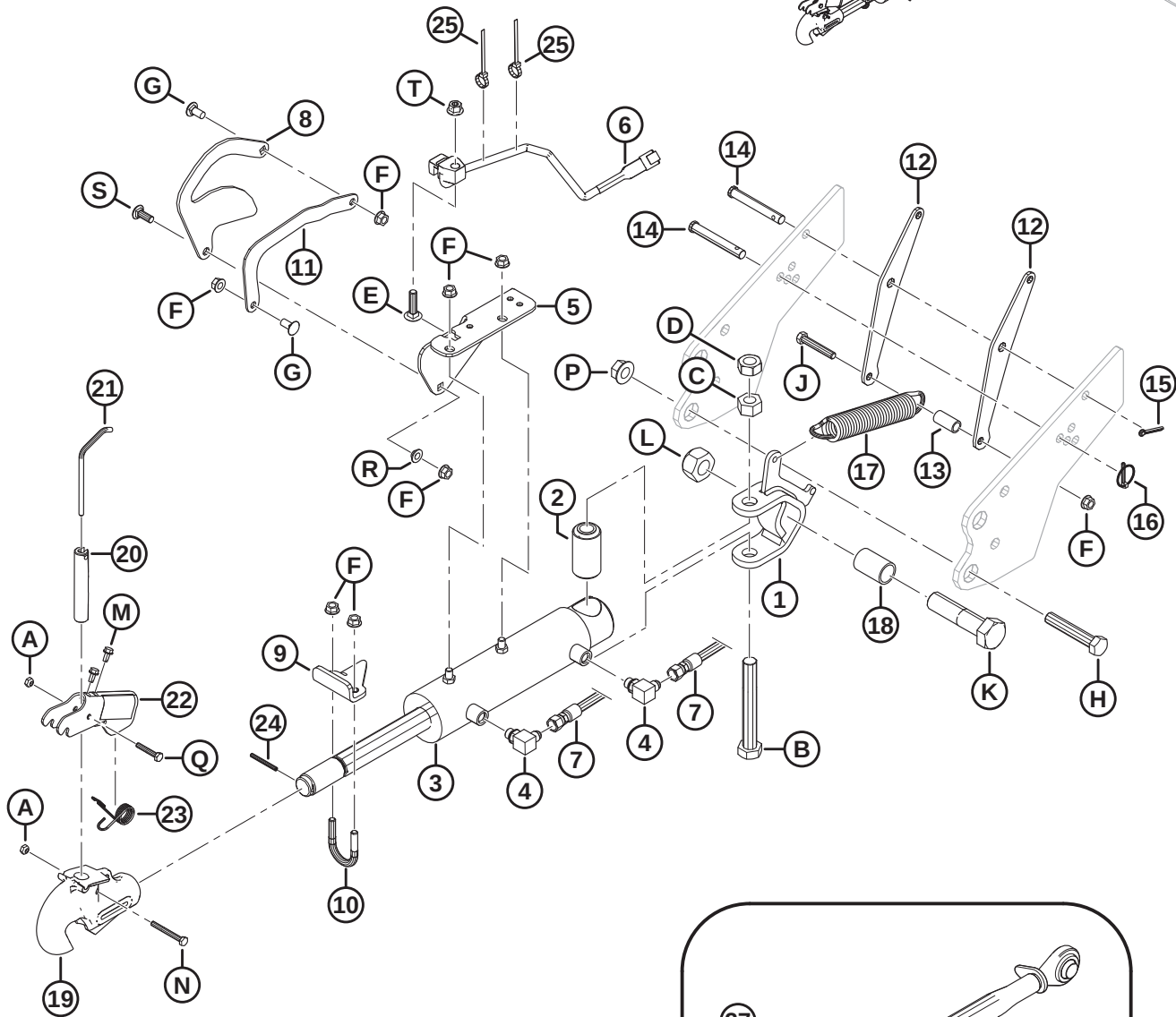
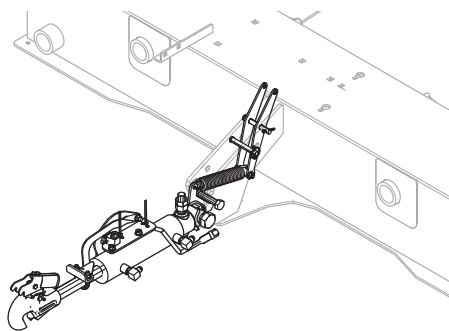


LIFT LINKAGE CYLINDERS

Ref	Part Number	Description	Qty	Serial Number
1	208647	CYLINDER – MASTER, 3.25 IN. BORE	1	
	183427	SEAL KIT		
2	208648	CYLINDER – SLAVE, 2.75 IN. BORE	1	
	183428	SEAL KIT		
3	19739	SPRING – COMPRESSION	2	
4	13617	PIN – SPRING 3/16 DIA X 1.25 LG	4	
5	112908	ARM – LOCKUP LINK	2	
6	183543	SHAFT WITH HANDLE GRIP	2	
7	21804	FITTING – CONNECTOR HYD	3	
8	21030	FITTING – CONNECTOR HYD	1	
9	112804	BAR – HEIGHT SENSOR LINK	1	
10	183846	KIT – SENSOR, HALL EFFECT ¹⁹	1	
11	112803	BAR – HEIGHT SENSOR LINK	1	
12	163676	SUPPORT – HEIGHT SENSOR	1	
13	138772	PIN – STRAIGHT	2	
14	138773	PLATE – PIN RETAINER	2	
15	163373	WASHER – FLAT RD (SQUARE BORE)	2	
16	112907	CHANNEL LOCK RELEASE	2	
17	112759	PIN – STRAIGHT	2	
18	112798	LOCK – HEADER, WELDT	2	
A	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
B	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
C	21567	BOLT – HEX HD .375-16 UNC X 0.75 LG		
D	135281	WASHER – SHOULDER		
E	30035	BOLT – HH 3/8 NC X 2.75 LG GR 5 ZP		
F	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
G	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
H	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
J	163373	WASHER – FLAT RD (SQ. BORE)		
K	18604	PIN – COTTER 3/32 DIA X 3/4 ZP		

19. If replacing the superseded sensor (MD #166237), order sensor kit (MD #183846). The kit includes sensor (MD #206661), M10 40 mm bolt (MD #152732), and hex nut (MD #135927).

14 Center-Link

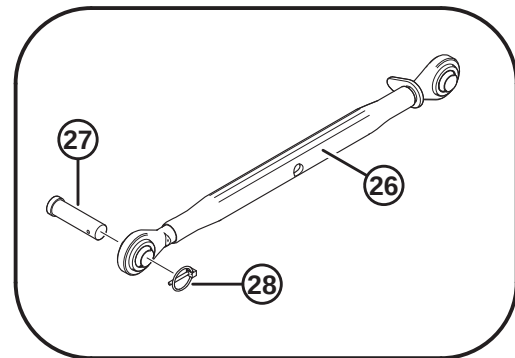
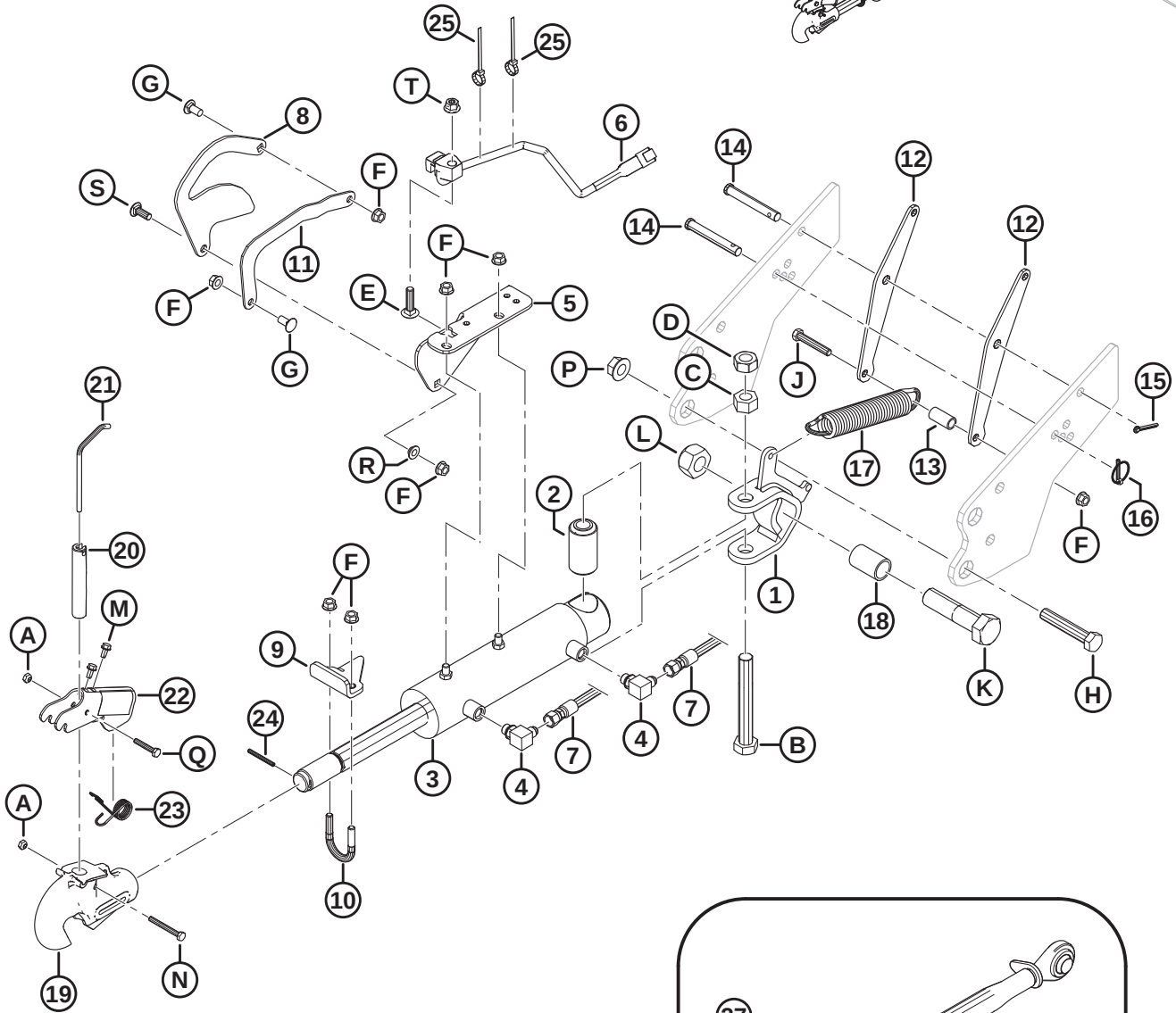
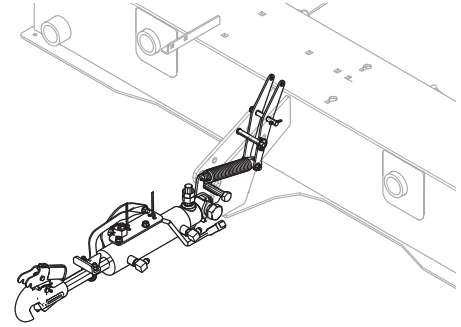


CENTER-LINK

Ref	Part Number	Description	Qty	Serial Number
	B4650	KIT – HYDRAULIC CENTER-LINK ²⁰		
	B4665	KIT – MECHANICAL CENTER-LINK ²¹		
1	110824	CLEVIS – WELD'T	1	
2	30574	BUSHING – RUBBER	1	
3	163466	CYLINDER – CENTER-LINK ²²	1	
	112625	SEAL KIT – CYLINDER	1	
4	30282	FITTING – ELBOW 90° HYD	2	
5	163396	SUPPORT – TILT SENSOR	1	
6	183846	KIT – SENSOR, HALL EFFECT ²³	A/R	
7	172986	HOSE – HYD, 1/4 IN. I.D., 1913 MM LG, METAL REIN.	2	
8	112901	LINK – TILT SENSOR	1	
9	112691	SUPPORT	1	
10	112973	U-BOLT	1	
11	112903	LINK – TILT SENSOR	1	
12	166753	BAR – SPRING	2	
13	17675	SPACER	1	
14	101007	PIN – CLEVIS	2	
15	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	1	
16	50193	PIN – LYNCH	1	
17	9423	SPRING – EXTENSION	1	
18	110971	SPACER – 1.25 O.D. X 1.0 I.D.	1	
19	156849	HOOK ASSEMBLY ²⁴	1	
20	156848	PIN – LOCK	1	
21	156886	ROD – ACTUATOR	1	
22	139724	LATCH – HANDLE	1	
23	133209	SPRING – LATCH ASSEMBLY	1	
24	135453	PIN – SPRING 3/16 DIA X 1 7/8 LG	1	
25	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	2	
26	112869	JOINT ASSEMBLY (MECHANICAL CENTER-LINK)	1	
27	102265	PIN – CLEVIS (MECHANICAL CENTER-LINK)	1	
28	102264	PIN – LYNCH (MECHANICAL CENTER-LINK)	1	
A	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
B	30549	BOLT – HH 3/4 NC X 5.5 LG GR 5 ZP		
C	18593	NUT – HEX 3/4-10 UNC GR 5 ZP		
D	102636	NUT – HEX DT .750-10 UNC		

20. When installing optional Hydraulic Center-Link kit B4650, it will be necessary to also install Auxiliary Lift Valve Kit B5269; refer to Section [65 \(Option\) Auxiliary Valve Kit, page 157](#). Kits are available through Whole Goods only.
21. Kits are available through Whole Goods only.
22. Includes bushing (MD #30574).
23. If replacing the superseded sensor (MD #166237), order sensor kit (MD #183846). The kit includes sensor (MD #206661), M10 40 mm bolt (MD #152732), and hex nut (MD #135927).
24. Includes lock pin (MD #156848), actuator rod (MD #156886), latch handle (MD #139724), latch assembly spring (MD #133209), and hardware.

CENTER-LINK



1039884

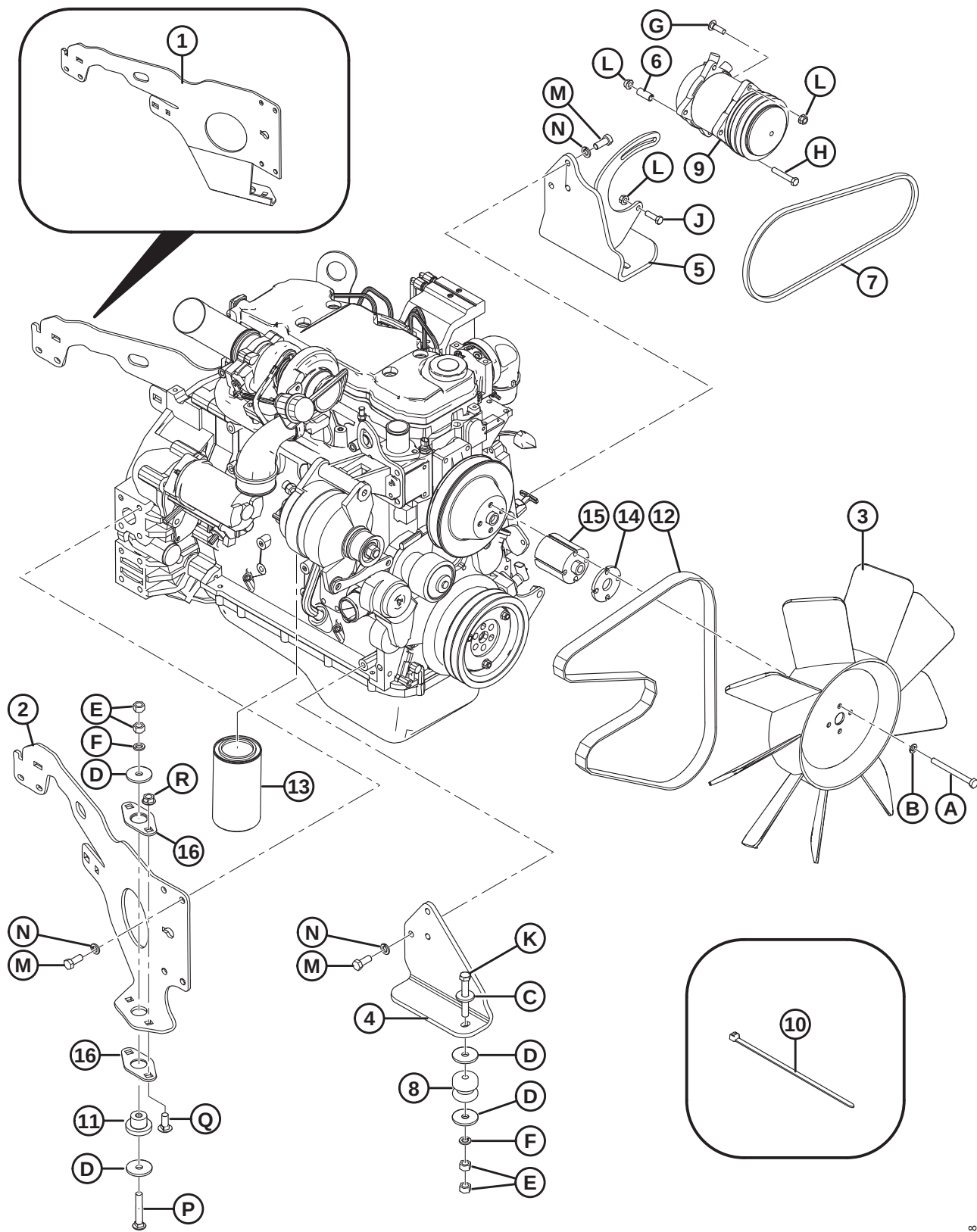
CENTER-LINK

Ref	Part Number	Description	Qty	Serial Number
E	152732	BOLT – RHSN M10 X 1.5 X 40-8.8-A3L ²⁵		
F	30228	NUT – FLG DT SMOOTH FACE 3/8-16 UNC		
G	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
H	21406	BOLT – HH 5/8 NC X 3.5 LG GR 5 ZP		
J	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
K	30897	BOLT – HH 1.0 NC X 4.0 LG GR 5 ZP		
L	135172	NUT – HEX LOCK DT 1.0-8 UNC		
M	21055	SCREW – SELF TAP HEX WASH HD 1/4 NC X 1/2		
N	30638	BOLT – HH 1/4 NC X 2.25 LG GR 5 ZP		
P	50225	NUT – FLANGE DT SMOOTH FACE .625-11 UNC		
Q	21574	BOLT – HH 1/4 NC X 1.5 LG GR 5 ZP		
R	135281	WASHER – SHOULDER, NYLON		
S	100456	BOLT – RHSSN 3/8 NC X 1.0 GR 5 ZP		
T	135799	NUT – HEX FLG CTR LOC M10 X 1.5-10 ²⁶		

25. If the superseded sensor (MD #166237) is installed, use 3/8-16 x 1.25 bolt (MD #19966) instead.

26. If the superseded sensor (MD #166237) is installed, use 3/8-16 flange nut (MD #30228) instead.

15 Engine Sub Assembly



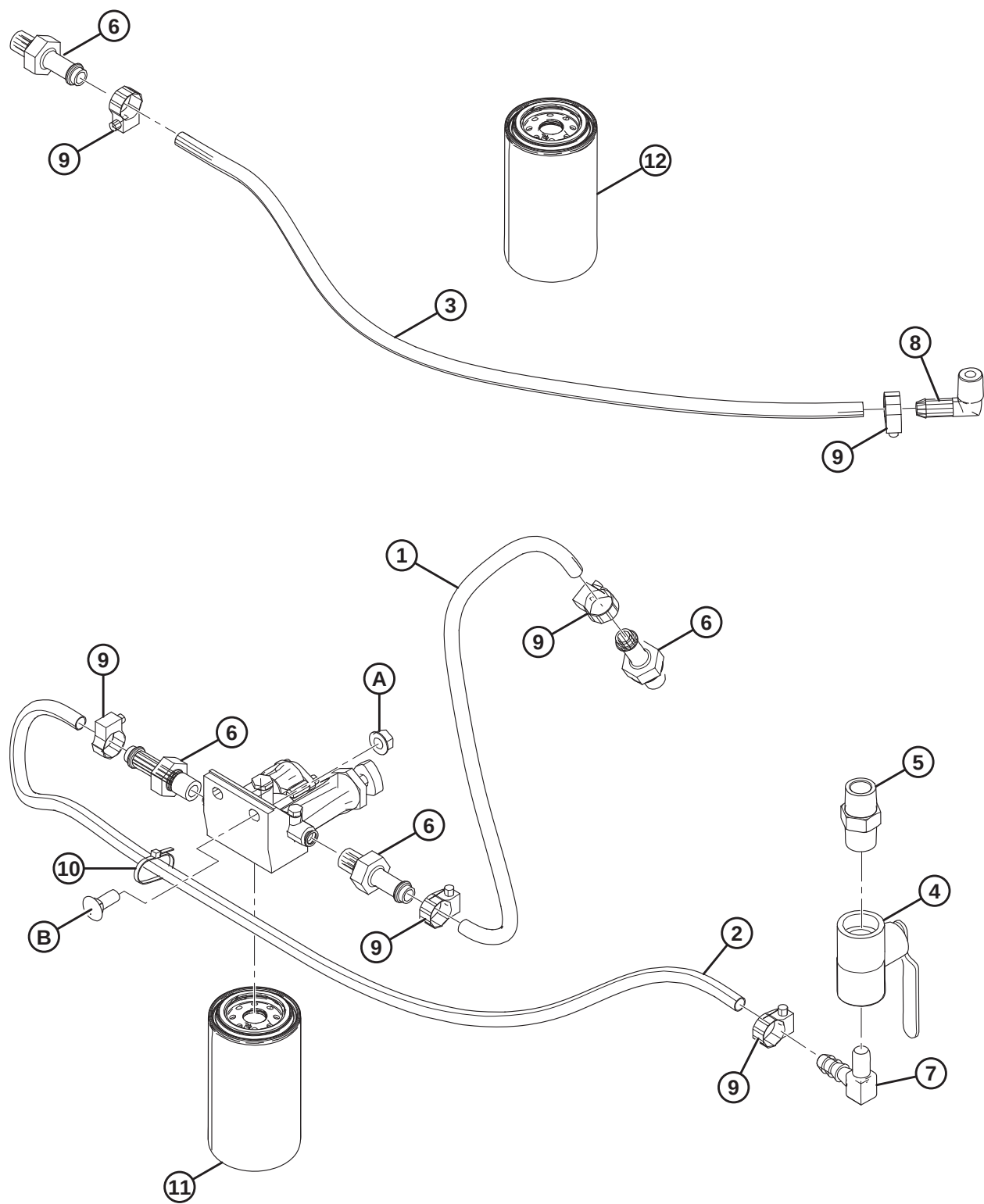
ENGINE SUB ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
1	183182	SUPPORT – ENGINE, RH C/W DECAL ²⁷	1	
2	183108	SUPPORT – ENGINE, LH	1	
3	112842	FAN – ENGINE (CUMMINS)	1	
4	111838	PLATE – ENGINE MOUNT	1	
5	162037	ASSY – MOTOR MOUNT C/W SPACER	1	
6	23050	SPACER	1	
7	163368	BELT – V SAE 13A	1	
8	42099	INSULATOR	2	
9	183515	COMPRESSOR – A/C ²⁸	1	244010–
	109617	COMPRESSOR ²⁸	1	–244009
10	21763	FASTENER – CABLE TIE (BLACK)	2	
11	138477	INSULATOR	2	
12	183137	BELT – FAN	1	
13	111974	FILTER – OIL	1	
14	162118	SPACER – 1/4 IN.	1	
15	111344	SPACER 3 IN.	1	
16	183153	SUPPORT – ENGINE MOUNT	4	
A	135502	BOLT – HH M10 X 1.5 X 110 LG ZP		
B	30632	WASHER – LOCK SPRING M10 ZP		
C	4761	WASHER – FLAT		
D	11695	WASHER – FLAT		
E	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
F	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
G	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
H	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
J	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
K	21581	BOLT – HH 1/2 NC X 3.5 LG GR 5 ZP		
L	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
M	30630	BOLT – HH M12 X 1.75 X 30 LG ZP		
N	30633	WASHER – LOCK SPRING M12 ZP		
P	30266	BOLT – RHSN 1/2 NC X 3.0 LG GR 5 ZP		
Q	21471	BOLT – RHSN 1/2 NC X 1.25 LG GR 5 ZP		
R	50186	NUT – FLANGE DT SMOOTH FACE 1/2 NC		

27. Includes safety decal (MD #166425).

28. Includes clutch (MD #160289)

16 Fuel System



FUEL SYSTEM

Ref	Part Number	Description	Qty	Serial Number
1	138619	HOSE – FUEL (3/8 IN.)	1	
2	139659	HOSE – FUEL (3/8 IN.)	1	
3	138974	HOSE – FUEL (3/8 IN.)	1	
4	111440	VALVE – BALL 3/8 NPT	1	
5	21844	FITTING – PIPE NIPPLE	1	
6	134173	FITTING – ADAPTER 3/8 IN. BARBED TO M12X1.5	4	
7	50069	FITTING – 90° BARB. ELBOW 3/8 I.D. HOSE X 3/8 NPT	1	
8	111442	FITTING – ELBOW 90° BARBED	1	
9	30500	CLAMP – HOSE GEAR TYPE	6	
10	21763	FASTENER – CABLE TIE (BLACK)	3	
11	111972	ELEMENT – PRIMARY FUEL FILTER	1	
12	166312	ELEMENT – SECONDARY FUEL FILTER	1	
A	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR 5		
B	21471	BOLT – RHSN 1/2 NC X 1.25 GR 5 ZP		

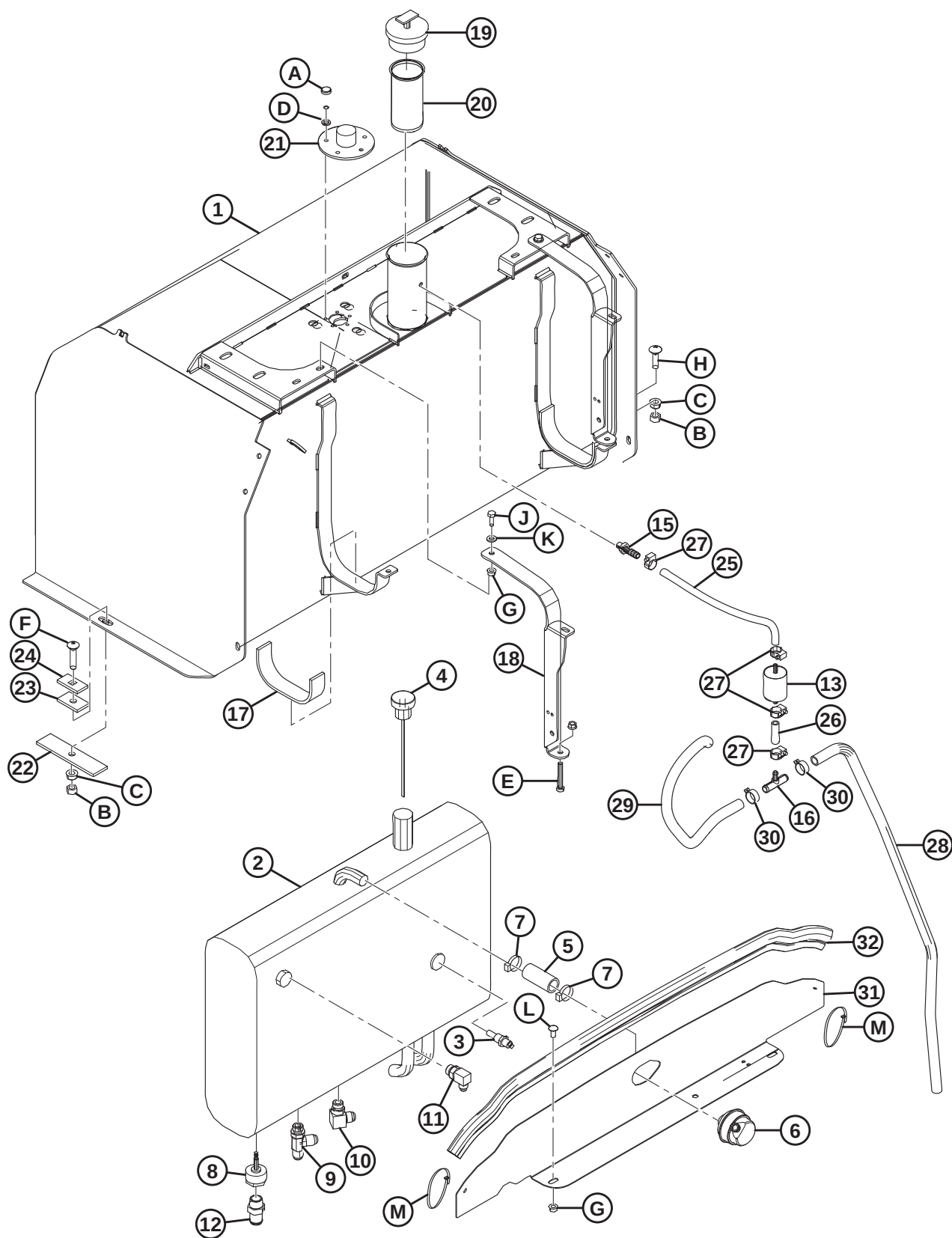
169891



TANKS – FUEL AND HYDRAULIC

Ref	Part Number	Description	Qty	Serial Number
1	110246	TANK – FUEL WELDT	1	
2	131313	TANK – HYDRAULIC C/W DECALS	1	
	111975	PLUG – 0.875-14 MAGNETIC HEAD	1	
	111976	SCREEN – 30X30 MESH	1	
3	110444	SWITCH – HYDRAULIC OIL TEMP	1	
4	21822	GAUGE – OIL FILLER/DIPSTICK	1	
5	110447	HOSE – VENT	1	
6	20579	CLEANER – VENT	1	
7	30670	CLAMP – HOSE	2	
8	163969	VALVE – CHECK	1	
9	50019	FITTING – TEE HYD STR THD RUN TEE CW O-RING	1	
10	21843	FITTING – ELBOW 90° HYD 10-10	1	
11	21801	FITTING – ELBOW 90° HYD 8-10	1	
12	135584	FITTING – ADAPTER 1.0 IN. HOSE 0.75 IN. NPT	1	
13	111608	FILTER – FUEL STRAINER	1	
15	21992	FITTING – BARBED 1/8 NPT X 3/8 I.D. HOSE	1	
16	134055	FITTING – TEE (5/8X5/8X3/8 IN.)	1	
17	110135	PAD – RUBBER	2	
18	183191	STRAP – HYD TANK	2	
19	110248	CAP – FUEL TANK	1	
20	163989	FILTER – FUEL FILLER	1	
21	112142	SENDER – FUEL LEVEL CW GASKET LESS MTG HDWE	1	
22	112095	PAD – RUBBER	1	
23	112153	PAD – RUBBER	1	
24	112154	PLATE	1	
25	163639	HOSE – FUEL (3/8 IN.)	1	
26	163640	HOSE – FUEL (3/8 IN.)	1	
27	30500	CLAMP – HOSE GEAR TYPE	4	
28	204878	HOSE – TANK BREATHERS	1	
29	24936	HOSE	1	
30	112692	CLAMP – HOSE	2	
31	183192	ANGLE – AIR BAFFLE	1	–244009
	167839	ANGLE – AIR BAFFLE	1	244010–
32	110807	SEAL – AIR DAM	1	
A	18577	SCREW – MACH PHILIPS PAN HD# 10 NC X 3/4		
B	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
C	21383	NUT – FLANGE .500-13 UNC (SER FACE)		
D	18634	WASHER – REG. LOCK #10 NOM. I.D. ZP		
E	21262	BOLT – HEX HD 3/8 NC X 2.5 TFL GR 5 ZP		
F	30027	BOLT – RHSN 1/2 NC X 2.25 LG GR 5 ZP		
G	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
H	30515	BOLT – RHSN 1/2 NC X 1.75 LG GR 5 ZP		
J	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		
K	30655	WASHER – HARDENED		

TANKS – FUEL AND HYDRAULIC

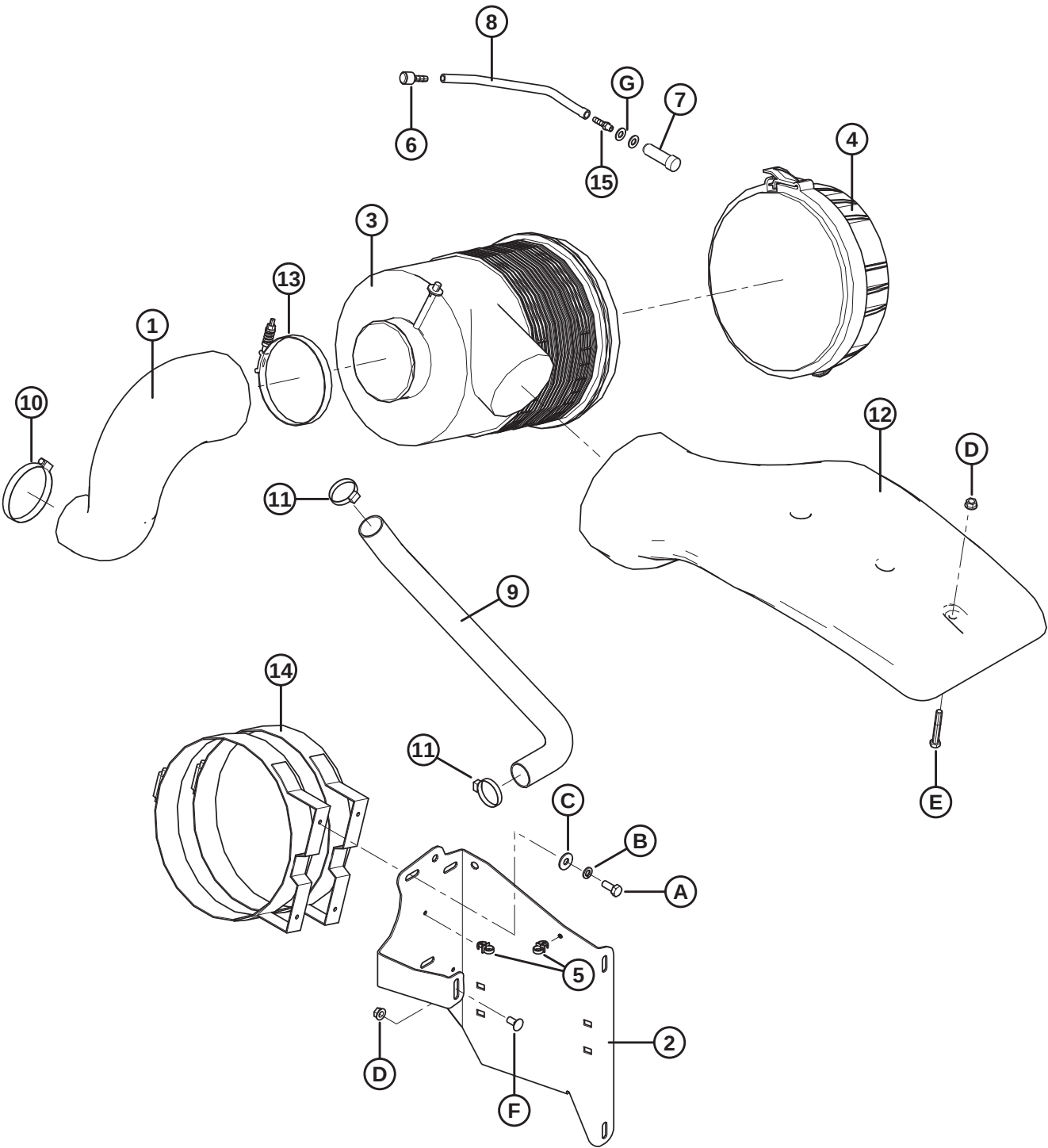


1009670

TANKS – FUEL AND HYDRAULIC

Ref	Part Number	Description	Qty	Serial Number
L	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
M	21763	FASTENER – CABLE TIE (BLACK)		

18 Engine Air Intake

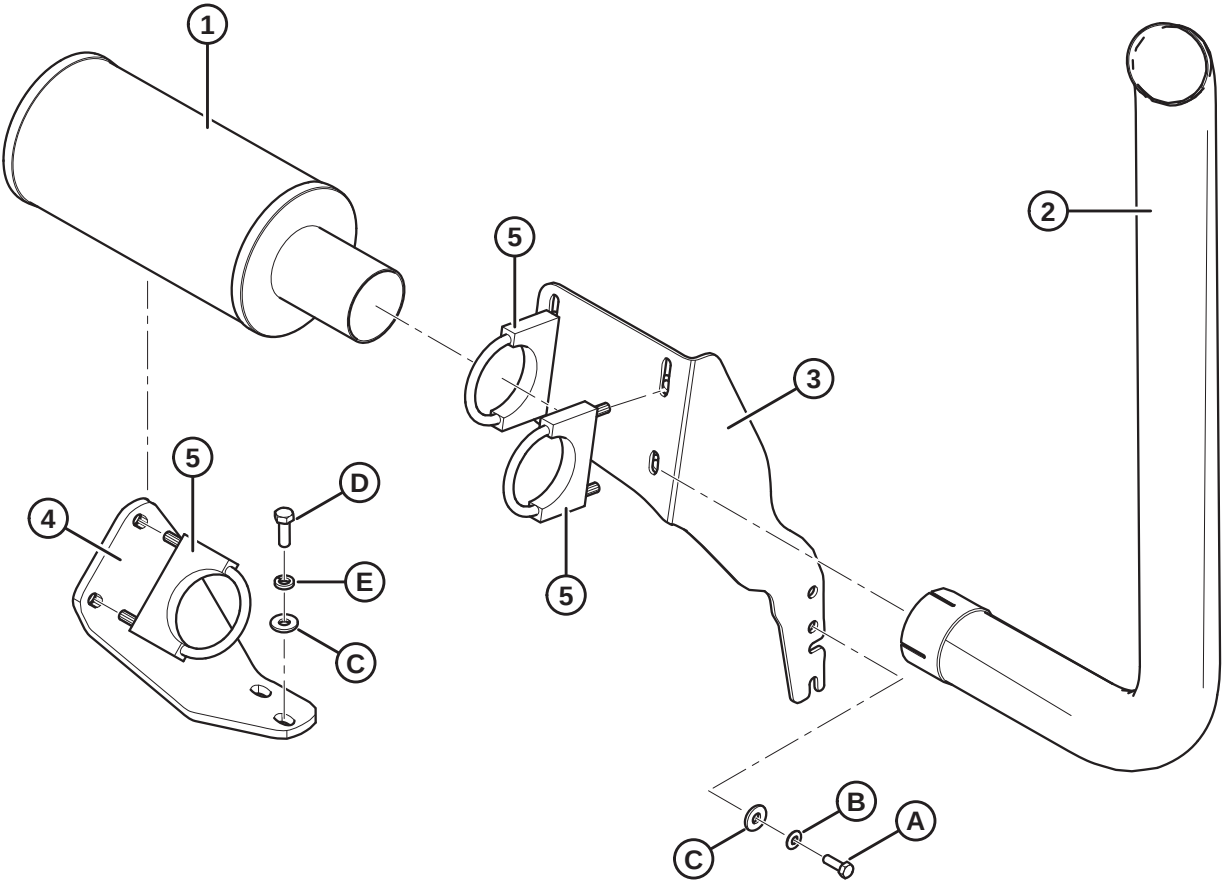


1009751

ENGINE AIR INTAKE

Ref	Part Number	Description	Qty	Serial Number
1	139686	DUCT – AIR INTAKE	1	
2	138389	SUPPORT – AIR CLEANER	1	
3	162144	CLEANER – AIR	1	
	111954	FILTER – AIR, PRIMARY		
	111955	FILTER – AIR, SECONDARY		
	111957	VALVE – DUST EJECTOR		
4	111956	KIT – COVER ASSEMBLY	1	
5	50109	CLIP – PLASTIC	3	
6	138388	FITTING – BRASS ELBOW 1/8 NPT FEMALE X 5/16 HOSE	1	
7	183143	INDICATOR – SERVICE	1	
8	138511	HOSE – AIR RESTRICTOR	1	
9	138534	DUCT – ASPIRATOR	1	
10	135534	CLAMP – HOSE (LINED)	1	
11	30670	CLAMP – HOSE	2	
12	139045	DUCT – AIR INTAKE	1	
13	162102	CLAMP – CONSTANT TORQUE	1	
14	163976	BRACKET – AIR CLEANER SUPPORT	2	
15	30426	FITTING – BARBED 1/8 NPT X 5/16 I.D. HOSE	1	
A	30627	BOLT – HH M10 X 1.5 X 25 LG ZP		
B	30632	WASHER – LOCK SPRING M10 ZP		
C	30635	WASHER – FLAT M10 ZP		
D	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
E	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
F	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
G	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		

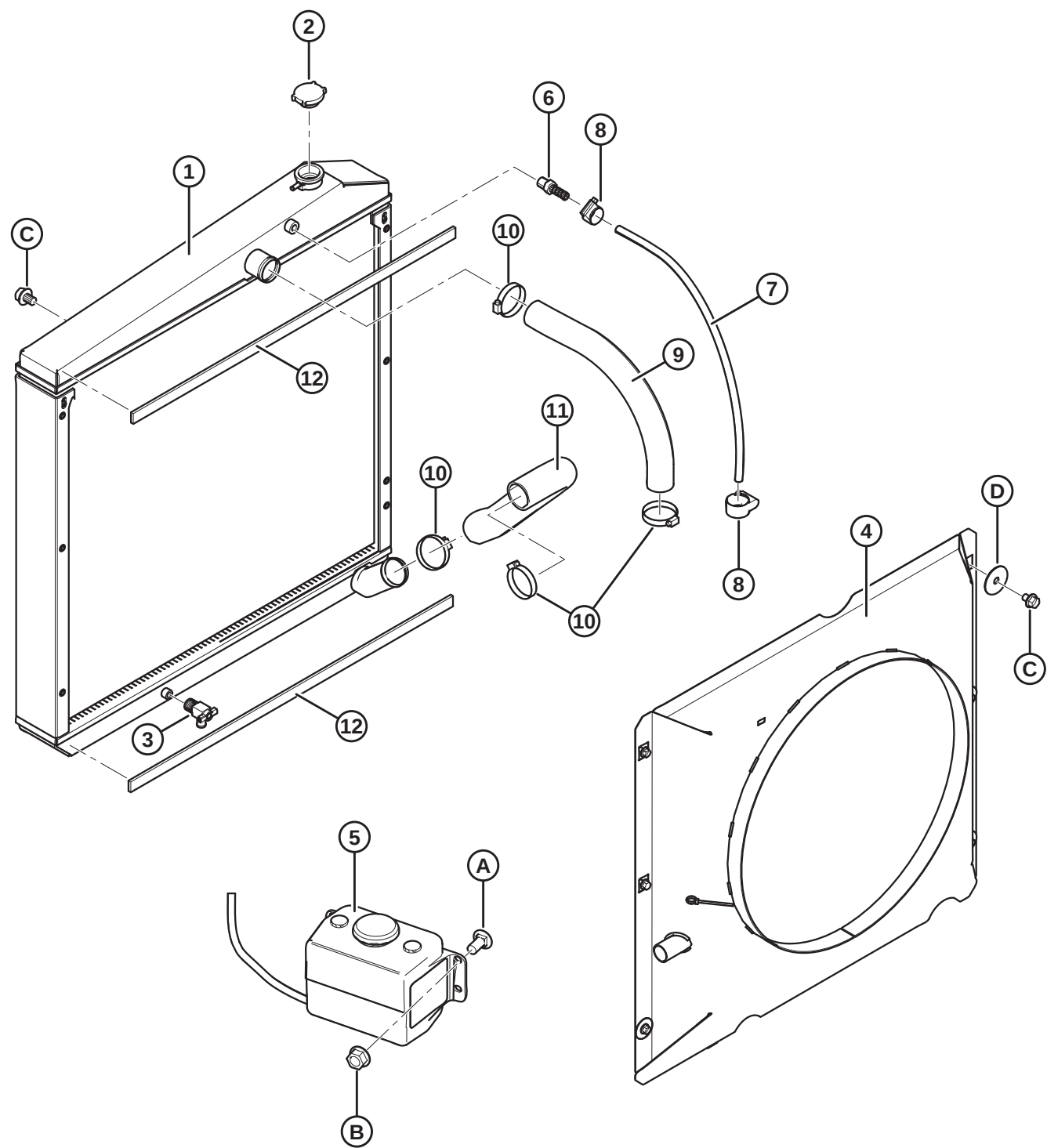
19 Engine Exhaust



ENGINE EXHAUST

Ref	Part Number	Description	Qty	Serial Number
1	138700	MUFFLER	1	
2	138704	TUBE – EXHAUST, 3 IN.	1	
3	138562	SUPPORT – EXHAUST	1	
4	139053	SUPPORT – TURBO OUTLET	1	
5	42469	CLAMP – PIPE	3	
A	136057	BOLT – HH TFL M8 X 25 GR 10.9		
B	184579	WASHER – CONICAL SPRING M8A		
C	20535	WASHER – FLAT		
D	184661	BOLT – HH M10 X 1.5 X 30 LG ZP		
E	30632	WASHER – LOCK SPRING M10 ZP		

20 Radiator



1004837

RADIATOR

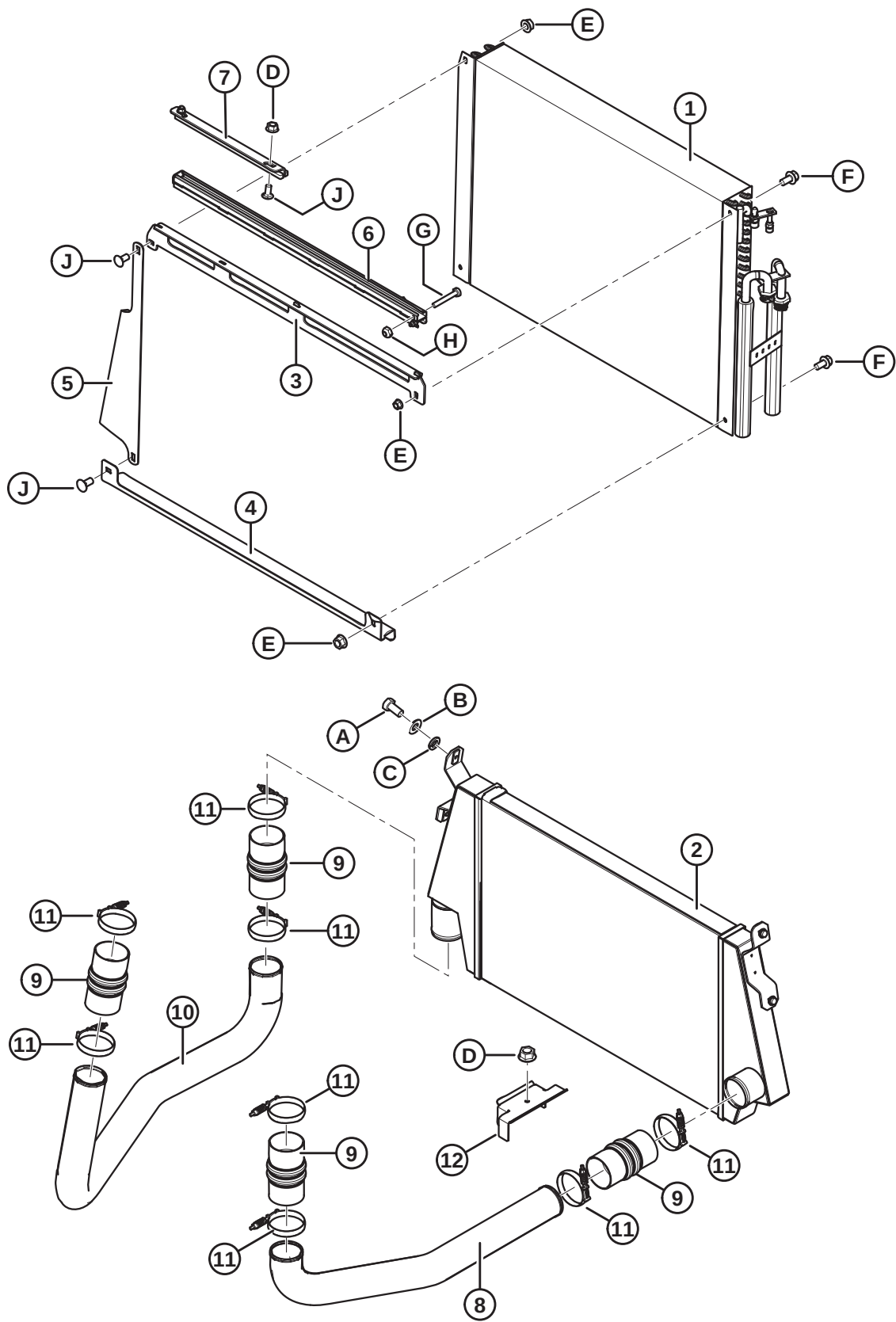
Ref	Part Number	Description	Qty	Serial Number
1	138968	RADIATOR – 4 CYL ²⁹	1	
2	109934	CAP – RADIATOR	1	
3	166521	FITTING – DRAIN COCK	1	
4	166431	SHROUD – C/W 2-PANEL DECALS	1	
5	183772	TANK – RADIATOR C/W DECAL	1	
	21763	FASTENER – NYLON TIE (NOT ILLUSTRATED) ³⁰	1	
6	21046	FITTING – BARBED 1/4 NPT X 3/8 I.D. HOSE	1	
7	166384	HOSE – FILL VENT	1	
8	30094	CLAMP – HOSE GEAR TYPE	1	
9	138576	HOSE – RADIATOR, TOP	2	
10	17959	CLAMP – HOSE	4	
11	138578	HOSE – RADIATOR, BOTTOM	1	
12	110395	SEAL	2	
	167958	KIT – 5 SERIES SWEEPS (NOT ILLUSTRATED) ³¹	1	
A	21863	BOLT – RHSN 3/8 NC X 0.75 LG GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	30693	BOLT – FLG (SER FACE) .375-16 UNC X 0.50 LG		
D	31465	WASHER – FLAT		

29. Includes cap (MD #109934) and fitting (MD #166521).

30. Used to secure rubber hose to radiator tank (MD #163377).

31. Refer to Section [70 \(Option\) Sweeps Kit, page 169](#).

21 Coolers

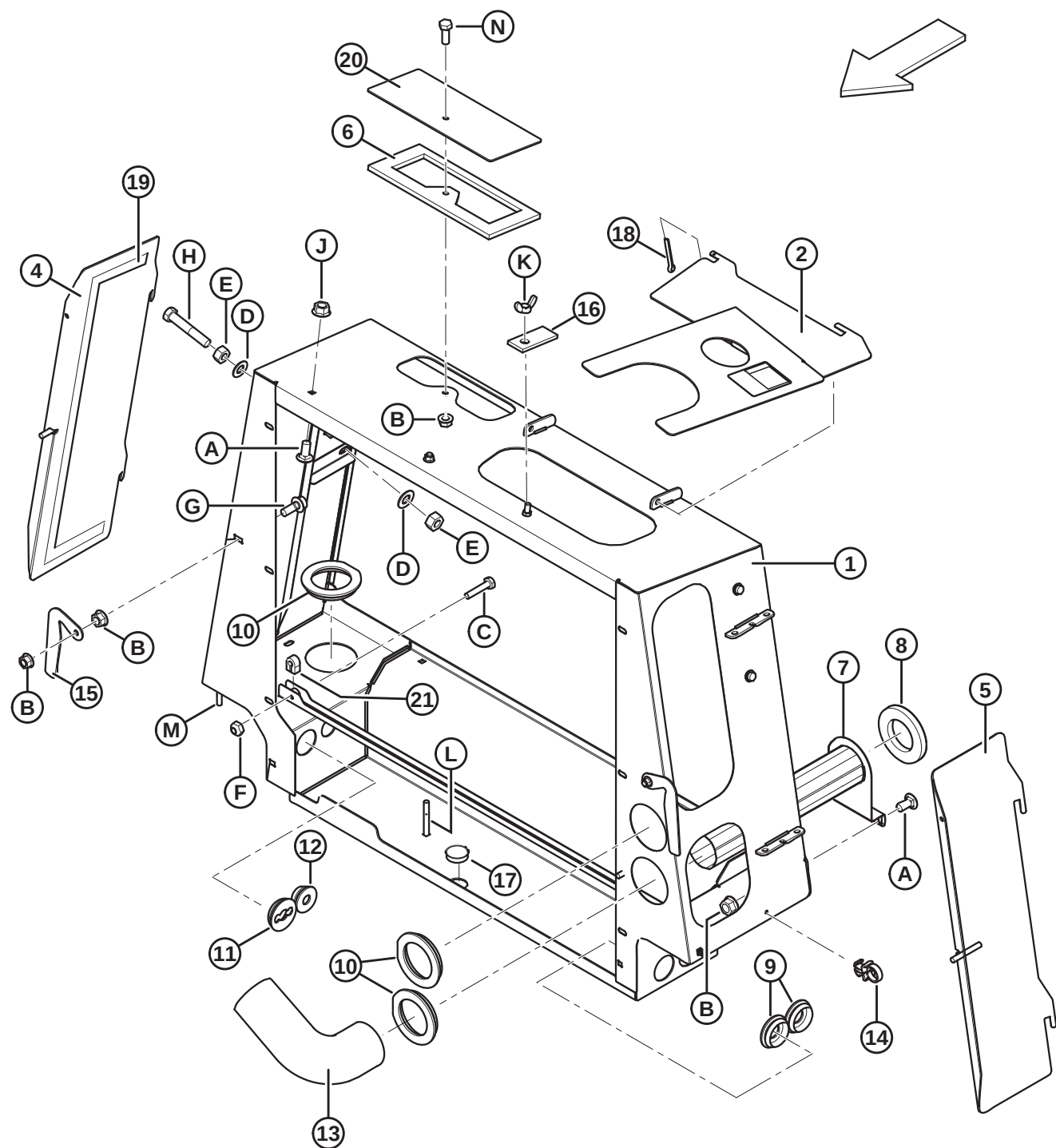


1004840

COOLERS

Ref	Part Number	Description	Qty	Serial Number
1	138983	COOLER – OIL, A/C CONDENSER	1	
2	209888	COOLER – CAC	1	
3	138377	SUPPORT – COOLER TOP, WELD'T	1	
4	138296	SUPPORT – COOLER BOTTOM	1	
5	138364	SUPPORT – COOLER, RH	1	
6	110680	SLIDE – WELD'T	1	
7	138380	SUPPORT – SLIDE, WELD'T	1	
8	138976	TUBE – CAC HOT SIDE	1	
9	163905	CONNECTOR – CAC	1	
10	138404	TUBE – CAC COOL SIDE	8	
11	111643	CLAMP – CONSTANT TORQUE	1	
12	138392	BRACKET – COOLER LINES	4	
A	21567	BOLT – HEX HD .375-16 UNC X 0.75 LG		
B	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
C	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D. ZP		
D	21452	NUT – FLANGE (SER. FACE) .375-16 UNC		
E	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
F	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
G	21952	BOLT – HH 1/4 NC X 1.75 LG GR 5 ZP		
H	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
J	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		

22 Cooler Box

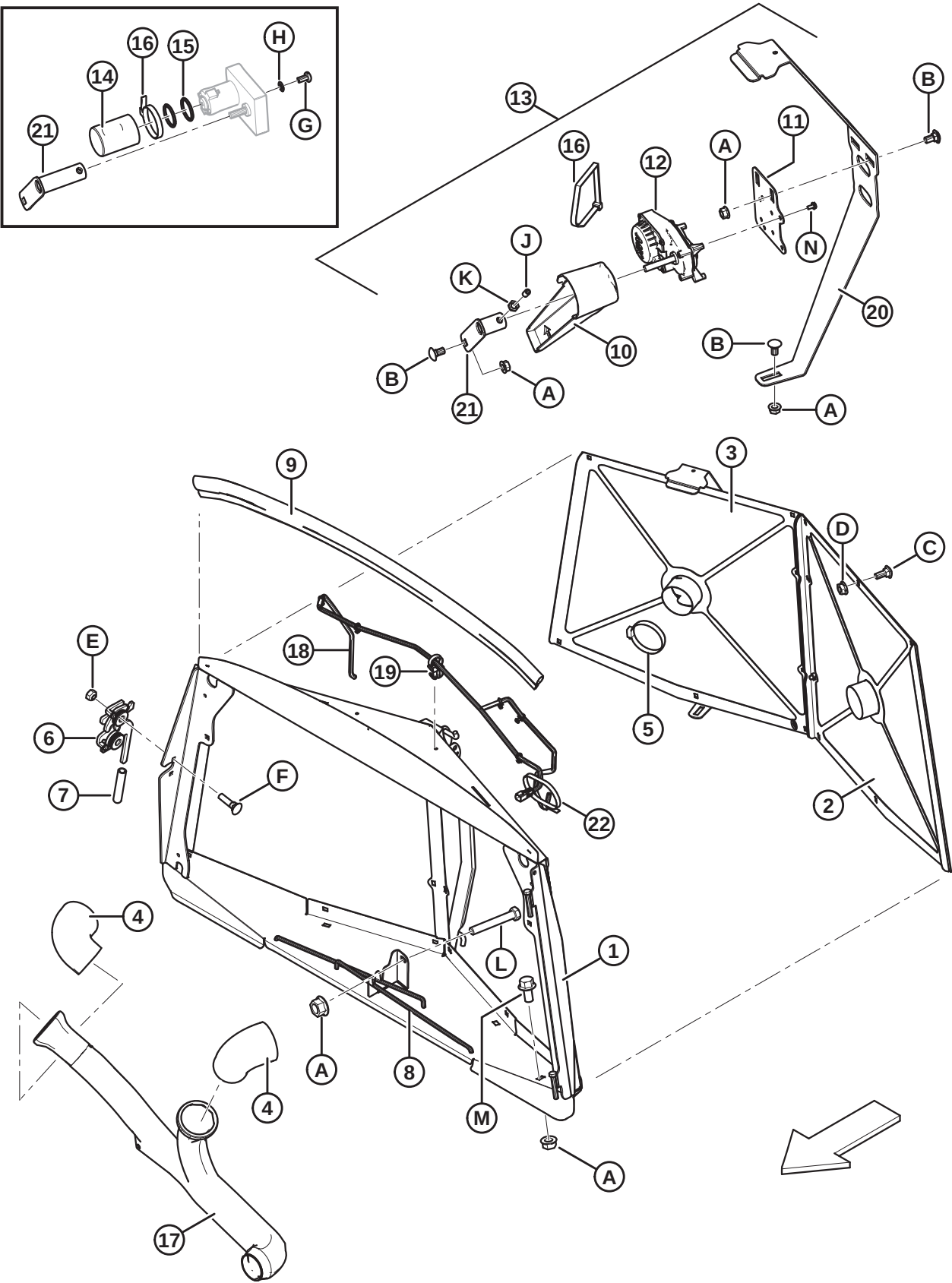


1004841

COOLER BOX

Ref	Part Number	Description	Qty	Serial Number
1	138355	SUPPORT – COOLERS, BODY	1	
2	166432	DOOR – TOP COOLER, EXHAUST COVER C/W DECAL	1	
4	138793	DOOR – COOLER ACCESS, RH WELDT	1	
5	110898	DOOR – COOLER ACCESS, LH WELDT	1	
6	139502	GASKET – AIR INTAKE	1	
7	110897	TUBE – CLEANER, WELD'T	1	
8	110702	SEAL	1	
9	110967	GROMMET – 1.06 IN. I.D.	2	
10	110677	GROMMET	3	
11	163549	GROMMET	1	
12	45155	GROMMET – 0.75 IN. I.D.	1	
13	110969	HOSE – ELBOW, 3 IN.	1	
14	30542	FASTENER – BLACK NYLON CLIP	2	
15	110701	LATCH	2	
16	44217	LATCH	1	
17	161378	PLUG – HOLE (Ø1.5 IN.)	1	
18	18605	PIN – COTTER 1/8 DIA X 1 ZP	1	
19	139095	SEAL	6	
20	204064	PLATE – AIR INTAKE	1	
21	139220	SPACER – SLIDE MECHANISM	1	
A	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	30942	BOLT – HH 1/4 NC X 1.25 LG GR 5 ZP		
D	18688	WASHER – SAE FLAT 0.47 IN. I.D. X 0.92 IN. O.D. ZP		
E	18654	NUT – HEX 7/16-14 UNC GR 5 ZP		
F	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
G	21975	BOLT – HH FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		
H	21988	BOLT – HH 7/16 NC X 2.5 LG GR 5 ZP		
J	21452	NUT – FLANGE (SER. FACE) .375-16 UNC		
K	21289	NUT – WING TYPE A 3/8 NC ZP		
L	21568	BOLT – HH 3/8 NC X 3.0 LG GR 5 ZP		
M	30936	BOLT – HH FLG (SER FACE) 3/8 NC x 1.25 GR 5 ZP		
N	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		

23 Screen Cleaner



SCREEN CLEANER

Ref	Part Number	Description	Qty	Serial Number
1	183227	SUPPORT – SCREEN, WELD'T ³²	1	244010–
2	167984	SCREEN – LH	1	
3	167983	SCREEN – RH	1	
4	110928	HOSE – 90° ELBOW	2	
5	21913	CLAMP – HOSE	2	
6	134003	ASSY – RH STIRRUP LATCH	1	
7	110817	COVER – SOFTEX GRIP	1	
8	110386	ROD – SCREEN PROP	1	
9	110875	SEAL – TOP RAD/HOOD	1	
10	110882	DUCT – SCREEN CLEANER	2	
11	167585	SUPPORT – MOTOR	2	
12	167956	MOTOR – ELECTRICAL, WITH GROMMET ³³	2	301190–
	167876	GROMMET – SCREEN CLEANER MOTOR		
13	167589	KIT – SCREEN CLEANER MOTOR ³⁴	A/R	–301189
14	112149	CAP ³⁵	2	–301189
15	163698	O-RING – VITON ³⁵	4	–301189
16	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG	2	
17	110883	DUCT – CLEANER, DUAL	1	
18	110908	HARNESS – SCREEN CLEANERS ³⁵	1	–301189
	167713	HARNESS – SCREEN CLEANERS ³³	1	301190–
19	30542	FASTENER – NYLON CLIP (BLACK)	7	
20	110968	STRAP – MOTOR SUPPORT ³⁵	2	–301189
	167584	STRAP – MOTOR SUPPORT	2	
21	110885	SHAFT – DUCT DRIVE, WELD'T ³⁵	2	–301189
	167586	SHAFT – DUCT DRIVE, WELD'T	2	
22	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	1	
A	30228	NUT – FLANGE DT SMTH FACE 0.375-16 UNC		
B	21472	BOLT – RHSN 3/8-16 X 0.75 GR 5		
C	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
D	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
E	18690	NUT – HEX LOCK DT 5/16-18 UNC ZP		
F	21282	BOLT – RHSN 5/16 NC X 1.0 LG GR 5 ZP		
G	30955	SCREW – MACH RD HD SLT # 8-32 NC X 5/16 LG BLK ³⁵		–301189
H	20042	WASHER – REG. LOCK #8 NOM. I.D. ZP ³⁵		–301189

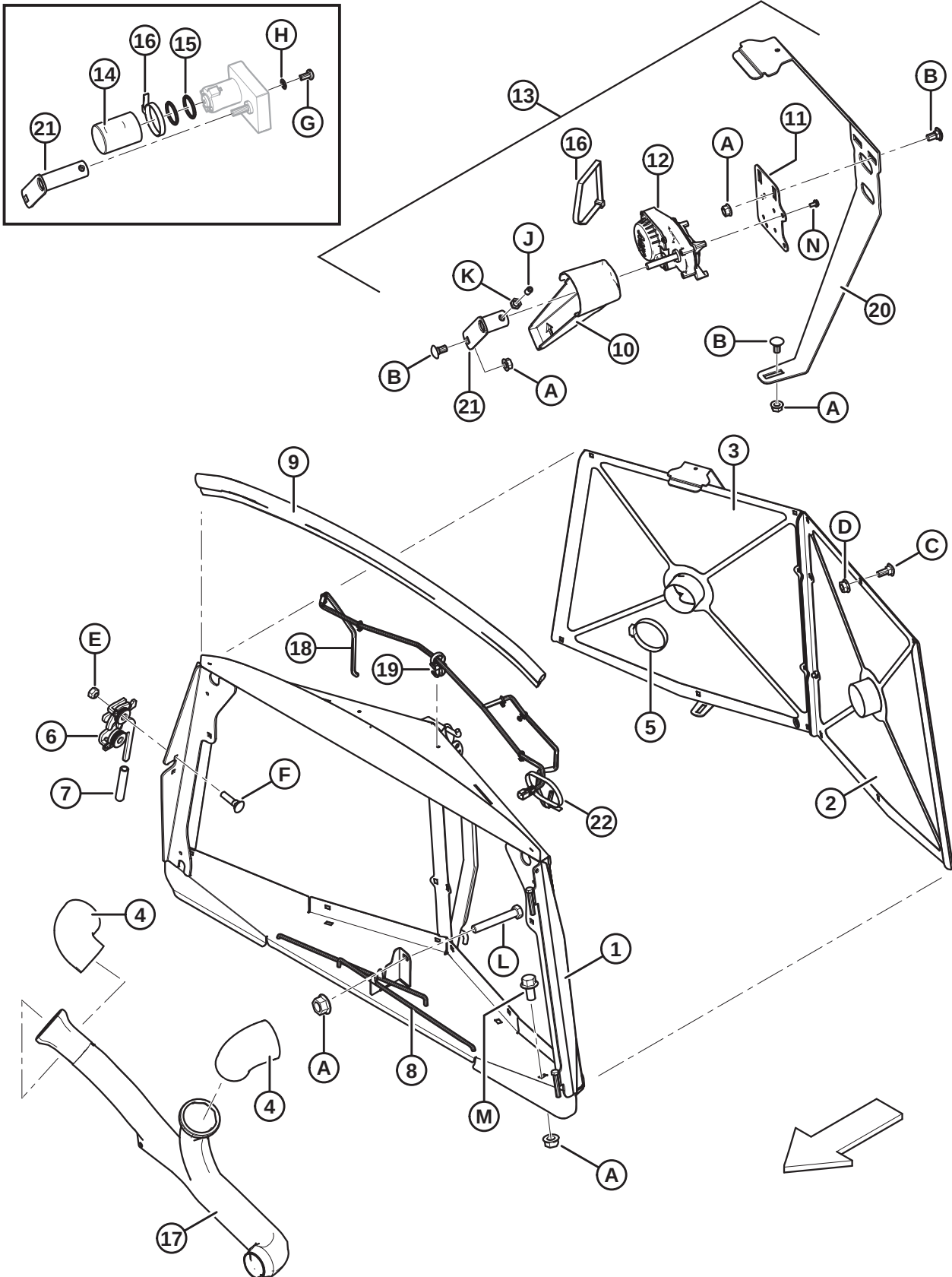
32. Service part for units made in model year 2014 and later.

33. For all units made in model year 2017 and later, and for units made in model year 2016 and prior that have been serviced with Screen Cleaner Motor kit (MD #167589).

34. For units made in model year 2016 and prior, the kit (MD #167589) can be ordered to replace motor MD #42369. Kit includes motor (MD #167956), strap (MD #167584), support (MD #167585), duct drive shaft (MD #167586), harness (MD #167713), wire adapter (MD #167714), fastener (MD #30753), nut (MD #18664), setscrew (MD #18709), four screws (MD #252261), and instructions.

35. Service part only for units made in model year 2016 and prior that have not been serviced with Screen Cleaner Motor kit (MD #167589).

SCREEN CLEANER

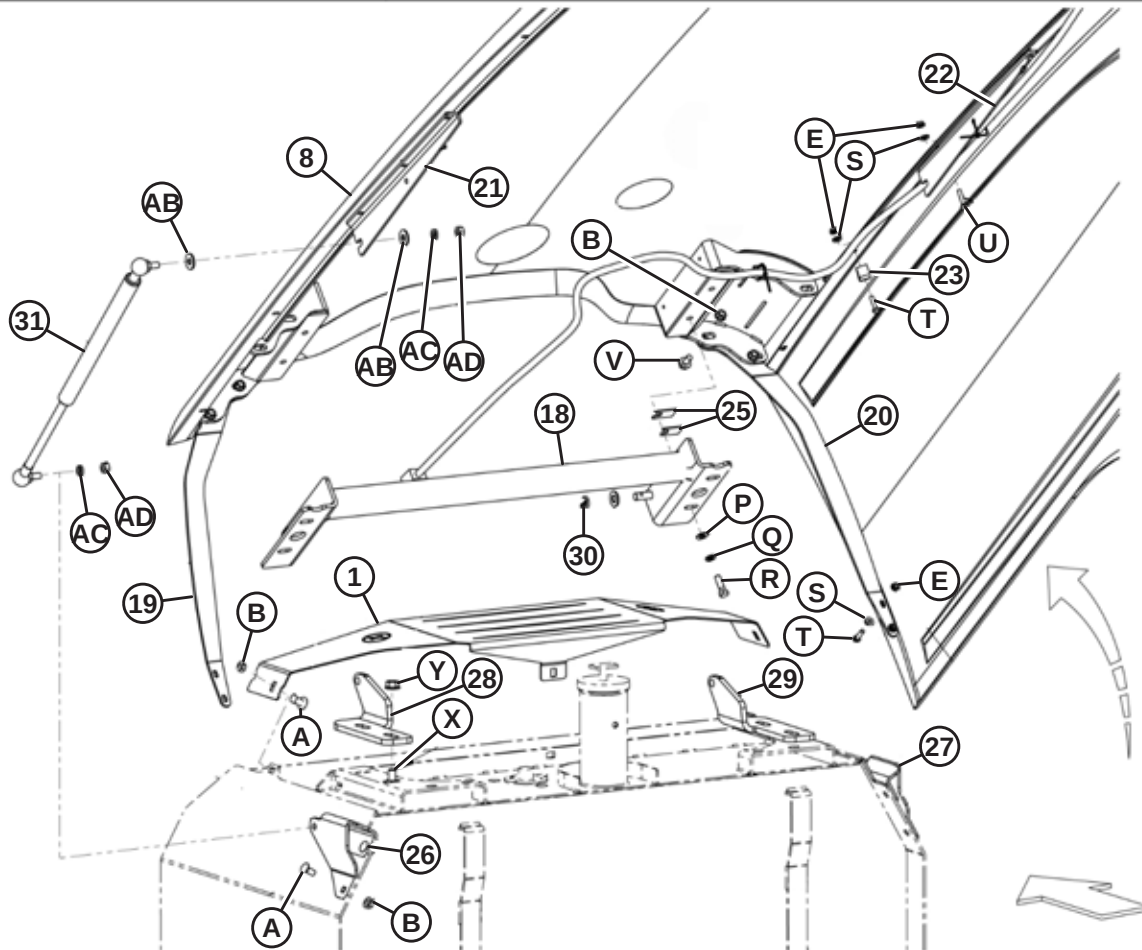
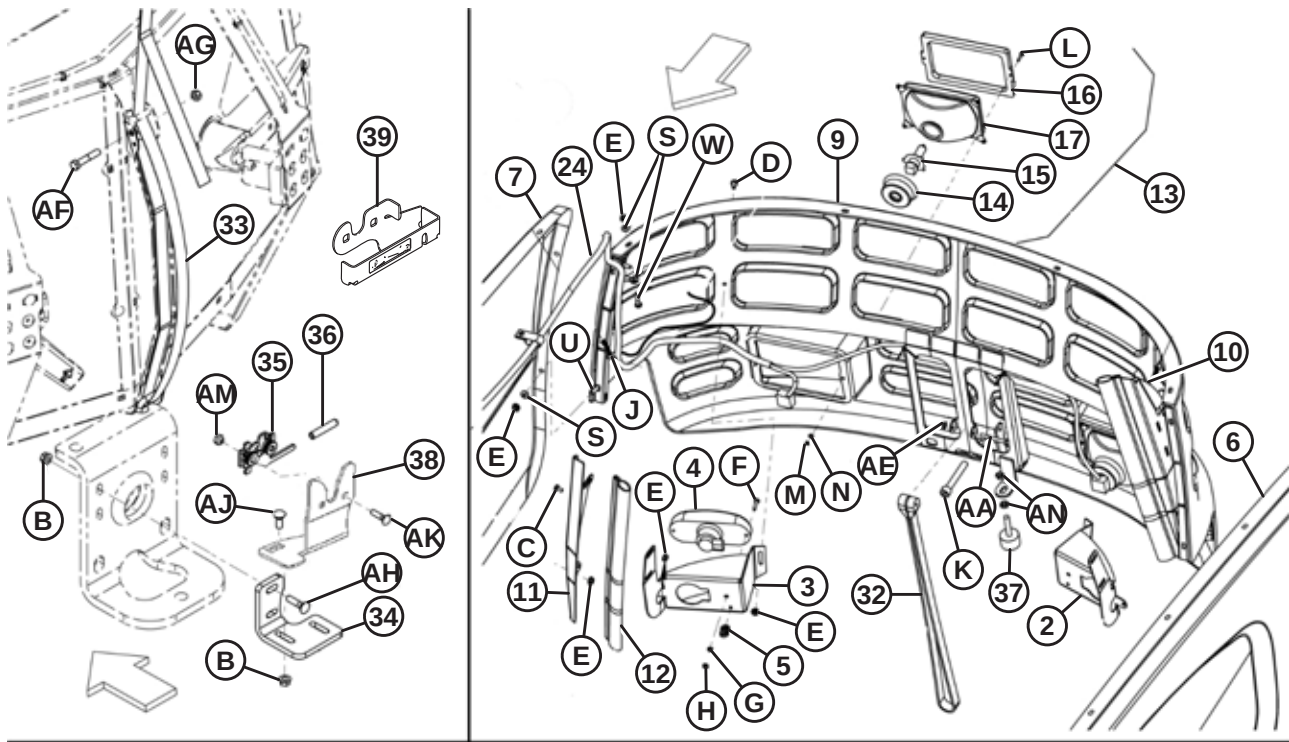


1021921

SCREEN CLEANER

Ref	Part Number	Description	Qty	Serial Number
J	18709	SCREW – SET HEX SOC CUP PT 3/8 NC X 5/8 LG		
K	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
L	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
M	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
N	252261	SCREW – HH MACH SLOT #10-24 UNC X 3 X 8 GR2-AA-3L		

24 Hood

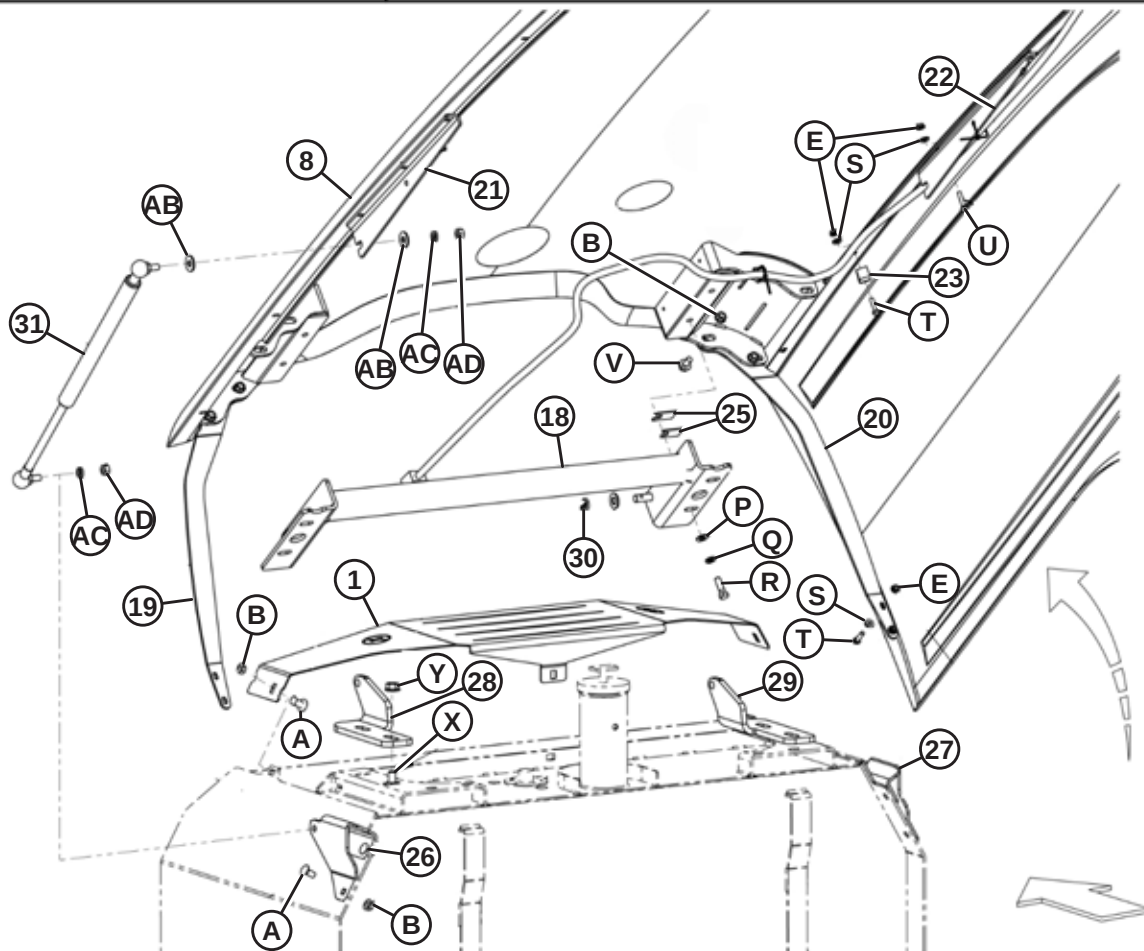
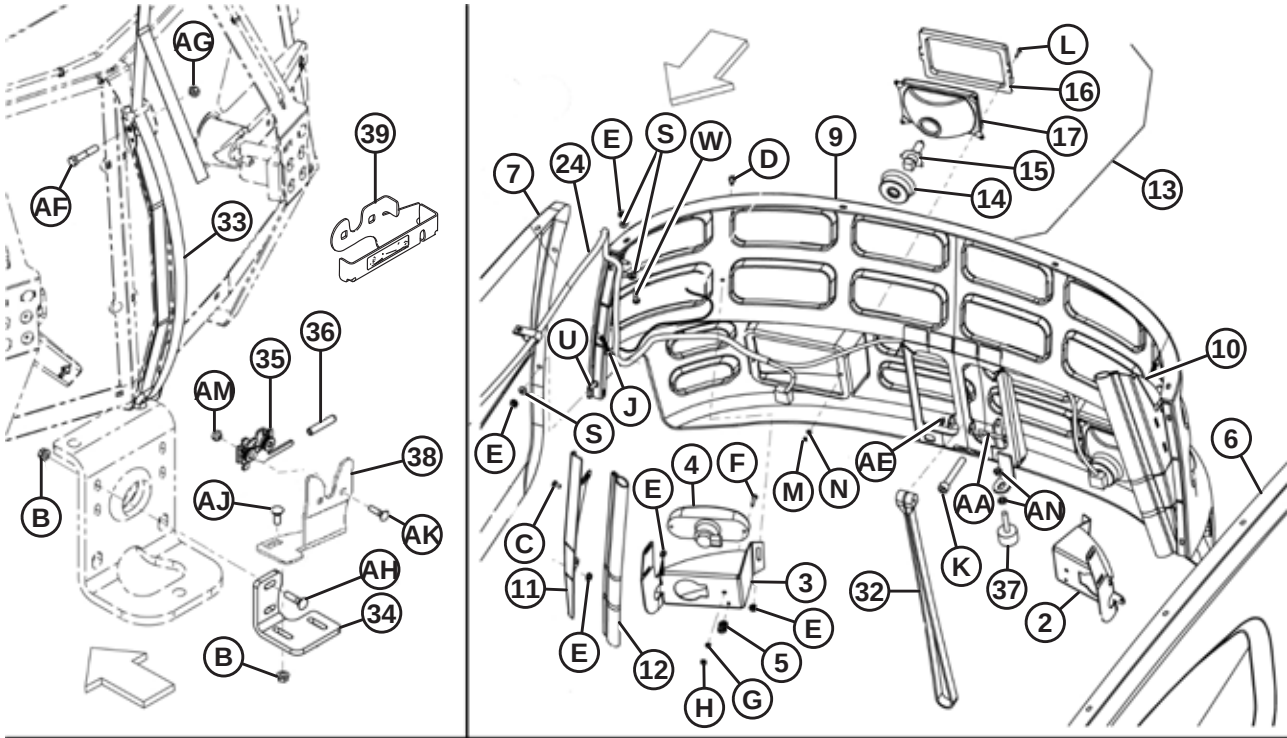


1009752

HOOD

Ref	Part Number	Description	Qty	Serial Number
1	163882	PANEL – HOOD SPACER	1	
2	183021	HOLDER – LH TAIL LITE BRACKET	1	
3	183022	HOLDER – RH TAIL LITE BRACKET	1	
4	134079	LIGHT – RED	2	
5	50109	CLIP – PLASTIC	3	
6	139535	PANEL – LH HOOD BONDING	1	
7	139536	PANEL – RH HOOD BONDING	1	
8	183134	HOOD – TOP BONDING ASSEMBLY	1	
9	110458	HOOD – GRILL BONDING ASSEMBLY	1	
10	183195	ANGLE – LH RAD/HOOD SEAL	1	
11	183196	ANGLE – RH RAD/HOOD SEAL	1	
12	167078	SEAL – BULB	2	
13	110268	ASSY – ABL ROADLIGHT	2	
14	110266	INSULATOR – RUBBER BOOT (ABL ROADLITE)	2	
15	110267	LIGHT – H4 BULB 12 VOLT 60/55 WATT	2	
16	110264	BEZEL – ABL ROAD LIGHT	2	
17	110265	OPTICAL UNIT – ABL ROAD LIGHT	2	
18	110773	MEMBER – TORSION (HOOD PIVOT)	1	
19	183160	BRACE – LH HOOD	1	
20	183161	BRACE – RH HOOD	1	
21	110416	SUPPORT – LH GAS SPRING	1	
22	110417	SUPPORT – RH GAS SPRING	1	
23	135224	CLIP – WIRE HOLDER	3	
24	167769	HARNESS – HOOD, M-SERIES	1	
25	166132	SHIM – HOOD, TORSION BAR	2	
26	183242	ANCHOR – LH HOOD LIFT CYLINDER	1	–244009
	183221	ANCHOR – LH HOOD LIFT CYLINDER	1	244010–
27	183243	ANCHOR – RH HOOD LIFT CYLINDER	1	–244009
	183222	ANCHOR – RH HOOD LIFT CYLINDER	1	244010–
28	110456	ANGLE – LH HOOD PIVOT	1	–244009
	183223	ANGLE – LH HOOD PIVOT	1	244010–
29	110457	ANGLE – RH HOOD PIVOT	1	–244009
	183224	ANGLE – RH HOOD PIVOT	1	244010–
30	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
31	110475	CYLINDER – GAS (HOOD)	2	
	110476	BALL JOINT – FOR GAS CYLINDER 110475		
32	183424	STRAP – RUBBER	1	
33	110461	STRAP – HOOD PULL	1	
34	110467	PLATE – LATCH MOUNT	1	
35	134002	ASSY – LH STIRRUP LATCH	1	
36	110817	COVER – SOFTEX GRIP (0.281 X 2.125 IN.)	1	
37	110354	BUMPER – RUBBER	1	

HOOD



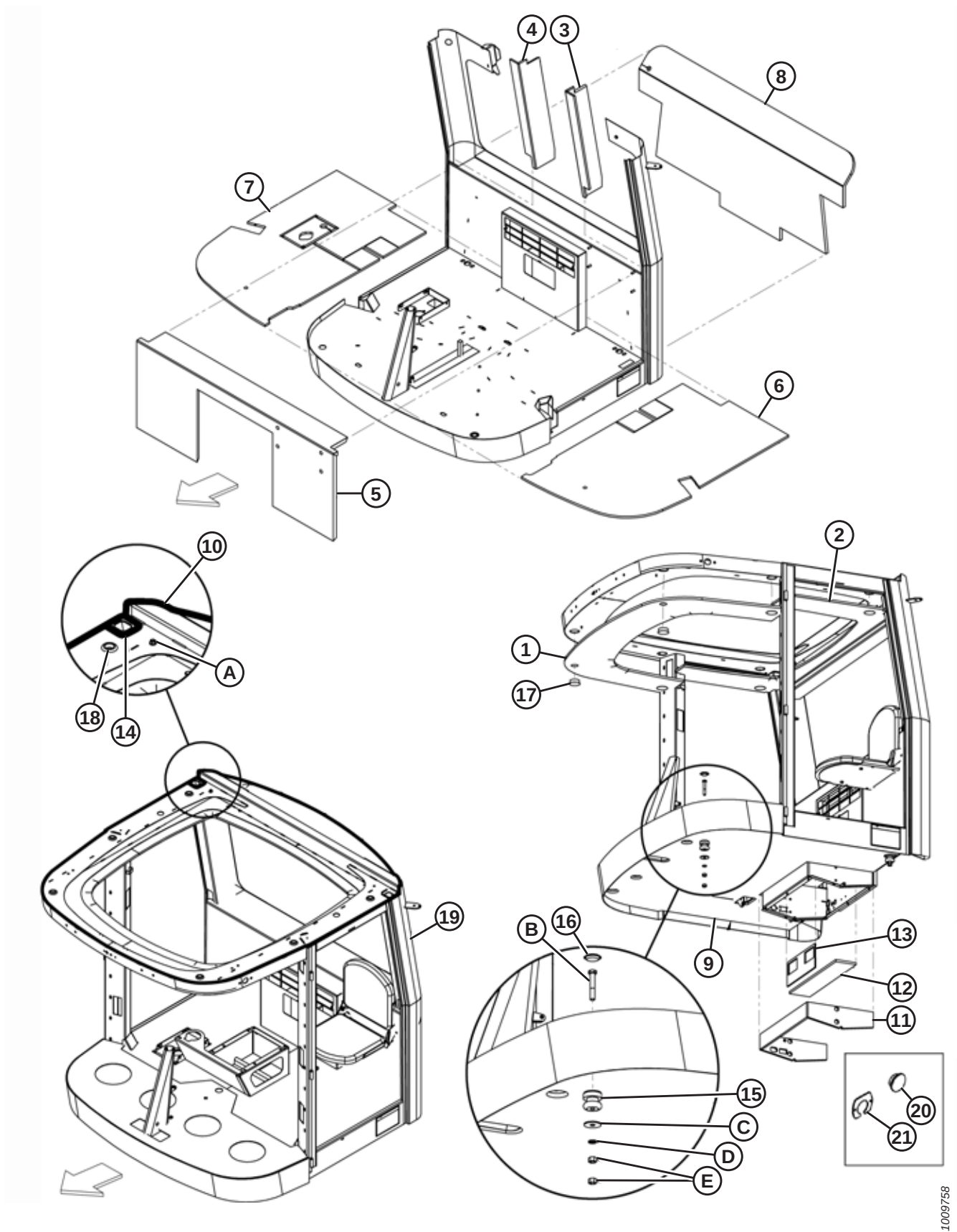
1009752

HOOD

Ref	Part Number	Description	Qty	Serial Number
38	139411	SUPPORT – HOOD LATCH	1	–244009
	183220	SUPPORT – HOOD LATCH		244010–
39	166758	LATCH COVER C/W DECALS ³⁶	1	
	166757	DECAL – TOOL ONLY LATCH COVER ³⁶		
A	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	21926	BOLT – RHSN 1/4 NC X 0.5 GR 5 ZP		
D	18579	SCREW – MACHINE 1/4-20 UNC X 0.75 IN. PHILLIPS PAN HD ZP		
E	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
F	135293	SCREW – MACH PHIL TRUSS HD #10-24 UNC X 1.0 IN.		
G	18798	WASHER – FLAT SAE 7/32 I.D. X 7/16 IN. O.D. ZP		
H	18707	NUT – HEX LOCK DT #10-24 UNC ZP		
J	21476	BOLT – RHSN 1/4 NC X 0.75 GR 5 ZP		
K	135926	BOLT – HEX SKT HD M12-1.75 X 100 ZP		
L	110477	SCREW – #6 X 0.75 IN.		
M	135159	NUT – NYLOC		
N	135624	WASHER – STEEL/RUBBER		
P	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
Q	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D. ZP		
R	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
S	112221	WASHER – STEEL/RUBBER		
T	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
U	135623	BOLT – RHSN 1/4 NC X 1.25 LG GR 5 ZP		
V	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
W	30942	BOLT – HH 1/4 NC X 1.25 LG GR 5 ZP		
X	21066	BOLT – RHSN 1/2 NC X 1 GR 5 ZP		
Y	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR 5		
Z	18599	WASHER – SAE FLAT 17/32 I.D. X 1-1/16 IN. O.D. ZP		
AA	30638	BOLT – HH 1/4 NC X 2.25 LG GR 5 ZP		
AB	30635	WASHER – FLAT M10 ZP		
AC	30632	WASHER – LOCK SPRING M10 ZP		
AD	30505	NUT – HEX M10 X 1.5 ZP CLASS 10 STYLE 1		
AE	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
AF	21354	BOLT – HH 3/8 NC X 2.0 LG GR 5 ZP		
AG	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
AH	21484	BOLT – RHSN 3/8 NC X 1.5 LG GR 5 ZP		
AJ	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
AK	21473	BOLT – RHSN 5/16 NC X 1.25 LG GR 5 ZP		
AM	35689	NUT – SPECIAL		
AN	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		

36. European Union export only.

25 Cab Seals, Grommets, Mounts, and Upholstery

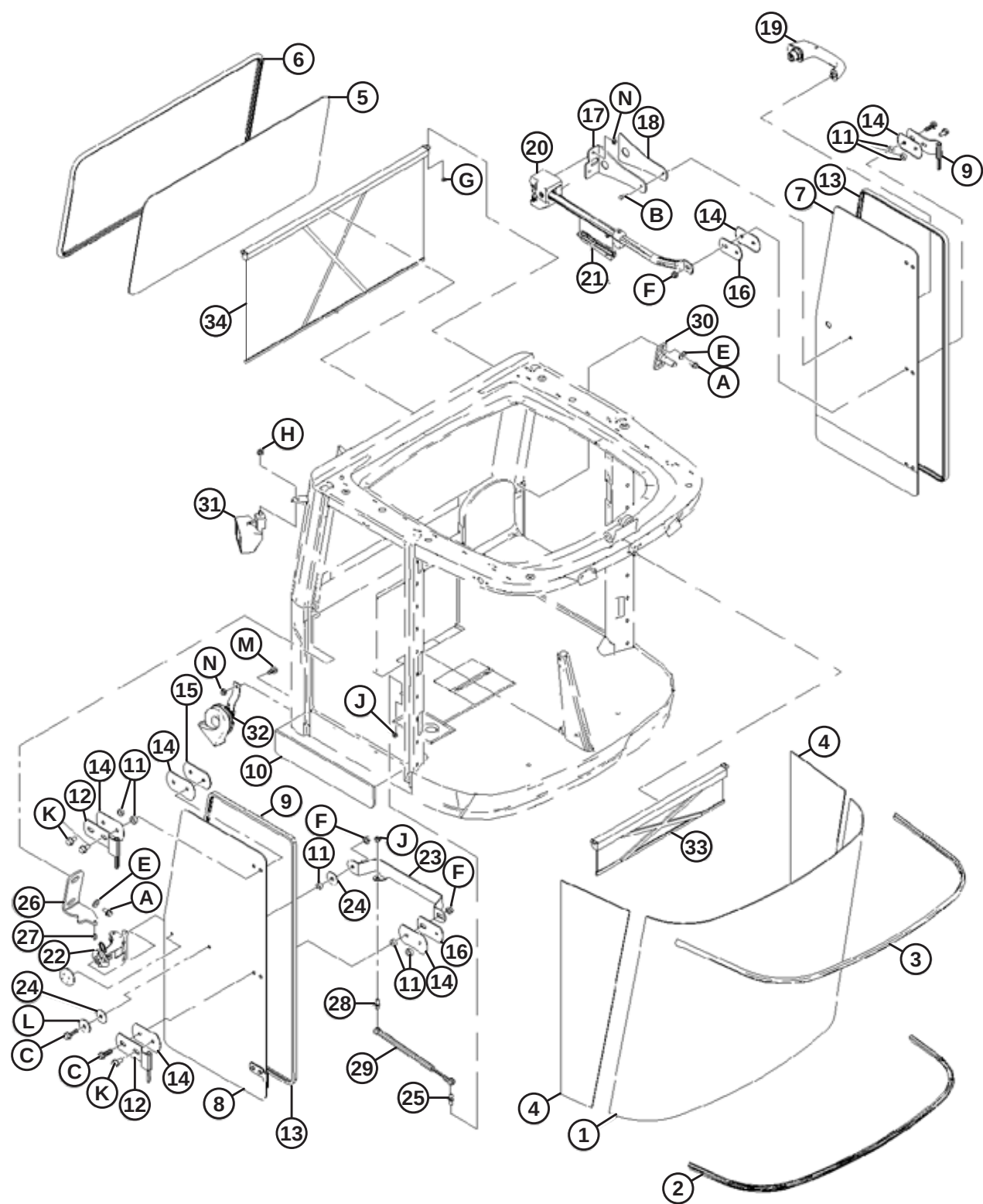


CAB SEALS, GROMMETS, MOUNTS, AND UPHOLSTERY

Ref	Part Number	Description	Qty	Serial Number
1	109729	INSULATOR – FRONT	1	
2	160204	INSULATOR – REAR	1	
3	160203	INSULATOR – LEFT POST	1	
4	160205	INSULATOR – RIGHT POST	1	
5	160187	INSULATOR – REAR LOWER	1	
6	160185	MAT – FLOOR, LH	1	
7	160186	MAT – FLOOR, RH	1	
8	160248	INSULATOR – REAR WALL	1	
9	160247	INSULATOR – UNDER CAB FLOOR	1	
10	109790	SEAL – FOAM	1	
11	160207	INSULATOR – A/C COMPARTMENT	1	
12	160210	INSULATOR	1	
13	160222	INSULATOR – AC BOX BLOWER	1	
14	109789	SEAL – FOAM	2	
15	42099	INSULATOR	4	
16	30931	PLUG – PLASTIC, SNAP-IN	4	
17	109761	PLUG – DECORATIVE	6	
18	42046	GROMMET	8	
19	131283	CAB – ASSEMBLY	1	
20	173139	GROMMET – PLUG ³⁷	OPT	
21	173140	PLATE – COVER ³⁷	OPT	
A	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
B	21560	BOLT – HH 1/2 NC X 3.0 LG GR 5 ZP		
C	42592	WASHER – FLAT		
D	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
E	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		

37. Cab post knockout for AutoSteer.

26 Windows and Doors



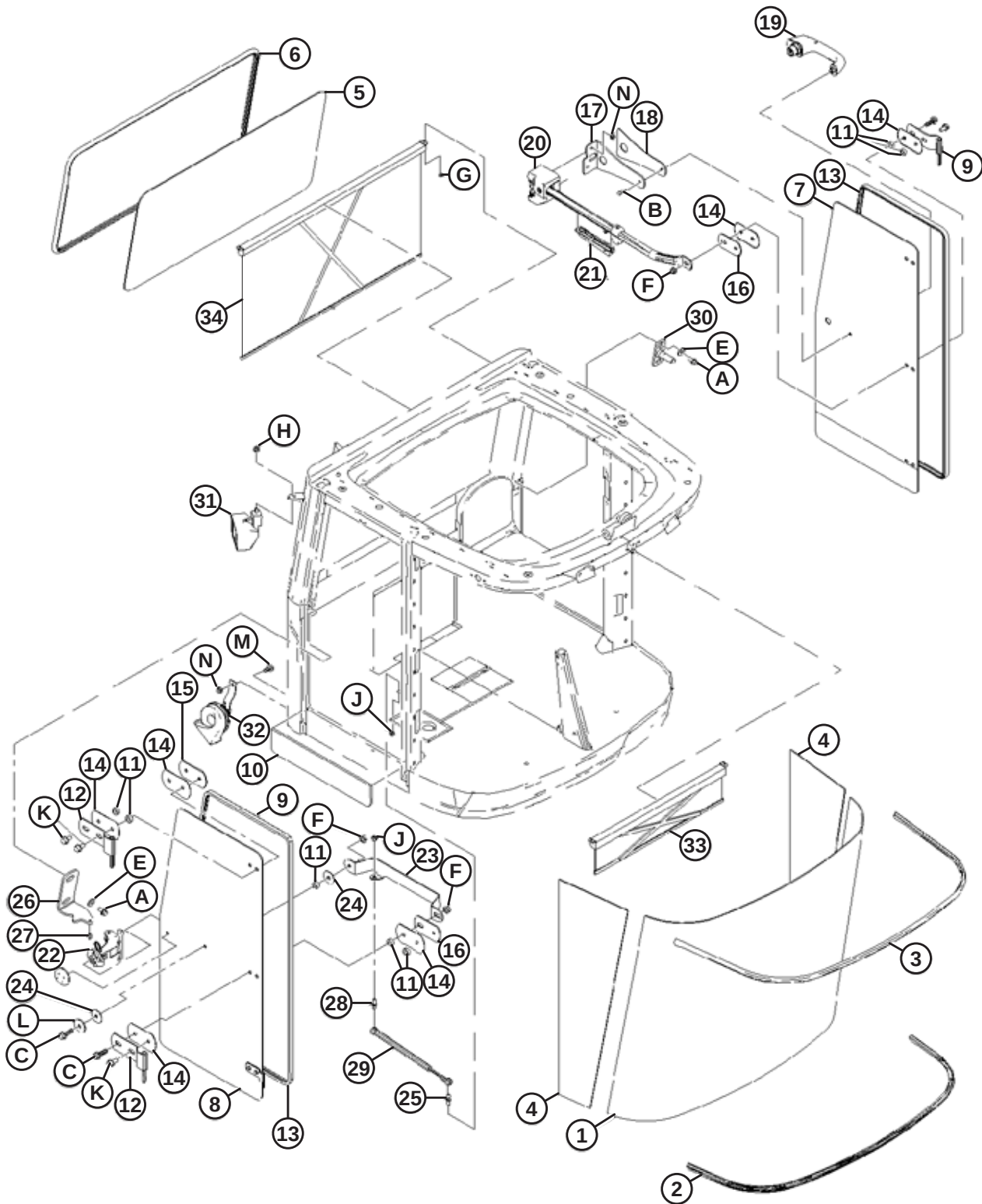
1040056

WINDOWS AND DOORS

Ref	Part Number	Description	Qty	Serial Number
	B4866	KIT – WINDOW SHADE ³⁸		
1	109323	WINDOW – FRONT	1	
2	109721	SEAL – WINDOW BOTTOM	1	
3	109536	SEAL – WINDOW TOP	1	
4	109324	WINDOW – SIDE	2	
5	160135	WINDOW – REAR	1	
6	160136	SEAL – WINDOW REAR	1	
7	131388	DOOR – GLASS C/W DECAL	1	
8	131389	WINDOW – HINGED RH C/W DECAL	1	
9	209214	KIT – LEFT DOOR SEAL UPGRADE ³⁹	A/R	
10	109732	INSULATOR – DOOR	2	
11	109585	SPACER	12	
12	209215	KIT – RIGHT DOOR SEAL UPGRADE ⁴⁰	A/R	
13	REF	SEAL – DOOR ⁴¹	2	
14	109598	GASKET – HINGE	12	
15	109601	BAR – HINGE BACKING	2	
16	109739	BAR – CENTER HINGE BACKING	2	
17	109822	SUPPORT – LEFT LATCH	1	
18	109745	GASKET – DOOR LATCH	1	
19	109743	HANDLE – OUTSIDE CAB	1	
	109701	KEY		
20	183162	LATCH – LH CAB DOOR ⁴²	1	
21	139971	BEZEL – DOOR HANDLE	1	
22	160188	LATCH – WINDOW (HOLD OPEN)	1	
	160189	PIN – RING, DETENT		
23	160197	HANDLE – WINDOW	1	
24	160202	WASHER	4	
25	110446	STUD – BALL	2	
26	160192	ANCHOR – WINDOW LATCH	1	
27	252416	PIN – SPRING 3/16 DIA X 7/16 LG	1	
28	110446	STUD – BALL	4	
29	109603	SPRING – GAS	2	
30	109362	CATCH WELDMENT	1	

38. Includes front shade (MD #109834), rear shade (MD #109778), and hardware. Kits are available through Whole Goods only.
39. Order left door seal upgrade kit (MD #209214) if replacing superseded left hinge (MD #109604). The kit includes three left hinges (MD #208135), two hinge bars (MD #201693), one center hinge bar (MD #202041), and door seal (MD #208661).
40. Order right door seal upgrade kit (MD #209215) if replacing superseded right hinge (MD #109665). The kit includes three right hinges (MD #208134), two hinge bars (MD #201693), center hinge bar (MD #202041), and door seal (MD #208661).
41. Order left door seal upgrade kit (MD #209214) or right door seal upgrade kit (MD #209215) if replacing superseded door seal (MD #109552).
42. Includes bezel (MD #139971).

WINDOWS AND DOORS

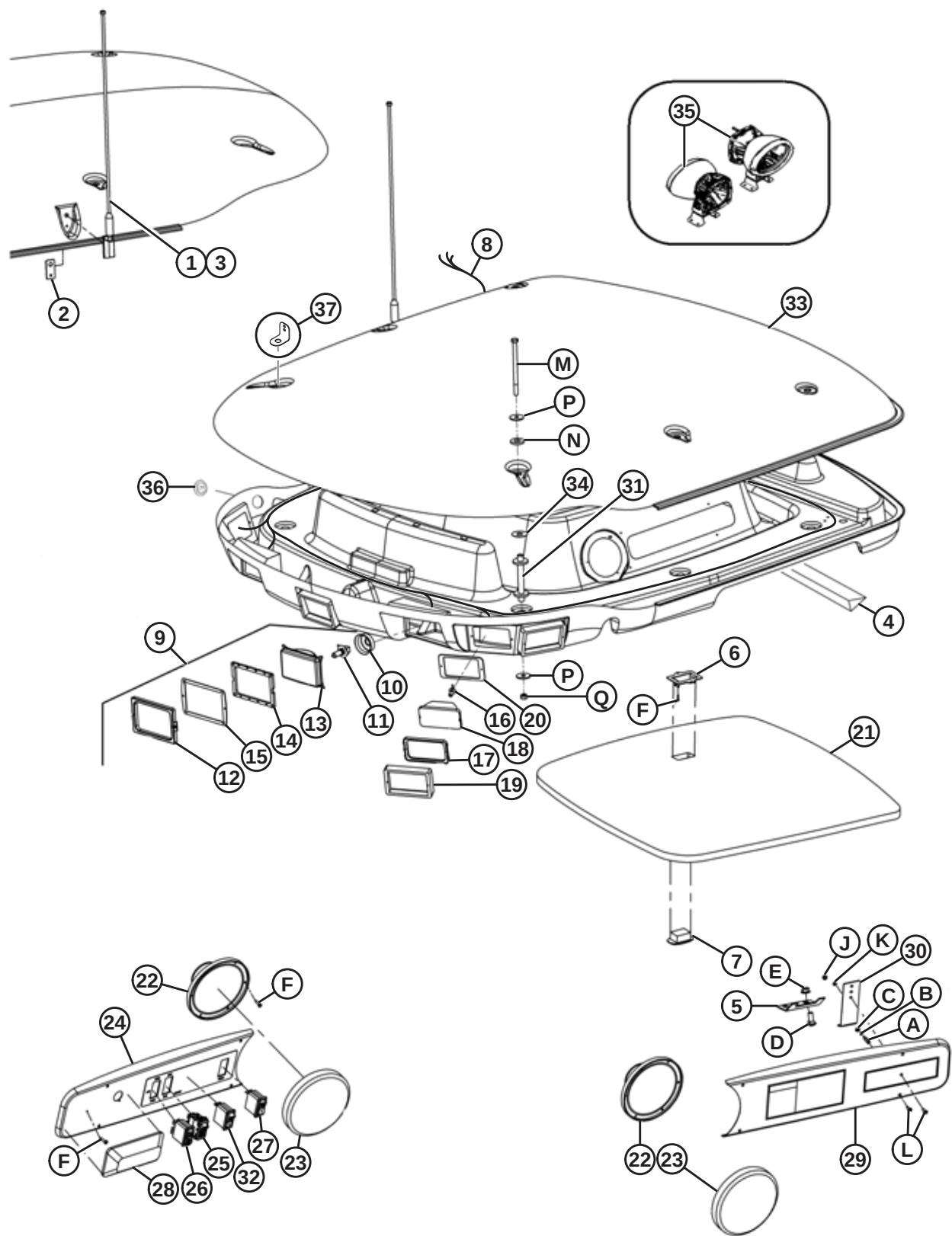


1040056

WINDOWS AND DOORS

Ref	Part Number	Description	Qty	Serial Number
31	109717	LIGHT – WORK	2	
	109113	BULB – 12V, 55W		
32	160373	HORN	1	
33	109834	SHADE – FRONT WINDOW	1	
34	109778	SHADE – REAR WINDOW	1	
A	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
B	135301	BOLT – HH M6 X 1 X 25 LG ZP		
C	30936	BOLT – HH FLG (SER FACE) 3/8 NC X 1.25 GR 5 ZP		
E	20535	WASHER – FLAT		
F	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
G	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
H	50101	NUT – FLG LK PREV TORQUE SM FACE M10-1.5		
J	18690	NUT – HEX LOCK DT 5/16-18 UNC ZP		
K	101897	SCREW – HEX WASH HD THD ROLLING 3/8 NC X 3/4		
L	16652	WASHER – FLAT		
M	30278	BOLT – HH FLG (SER) 5/16 X 3/4		
N	30280	NUT – FLG, SIDE LOCK, 5/16 NC		

27 Roof and Headliner



1040032

ROOF AND HEADLINER

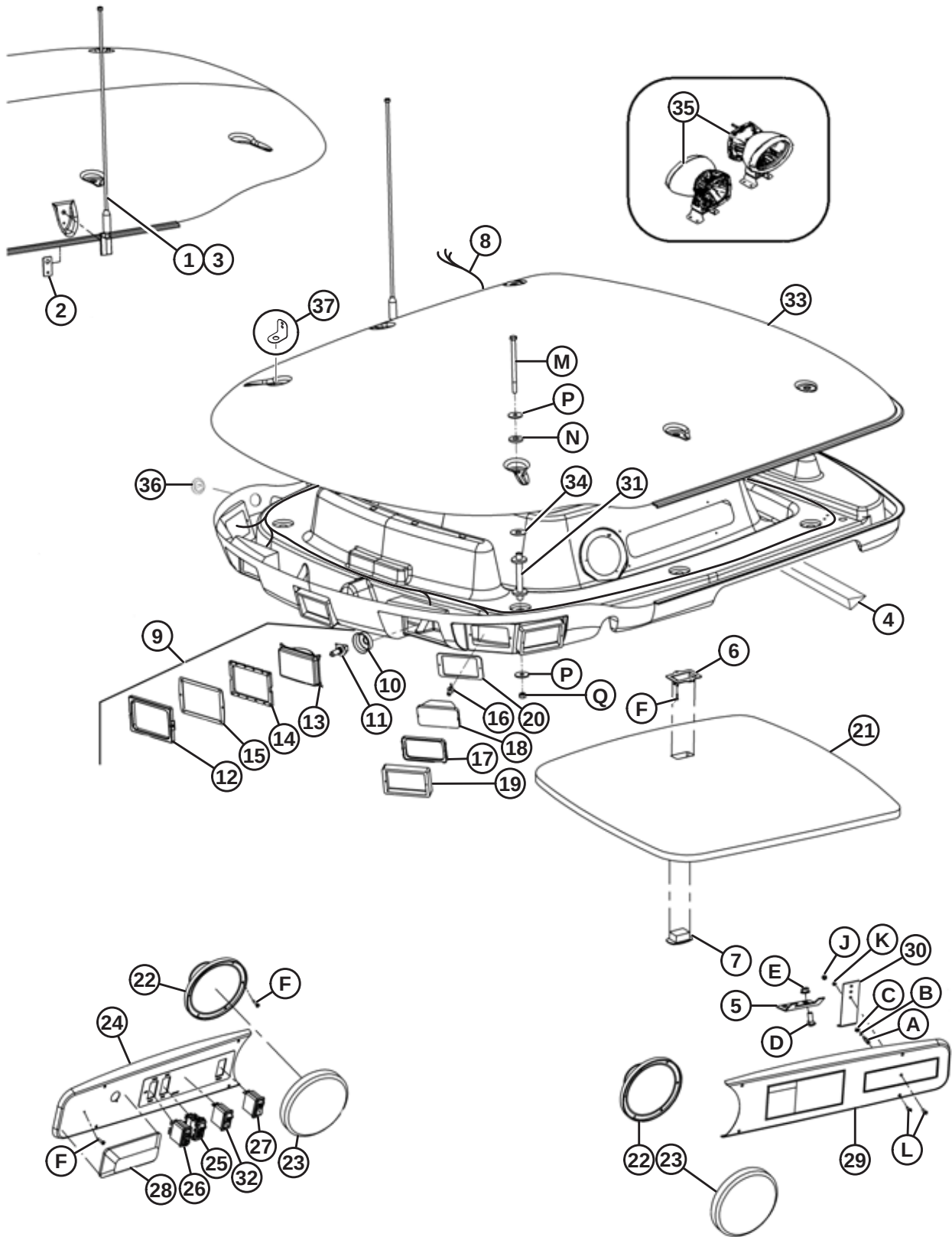
Ref	Part Number	Description	Qty	Serial Number
	B5596	KIT – H.I.D. AUXILLIARY LIGHTING (OPTIONAL) ⁴³		
1	166418	ANTENNA – RADIO, WHIP AND BASE	1	
	166417	CABLE – ANTENNA		
2	109099	BAR	1	
3	160293	CAPACITOR – RADIO ANTENNA ⁴⁴	1	
4	109996	INSULATOR – FOAM	1	
5	109762	RETAINER – RADIO SUPPORT	1	
6	109887	SUPPORT – AMBIENT LIGHT	1	
7	109908	LIGHT – AMBIENT	1	
8	167659	HARNESS – ROOF (2016 AND LATER) ⁴⁵	1	285420–
	167691	KIT – HARNESS ROOF, M105 (2015 AND PRIOR)	1	–285419
	166301	HARNESS – RADIO MEMORY POWER	1	
	183253	HARNESS – TRIMBLE ROOF	1	
9	110268	ASSY – ABL ROADLIGHT	2	
10	110266	INSULATOR – RUBBER BOOT (ABL ROADLITE)	2	
11	110267	LIGHT – H4 BULB 12 VOLT 60/55 WATT	2	
12	110264	BEZEL – ABL ROAD LIGHT	2	
13	110265	OPTICAL UNIT – ABL ROAD LIGHT	2	
14	109776	GASKET – INNER	2	
15	109777	GASKET – OUTER	2	
16	109113	LAMP – BULB	5	
17	109697	GASKET – RUBBER	5	
18	109696	LIGHT – 3 X 5 OPTICAL UNIT	5	
19	109695	BEZEL – WORK LIGHT	5	
20	109110	GASKET – WORK LIGHT	5	
21	160226	INSULATOR – ROOF	1	
22	109093	SPEAKER – RADIO	2	
23	109096	SCREEN – SPEAKER GRILLE	2	
24	160370	PANEL – C/W DECAL	1	
25	166274	SWITCH – ROCKER, ON-NONE-ON (HI/LO LIGHT)	1	
26	109568	SWITCH – ROCKER, ON-OFF-ON (MAIN LIGHT)	1	
27	109573	SWITCH – ROCKER OFF-NONE-ON (WIPER)	1	
28	183413	LIGHT – INTERIOR	1	
29	131312	PANEL – RADIO C/W 2-PANEL DECAL	1	
30	109525	SUPPORT – RADIO	1	
31	45783	SPACER WELDT	6	

43. Includes two H.I.D. Long Range Lamps (MD #138799). Kits are available through Whole Goods only.

44. Includes short harness with capacitor.

45. Includes radio memory power harness. If replacing the superseded roof harness (MD #139640), order roof harness kit (MD #167691).

ROOF AND HEADLINER



1040032

ROOF AND HEADLINER

Ref	Part Number	Description	Qty	Serial Number
32	166154	SWITCH – ROCKER, ON-NONE-OFF (BEACON) ⁴⁶	1	
	138952	SWITCH – ROCKER, ON-NONE-OFF (BEACON) ⁴⁷		
33	160344	ROOF – CAB ⁴⁸	1	
34	43960	WASHER – FLAT (FRONT TWO SPACERS ONLY)	2	
35	138799	LAMP – H.I.D. LONG RANGE (OPTIONAL) ⁴⁹	2	
36	183315	PLUG – 1.75 IN. I.D.	1	
37	183335	BRACKET – CABLE	1	
A	109919	NUT – SPECIAL		
B	20042	WASHER – REG. LOCK #8 NOM. I.D. ZP		
C	18796	NUT – HEX #8-32 UNC GR 5 ZP		
D	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
E	21452	NUT – FLANGE (SER FACE) .375-16 UNC		
F	30492	SCREW – PHILIPS PAN HD #8 X 3/4 LG ZP		
G	42213	NUT – SPRING		
H	30949	SCREW – MACH PHILIPS PAN HD #6 NC X 1.0 LG ZP		
J	197230	NUT – HEX NYLON, M5, CLASS 8		
K	18634	WASHER – REG. LOCK #10 NOM. I.D. ZP		
L	109918	SCREW – MACHINE PHILIPS #8 NC X 0.5 LG GR 2		
M	30947	BOLT – HH 1/2 NC X 7.5 LG GR 5 ZP		
N	42045	WASHER – RUBBER		
P	42592	WASHER – FLAT		
Q	18697	NUT – HEX LOCK DT .500-13 UNC		

46. All markets except Commonwealth of Independent States (CIS).

47. CIS export market only.

48. Includes roof and headliner.

49. Two lamps (MD #138799) are included in the H.I.D. Auxilliary Lighting kit (MD #B5596).

This diagram illustrates the assembly of a car door. The main view shows the door frame with various components labeled with numbers and letters. A callout box at the top shows a close-up of component 12. The components are as follows:

- 1**: A small rectangular component, possibly a hinge or bracket.
- 2**: A long, thin metal plate or bracket.
- 3**: A small rectangular component, possibly a hinge or bracket.
- 4**: A small rectangular component, possibly a hinge or bracket.
- 5**: A small rectangular component, possibly a hinge or bracket.
- 6**: A small rectangular component, possibly a hinge or bracket.
- 7**: A small rectangular component, possibly a hinge or bracket.
- 8**: A small rectangular component, possibly a hinge or bracket.
- 9**: A small rectangular component, possibly a hinge or bracket.
- 10**: A long, thin metal plate or bracket.
- 11**: A long, thin metal plate or bracket.
- 12**: A small rectangular component, possibly a hinge or bracket.
- 13**: A small rectangular component, possibly a hinge or bracket.
- A**: A small rectangular component, possibly a hinge or bracket.
- B**: A small rectangular component, possibly a hinge or bracket.
- C**: A small rectangular component, possibly a hinge or bracket.
- D**: A small rectangular component, possibly a hinge or bracket.
- E**: A small rectangular component, possibly a hinge or bracket.
- F**: A small rectangular component, possibly a hinge or bracket.
- G**: A small rectangular component, possibly a hinge or bracket.
- H**: A small rectangular component, possibly a hinge or bracket.
- J**: A small rectangular component, possibly a hinge or bracket.

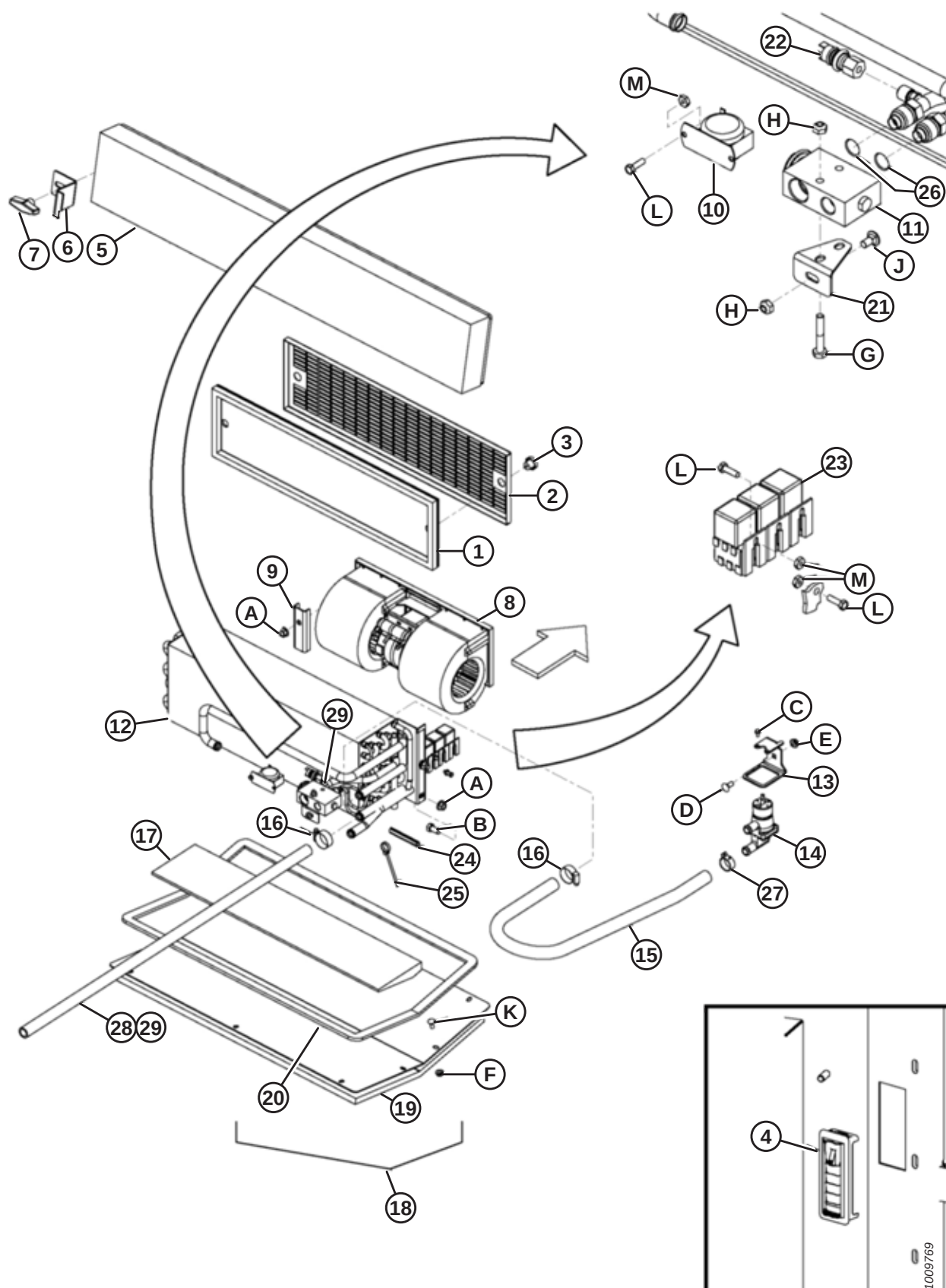
MIRRORS AND WIPERS

Ref	Part Number	Description	Qty	Serial Number
1	138150	LAMP – STOP/TURN/TAIL ⁵⁰	2	
	139630	LENS – AMBER		
	139631	LENS – RED		
	139632	LENS – BLACK (OPAQUE)		
	139633	LENS – CLEAR (TRANSPARENT)		
2	139626	ASSEMBLY – LIGHT/MIRROR MOUNT W/DECALS	2	
3	45835	MIRROR – CONVEX	2	
4	138260	SUPPORT – MIRROR, RH WELD'T	1	
	138259	SUPPORT – MIRROR, LH WELD'T	1	
5	109995	INSULATOR – FOAM	2	
6	30542	FASTENER – NYLON CLIP (BLACK)	4	
7	135258	GROMMET – RUBBER	4	
8	109825	MOTOR – ELEC WINDSHIELD WIPER	1	
9	109088	SUPPORT – ADAPTER KIT	1	
10	109578	ARM – WINDSHIELD WIPER, 28 IN.	1	
11	109579	BLADE – WINDSHIELD WIPER, 31.5 IN.	1	
12	138086	LAMP LH – STOP/TURN/TAIL (RUSSIA) ⁵⁰	1	
	138087	LAMP RH – STOP/TURN/TAIL (RUSSIA) ⁵⁰	1	
13	REF	LAMP – H.I.D. LONG RANGE (OPTIONAL) ⁵¹	2	
A	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
B	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
C	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
D	21485	BOLT – RHSN 3/8 NC X 2.25 LG GR 5 ZP		
E	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
F	135248	NUT – FLG SMTH FACE 1/4-20 NC GR 5 ZP CTR LK DT		
G	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
H	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
J	18588	NUT – HEX 1/4-20 UNC GR 5 ZP		

50. Includes amber lens.

51. Included in optional H.I.D. Auxilliary Lighting Kit (MD #B5596, kits available through Whole Goods only). Refer to Section [27 Roof and Headliner, page 63](#).

29 Cab Air Conditioning and Heating

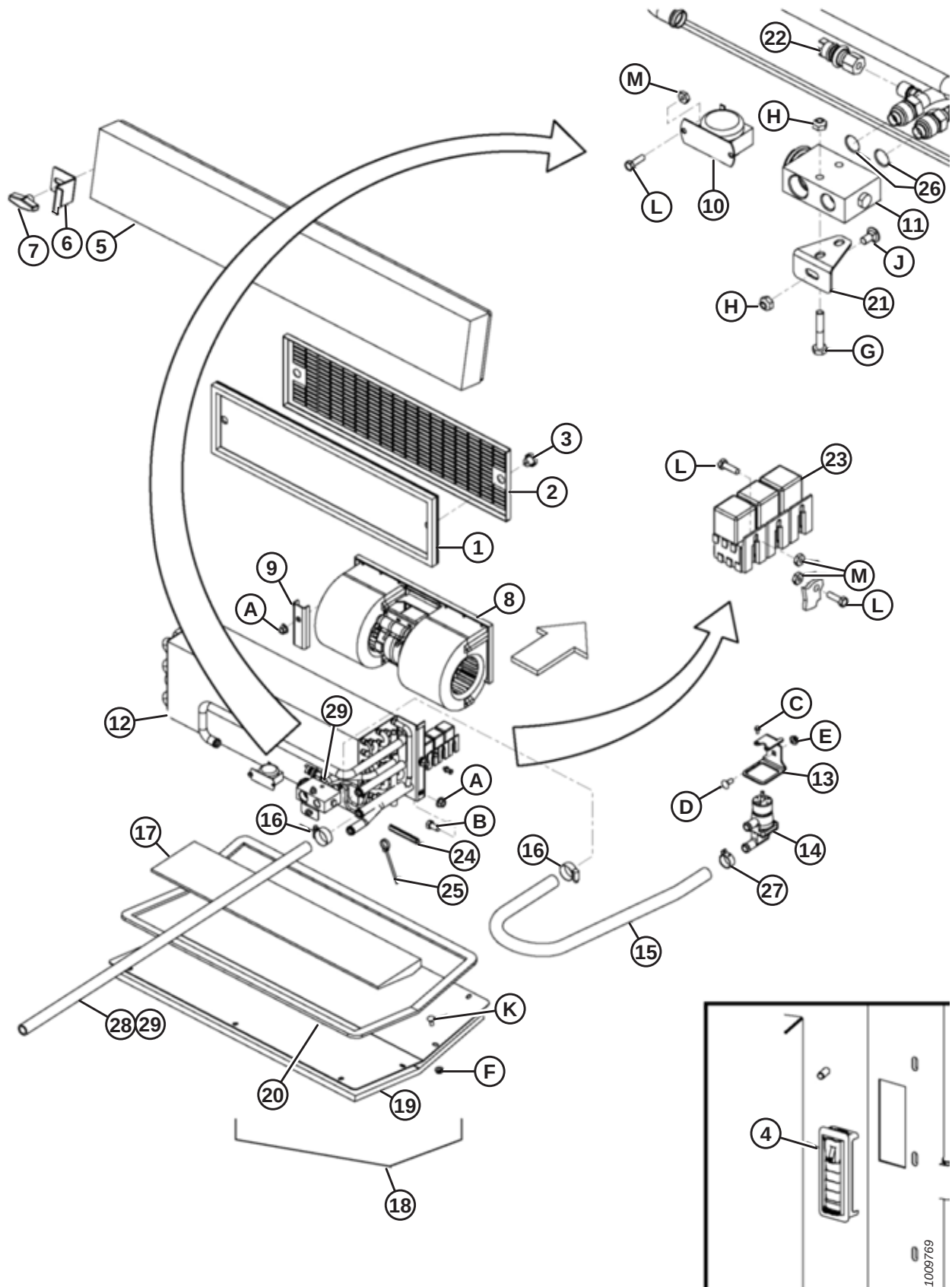


CAB AIR CONDITIONING AND HEATING

Ref	Part Number	Description	Qty	Serial Number
1	109797	CLEANER – RECIRC AIR ELECTROSTATIC	1	
2	109795	COVER – RECIRC AIR FILTER	1	
3	109796	KNOB	2	
4	109626	VENTILATOR – RECTANGULAR LOUVER	12	
5	42445	CLEANER – AIR INTAKE	1	
6	42598	RETAINER – AIR COND FILTER	1	
7	42075	KNOB	1	
8	109920	BLOWER	1	
9	160206	HOLDER – BLOWER	2	
10	109923	THERMOSTAT – AC	1	
11	42879	VALVE – EXPANSION	1	
12	160130	EVAPORATOR/HEATER CORE	1	
13	183230	SUPPORT – HEATER VALVE	1	–244009
14	183228	ASSEMBLY – WATER VALVE ⁵²		244010–
	136407	SUPPORT – HEATER VALVE	1	244010–
	183229	VALVE – WATER	1	244010–
	183235	KIT – VALVE, WATER, M105/W110 (SERVICE ONLY)	A/R	–244009
15	183201	HOSE – MOLDED	1	
16	21349	CLAMP – HOSE GEAR TYPE	2	
17	109929	BAFFLE – CONDENSATE	1	
18	160161	COVER – A/C ASSEMBLY	1	
19	160164	INSULATOR – A/C COVER	1	
20	160184	SEAL – FOAM	1	
21	160128	SUPPORT – EXPANSION VALVE	1	
22	138972	SWITCH – AIR COND LOW PRESSURE	1	
23	183028	HARNESS – A/C BOX, M100	1	
24	42589	MOULDING	1	
25	21763	FASTENER – CABLE TIE (BLACK)	1	
26	183508	O-RING – 1.78 X 10.82	2	
27	112692	CLAMP – HOSE	1	
28	160194	HOSE – HEATER	2	–244009
29	110763	HOSE – HEATER	1	244010–
A	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
B	21567	BOLT – HEX HD .375-16 UNC X 0.75 LG		
C	30366	SCREW – TAPPING HEX WASH HD #10 X 3/8 ZP		–244009
	136407	SCREW – HEX FLG PLASTITE #8-16 X 1/2-GR 5		244010–
D	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
E	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
F	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
G	21574	BOLT – HH 1/4 NC X 1.5 LG GR 5 ZP		
H	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		

52. Includes heater valve support (MD #136407), water valve (MD #183229), mounting hardware, and instructions. For units made in model year 2013 and prior, order water valve kit (MD #183235).

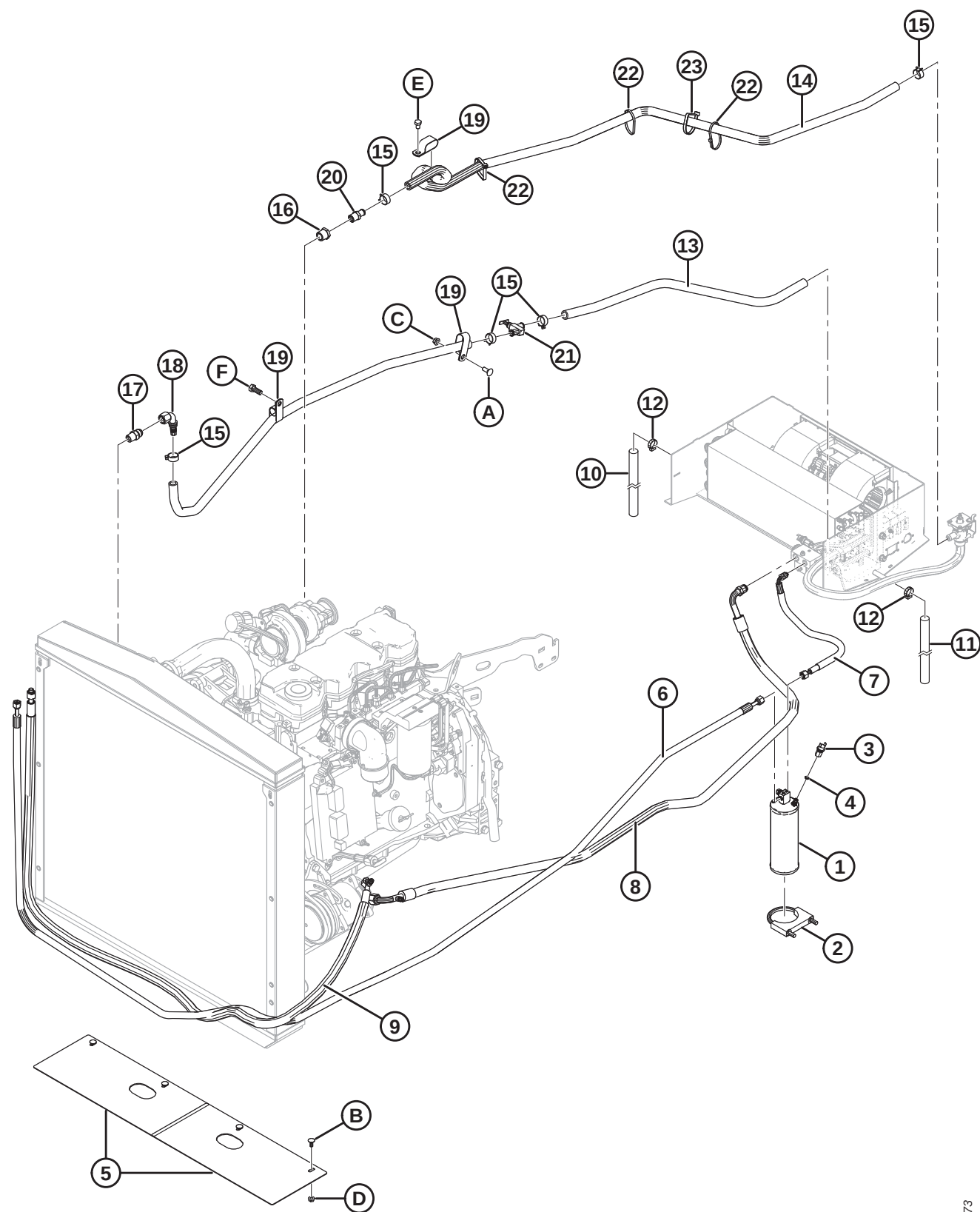
CAB AIR CONDITIONING AND HEATING



CAB AIR CONDITIONING AND HEATING

Ref	Part Number	Description	Qty	Serial Number
J	21926	BOLT – RHSN 1/4 NC X 0.5 GR 5 ZP		
K	30242	BOLT – RHSN 1/4 NC X 0.625 GR 5 ZP		
L	184608	SCREW – MACHINE #10 UNC X 0.625 IN. HEX		
M	18707	NUT – HEX LOCK DT #10-24 UNC ZP		

30 HVAC – Engine Group

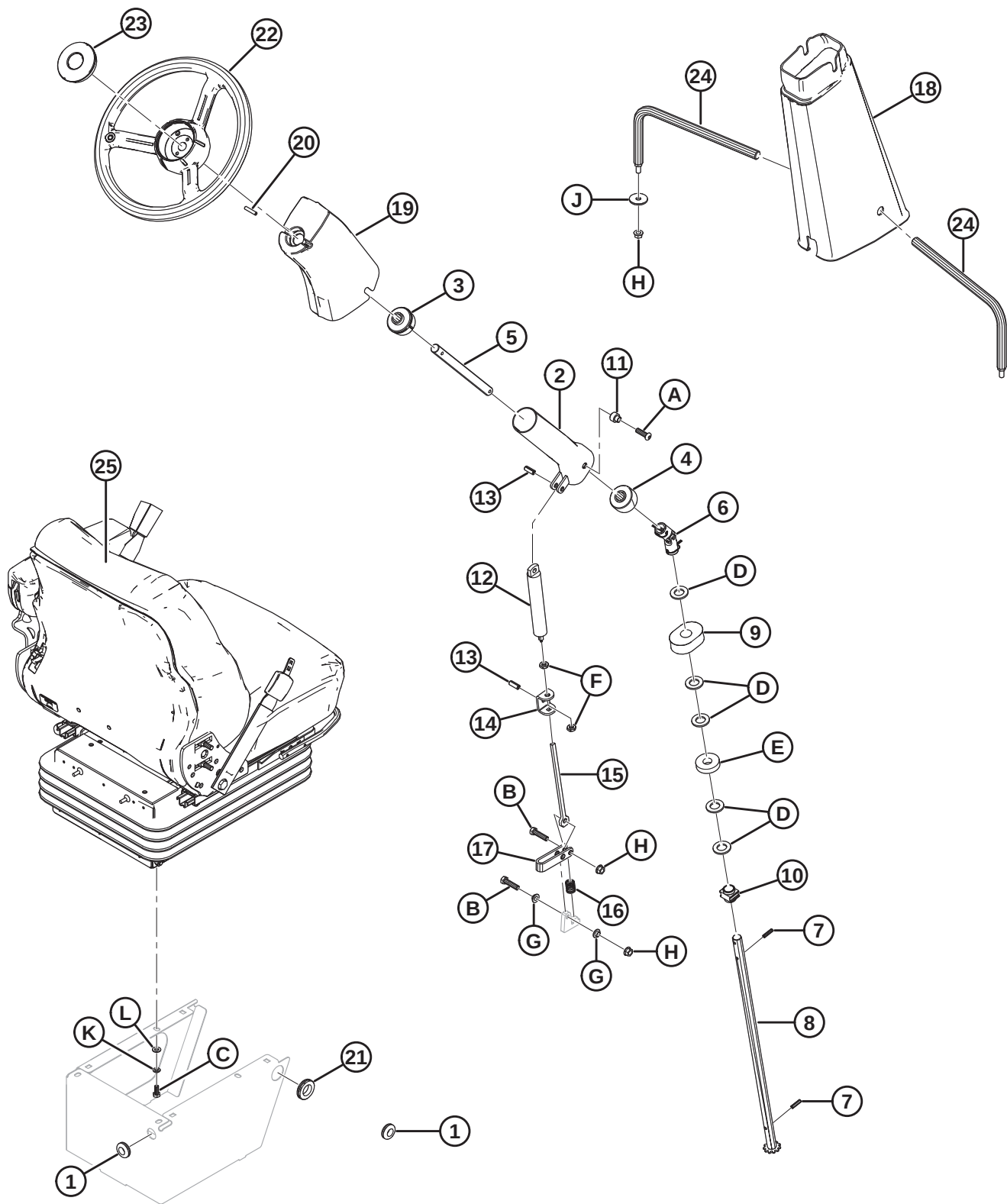


1013773

HVAC – ENGINE GROUP

Ref	Part Number	Description	Qty	Serial Number
1	183273	KIT – RECEIVER DRIER W/DYE	1	
2	42469	CLAMP – PIPE	1	
3	183199	SWITCH – AIR COND HIGH	1	229511–
	183180	KIT – HIGH PRESSURE SWITCH	1	–229510
4	183506	O-RING – 1.78 X 7.65	1	
5	110834	SHIELD – FAN (ENGINE AIR BLAST)	2	
6	138569	HOSE – AC COND TO DRIER	1	
	183506	O-RING – 1.78 X 7.65	1	
7	138706	HOSE – A/C DRYER TO EXPANSION VALVE	1	
	183506	O-RING – 1.78 X 7.65	1	
8	183261	HOSE – A/C EXP VALVE TO COMPRESSOR SUCTION	1	
	183202	O-RING – HNBR, COLOR GREEN		
	183205	VALVE – SCHRADER CORE, WITH HNBR GREEN SEAL		
	183208	CAP – LOW SIDE PORT, BLUE		
9	183260	HOSE – AC COMP TO COND	1	
	183508	O-RING – 1.78 X 10.82	2	
	183205	VALVE – SCHRADER CORE, WITH HNBR GREEN SEAL		
	183207	CAP – HIGH SIDE PORT, RED		
10	166003	HOSE – DRAIN	1	
11	166349	HOSE – DRAIN	1	
12	21053	CLAMP – GEAR TYPE	2	
13	110763	HOSE – HEATER	1	
14	183185	HOSE – HEATER	1	
15	112692	CLAMP – HOSE	5	
16	5745	FITTING – REDUCER BUSHING	1	
17	21746	FITTING – CONNECTOR HYD	1	
18	139062	FITTING – HEATER HOSE	1	
19	50022	CLAMP – INSULATED 15/16 INCH	3	
20	112662	FITTING – HEATER 1/2 NPT MALE X 5/8 IN. HOSE	1	
21	111391	VALVE – HEATER SHUTOFF	1	
22	21763	FASTENER – NYLON TIE	6	
23	30753	FASTENER – CABLE TIE (BLACK)	2	
		SERVICE PARTS (ILLUSTRATION UNAVAILABLE)		
	183443	CAP – R134A HIGH SIDE SERVICE VALVE		
	183444	CAP – R134A LOW SIDE SERVICE VALVE		
	183264	VALVE – SCHRADER, HF, LOW SIDE, HNBR GREEN (SERVICE ONLY)		
	183265	VALVE – SCHRADER, HF, HIGH SIDE, HNBR GREEN (SERVICE ONLY)		
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
C	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
D	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
E	50071	BOLT – HEX HD M10X1.5X15 LG ZP		
F	30630	BOLT – HEX HD TFL M12X1.75X30-8.8-A3L		

31 Steering Column and Seat Base



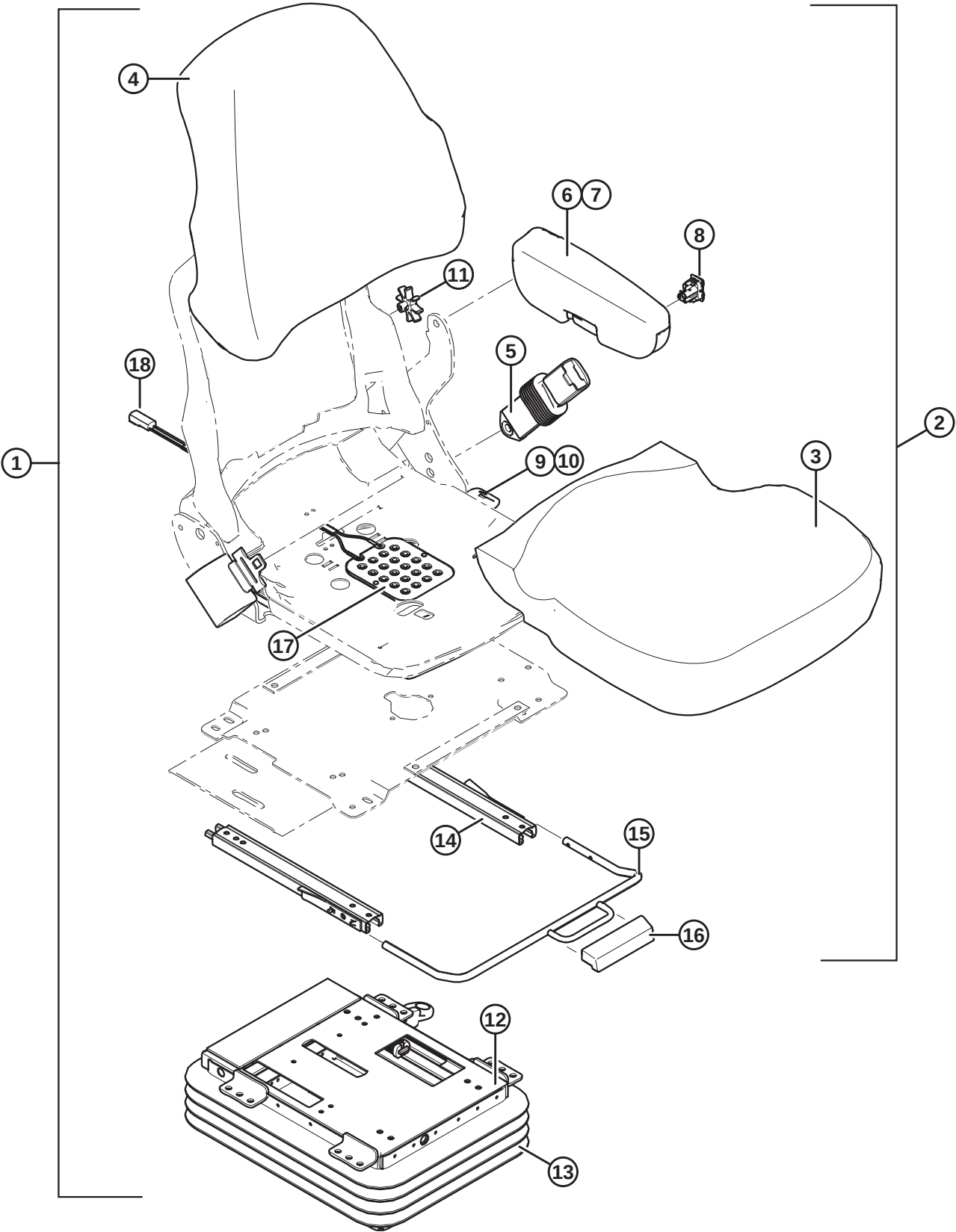
STEERING COLUMN AND SEAT BASE

Ref	Part Number	Description	Qty	Serial Number
1	135258	GROMMET – RUBBER	2	
2	160177	TUBE STEERING WELDT	1	
3	45661	ROLLER – PLASTIC	1	
4	19488	ROLLER	1	
5	25326	SHAFT	1	
6	42064	JOINT – UNIVERSAL	1	
7	30943	PIN – SPRING 1/4 DIA X 1.0 LG	4	
8	42458	SHAFT – STEERING WELDT	1	
9	42460	INSULATOR	1	
10	109751	BUSHING – PLASTIC	1	
11	45662	SPACER – MACH	2	
12	109073	SPRING – GAS	1	
13	50075	PIN – SPRING 3/8 DIA X 1.0 LG	2	
14	160175	ARM – MOUNT	1	
15	160182	ROD – RELEASE	1	
16	26429	SPRING – COMPRESSION	1	
17	160181	ARM – RELEASE	1	
18	160227	COVER – LOWER	1	
19	160284	COVER – UPPER COLUMN	1	
20	16266	PIN – SPRING 1/4 DIA X 1.25 LG	1	
21	183331	GROMMET – RUBBER, 1 IN. I.D., 1.375 IN. PANEL ID	1	
22	183351	WHEEL – STEERING ⁵³	1	
23	183352	COVER – STEERING WHEEL CENTER	1	
24	160121	ROD WELDT	2	
25	183147	ASSEMBLY – SEAT, LESS RH ARMREST ⁵⁴	1	
A	109071	BOLT – BUTTON HD. 0.375 NC X 1.25 LG		
B	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
C	30715	BOLT – HEX HD TFL M8X1.25X20-8.8-A2L		
D	18601	WASHER – SAE FLAT 13/16 I.D. X 1.5 IN. O.D. ZP		
E	42467	WASHER – RUBBER		
F	109072	NUT – HEX JAM M10		
G	135281	WASHER – SHOULDER		
H	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
J	16652	WASHER – FLAT		
K	30716	WASHER – LOCK, M8		
L	18597	WASHER – FLAT SAE 11/31 I.D.		

53. Includes cover (MD #183352).

54. Refer to Section [32 Operator's Seat, page 77](#) for service parts.

32 Operator's Seat



1026381

OPERATOR'S SEAT

Ref	Part Number	Description	Qty	Serial Number
1	109244	SEAT – C/W SMV DECAL	1	
2	109847	SEAT – TOP ASSEMBLY (NO SUSPENSION) ⁵⁵	1	
3	109845	SEAT CUSHION ASSEMBLY ⁵⁶	1	
4	109846	BACK CUSHION ASSEMBLY	1	
5	45954	SEAT BELT	1	
6	109848	ARMREST ASSEMBLY (LH)	1	
7	109849	PAD – LH ARMREST, C/W SCREW	1	
8	109850	SWITCH – SEAT (SUSPENSION HEIGHT)	1	
9	109851	KIT – RECLINER	1	
10	109852	KNOB – RECLINER	1	
11	109853	LUMBAR KNOB KIT	1	
12	109854	LPA SUSPENSION ASSEMBLY ⁵⁷	1	
13	109855	BOOT KIT ⁵⁸	1	
14	109862	KIT – FORE-AFT SLIDES	1	
15	109863	HANDLE – SLIDE	1	
16	109864	KNOB – SLIDE	1	
17	109968	SWITCH – SEAT, OPERATOR PRESENT	1	
18	109971	HARNESS – SEAT SWITCH	1	

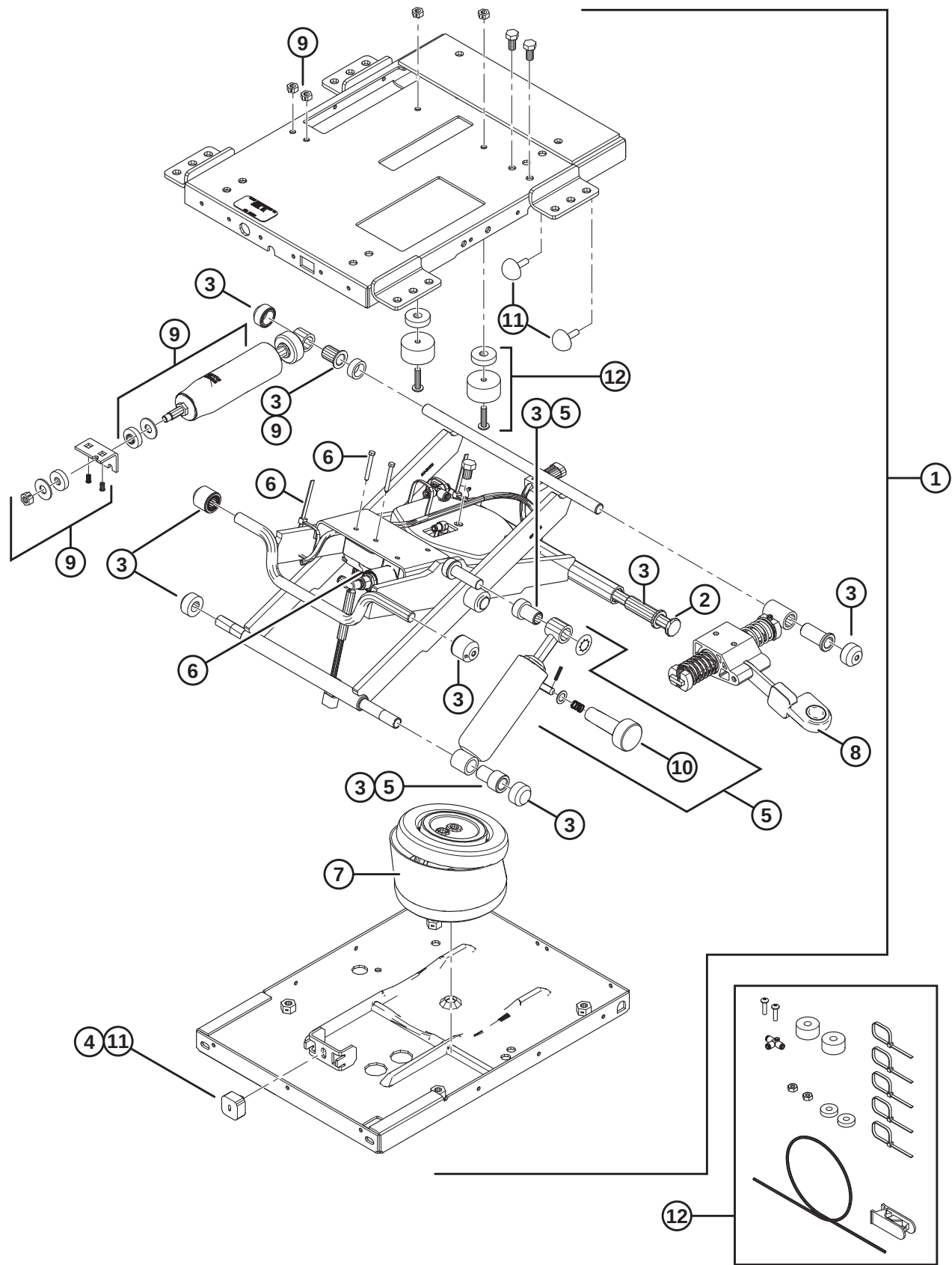
55. Includes back cushion assembly (MD #109846), armrest assembly (MD #109848), and seat belt (MD #45954).

56. Includes operator present switch (MD #109968).

57. For internal components, refer to Section *33 Seat Suspension Internal Components, page 79*.

58. Includes boot, clips, and rivets.

33 Seat Suspension Internal Components



1008808

SEAT SUSPENSION INTERNAL COMPONENTS

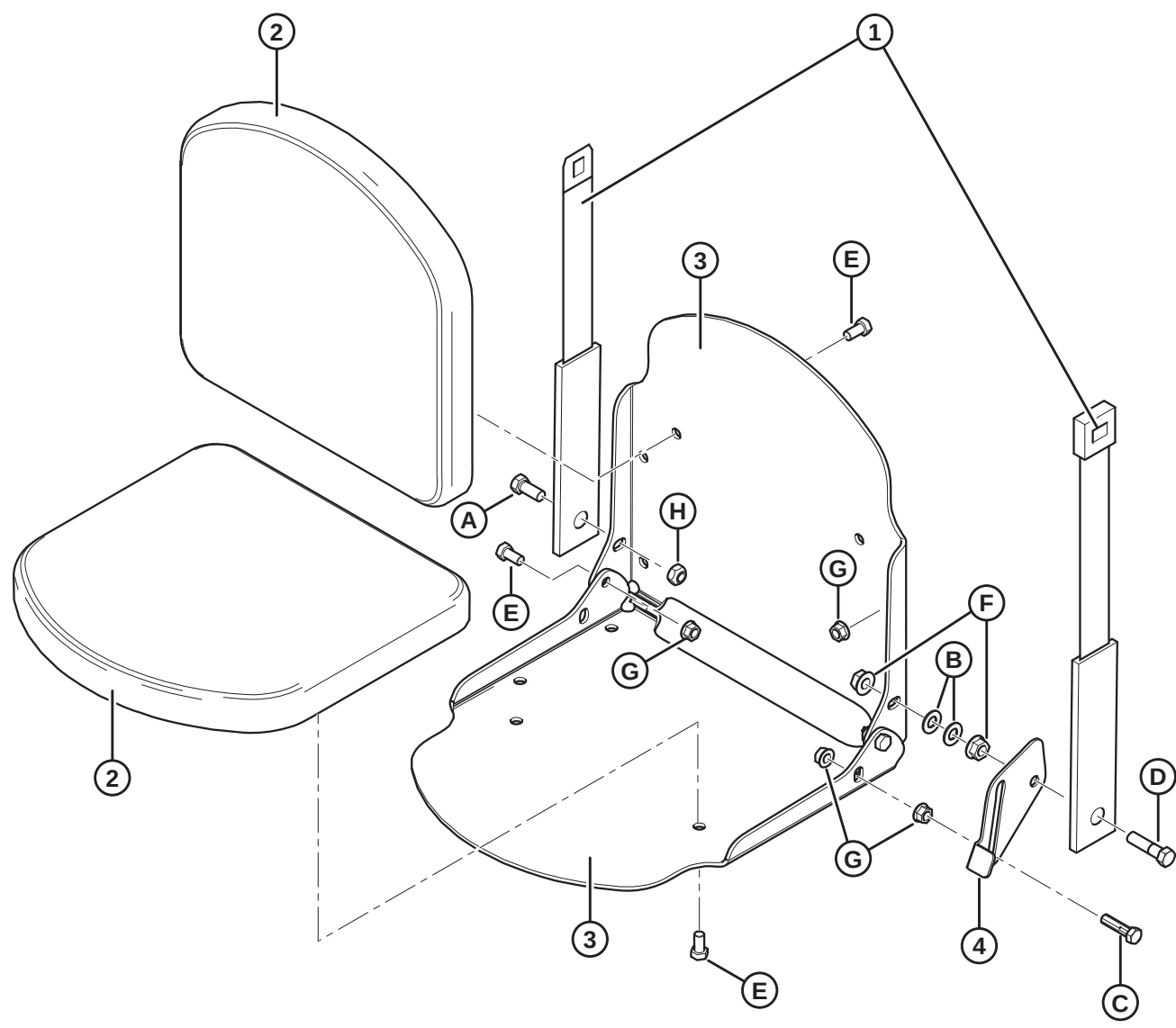
Ref	Part Number	Description	Qty	Serial Number
1	109854	LPA SUSPENSION ASSEMBLY ⁵⁹	1	
2	109856	SHAFT – BEARING	1	
3	109857	KIT – BEARING	1	
4	109858	BUMPER (QTY 1)	1	
5	109859	KIT – ADJUSTABLE SHOCK ABSORBER ⁶⁰	1	
6	208040	KIT – COMPRESSOR	1	
	109812	KIT – AIRLINE AND FITTING SERV.	1	
7	109860	SPRING – AIR, C/W J-CLIP	1	
8	109861	ISOLATOR – FORE-AFT	1	
9	208038	KIT – FORE-AFT ISO. SHOCK	1	
10	109865	KNOB – ADJUSTABLE SHOCK	1	
11	183150	KIT – SUSPENSION BUMPER ⁶¹	1	
12	183344	KIT – SUSPENSION BUMPERS AND AIRLINE	1	

59. Complete with boot kit.

60. Includes adjustable shock knob (MD #109865).

61. Includes three suspension bumpers (MD #109858) and two spherical bumpers.

34 Trainer's Seat

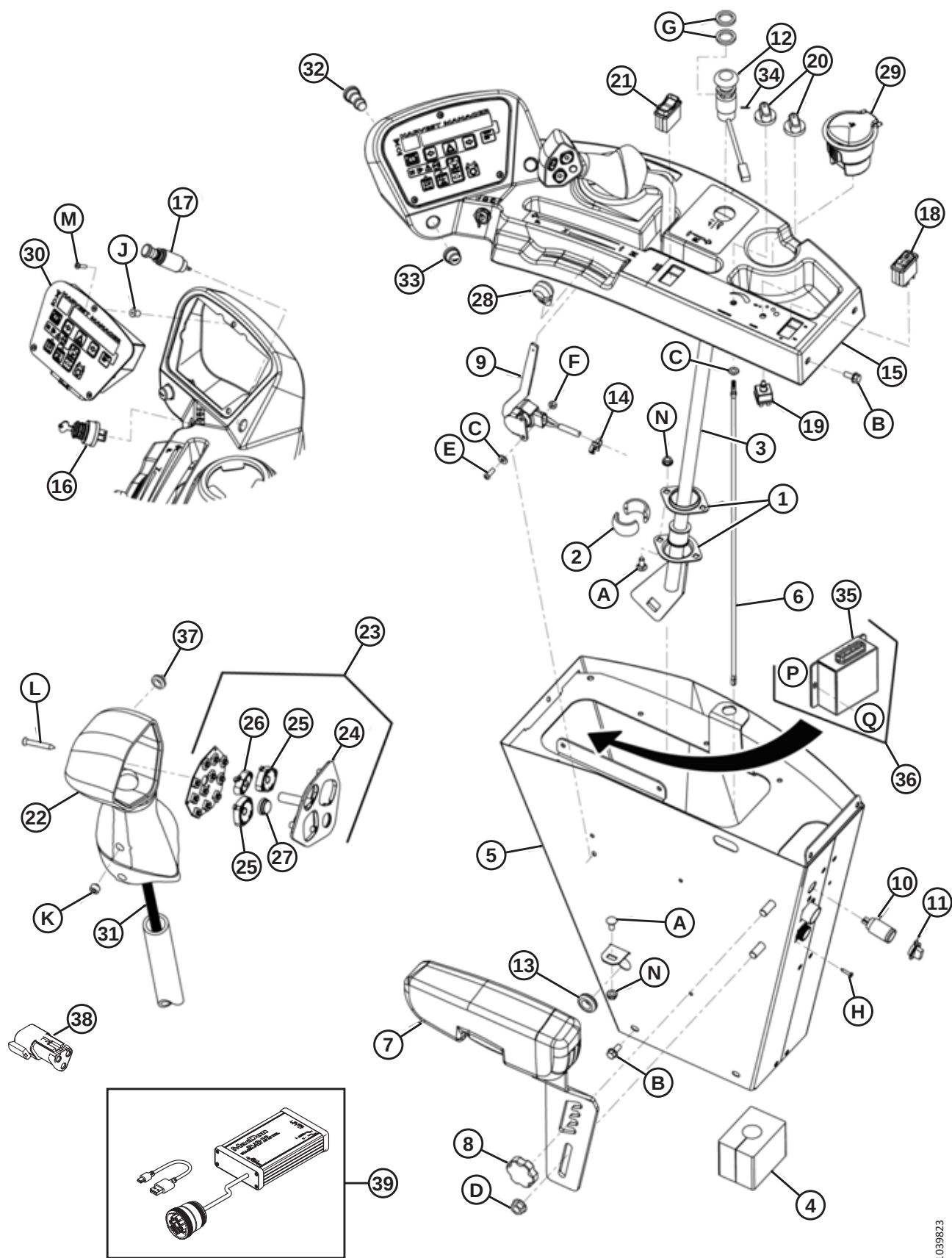


1004974

TRAINER'S SEAT

Ref	Part Number	Description	Qty	Serial Number
1	109102	SEAT BELT	1	
2	109643	CUSHION – TRAINING SEAT	2	
3	167503	SUPPORT – CUSHION C/W DECAL	2	
4	109644	LATCH – TRAINER'S SEAT	1	
A	21522	BOLT – HH 7/16 NC X 1.0 LG GR 5 ZP		
B	18688	WASHER – SAE FLAT 0.47 IN. I.D. X 0.92 IN. O.D. ZP		
C	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
D	21564	BOLT – HH 7/16 NC X 1.75 LG GR 5 ZP		
E	21567	BOLT – HEX HD .375-16 UNC X 0.75 LG		
F	21761	NUT – FLG SMOOTH FACE 7/16 NC GR 5 ZP		
G	30228	NUT – FLG DT SMOOTH FACE 0.375-16 UNC		
H	20213	NUT – LOCK, HEX 7/16 NC DT		

35 Console Components



1039823

CONSOLE COMPONENTS

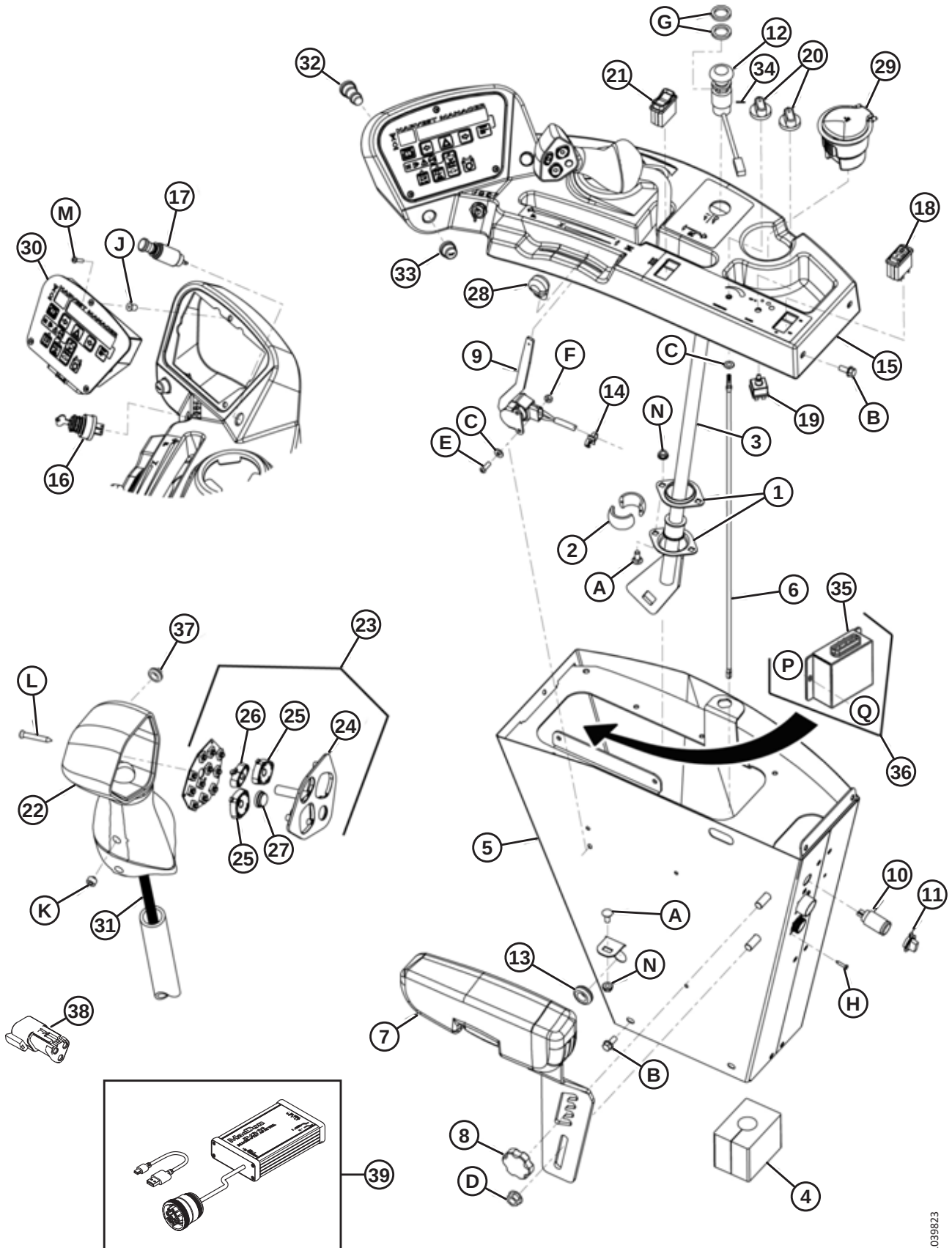
NOTE:

Contact your Dealer for information about software updates to the electronic modules. Your Dealer will have the necessary interface tools and access to the latest software upgrades

Ref	Part Number	Description	Qty	Serial Number
1	15103	FLANGE	2	
2	28038	BUSHING – PLASTIC	1	
3	160111	LEVER – GROUND SPEED WELDT	1	
4	109835	SEAL – FOAM	1	
5	160170	SUPPORT – CONSOLE, WELDT	1	
6	160162	TUBE – HEATER CONTROL	1	
7	183148	ASSEMBLY – ARMREST, RH WITH SUPPORT ⁶²	1	
	160335	ARMREST – RH	1	
	160336	ARMREST – RH PAD ONLY	1	
	160530	BOLT – ARMREST, RH	1	
	30636	WASHER – FLAT, M12	1	
	160531	NUT – LOCK, ARMREST, RH	1	
	160532	SCREW – ARMREST, RH	1	
8	109490	KNOB – 1/2 IN.	1	
9	160179	CONTROL – THROTTLE	1	
10	109080	TERMINAL – POWER OUTLET	1	
11	109081	CAP – POWER OUTLET	1	
12	109505	SWITCH – HEADER ENGAGE	1	
13	135258	GROMMET	1	
14	50109	CLIP – PLASTIC	1	
15	160323	ASSEMBLY – CONSOLE C/W DECALS	1	
16	109702	SWITCH – ASSEMBLY CW KEYS	1	
	109701	KEYS – IGNITION, SET OF 2		
17	42447	LIGHTER – CIGARETTE	1	
18	109570	SWITCH – ROCKER, ON/OFF/ON (A/C MAIN)	1	
19	109078	SWITCH – BLOWER	1	
20	109773	KNOB – PLASTIC	2	
21	109574	SWITCH – ROCKER, ON/OFF/ON	1	
22	160388	HANDLE – SPEED CONTROL	1	–244009
	183216	HANDLE – SPEED CONTROL		244010–
23	109454	PLATE – FACE ASSEMBLY	1	–244009
	183212	PLATE – FACE ASSEMBLY		244010–
24	109452	PLATE – SPEED STICK FACE	1	–244009
	183213	PLATE – SPEED STICK FACE		244010–
25	109486	KNOB – 4-WAY SWITCH	2	–244009
	183234	KNOB – 4-WAY SWITCH		244010–
26	109487	KNOB – 2-WAY SWITCH	1	
27	109488	KNOB – 1-WAY SWITCH	1	
28	160195	KNOB (COMES WITH MD #160179 – ITEM #9)	1	
29	109627	ASHTRAY	1	

62. Includes all parts listed under item #7.

CONSOLE COMPONENTS



1039823

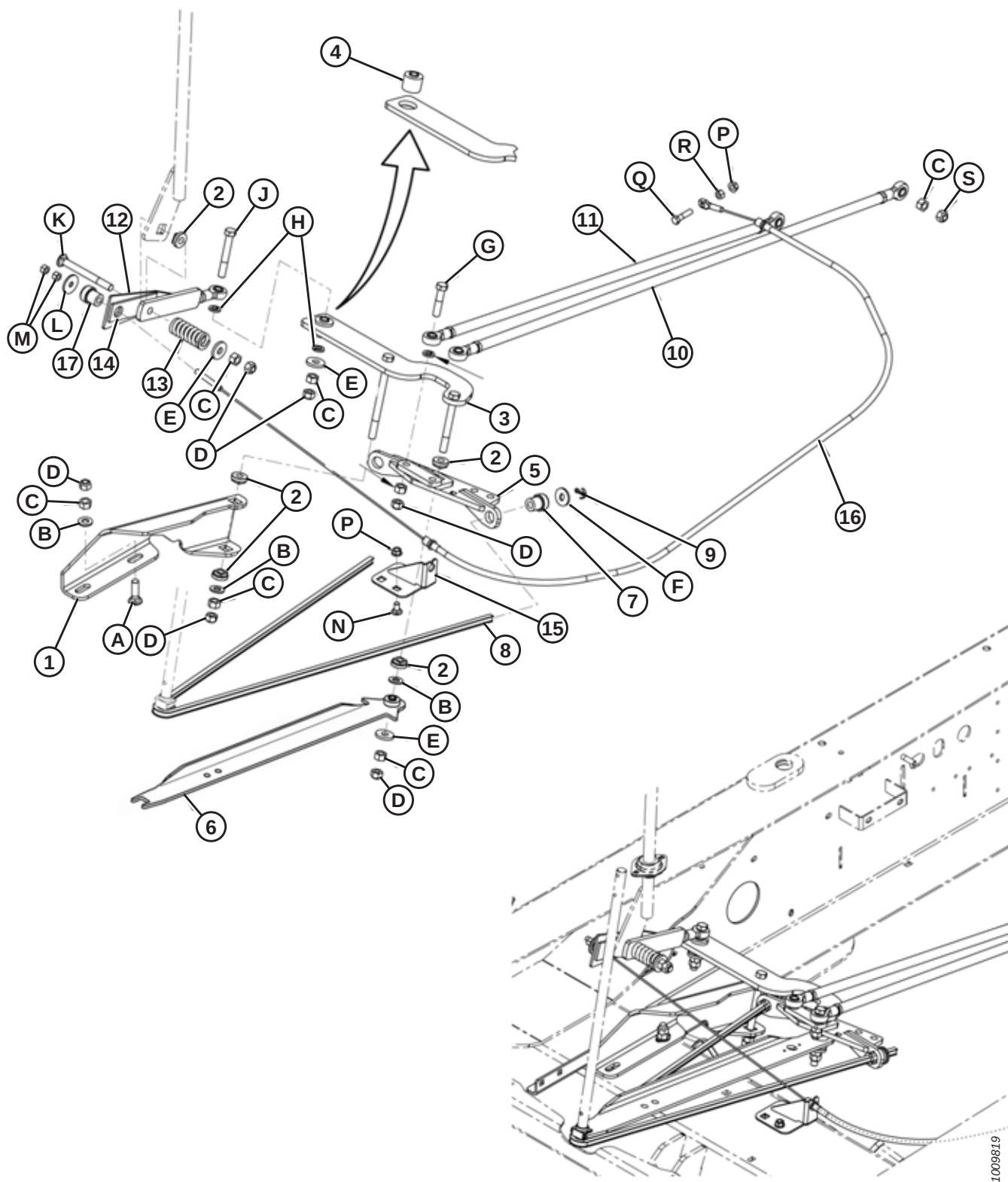
CONSOLE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
30	183012	MODULE – CAB DISPLAY CONTROLLER, M100	1	
31	183078	HARNESS – GSL, M100	1	
32	160375	SWITCH – HORN	1	
33	160376	CAP – HORN SWITCH	1	
34	135681	SCREW – SET M4 X 10MM LG. CUP PT	1	
35	183077	MODULE – M100 OPTIONAL SENSORS	1	
36	B4666	KIT – M100 MODULE, OPTN KNIFE SPD/REEL SPD INDEX/TILT SENSORS ⁶³		
37	173164	SWITCH – PUSH BUTTON (AUTO STEER)	1	
38	134043	CONNECTOR – RECEPTACLE, J1939 TERMINATOR	1	
39	167889	KIT – CANWIN ADAPTER MODULE, C/W USB CABLE ⁶⁴	A/R	
A	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
B	30278	BOLT – HH FLG (SER FACE) 5/16 NC X 0.75 GR 5 ZP		
C	18596	WASHER – SAE FLAT 9/32 I.D. X 5/8 IN. O.D. ZP		
D	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR 5		
E	123084	SCREW – HEX SOCKET BUTTON HD.		
F	18588	NUT – HEX 1/4-20 UNC GR 5 ZP		
G	160107	WASHER – FLAT		
H	30492	SCREW – PHILIPS PAN HD #8 X 3/4 LG ZP		
J	109474	NUT – RUBBER 10-32 NF METAL INSERT		
K	30872	SCREW – SET HEX SOC CUP PT 5/16 NC X 1/4 LG		
L	45868	SCREW – PHIL FL CSK HD #8 X 1-1/4 IN. LG ZP		–244009
	183218	SCREW – PAN HD SELF-TAPPING 4MM X 30MM LG		244010–
M	135161	SCREW – MACHINE (#10-32 UNF X 0.75 IN.)		
N	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
P	42284	SCREW – MACHINE, PHILIPS HD, #10 X 0.5 LG GR 2		
Q	21492	NUT – SER FLANGE, #10 NC		

63. Kits are available through Whole Goods only.

64. Includes CanWin adapter module (J1939 to USB), 6 ft. USB cable (USB A to mini B), and CanWin diagnostic adapter manual.

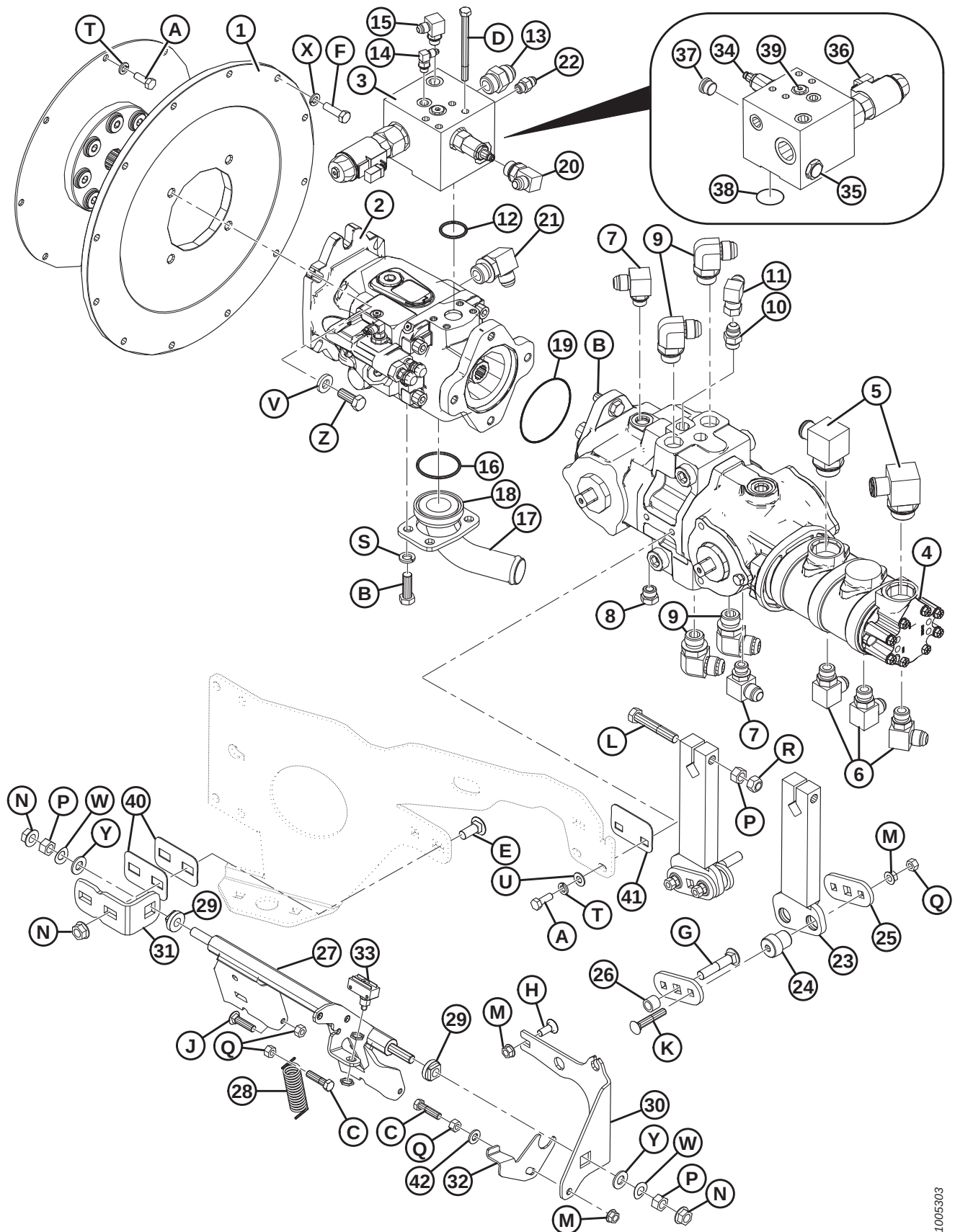
36 Steering and Ground Speed Control (under Cab)



STEERING AND GROUND SPEED CONTROL (UNDER CAB)

Ref	Part Number	Description	Qty	Serial Number
1	162053	SUPPORT – STEERING	1	
2	109750	BUSHING – PLASTIC	5	
3	42776	ARM – STEERING ASSY C/W BUSHING (ITEM #4)	1	
4	50040	BUSHING – RUBBER	2	
5	162063	PIVOT – STEERING WELDT	1	
6	160229	ASSEMBLY – CARRIER, C/W BUSHING (ITEM #4)	1	
7	42482	INSULATOR – RUBBER	2	
8	162158	CHAIN – STEERING	1	
9	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	2	
10	183973	ROD – STEERING, LH WELDT	1	
11	183974	ROD – STEERING, RH WELDT	1	
12	183941	ARM – WELDT	1	
13	11660	SPRING – COMPRESSION	1	
14	45565	PAD – FRICTION	1	
15	162214	SUPPORT – CABLE END	1	
16	162168	CABLE – GSL LEVER	1	
17	30591	INSULATOR – RUBBER	1	
A	30515	BOLT – RHSN 1/2 NC X 1.75 LG GR 5 ZP		
B	18599	WASHER – SAE FLAT 17/32 I.D. X 1-1/16 IN. O.D. ZP		
C	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
D	18697	NUT – HEX LOCK DT .500-13 UNC		
E	4761	WASHER – FLAT		
F	23118	WASHER – FLAT SPECIAL		
G	21578	BOLT – HH 1/2 NC X 2.25 LG GR 5 ZP		
H	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
J	21581	BOLT – HH 1/2 NC X 3.5 LG GR 5 ZP		
K	50052	BOLT – RHSN 1/2 NC X 5.0 LG GR 5 ZP		
L	16652	WASHER – FLAT		
M	18866	NUT – HEX 3/8-24 UNF GR 5 ZP		
N	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
P	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
Q	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
R	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
S	50186	NUT – FLANGE DT SMOOTH FACE 0.500-13 UNC		

37 Pumps, Neutral interlock, and Pintle Arms



1005303

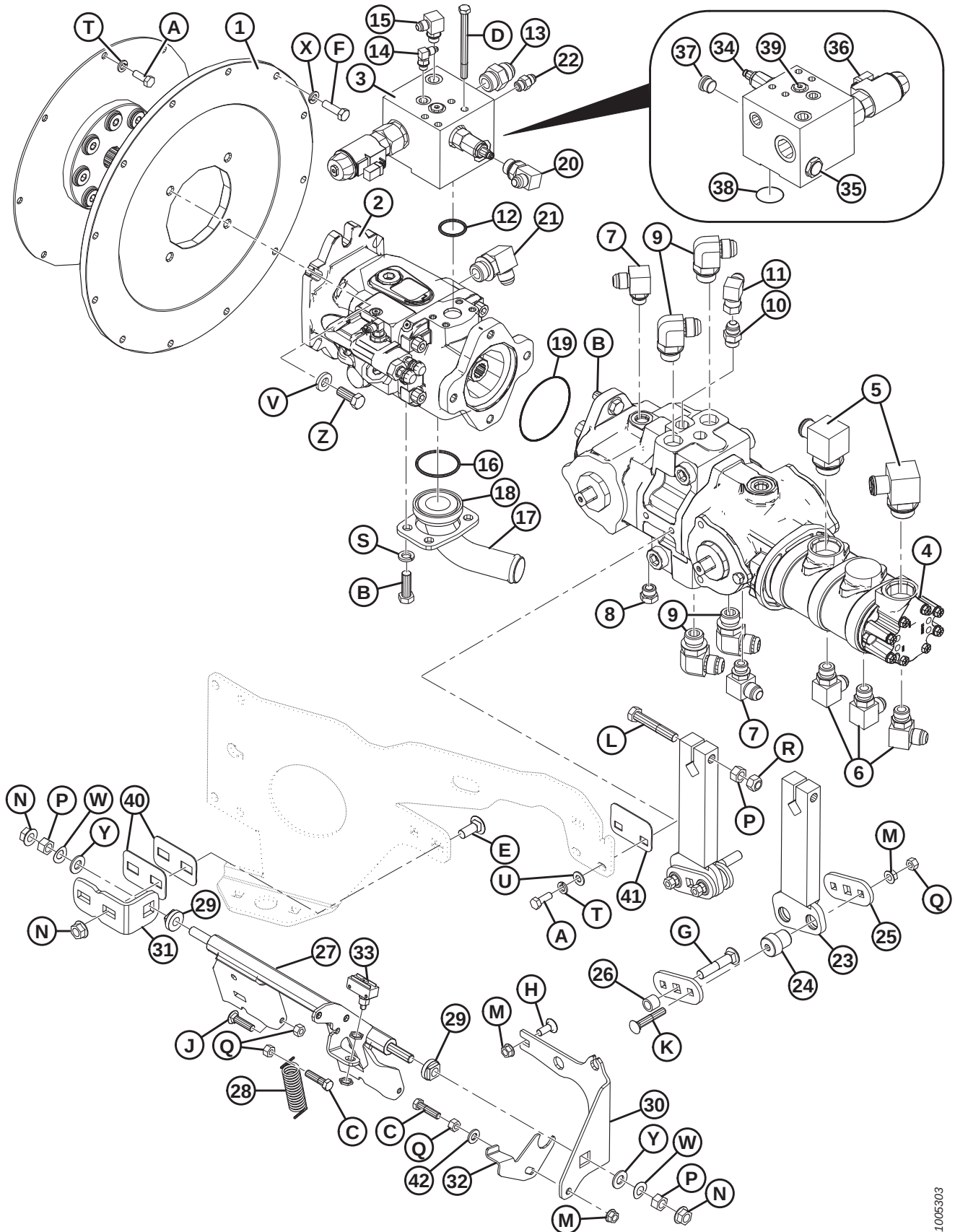
PUMPS, NEUTRAL INTERLOCK, AND PINTLE ARMS

Ref	Part Number	Description	Qty	Serial Number
1	183111	COUPLING – M100 DRIVE	1	
2	162347	PUMP – KNIFE DRIVE ⁶⁵	1	
3	162231	MANIFOLD – KNIFE DRIVE	1	
4	162391	TRACTION – GEAR PUMP ASSY ⁶⁶	1	
5	111542	FITTING – ELBOW 1.0 IN. HOSE, 1.0 IN. ADJ ORB	2	
6	21843	FITTING – ELBOW 90° HYD	3	
7	130292	FITTING – ELBOW HYD	2	
8	30977	PLUG – HEX CW O-RING	1	
9	30970	FITTING – ELBOW 90° HYD	4	
10	21030	FITTING – CONNECTOR HYD	1	
11	30314	FITTING – ELBOW 90° HYD	1	
12	112868	O-RING – 1.296 IN. I.D. X 0.139 IN. WALL	1	
13	21830	FITTING – CONNECTOR HYD	1	
14	135647	FITTING – ELBOW HYD 4-4	2	
15	30282	FITTING – ELBOW 90° HYD	1	
16	112867	O-RING	1	
17	112853	ELBOW – 1.5 IN. HOSE, 2 IN. SPLIT FLANGE	1	
18	156085	PLATE	1	
19	134056	O-RING	1	
20	21801	FITTING – ELBOW 90° HYD	1	
21	50221	FITTING – ELBOW 90° HYD (FOR GRAY KNIFE DRIVE PUMP)		
22	15903	FITTING – CONNECTOR HYD	1	
23	110921	ARM – PINTLE WELDT	2	
24	30591	INSULATOR – RUBBER	4	
25	110922	BAR – BUSHING	4	
26	132531	SPACER	2	
27	162070	SHAFT – INTERLOCK WELDT (M100)	1	
28	25321	SPRING – EXTENSION	1	
29	109750	BUSHING – PLASTIC	2	
30	162134	SUPPORT – INTERLOCK PIVOT ARM	1	
31	183145	PLATE – REAR INTERLOCK SUPPORT	1	
32	162441	SUPPORT – SWITCH	1	
33	111763	SWITCH – PLUNGER LIMIT	1	
34	162296	VALVE – PRESSURE REDUCING	1	
	45103	SEAL KIT		
35	162297	VALVE – CHECK	1	
	163160	SEAL KIT		
36	162298	VALVE – PROPORTIONAL	1	
	163194	COIL	1	
	163176	SEAL KIT		
37	167763	FITTING – ZINC NICKEL SAE 08	1	
38	112868	O-RING	1	
39	100577	PLUG	1	

65. Refer to Section [39 Knife Drive Pump, page 97](#) for service parts.

66. Refer to Section [38 Traction Drive Gear Pump, page 93](#) for service parts.

PUMPS, NEUTRAL INTERLOCK, AND PINTLE ARMS

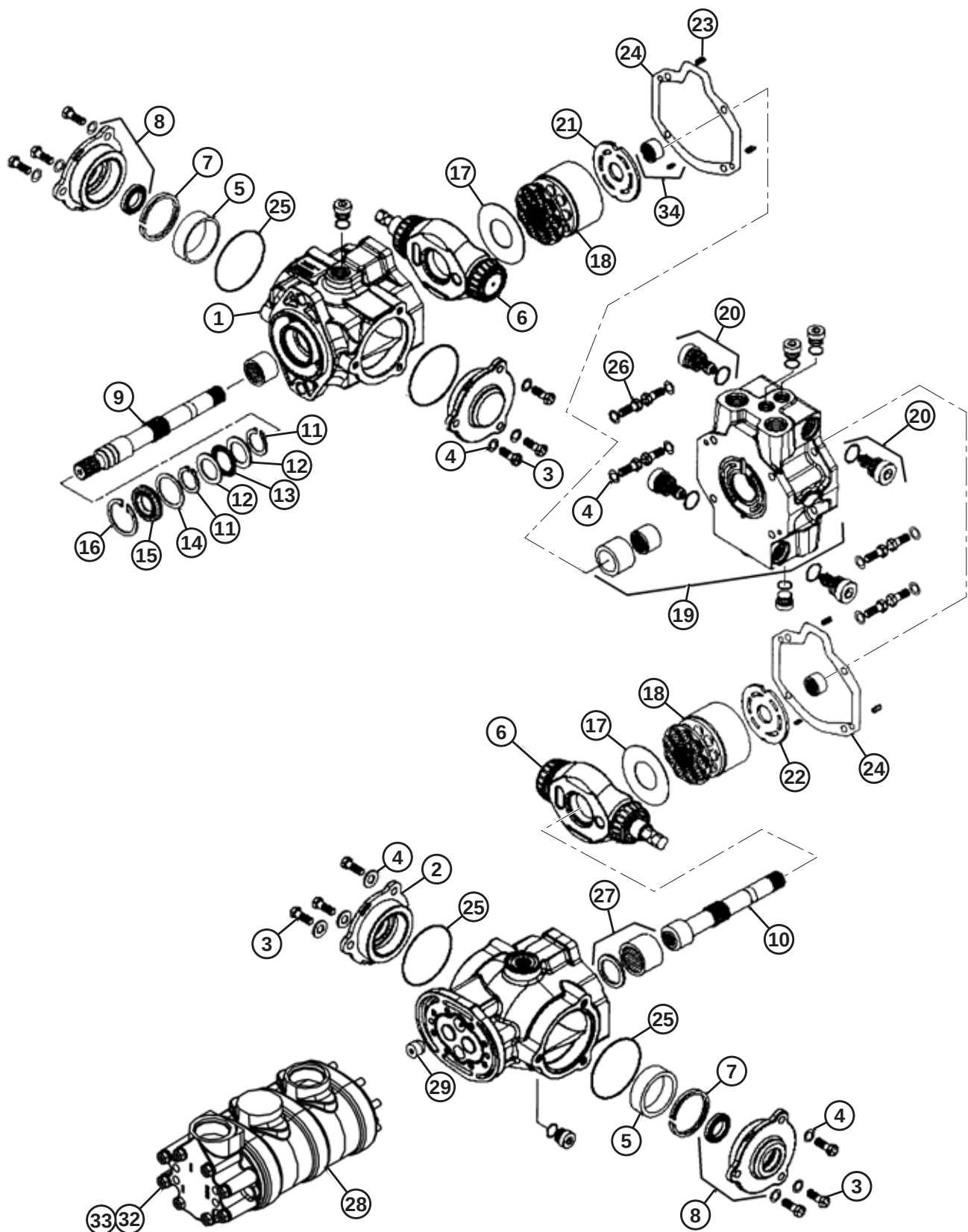


1005303

PUMPS, NEUTRAL INTERLOCK, AND PINTLE ARMS

Ref	Part Number	Description	Qty	Serial Number
40	183156	SHIM – PINTEL ENGAGE	2	
41	183157	SHIM – PUMP SUPPORT (ONE PER SIDE)	2	
42	30655	WASHER – HARDENED	1	
A	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		
B	18723	BOLT – HH 1/2 NC X 1.5 LG TFL GR 5 ZP		
C	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
D	30080	BOLT – HH 3/8 NC X 4.5 LG GR 5 ZP		
E	21471	BOLT – HH RHSN 1/2 NC X 1.25		
F	30628	BOLT – HH M10 X 1.5 X 35 LG ZP		
G	21489	BOLT – RHSN 1/2 NC X 2.5 LG GR 5 ZP		
H	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
J	50148	BOLT – RHSN 3/8 NC X 1.5 TFL GR 5 ZP		
K	21485	BOLT – RHSN 3/8 NC X 2.25 LG GR 5 ZP		
L	135542	BOLT – HH 1/2 NC X 3.0 LG GR 8 ZP		
M	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
N	50186	NUT – FLG LK SM FACE DT 0.500-13 UNC GR 5		
P	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
Q	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
R	18697	NUT – HEX LOCK DT .500-13 UNC		
S	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
T	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D. ZP		
U	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
V	137027	WASHER – HARDENED		
W	135640	WASHER – CURVED SPRING		
X	30632	WASHER – LOCK SPRING M10 ZP		
Y	18599	WASHER – FLAT, 17/32 I.D. X 1-1/16 O.D.		
Z	21491	BOLT – HH 1/2 NC X 1.25 LG GR 5 ZP		

38 Traction Drive Gear Pump



1021448

TRACTION DRIVE GEAR PUMP

NOTE:

Pump component quantities are per pump assembly.

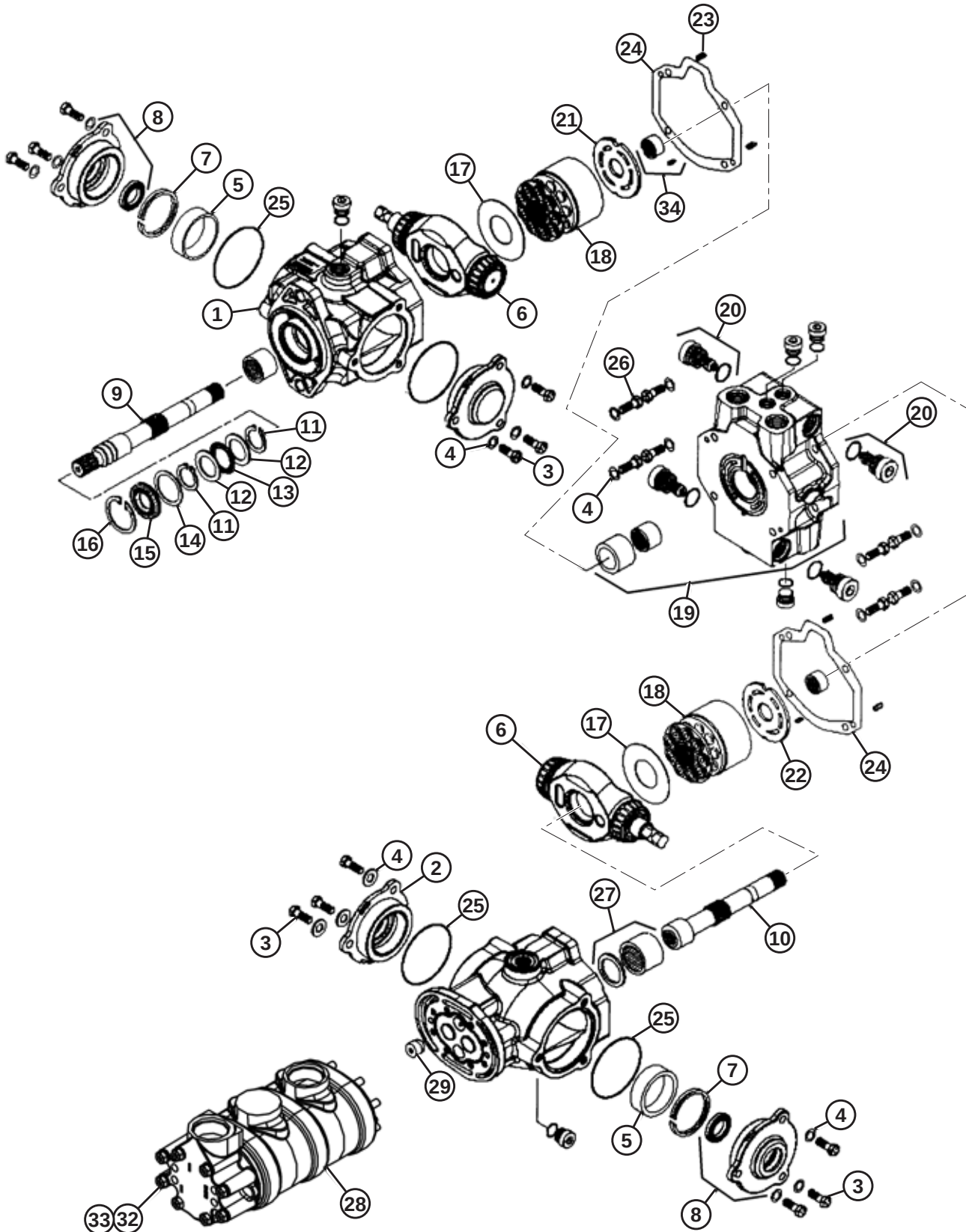
NOTE:

All parts illustrated, but not listed, are non-serviced parts and are illustrated for reference only.

Ref	Part Number	Description	Qty	Serial Number
	162391	PUMP – TRACTION GEAR	1	
	49861	SEAL KIT ⁶⁷		
1	NSS	HOUSING – SUB ASSEMBLY	1	
2	49785	PLATE – COVER SUB ASSEMBLY	2	
3	49786	SCREW – CAP	12	
4	49787	WASHER	20	
5	49788	CUP – BEARING	2	
6	162393	CAMPLATE – SHAFT, DRIVE REAR	1	
	162393	CAMPLATE – SHAFT, DRIVE FRONT	1	
7	167346	KIT – SHIM	2	
8	49791	PLATE – COVER, SUB ASSEMBLY	2	
	50218	SEAL – FOR COVER PLATE	2	
9	49792	SHAFT – DRIVE, FRONT	1	
10	49858	SHAFT – DRIVE, REAR	1	
11	30144	RING – RETAINING	2	
12	30140	RACE – THRUST	2	
13	30141	BEARING –THRUST	1	
14	49794	WASHER	1	
15	50217	SEAL – SHAFT, VITON	1	
16	18900	RING – RETAINING	1	
17	49795	INSERT – CAM PLATE	2	
18	49796	KIT – ROTATING SUB-ASSEMBLY	2	
19	NSS	MANIFOLD – CENTRE SUB-ASSEMBLY	1	
20	49798	VALVE – RELIEF SUB-ASSEMBLY	4	
21	49799	PLATE – VALVE RH FRONT	1	
22	49800	PLATE – VALVE RH REAR	1	
23	49801	PIN – DOWEL	4	
24	30138	GASKET – HOUSING FRONT AND REAR	2	
25	49802	O-RING	4	
26	49786	SCREW – CAP	8	
27	NSS	HOUSING – SUB ASSEMBLY (REAR)	1	
28	162225	PUMP – TRIPLE GEAR	1	
	162307	SEAL KIT		
29	49806	PLUG	1	
30	NSS	LABEL – IDENTIFICATION (NOT ILLUSTRATED)	1	
31	49808	PLUG – SUB ASSEMBLY (NOT ILLUSTRATED)	1	
32	162306	SCREW – CAP, TRIPLE GEAR PUMP	8	

67. Includes seals (MD #50218), retaining rings (MD #30144), shaft seal (MD #50217), retaining ring (MD #18900), gaskets (MD #30138), and O-rings (MD #49802).

TRACTION DRIVE GEAR PUMP

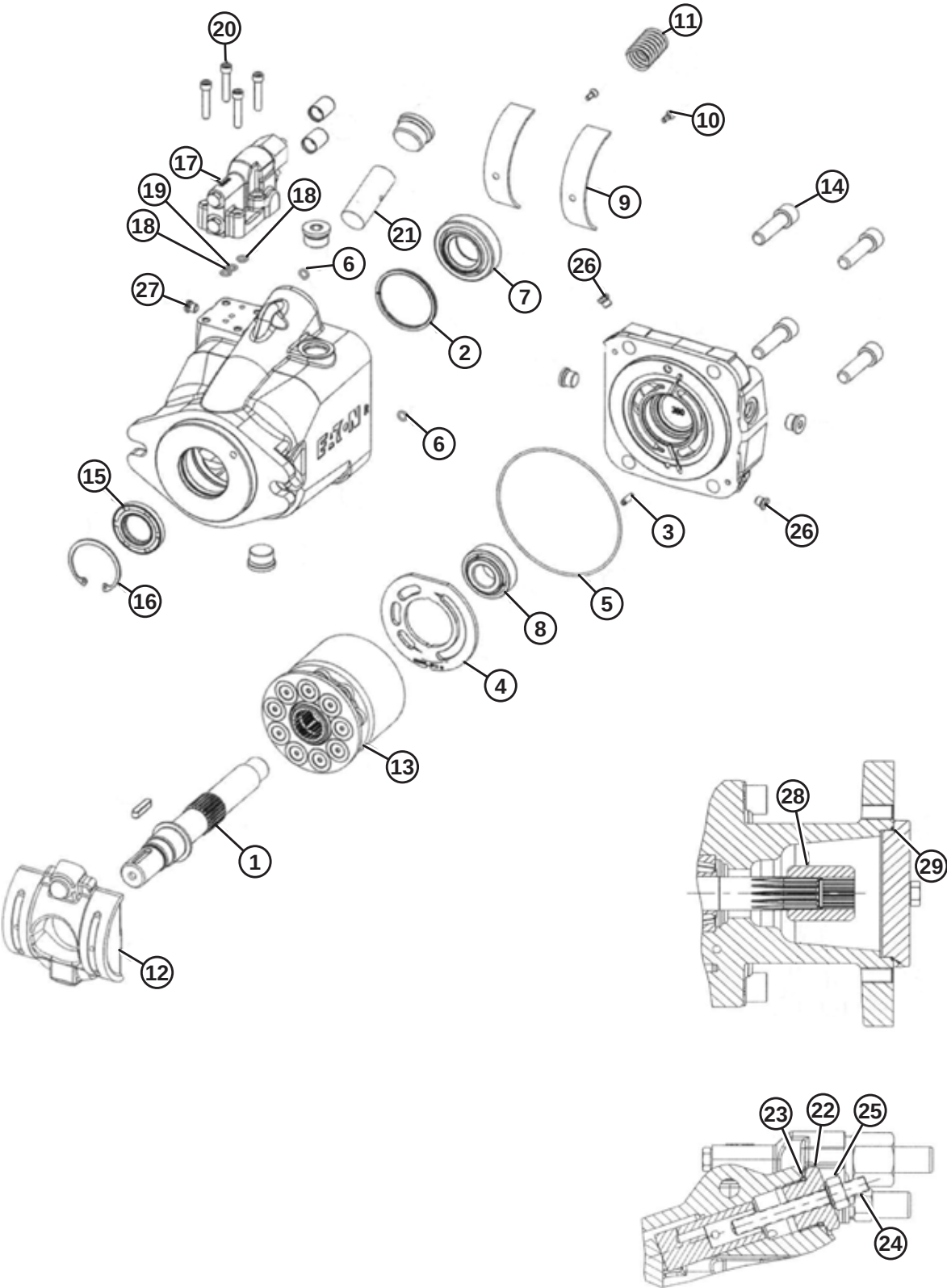


1021448

TRACTION DRIVE GEAR PUMP

Ref	Part Number	Description	Qty	Serial Number
33	49827	WASHER – FLAT, TRIPLE GEAR PUMP	8	
34	30104	COUPLING – SHAFT	1	

39 Knife Drive Pump



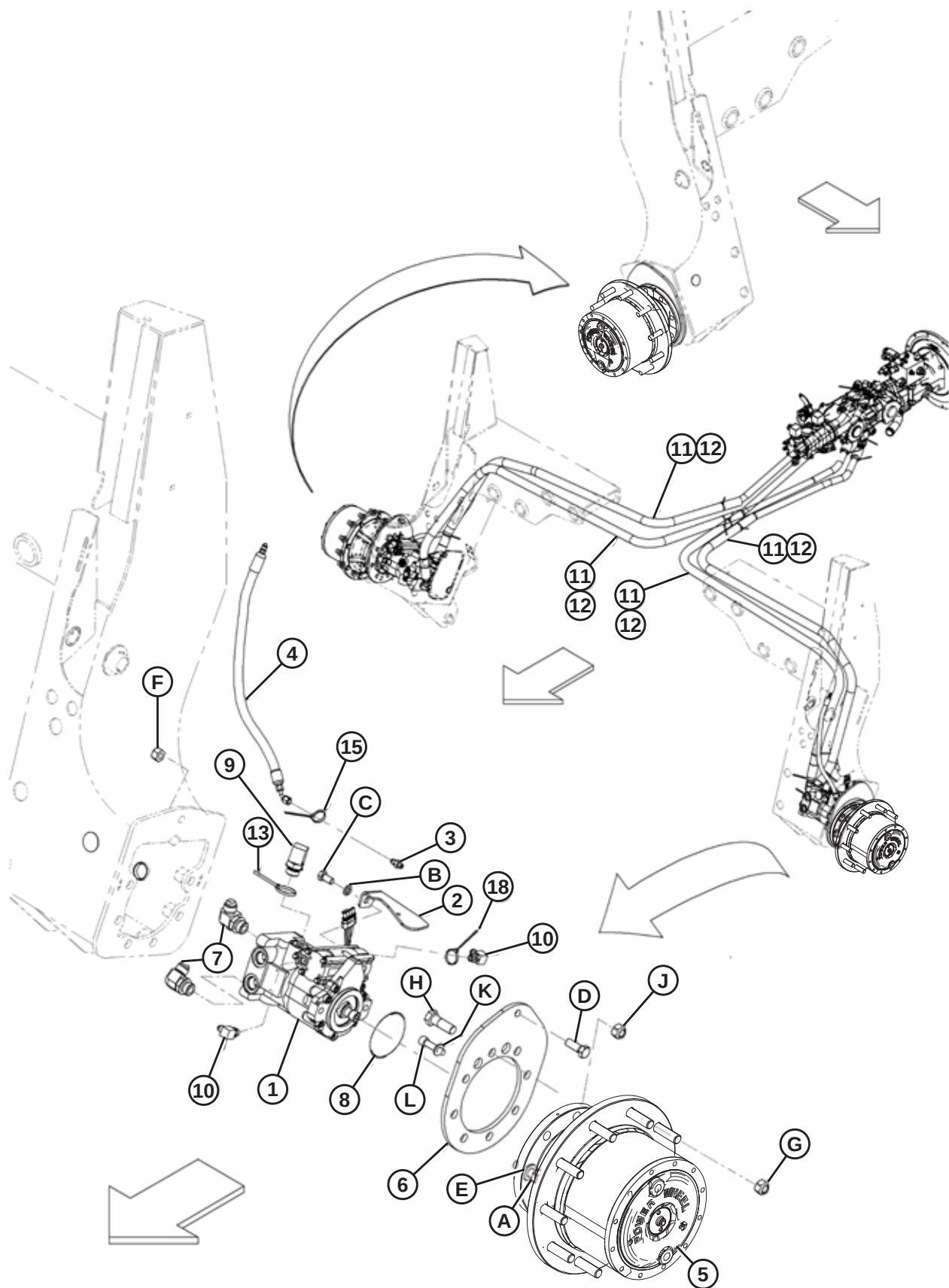
KNIFE DRIVE PUMP

NOTE:

All parts illustrated, but not listed, are non-serviced parts and are illustrated for reference only.

Ref	Part Number	Description	Qty	Serial Number
	162390	SEAL KIT – FOR KNIFE DRIVE PUMP (NOT SHOWN)	1	
1	162308	SHAFT – DRIVE INPUT 14T, DUAL SEAL, 26T OUT	1	
2	167347	KIT – SHIM	1	
3	162310	PIN – ROLL (VALVE PLATE)	1	
4	162311	PLATE – VALVE (RH)	1	
5	162312	O-RING (ENDCOVER PILOT) O	1	
6	162313	O-RING (ENDCOVER/HOUSING) O	2	
7	162314	ASSY – BEARING, SHAFT (FRONT)	1	
8	162315	ASSY – BEARING, SHAFT (REAR)	1	
9	162316	BEARING – SWASHPLATE	2	
10	162317	SCREW – CAP, SOCKET, FLAT, CSK (SWASH BEARING)	2	
11	162318	SPRING – BIAS	1	
12	162319	PLATE – SWASH	1	
13	162320	GROUP – ROTATING S/A (49CC)	1	
14	162321	SCREW – CAP (HOUSING/ENDCOVER)	4	
15	162322	SEAL – SHAFT, FLUOROCARBON O	1	
16	18900	RING – RETAINING, INTERNAL	1	
17	162385	COMPENSATOR – S/A, BLEED OFF	1	
18	162386	O-RING – COMPENSATOR, GREY PUMP	1	
19	162387	O-RING – COMPENSATOR, GREY PUMP	1	
20	162388	SCREW – CAP (COMPENSATOR MOUNTING)	1	
21	162389	PISTON – CONTROL, GREY PUMP	1	
22	162327	PLUG – EXTERNAL MANUAL STROKE ADJUSTER X	1	
23	162328	O-RING – DISPLACEMENT ADJUSTER/LIMITER OX	1	
24	162329	SCREW – SET (EXT. MANUAL STROKE ADJUSTER) X	1	
25	162330	NUT – SEALING (EXT. MAN STROKE ADJ.) X	1	
26	162331	PLUG (ENDCOVER)	2	
27	162331	PLUG (HOUSING)	1	
28	162332	COUPLER – 26/15 TOOTH	1	
29	162333	O-RING – B AUX. (REAR) MOUNT	1	

40 Wheel Drive Assembly – Bolted Frame



1009958

WHEEL DRIVE ASSEMBLY – BOLTED FRAME

Ref	Part Number	Description	Qty	Serial Number
1	162241	MOTOR – WITH SPEED SENSOR	1	
	162230	MOTOR – WITHOUT SPEED SENSOR	1	
2	162237	GUARD – SENSOR	1	
3	112184	FITTING – ADAPTER HYD	2	
4	111693	HOSE – HYDRAULIC	2	
5	167465	DRIVE – WHEEL AUBURN 41.42:1 (10 BOLT) ⁶⁸	2	244010–
	183367	DRIVE – WHEEL AUBURN 41.42:1 (8 BOLT) ⁶⁹	2	–244009
6	111266	PLATE – WHEEL DRIVE	2	
7	30970	FITTING – ELBOW 90° HYD	4	
8	30045	O-RING	2	
9	135641	FITTING – ELBOW 90° HYD	2	
10	30282	FITTING – ELBOW 90° HYD	4	
11	162085	HOSE – HYD	4	
12	112939	SLEEVE – TRACTION HOSE	4	
13	49227	FASTENER – CABLE TIE (GREEN)	5	
14	40701	FASTENER – CABLE TIE (YELLOW) ⁷⁰	3	
15	21763	FASTENER – CABLE TIE (BLACK)	9	
16	40702	FASTENER – CABLE TIE (RED) ⁷⁰	3	
17	49232	FASTENER – CABLE TIE (WHITE) ⁷⁰	3	
18	135266	FASTENER – CABLE TIE (LIGHT BLUE)	2	
A	112128	BOLT – HEX HD .750-11 UNF X 2.75		
B	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
C	21575	BOLT – HH 1/2 NC X 1.0 LG GR 5 ZP		
D	21582	BOLT – HH 5/8 NC X 1.75 LG GR 5 ZP		
E	112130	WASHER – HARDENED		
F	18666	NUT – HEX LOCK DT 5/8-11 UNC ZP		
G	REF	DRIVE WHEEL HARDWARE (10 BOLT) ⁷¹		244010–
	REF	DRIVE WHEEL HARDWARE (8 BOLT) ⁷²		–244009
H	136016	BOLT – HEX HD 3/4-10 UNC X 2.25 IN. LG		
J	18689	NUT – HEX LOCK DT .750-10 UNC		
K	136027	WASHER – HARDENED		
L	252668	SCREW – HEX SOC HD 1/2-13 X 2.0-GR8-AC0C		

68. For repair parts, refer to Section *43 Drive Wheel – Auburn Gear 41.42:1 (10 Bolt)*, page 107.

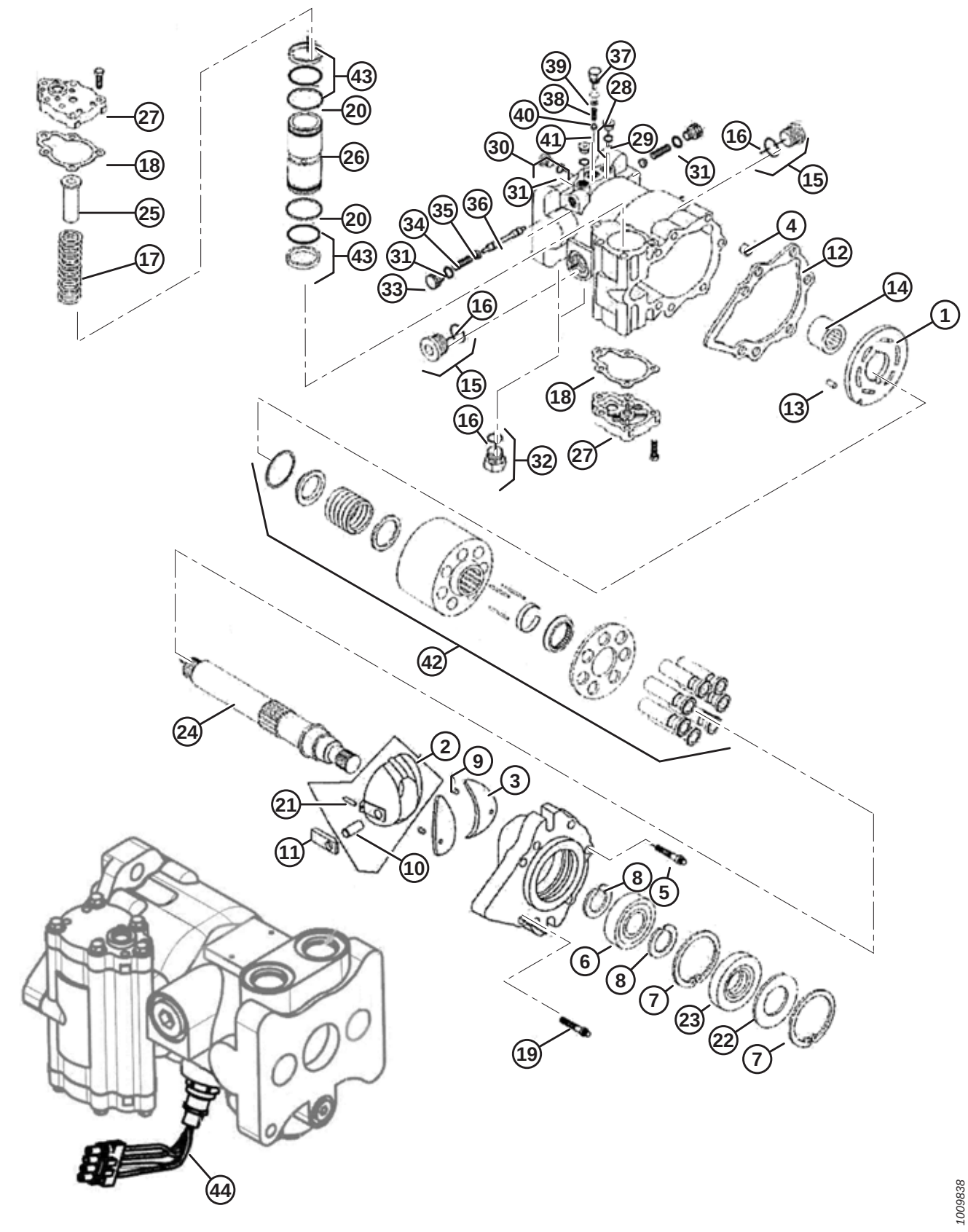
69. For repair parts, refer to Section *42 Drive Wheel – Auburn Gear 41.42:1 (8 Bolt)*, page 105.

70. Located at pump.

71. Refer to Section *11 Drive Wheels and Tires – Ten Bolt*, page 21.

72. Refer to Section *10 Drive Wheels and Tires – Eight Bolt*, page 19.

41 Drive Wheel Motor

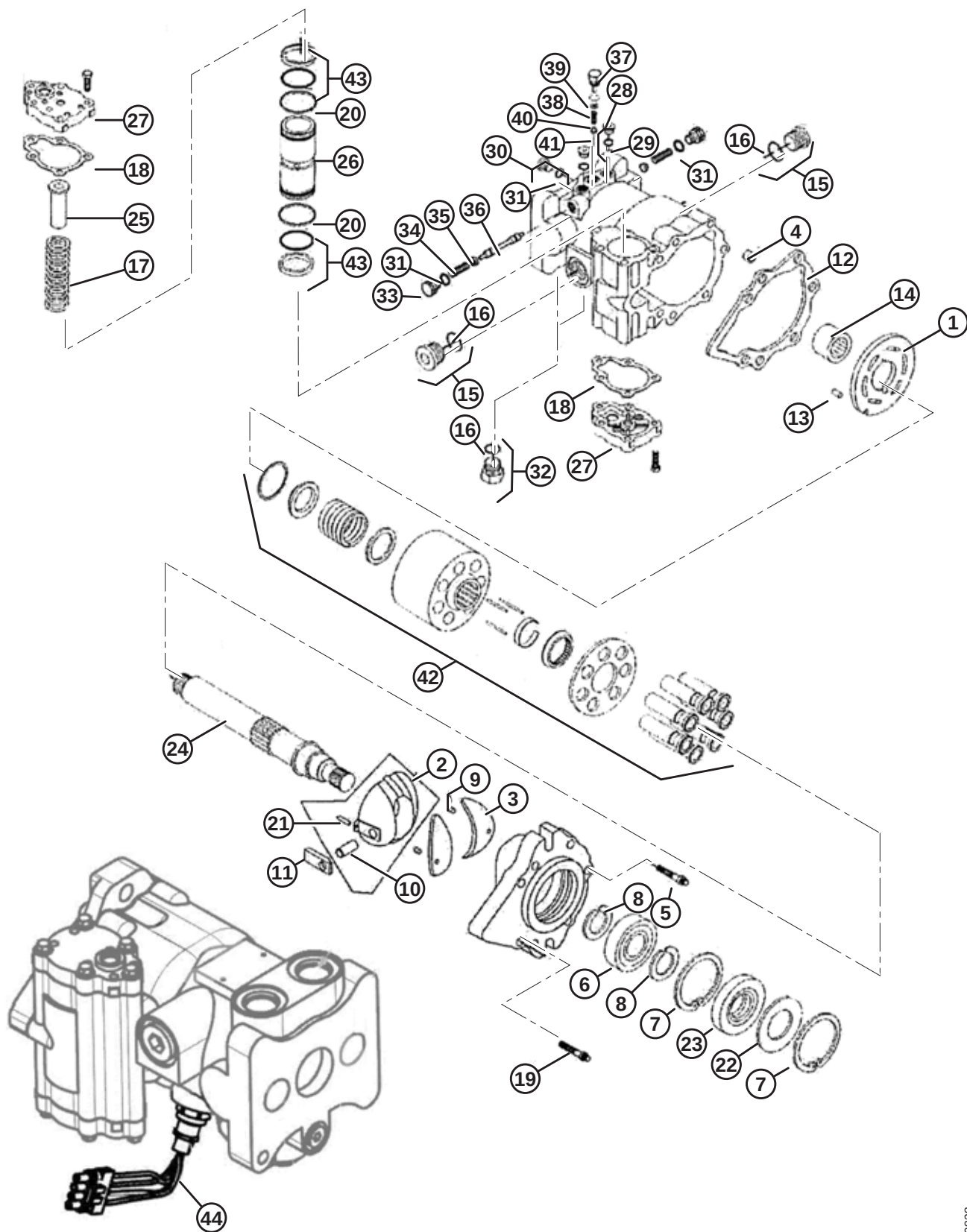


1009838

DRIVE WHEEL MOTOR

Ref	Part Number	Description	Qty	Serial Number
	162241	MOTOR – WHEEL, WITH SPEED SENSOR		
	162230	MOTOR – WHEEL, WITHOUT SPEED SENSOR		
1	49729	COLLAR – FLOW CONTROL	1	
2	49730	ASSEMBLY – SWASHPLATE	1	
3	49731	BEARING – JOURNAL	2	
4	NSS	PIN – SPRING	1	
5	49733	SCREW	1	
6	49734	BEARING – BALL	1	
7	49735	RING	2	
8	111897	RING – RETAINING	2	
9	49737	PIN – SPRING	2	
10	49738	PIN	1	
11	49739	SLEEVE – BEARING	1	
12	49740	GASKET – FRONT COVER	1	
13	NSS	PIN – STRAIGHT	1	
14	49742	BEARING – NEEDLE	1	
15	49743	PLUG	2	
16	30971	O-RING	4	
17	49745	SPRING – SERVO	2	
18	49746	GASKET – SERVO	2	
19	49747	BOLT – HEX HD	6	
20	49748	RING – BEARING	2	
21	49749	PIN – SLOTTED	1	
22	49750	WASHER – SUPPORT	1	
23	279003	SEAL – LIP	1	
24	49752	SHAFT – 13 TOOTH, SPLINED	1	
25	162334	STOP	1	
26	49755	PISTON – SERVO ASSY	1	
27	49756	COVER – SERVO	2	
28	49757	PLUG	2	
29	50223	O-RING – 1.83 X 8.92	2	
30	49759	PLUG	1	
31	50219	O-RING – 1.98 X 11.89	2	
32	49761	PLUG	2	
33	49763	PLUG	2	
34	49764	SPRING – COMPRESSION	2	
35	49762	GUIDE – SPRING	2	
36	49765	SPINDLE – SHUTTLE	1	
37	49766	PLUG	1	
38	49767	KIT – SHIM	1	
39	44210	O-RING – 2.46 X 19.18	1	
40	49769	SPRING – COMPRESSION	1	
41	49770	GUIDE – SPRING	1	

DRIVE WHEEL MOTOR



1009838

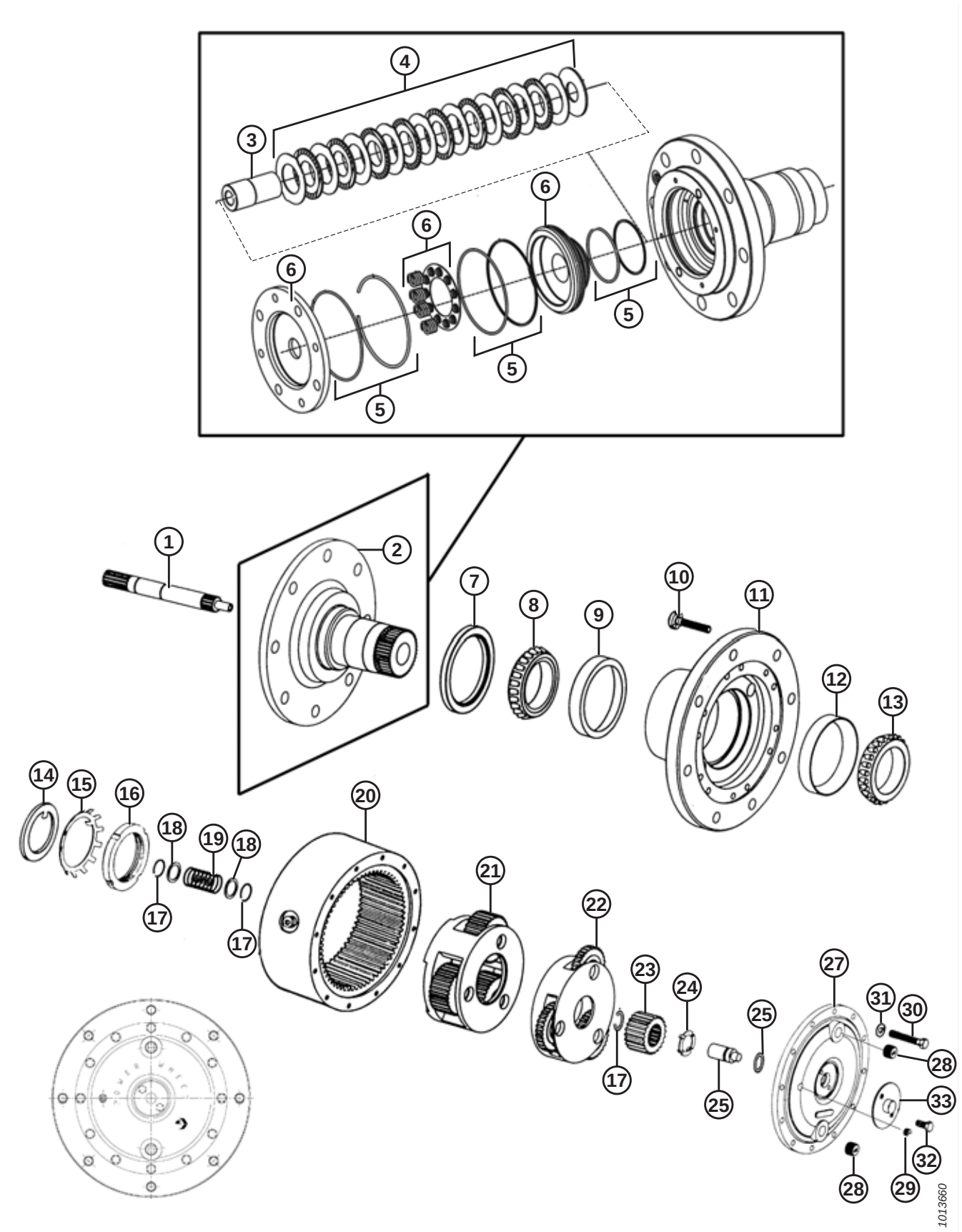
DRIVE WHEEL MOTOR

Ref	Part Number	Description	Qty	Serial Number
42	49771	CYLINDER – ROTATING GROUP ⁷³	1	
	162335	ASSEMBLY – CYLINDER BLOCK W/SPEED RING ⁷⁴	1	
43	49782	KIT – PISTON RING	1	
44	162266	SENSOR – SPEED	1	

73. For motor without speed sensor (MD #162230).

74. For motor with speed sensor (MD #162241).

42 Drive Wheel – Auburn Gear 41.42:1 (8 Bolt)



DRIVE WHEEL – AUBURN GEAR 41.42:1 (8 BOLT)

NOTE:

Quantities listed are per drive assembly.

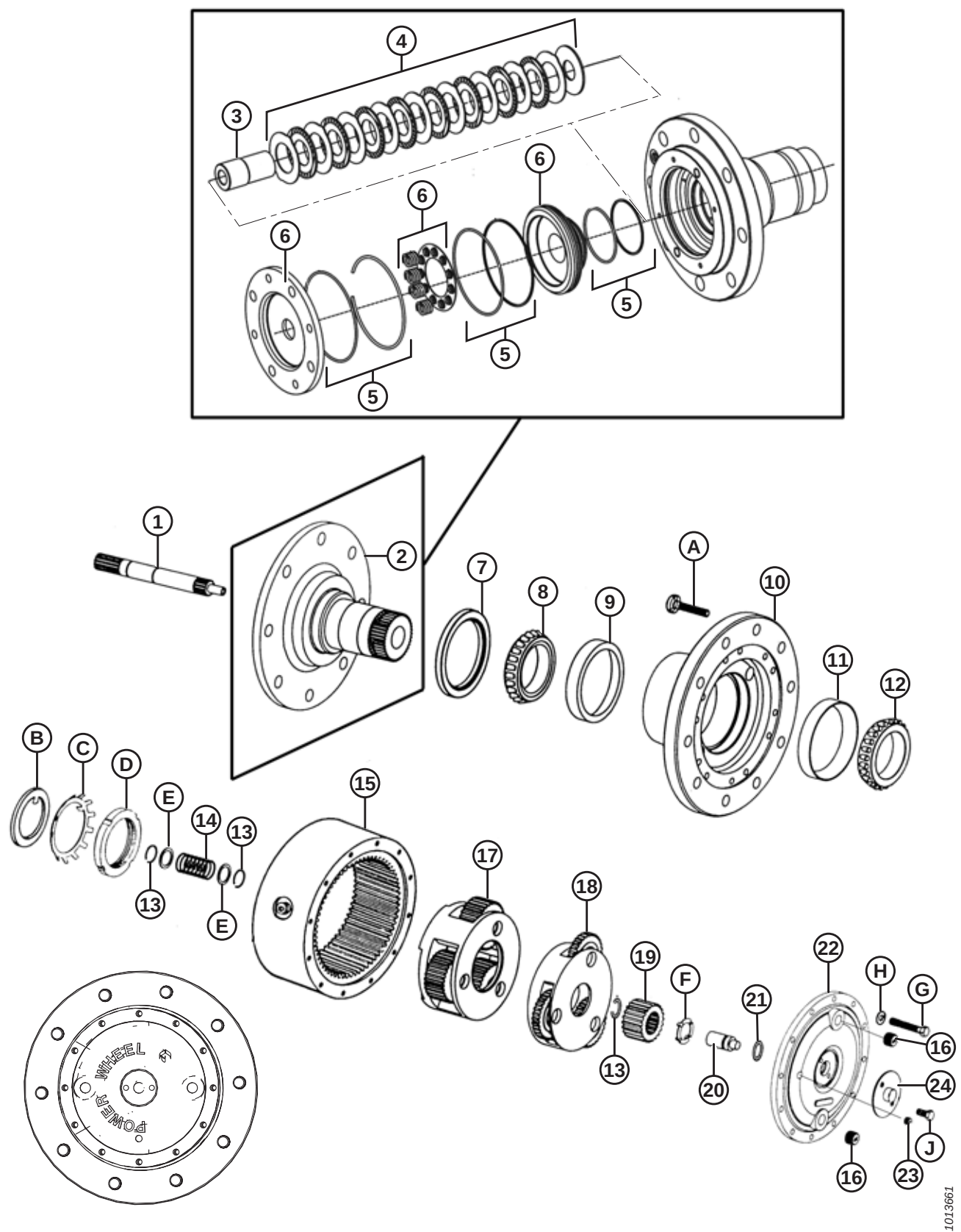
NOTE:

Identify the proper manufacturer and bolt configuration for your particular wheel drive.

Ref	Part Number	Description	Qty	Serial Number
	183367	DRIVE WHEEL – COMPLETE		
	162390	SEAL KIT		
1	162246	SHAFT – INPUT	1	
2	183368	SPINDLE – ASSEMBLY ⁷⁵	1	
3	166175	COUPLER – SPINDLE	1	
4	183365	KIT – FRICTION DISK	1	
5	163756	SEAL KIT – POWER WHEEL BRAKE	1	
6	183370	KIT – PISTON/END PLATE/SPRINGS	1	
7	163753	SEAL – OIL	1	
8	163752	BEARING – CONE	1	
9	163751	BEARING – CUP	1	
10	49880	BOLT – WHEEL (PRESS-IN) 5/8 NF X 60 LG	8	
11	163748	HUB	1	
12	163750	BEARING – CUP	1	
13	163749	BEARING – CONE	1	
14	163747	WASHER – THRUST	1	
15	163746	WASHER – EXT. TOOTH LOCK	1	
16	163745	NUT – BEARING LOCK	1	
17	49872	RING – RETAINING	3	
18	49867	WASHER – THRUST	2	
19	49866	SPRING – DISENGAGE	1	
20	163738	GEAR – RING	1	
21	166173	CARRIER ASSEMBLY – SECONDARY	1	
22	166172	CARRIER ASSEMBLY – PRIMARY	1	
23	162245	GEAR – SUN PRIMARY	1	
24	30200	WASHER – THRUST	1	
25	111093	SHAFT – DISENGAGE PLUNGER	1	
26	111105	O-RING (4 LOBED)	1	
27	49874	COVER – LARGE	1	
28	30203	PLUG – MAGNETIC PIPE SQ SOCKET	2	
29	50231	PLUG – PIPE DRYSEAL 0.25 NPT	2	
30	49879	BOLT – HEX HD	12	
31	30191	WASHER – HARDENED	12	
32	111099	BOLT – HEX HD 5/16 NC X 0.5 LG GR 5 ZP	2	
33	30205	COVER – DISENGAGE	1	

75. Includes items #3–6.

43 Drive Wheel – Auburn Gear 41.42:1 (10 Bolt)



DRIVE WHEEL – AUBURN GEAR 41.42:1 (10 BOLT)

NOTE:

Quantities listed are per drive assembly.

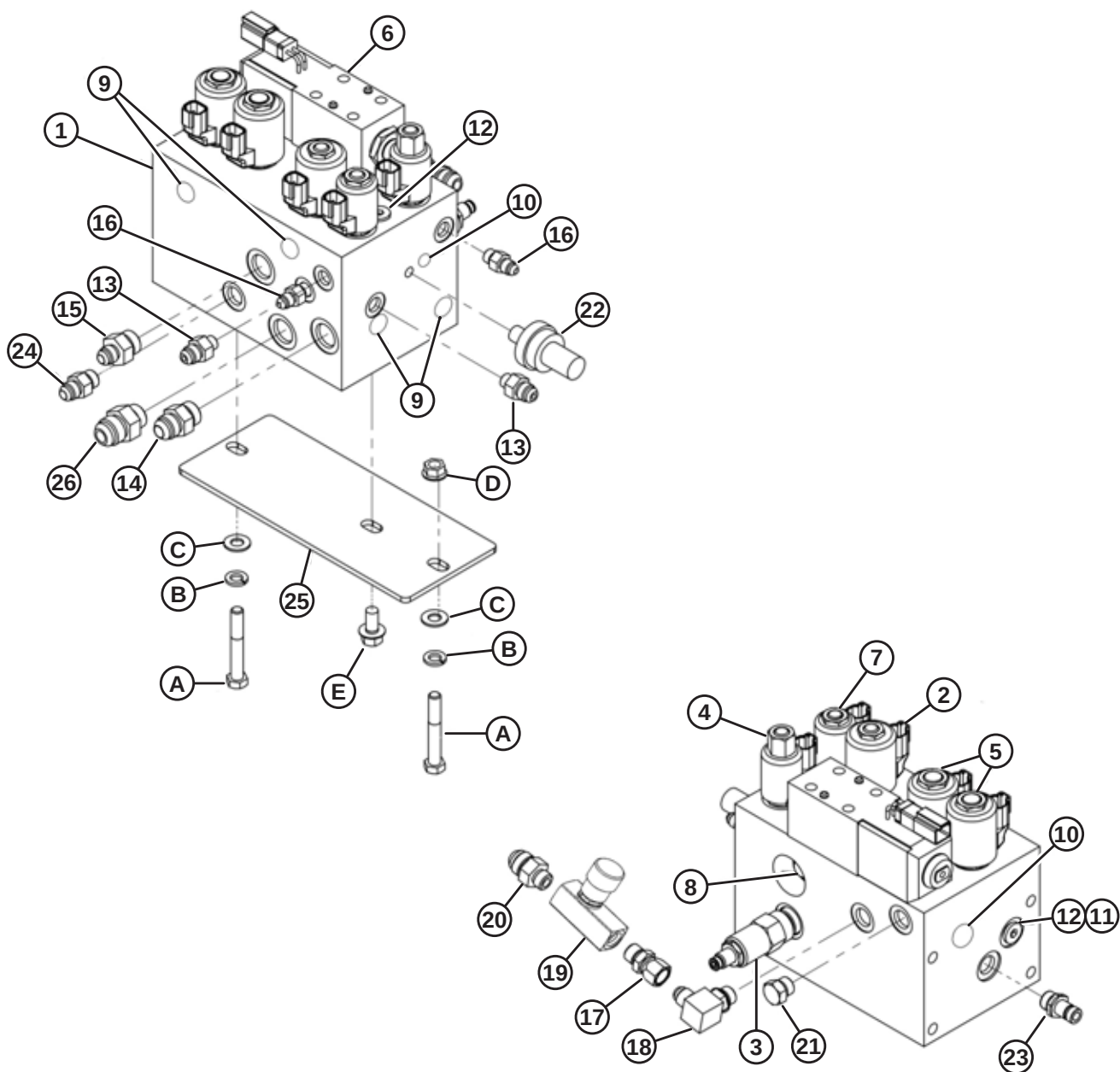
NOTE:

Identify the proper manufacturer and bolt configuration for your particular wheel drive.

Ref	Part Number	Description	Qty	Serial Number
	167465	DRIVE WHEEL – AUBURN 41.42:1 10 BOLT (COMPLETE)		
1	162246	SHAFT – INPUT	1	
2	183368	SPINDLE – ASSEMBLY ⁷⁶	1	
3	166175	COUPLER – SPINDLE	1	
4	183365	KIT – FRICTION DISK		
5	163756	SEAL KIT – POWER WHEEL BRAKE		
6	183370	KIT – PISTON/END PLATE/SPRINGS	1	
7	163753	SEAL – OIL	1	
8	163752	BEARING – CONE	1	
9	163751	BEARING – CUP	1	
10	166694	HUB – 10 BOLT M20	1	
11	163750	BEARING – CUP	1	
12	163749	BEARING – CONE	1	
13	49872	RING – RETAINING	3	
14	49866	SPRING – DISENGAGE	1	
15	163738	GEAR – RING	1	
16	30203	PLUG – MAGNETIC PIPE SQ SOCKET	2	
17	166173	CARRIER ASSEMBLY – SECONDARY	1	
18	166172	CARRIER ASSEMBLY – PRIMARY	1	
19	162245	GEAR – PRIMARY	1	
20	111093	SHAFT – DISENGAGE PLUNGER	1	
21	111105	O-RING (4 LOBED)	1	
22	49874	COVER – LARGE	1	
23	50231	PLUG – PIPE DRY SEAL 0.25 NPT	1	
24	30205	COVER – DISENGAGE	1	
A	205188	BOLT – WHEEL (PRESS-IN) M20 X 82 MM LG		
B	163747	WASHER – THRUST		
C	163746	WASHER – LOCK		
D	163745	NUT – BEARING		
E	49867	WASHER – THRUST		
F	30200	WASHER – THRUST		
G	49879	BOLT – HEX HD		
H	30191	WASHER – FLAT		
J	111099	BOLT – HEX HD 5/16 NC X 0.5 LG GR 5 ZP		

76. Includes items #3–6.

44 Header Lift Manifold

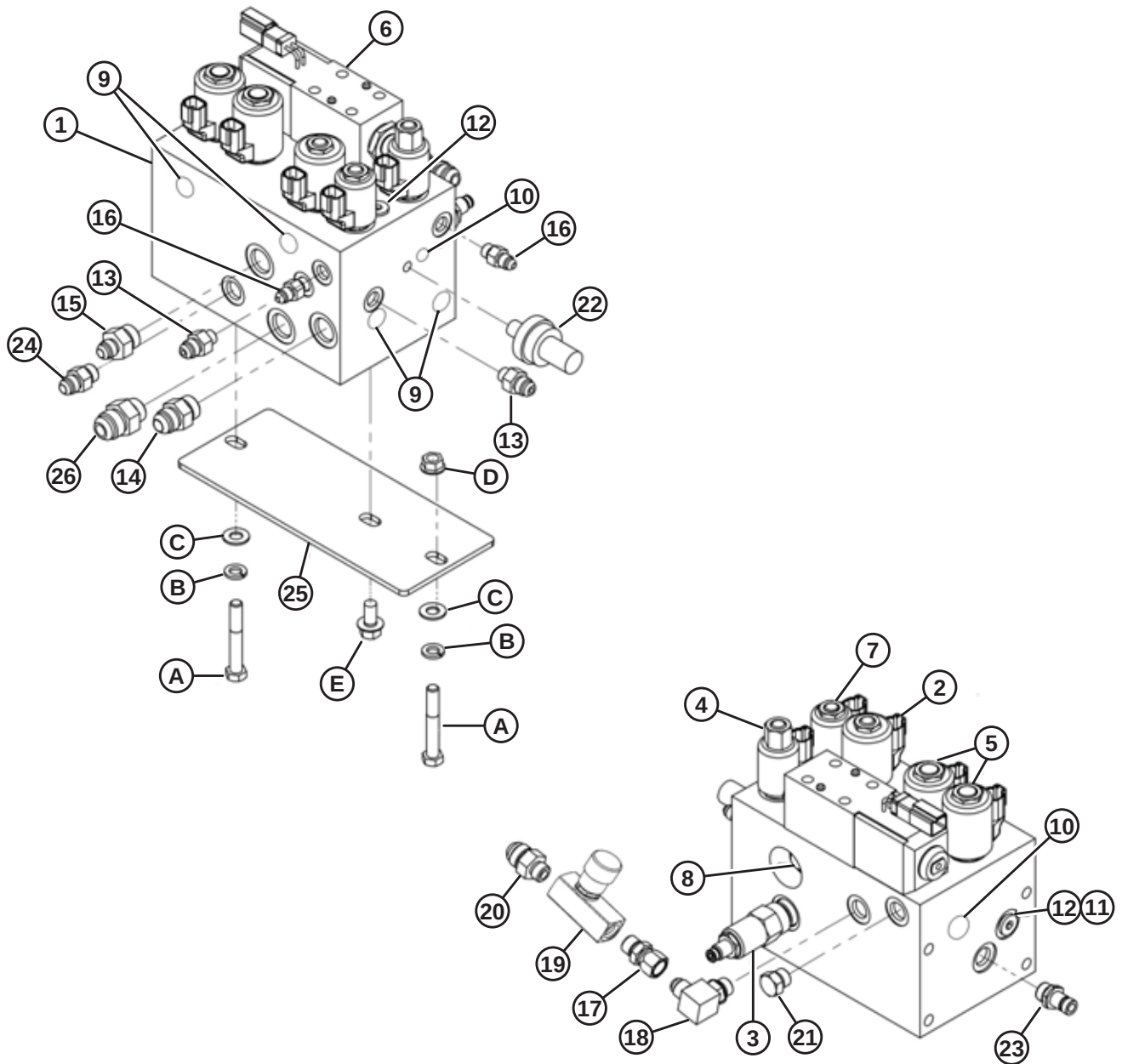


HEADER LIFT MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
1	183815	HEADER LIFT MANIFOLD ⁷⁷	1	
2	163141	VALVE – SOLENOID (PV1)	1	
	163155	COIL – SOLENOID		
	49844	SEAL KT		
	163189	NUT – COIL		
3	183699	VALVE – CARTRIDGE, RELIEF	1	
	220908	SEAL KIT		
4	49842	VALVE – SOLENOID (PV3)	1	
	163153	COIL – TOUGH		
	49844	SEAL KIT		
	163189	NUT – COIL		
5	163143	VALVE – SOLENOID (PV4A, PV4B)	2	
	163154	COIL – SOLENOID		
	163160	SEAL KIT		
	163191	NUT – COIL		
6	163145	CONTROL – DIRECTIONAL	1	
	163192	NUT – COIL	1	
	163162	SEAL KIT		
	163148	KIT – BOLT	1	
7	49848	VALVE – SOLENOID (PV5B)	1	
	163153	COIL – SOLENOID		
	49844	SEAL KIT		
	163190	NUT – COIL		
8	163150	VALVE – CHECK	1	
9	163149	FITTING – ZERO LEAK GOLD, 1/2-20	6	
10	163158	FITTING – ZERO LEAK GOLD, 7/16-20	2	
11	163151	PLUG – ORIFICE	1	
12	100577	SAE PLUG	3	
	50219	O-RING – 1.98 X 11.89		
13	100790	FITTING – ADAPTER HYD (MS, MS2)	2	
	50223	O-RING – 1.83 X 8.92		
14	21030	FITTING – CONNECTOR HYD (T1)	1	
	44209	O-RING – 2.21 X 16.36		
15	21804	FITTING – CONNECTOR HYD (E)	1	
	44209	O-RING – 2.21 X 16.36		
16	112184	FITTING – ADAPTER HYD (P2, BR)	2	
	50223	O-RING – 1.83 X 8.92		
17	135015	FITTING – ADAPTER HYD	1	
18	30282	FITTING – ELBOW 90° HYD (F)	1	
19	112934	VALVE	1	–244009
	183211	VALVE (MODEL YEAR 2014)	1	244010–
20	21031	FITTING – CONNECTOR HYD	1	
	50219	O-RING – 1.98 X 11.89		

77. Includes items #2–12.

HEADER LIFT MANIFOLD

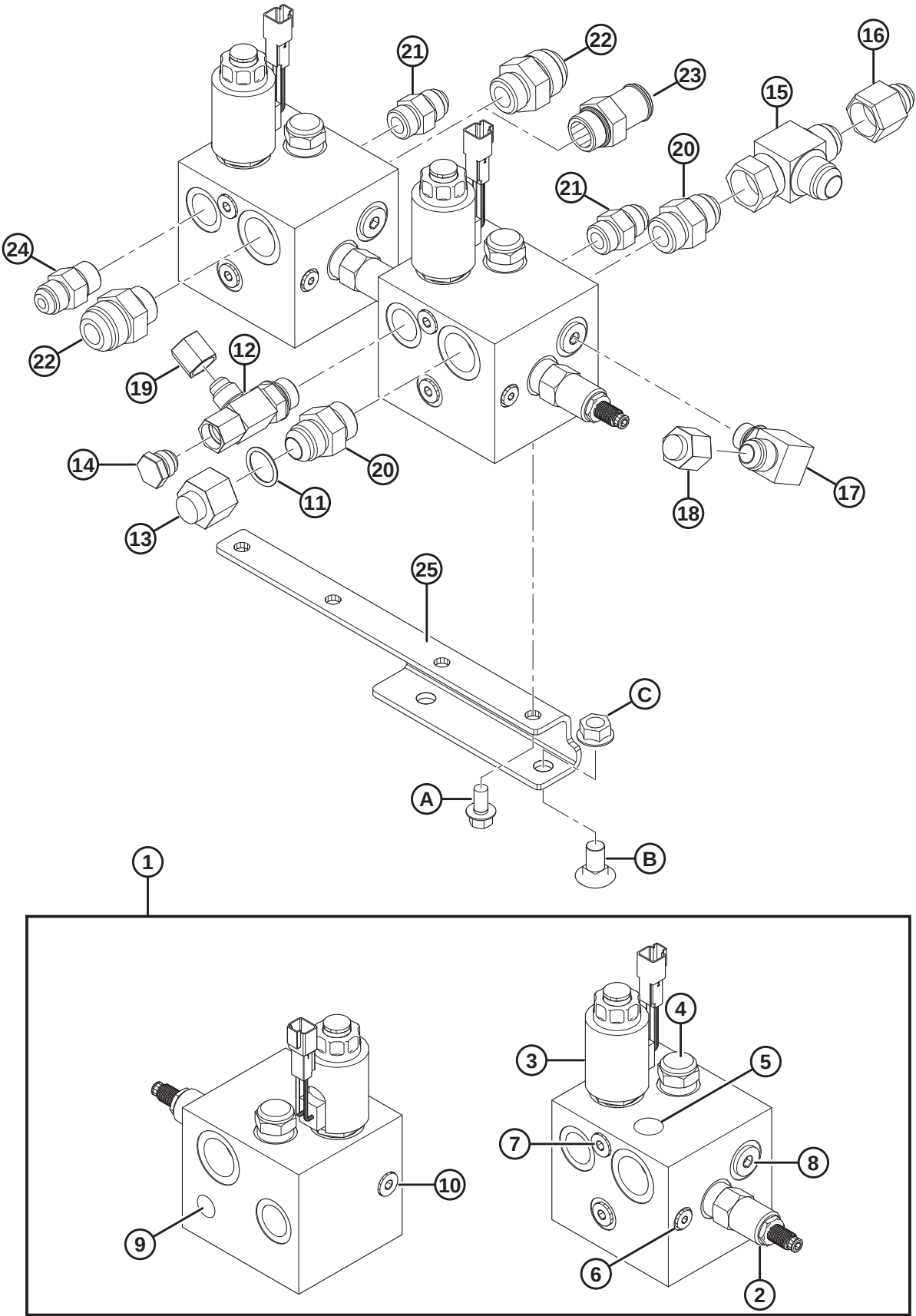


1040006

HEADER LIFT MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
21	30994	FITTING – PLUG HYD - 6 ORB HEX HD	1	
	50219	O-RING – 1.98 X 11.89		
22	167273	SWITCH – HEADER SUPERCHARGE/BRAKE (PS1)	1	
23	135587	FITTING – COUPLING HYD, TEST PORT (T)	1	
	50219	O-RING – 1.98 X 11.89		
24	15903	FITTING – CONNECTOR HYD (T2)	1	
	50219	O-RING – 1.98 X 11.89		
25	163937	SUPPORT – LIFT VALVE BLOCK	1	
26	21747	FITTING – ADAPTER HYDRAULIC (P1)	1	
	44209	O-RING – 2.21 X 16.36		
A	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
B	18637	WASHER – REG. LOCK 3/8 IN. NOM. I.D. ZP		
C	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
D	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
E	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		

45 Header Drive Manifolds



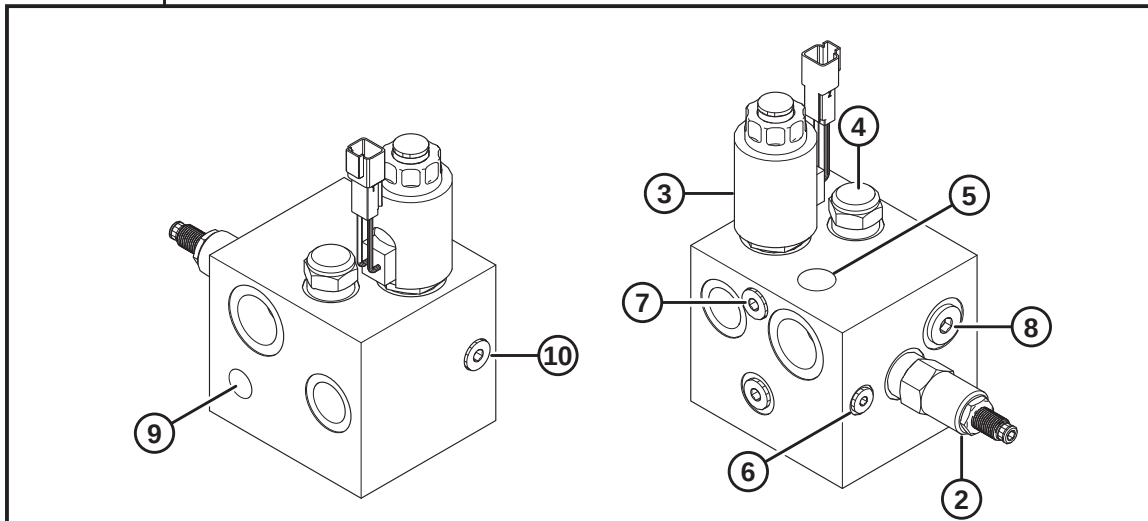
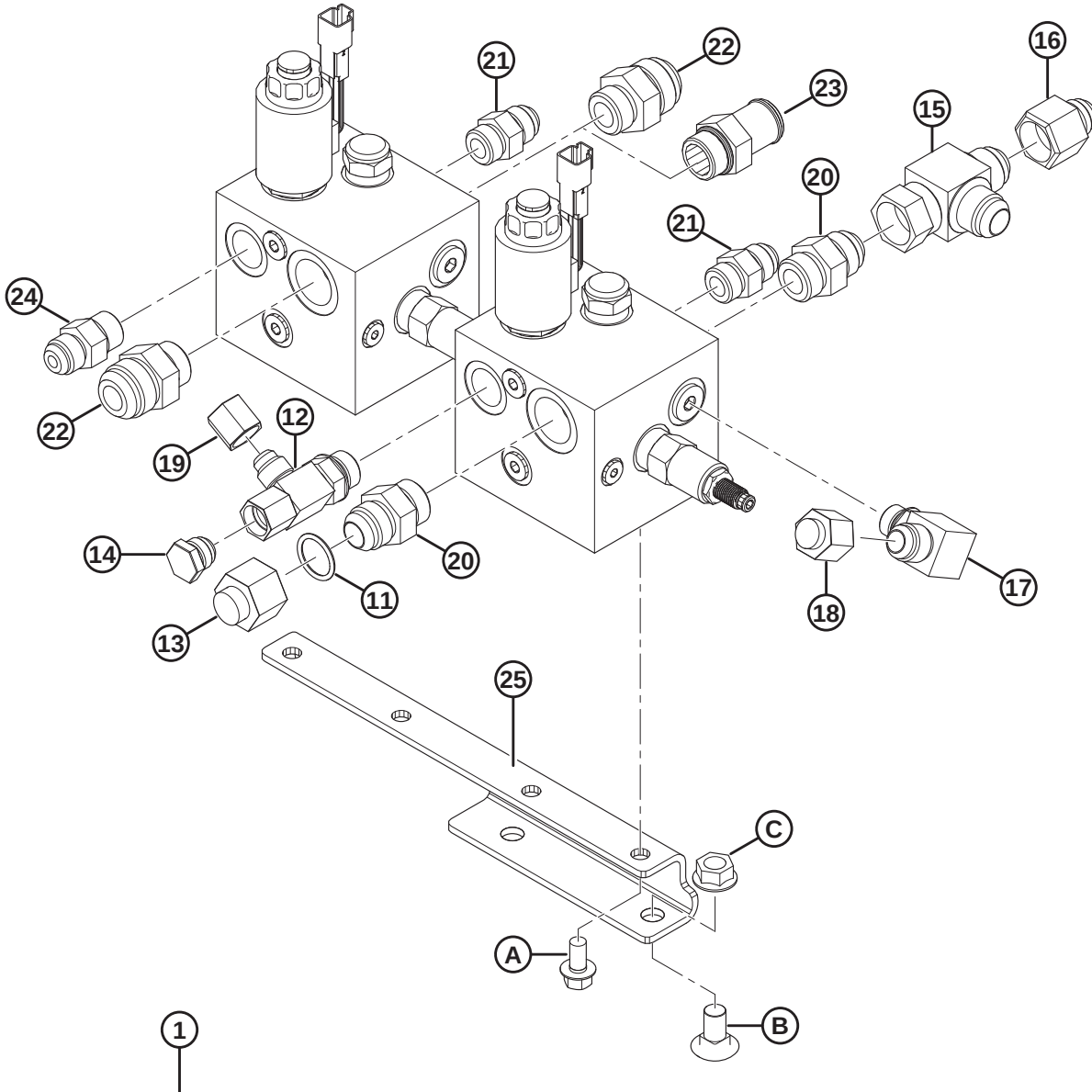
HEADER DRIVE MANIFOLDS

Ref	Part Number	Description	Qty	Serial Number
1	139508	MANIFOLD – HEADER DRIVE	2	
	49846	SEAL KIT		
2	139542	VALVE – RELIEF	2	
3	163166	CONTROL – PROPORTIONAL FLOW (PV7A, PV7B)	2	
	163173	COIL – ASSEMBLY		
	163178	SEAL KIT		
	163195	NUT – SPECIAL		
4	162283	VALVE – DIFF PRESS SENSING	2	
	162284	SEAL KIT – #10 3 WAY-SHORT		
5	167763	FITTING – ZINC NICKEL SAE-08	4	
6	163167	KIT – SENSE CHECK	2	
7	163168	PLUG – ORIFICE	2	
8	158174	FITTING – PLUG HYD 8 ORB HEX SOC	2	
	44209	O-RING – 2.21 X 16.36		
9	163149	FITTING – ZERO LEAK GOLD	2	
10	162287	PLUG – ORIFICE	2	
11	30971	O-RING	1	
12	163961	FITTING – ADAPTER HYD (DWA)	1	
13	30999	CAP – 3/4 IN. TUBE	1	
14	135374	PLUG – 1/2 IN. TUBE	1	
15	50086	FITTING – HYD TEE	1	
16	30973	FITTING – ADAPTER HYD REDUCER	1	
17	130292	FITTING – ELBOW HYD (R3)	1	
	44209	O-RING – 2.21 X 16.36		
18	112935	CAP – 5/8 IN. TUBE	1	
19	108233	CAP – 1/2 IN. TUBE	1	
20	21830	FITTING – CONNECTOR HYD (R1, R2)	2	
	30971	O-RING – 2.95 X 23.47		
21	30695	FITTING – CONNECTOR HYD (P)	2	
	44209	O-RING – 2.21 X 16.36		
22	21840	FITTING – ADAPTER HYD (R1, R2)	2	229511–
	30971	O-RING – 2.95 X 23.47		
23	135583	FITTING – ADAPTER 1.0 INCH HOSE, .75 IN. ORB (R2) ⁷⁸	1	–229510
24	167344	VALVE – CHECK (DWA)	1	
	44210	O-RING – 2.46 X 19.18		
25	183496	SUPPORT – HEADER DRIVE	1	266820–
	163938	SUPPORT – HEADER DRIVE (SERVICE ONLY) ⁷⁹	1	–266819
A	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
B	21066	BOLT – RHSN 1/2-13X1 GR 5 ZP		266820–
	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		–266819

78. Connects to return hose (MD #162261) on model year 2012 and prior units. If installing new return hose (MD #183176), also order adapter fitting (MD #21840) and elbow fitting (MD #183177).

79. Used to service units made in model year 2014 and prior.

HEADER DRIVE MANIFOLDS

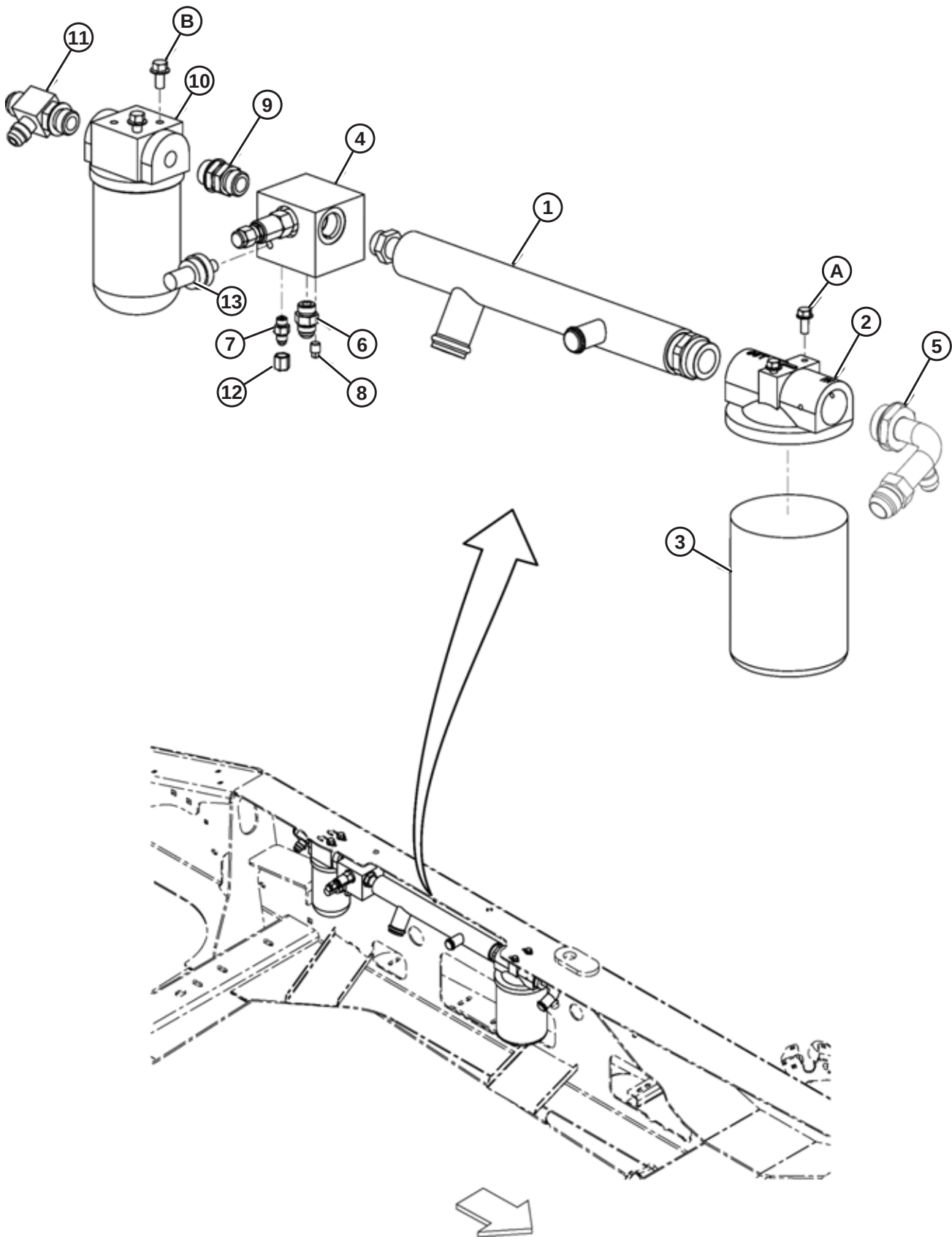


1040039

HEADER DRIVE MANIFOLDS

Ref	Part Number	Description	Qty	Serial Number
C	50186	NUT – FLG LOCK SMTH FACE DT 0.500-13 UNC GR 5		266820–
	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		–266819

46 Return Manifold



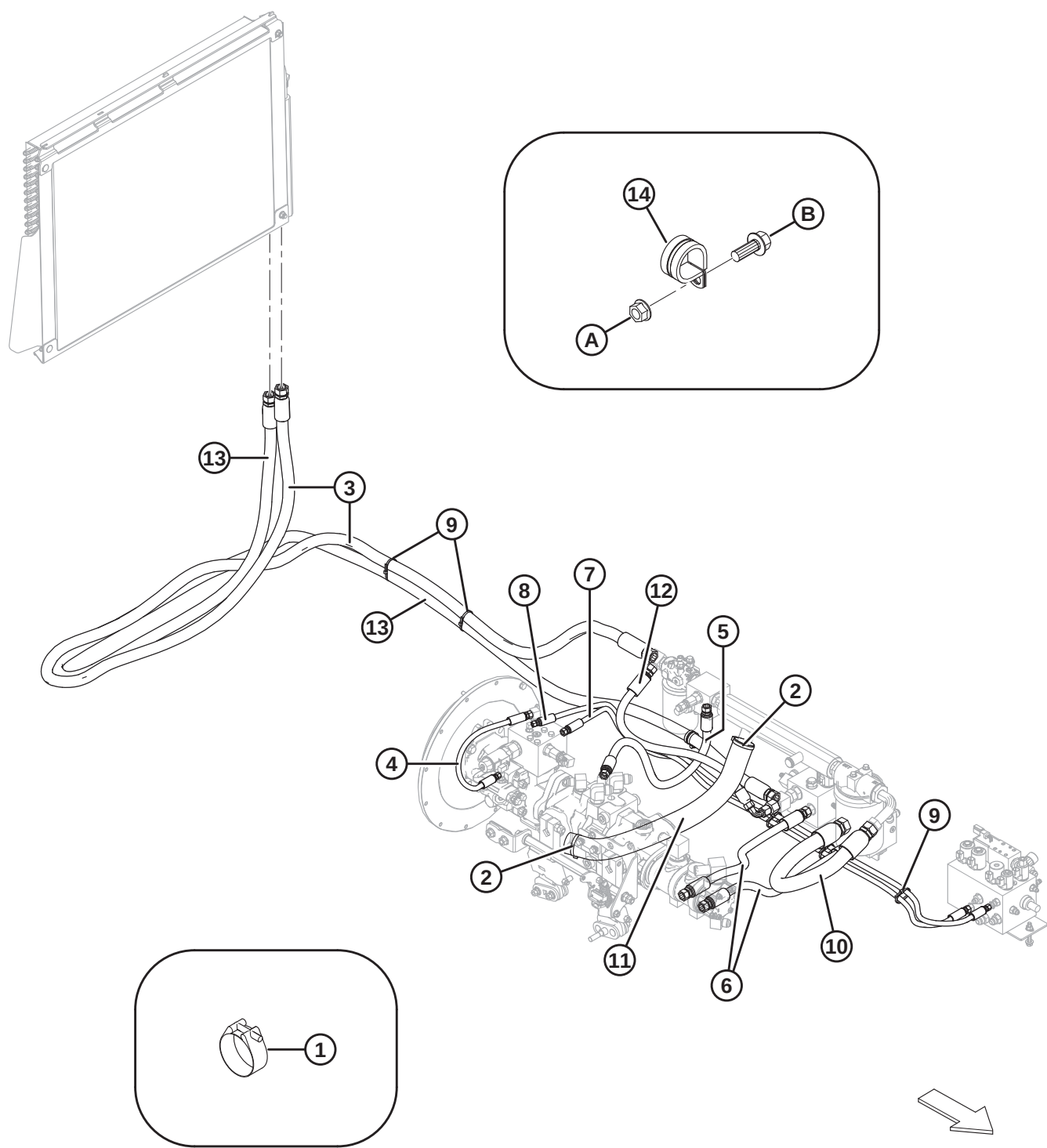
RETURN MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
1	163693	MANIFOLD – RETURN LINE, M100	1	
2	151974	FILTER HEAD – 1-5/8 IN.-12 SAE (#20)	1	
3	320360	FILTER – HYD C/W 2X SEALS ⁸⁰	1	
4	162233	VALVE – SUPERCHARGE, M100	1	
	162234	RELIEF VALVE – 200 PSI		
	167762	FITTING – ZINC NICKEL SAE-06		
	49846	SEAL KIT – RELIEF VALVE		
5	183177	FITTING – ELBOW 1.00 IN. HOSE, 1.25 IN. ADJ ORB ⁸¹	1	229511–
	163712	FITTING – ELBOW 1.00 IN. HOSE, 1.25 IN. ADJ ORB ⁸¹		–229510
6	21030	FITTING – CONNECTOR HYD	1	
	44209	O-RING – 2.21 X 16.36		
7	112184	FITTING – ADAPTER HYD	1	
	50223	O-RING – 1.83 X 8.92		
8	21791	PLUG – SQ HEAD PIPE	1	
9	112197	FITTING – CONNECTOR HYD CW O-RINGS	1	
10	138920	ASSY – FILTER HEAD AND ELEMENT	1	
	112419	ELEMENT – FILTER		
11	166140	VALVE – RELIEF STR THD RUN TEE CW O-RING	1	
12	30642	CAP – 1/4 IN. TUBE	1	
13	162235	SWITCH – 150 PSI TRACTION SUPERCHARGE, M100	1	
A	30278	BOLT – HH FLG (SER FACE) 5/16 NC X 0.75 GR 5 ZP		
B	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		

80. Includes hydraulic filter element, two O-rings, and instructions.

81. If replacing the superseded elbow fitting (MD #163712) on model year 2012 and prior windrowers, return hose (MD #183176), elbow fitting (MD #183177), and adapter fitting (MD #21840) are required.

47 Charge Cooler Hydraulics



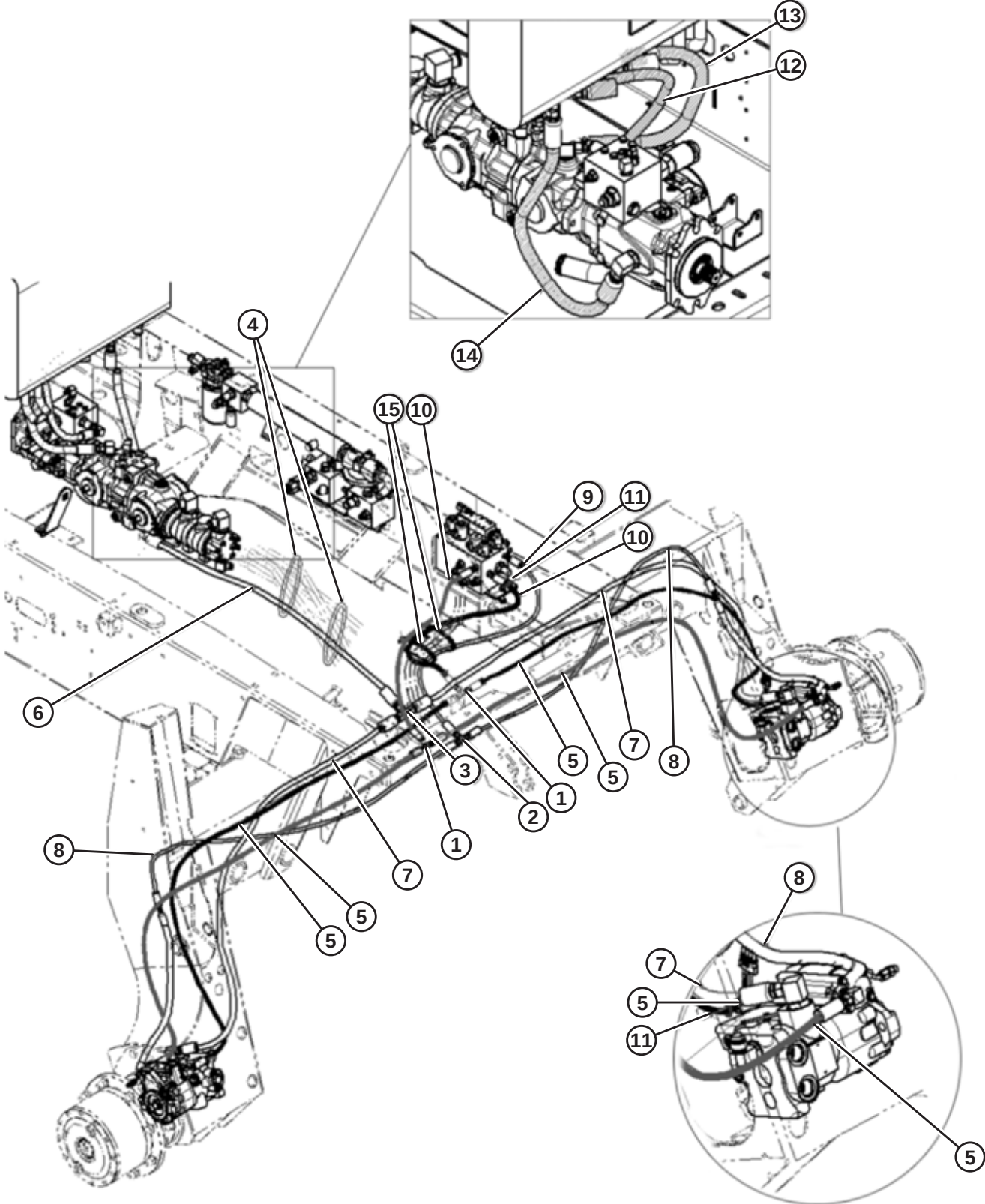
CHARGE COOLER HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	162442	CLAMP – HOSE ⁸²	2	-229510
2	252312	CLAMP – T BOLT	2	
3	183140	HOSE – HYDRAULIC	1	
4	162259	HOSE – HYDRAULIC, .25 IN. I.D., 450MM LG, 100R1	1	
5	111307	HOSE – HYDRAULIC	1	
6	162260	HOSE – HYDRAULIC, .5 IN. I.D., 650MM LG, 100R17	2	
7	31802	HOSE – HYDRAULIC	1	
8	162262	HOSE – HYDRAULIC, .25 IN. I.D., 2150MM LG, 100R1	1	
9	21763	FASTENER – CABLE TIE (BLACK)	6	
10	183176	HOSE – RETURN, 1 IN. X 750 ⁸³	1	229511–
	162261	HOSE – RETURN, 1 IN. X 750 ⁸³	1	–229510
11	162264	HOSE – SUCTION, 1-1/2 IN. I.D., 950MM LG	1	
12	166147	HOSE – HYDRAULIC	1	
13	183141	HOSE – HYDRAULIC	1	
14	137714	CLAMP – INSULATED 1-1/8 IN.	1	
A	21975	BOLT – HEX HD FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLG DT SMOOTH FACE 0.375-16 UNC		

82. Used with return hose (MD #162261) on model year 2012 and prior.

83. If replacing return hose (MD #162261) with (MD #183176) on model year 2012 and prior units, also order elbow fitting (MD #183177) and adapter fitting (MD #21840).

48 Brake Two-Speed Case Drain Hydraulics

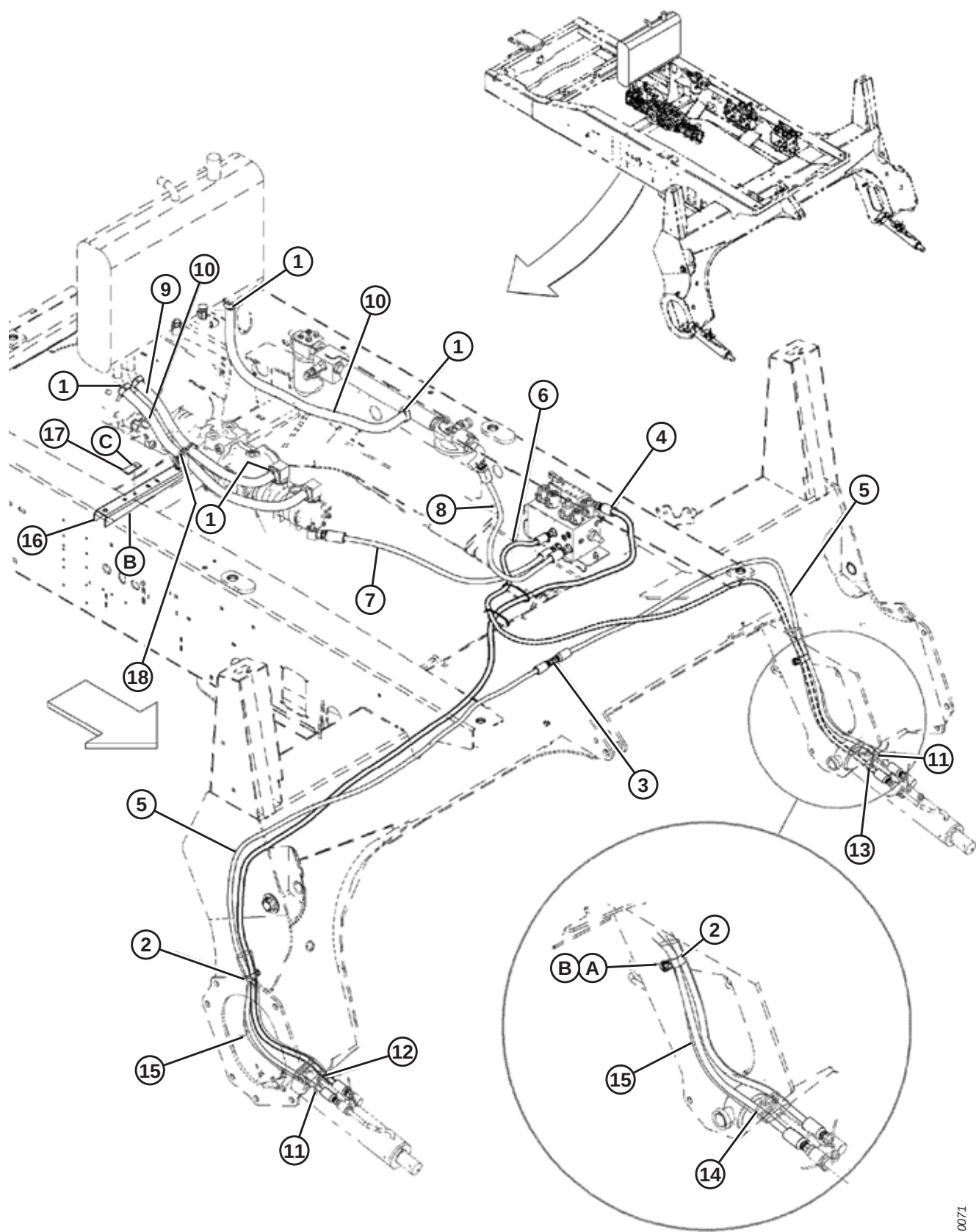


1009955

BRAKE TWO-SPEED CASE DRAIN HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	7603	FITTING – TEE HYD	2	
2	18881	FITTING – TEE HYD	1	
3	30551	FITTING – TEE HYD	1	
4	30753	FASTENER – CABLE TIE (BLACK)	2	
5	172986	HOSE – HYDRAULIC	4	
6	111314	HOSE – HYDRAULIC	1	
7	111312	HOSE – HYDRAULIC	2	
8	111326	HOSE – HYDRAULIC	2	
9	111327	HOSE – HYDRAULIC	1	
10	111324	HOSE – HYDRAULIC	2	
11	135266	FASTENER – CABLE TIE (LIGHT BLUE)	6	
12	162440	HOSE – HYDRAULIC	1	
13	162267	HOSE – HYDRAULIC	1	
14	162268	HOSE – HYDRAULIC	1	
15	21763	FASTENER – CABLE TIE (BLACK)	2	

49 Lift Hydraulics

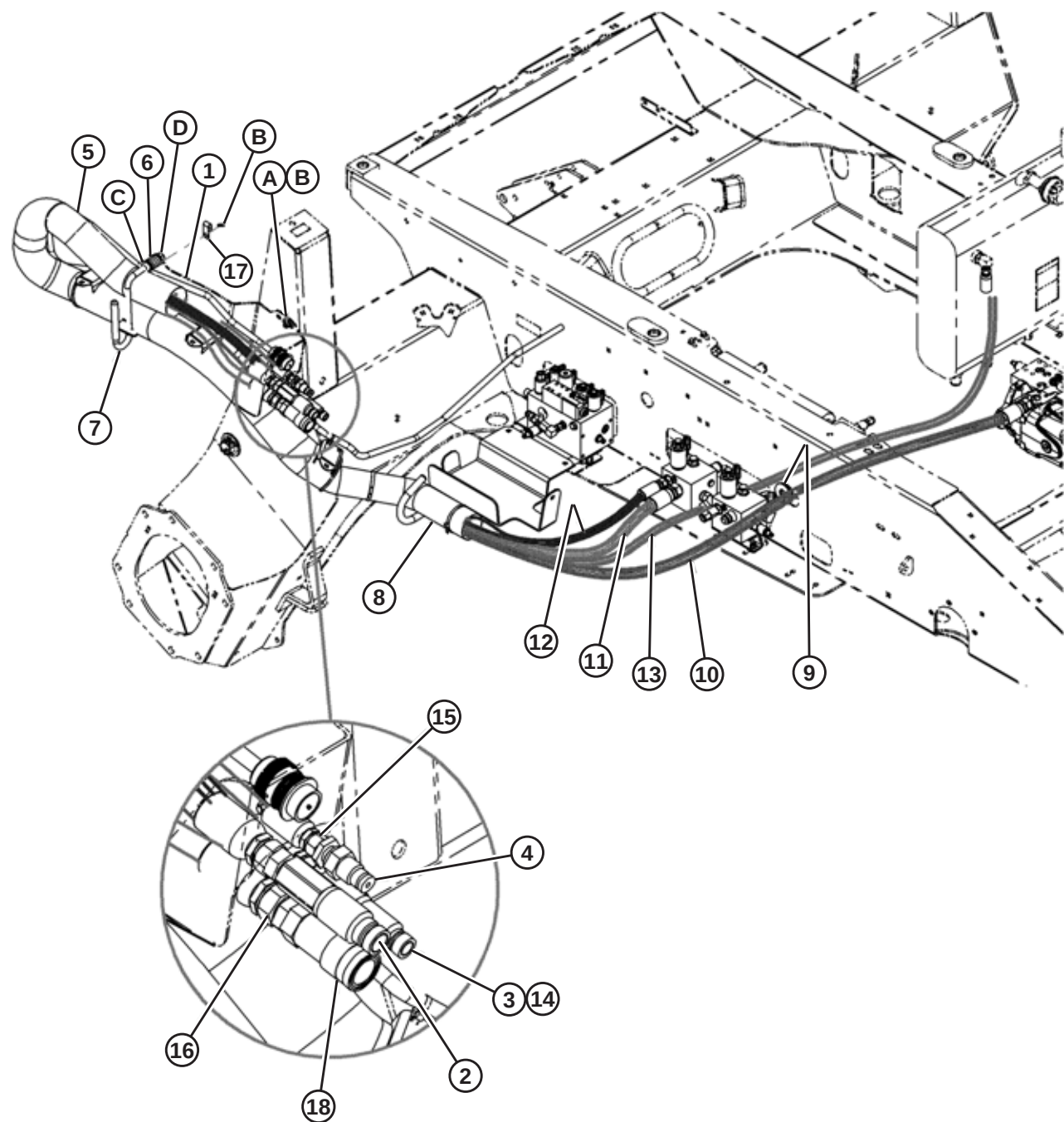


1010071

LIFT HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	162442	CLAMP – HOSE	6	
2	103738	CLAMP – INSULATED 3/16	2	
3	30375	FITTING – UNION HYD	1	
4	111328	HOSE – HYDRAULIC, LIFT	1	
5	111556	HOSE – SLAVE LIFT CYL BASE TO CTR JOINER	2	
6	111557	HOSE – HYDRAULIC LIFT RETURN	1	
7	162274	HOSE – HYDRAULIC, 1/2 IN. I.D., 850MM LG, 100R17	1	
8	162276	HOSE – HYDRAULIC, .5 IN. I.D., 700MM LG, 100R1	1	
9	162275	HOSE – HYD, 1 IN. I.D., 550MM LG	1	
10	162261	HOSE – RETURN, 1 IN. X 750	2	
11	40702	FASTENER – CABLE TIE (RED)	2	
12	49232	FASTENER – CABLE TIE (WHITE)	1	
13	40701	FASTENER – CABLE TIE (YELLOW)	1	
14	21763	FASTENER – CABLE TIE (BLACK)	2	
15	112940	SLEEVE	2	
16	166185	SUPPORT – HYDRAULIC LINES	1	
17	44217	LATCH	1	
18	30753	FASTENER – CABLE TIE (BLACK)	1	
A	19965	BOLT – RHSSN 3/8 NC X 1.0 LG GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	21567	BOLT – HH 3/8 NCX 3/4 LG		

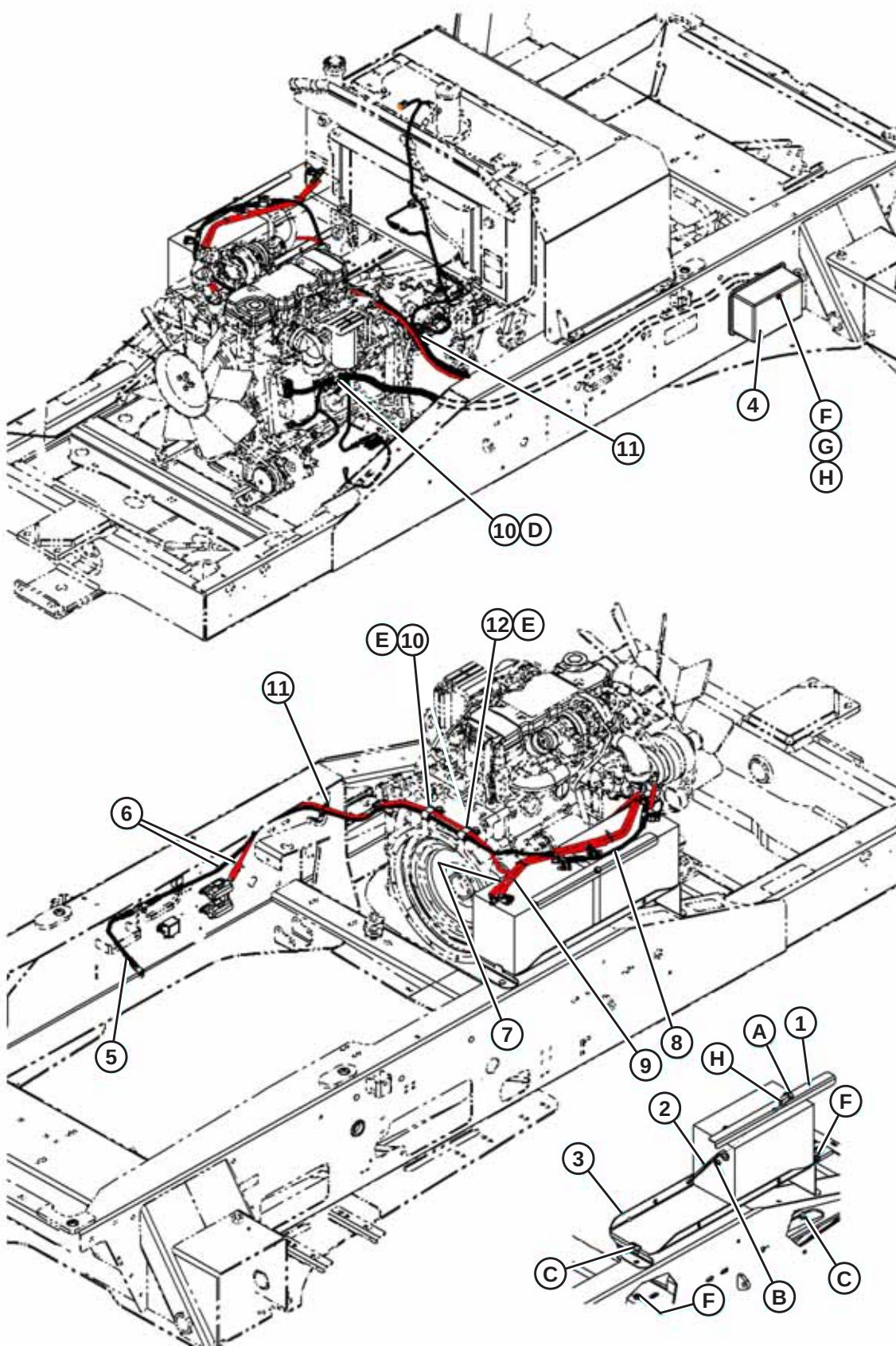
50 Left Coupler Hydraulics



LEFT COUPLER HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	163125	SUPPORT – HOSES, LH WELDT	1	
2	135314	COUPLER – MALE HYD. 3/4 IN. FLAT FACE	1	
	135479	SEAL KIT		
3	135361	COUPLER – MALE HYD. 1/2 IN. FLAT FACE	1	
4	135237	COUPLER – MALE HYD. 3/8 IN. FLAT FACE BULKHEAD	1	
5	110547	SLEEVE – HOSE	1	
6	28700	SPRING – COMPRESSION	1	
7	163254	HANDLE – HOSE SUPPORT	1	
8	163128	SLEEVE – HOSE	1	
9	110967	GROMMET – 1.06 IN. I.D.	1	
10	162250	HOSE – HYDRAULIC	1	
11	162251	HOSE – HYDRAULIC	1	
12	120585	HOSE – HYD	1	
13	47141	HOSE – HYD	1	
14	135364	FITTING – ADAPTER HYD	1	
15	21830	FITTING – CONNECTOR HYD	1	
16	21828	FITTING – ADAPTER HYD	1	
17	135233	CLAMP – WIRING HARNESS	1	
18	135313	COUPLER – FEMALE HYD 3/4 IN. FLAT FACE	1	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	18600	WASHER – SAE FLAT 21/32 I.D. X 1-5/16 IN. O.D. ZP		
D	50225	NUT – FLANGE DT SMOOTH FACE .625-11 UNC		

51 Electrical – Battery



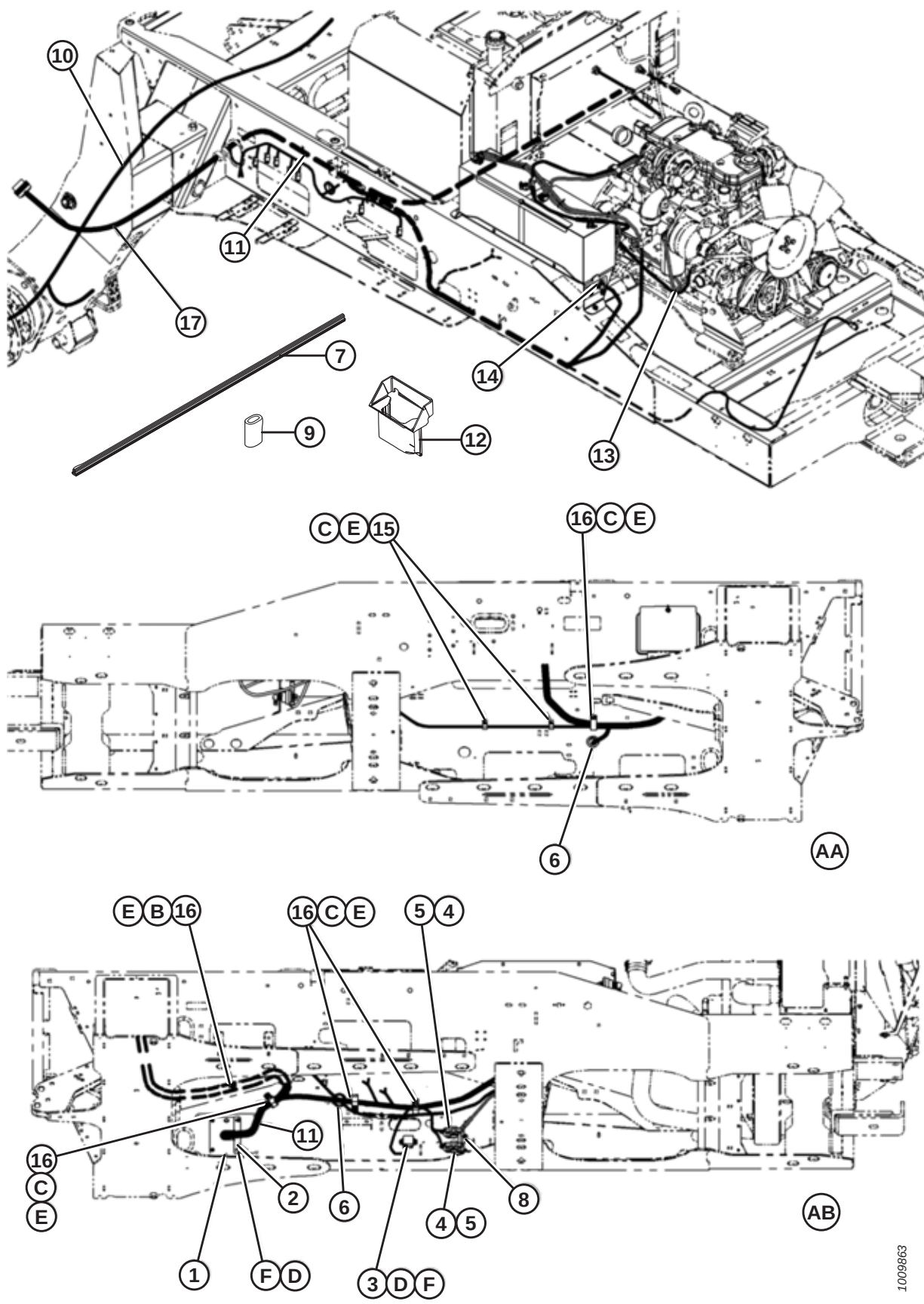
ELECTRICAL – BATTERY

NOTE:

Contact your Dealer for information regarding software updates to the electronic modules. Your Dealer will have the necessary interface tools and access to the latest software upgrades.

Ref	Part Number	Description	Qty	Serial Number
1	183115	ANGLE – BATTERY	1	
2	183114	STRAP – BATTERY	1	
3	183113	SUPPORT – BATTERY	1	
4	183169	ASSY – FUSE COVER WITH DECAL	1	–244009
	109962	ASSY – FUSE COVER WITH GASKET	1	244010–
	139366	SEAL – TRIM, LOK, 3/8 IN. BULB, 1/8 IN. GRIP	1	244010–
5	183029	CABLE – GROUND, FRAME TO CAB	1	
6	139702	HARNESS – BATTERY TO FUSES AND FRAME GND	1	
7	139701	CABLE – BATTERY TO DISCONNECT SW	1	
8	139700	CABLE – DUAL BATTERY, NEGATIVE	1	
9	139699	CABLE – DUAL BATTERY, POSITIVE	1	
10	50022	CLAMP – INSULATED 15/16 INCH	9	
11	21763	FASTENER – CABLE TIE (BLACK)	2	
12	135235	CLAMP – DOUBLE HOSE INSULATED	1	
A	21262	BOLT – HEX HD 3/8 NC X 2.5 TFL GR 5 ZP		
B	118193	NUT – FLANGE HEX .375 UNC		
C	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
D	50155	BOLT – HEX HD, M12 X 1.75 X 25		
E	50071	BOLT – HH M10 X 1.5 X 15 LG ZP		
F	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
G	21289	NUT – WING TYPE A 3/8 NC ZP		
H	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		

52 Electrical – Chassis



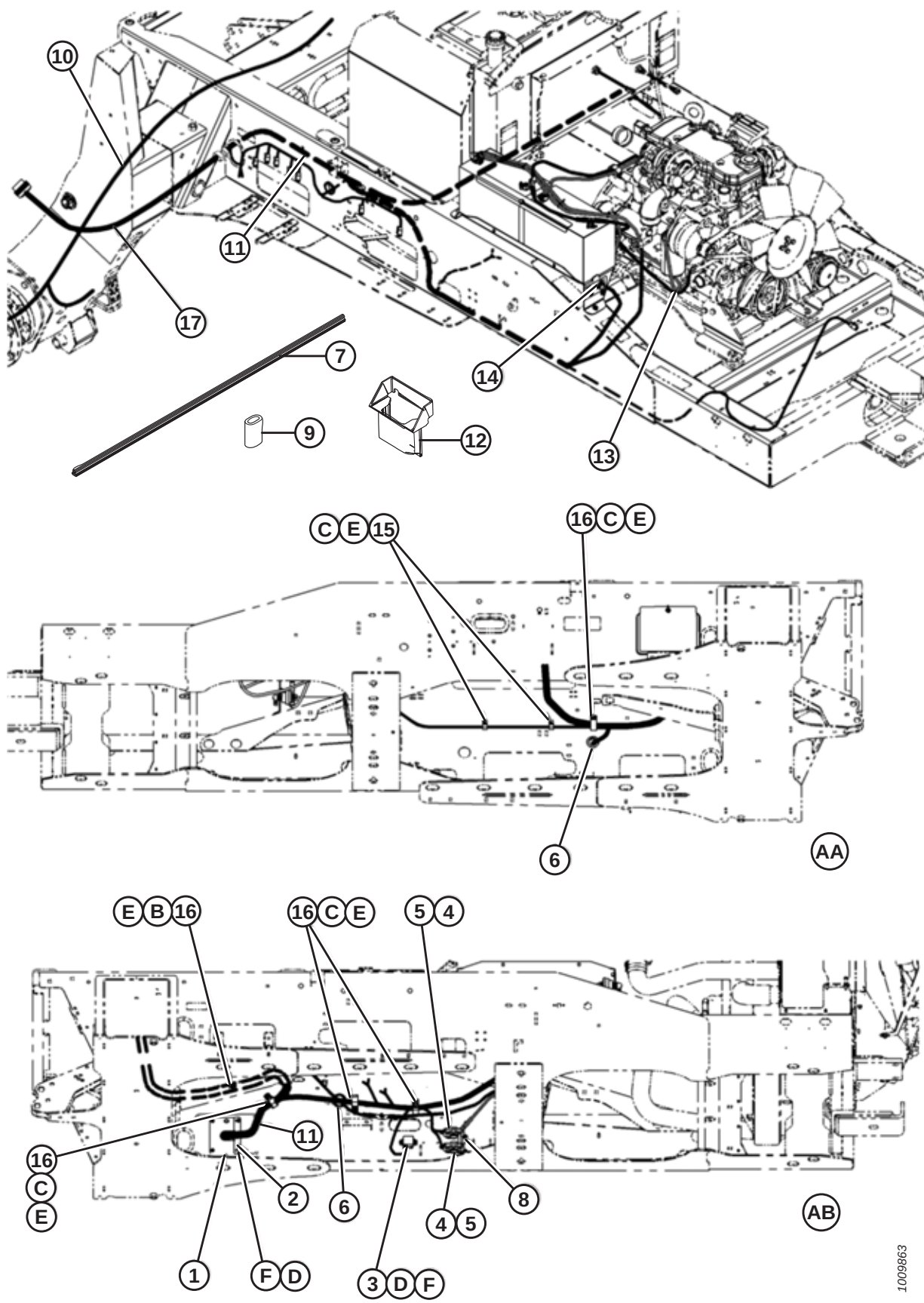
ELECTRICAL – CHASSIS

NOTE:

Contact your Dealer for information regarding software updates to the electronic modules. Your Dealer will have the necessary interface tools and access to the latest software upgrades.

Ref	Part Number	Description	Qty	Serial Number
AA	REF	LH SIDE FRAME INSIDE VIEW		
AB	REF	RH SIDE FRAME INSIDE VIEW		
1	110586	COVER – FUSE PANEL WELDT	1	
2	163386	BRACKET – FUSE PANEL HARNESS SUPPORT	1	
3	111504	POWER RELAY – 12V, 75A	1	
4	111506	FUSE – HOLDER	2	
5	111505	FUSE – 125 AMP	2	
6	111713	GROMMET – 1.50 IN. I.D.	1	
7	139366	SEAL – TRIM, LOK, 3/8 IN. BULB, 1/8 IN. GRIP	1	
8	109993	BAR – BUSS, MAIN FUSES	1	
9	111672	INSULATOR – SHORTING BAR	1	
10	183009	HARNESS – WHEEL LEG	1	
11	167687	KIT – HARNESS CHASSIS, M105⁸⁴	1	
	183463	KIT – CHASSIS HARNESS REPAIR		
12	183258	SHIELD – STARTER RELAY	1	
13	109756	HARNESS – STARTER TO ALTERNATOR	1	
14	166271	SWITCH – BATTERY MASTER DISCONNECT	1	
15	39272	CLIP – INSULATED	2	
16	50022	CLAMP – INSULATED 15/16 INCH	10	
17	183445	HARNESS – HEADER	1	
	135215	FUSE – ATC, 5 AMPS		
	135217	FUSE – ATC, 10 AMPS		
	135218	FUSE – ATC, 15 AMPS		
	135219	FUSE – ATC, 20 AMPS		
	135203	FUSE – MAXI, 20 AMPS		
	135207	FUSE – MAXI, 30 AMPS		
	135208	FUSE – MAXI, 50 AMPS		
	135210	FUSE – MAXI, 60 AMPS		
	135220	FUSE – ATC, 25 AMPS		
	135458	CIRCUIT BREAKER – ATC, 10 AMPS		
	135625	CIRCUIT BREAKER – ATC, 20 AMPS		
	135687	CIRCUIT BREAKER – ATC, 30 AMPS		
	134837	RELAY – MICRO, 12VDC, SPDT		
	30215	RELAY – MINI, 12VDC, 40A, SPST		
A	21566	BOLT – HEX HD 1/4 NC X 0.75 LG GR 5 ZP		
B	21975	BOLT – HH FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		

84. Includes chassis harness (NSS) and auxiliary lighting roof harness (NSS).

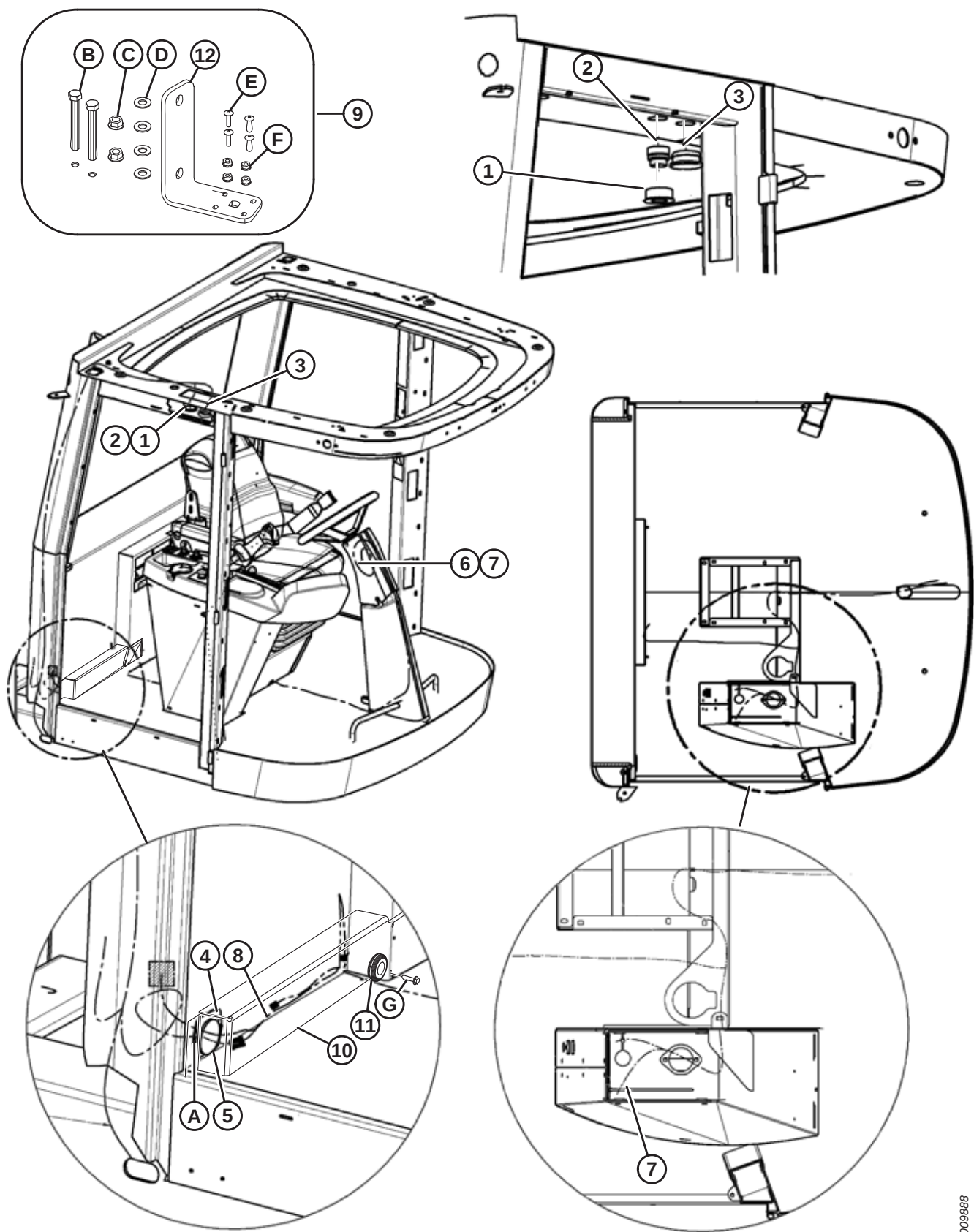


1009863

ELECTRICAL – CHASSIS

Ref	Part Number	Description	Qty	Serial Number
C	21282	BOLT – RHSN 5/16 18X1 GR 5 ZP		
D	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
E	30280	NUT – FLANGE LK SMOOTH FACE 5/16 NC GR 5 ZP		
F	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		

53 GPS Electrical



1009888

GPS ELECTRICAL

Ref	Part Number	Description	Qty	Serial Number
1	183318	PLUG – DECORATIVE 1.25 IN. HOLE	1	
2	183316	BUZZER – SONALERT	1	
3	183319	PLUG – 53MM	1	
4	173140	PLATE – COVER	2	
5	173139	GROMMET	2	
6	183256	HARNESS – TRIMBLE, FIXED SEAT	1	
7	21763	FASTENER – CABLE TIE (BLACK)	1	
8	183254	HARNESS – EZ PILOT MAIN	1	
9	183348	KIT – TRIMBLE DISPLAY MOUNT ⁸⁵	1	
10	183362	SHROUD	1	
11	183317	GROMMET	1	
12	131412	SUPPORT	1	
A	30492	SCREW – PHILIPS PAN HD #8 X 3/4 LG ZP		
B	21593	BOLT – HH 3/8 NC X 4.0 LG GR 5 ZP		
C	21452	NUT – FLANGE (SER. FACE) .375-16 UNC		
D	18598	WASHER – SAE FLAT 13/32 I.D. X 13/16 IN. O.D. ZP		
E	158722	BOLT – RH SN #10-24 NC X 3/4 GR 2 ZP		
F	21492	NUT – FLG (SER FACE) #10 NC GR 5 ZP		
G	136626	SCREW – TPG HEX FLG HD #8-18X3/4-CS-BLKZC		

85. Kit includes support (MD #131412) and hardware B–F.

54 Paint

PREPARATION: WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH Approved) and proper containment and clean up. For more information, call the National Lead Information Center at 1-800-424-1313 (in US) or contact your local health authority.

Surface must be free of grease, rust, dirt and wax. Mask off or protect other areas from overspray. Product should be sprayed in a well-ventilated area. Use at room temperature 21 °C (70 °F) for best operation.

FOR BEST RESULTS: Shake until full inside can settles. Hold can at top, and swing bottom of can in a circle for at least 2 minutes, making full barrel around bottom groove. Shake up and down occasionally. Repeat shaking procedure for 10 seconds after each minute of spraying. Press spray button firmly, with the can 15-25 cm (6-10 inches) from surface. Apply several thin coats. To prevent dripping, check the valve by holding can upside down, and spray until only clear gas comes out.

PREPARATION: MISE EN GARDE! Enlèvement des anciennes peintures par ponçage, découpage ou toute autre méthode risque de dégager des poussières ou des vapeurs contaminées par le plomb. L'exposition à ces poussières ou vapeurs peut entraîner un dysfonctionnement du cerveau ou d'autres effets néfastes sur la santé, surtout chez les femmes enceintes et les enfants. L'utilisation d'équipement de protection approprié, tel qu'un appareil respiratoire bien ajusté et homologué par le NIOSH, ainsi que des moyens de confinement adéquats et un nettoyage soigné des substances dangereuses. Pour obtenir plus de renseignements, communiquer avec le National Lead Information Center au 1-800-424-1313 (aux E-U) ou avec le service local de santé publique.

La surface doit être exempte de graisse, de rouille, de saleté et de cire. Masquer ou protéger les surfaces avoisinantes pour les protéger des suraspersions. Le produit doit être vaporisé dans un endroit bien aéré. Pour optimiser les résultats, utiliser à température ambiante 21 °C (70 °F).

POUR DES RÉSULTATS OPTIMUM: Agiter le contenant jusqu'à ce que la balle de mélange bouge librement. Secouer la canette par le haut et en agiter le fond pendant au moins 2 minutes en faisant des mouvements circulaires pour que la balle se déplace autour du fond de la canette. Agiter de haut en bas de temps à autre. Agiter pendant 10 secondes pour chaque minute de vaporisation. Presser fermement sur le bouton de vaporisation en tenant la canette à 15-25 cm (6-10 pouces) de la surface. Appliquer plusieurs couches minces. Pour empêcher le gicler de substance, le nettoyer en tenant la canette à l'envers et en pressant sur le bouton de vaporisation jusqu'à ce qu'il n'y ait que du gaz visible.

Tous les produits conformes à la réglementation sur les COV de votre région.

Made in Canada / Fabriqué au Canada
For / Pour
MACDON INDUSTRIES LTD
WINNIPEG, MANITOBA

CANADA: CONSUMER CHEMICALS AND CONTAINERS REGULATIONS (CCCR)

CONTENTS MAY CATCH FIRE - CONTAINER MAY EXPLODE IF HEATED - MAY IRRITATE EYES - MAY IRRITATE SKIN

Do not smoke. Do not puncture or incinerate container. Do not breathe fumes. Do not swallow. Do not get on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Stay away from heat. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If breathed in, move person to fresh air. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

CANADA: RÈGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSUMATION (RPPC)

LE CONTENU PEUT S'ENFLAMMER - CE CONTENANT PEUT EXPLODIER S'IL EST CHAUFFÉ - PEUT IRRITER LES YEUX - PEUT IRRITER LA PEAU

Ne pas fumer. Ne pas percer. Ne pas brûler le contenant. Ne pas respirer les émanations. Ne pas avaler. Éviter tout contact avec les yeux. Éviter tout contact avec la peau ou les vêtements. N'utiliser que dans un endroit bien aéré. Tenir loin des flammes, telle une flamme pilote, et de tout objet produisant des étincelles, tel un moteur électrique. Conserver loin des sources de chaleur. Tenir hors de portée des enfants.

PREMIERS SOINS: Contient Xylène; 1,2,4-Triméthylbenzène; Méthylethylcétone; Éthylbenzène. En cas d'inhalation, transporter à l'air frais la personne exposée. En cas d'ingestion, appeler immédiatement un centre antipoison ou un médecin. Ne pas provoquer le vomissement. En cas de contact avec les yeux, rincer avec de l'eau pendant 15 minutes. En cas de contact avec la peau, bien rincer avec de l'eau.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

CONTENTS MAY CATCH FIRE - CONTAINER MAY EXPLODE IF HEATED - HARMFUL IF ABSORBED THROUGH SKIN - HARMFUL IF INHALED - SWALLOWED - CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION - MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION - CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERTATOGENIC EFFECTS.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

In a fire or if heated, a pressure increase will occur and the container may burst or explode. Can enter lungs and cause damage. Risk of cancer depends on duration and level of exposure. Contains material which can cause birth defects. Contains material which can cause developmental abnormalities. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Use only with adequate ventilation. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Avoid exposure during pregnancy. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If breathed in, move person to fresh air. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

MacDon Performance Parts

Industrial Touch Up Paint Peinture de retouche industrielle



DANGER!

**FLAMMABLE - CONTENTS UNDER PRESSURE
INFLAMMABLE - CONTENU SOUS PRESSION**



Part number / Numéro de pièce

Net weight with paint / Poids net avec peinture **12 oz / 340 g**

1

2

Read and understand all safety instructions before using this product.
Lire et comprendre toutes les consignes de sécurité avant d'utiliser ce produit.

Made in Canada / Fabriqué au Canada
For / Pour
MACDON INDUSTRIES LTD
WINNIPEG, MANITOBA

CANADA: CONSUMER CHEMICALS AND CONTAINERS REGULATIONS (CCCR)

CONTENTS MAY CATCH FIRE, MAY IRRITATE EYES, MAY IRRITATE SKIN. Do not smoke. Do not get on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Stay away from heat. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

CANADA: RÈGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSUMATION (RPPC)

LE CONTENU PEUT S'ENFLAMMER, PEUT IRRITER LES YEUX, PEUT IRRITER LA PEAU. Ne pas fumer. Ne pas se salir. Ne pas porter le produit sur les vêtements. Éviter tout contact avec les yeux. Éviter tout contact avec la peau ou les vêtements. N'utiliser que dans un endroit bien aéré. Tenir loin des flammes, telle une flamme pilote, et de tout objet produisant des étincelles, tel un moteur électrique. Conserver loin des sources de chaleur. Tenir hors de portée des enfants.

PREMIERS SOINS: Contient Xylène; 1,2,4-Triméthylbenzène; Méthylethylcétone; Éthylbenzène. En cas d'ingestion, appeler immédiatement un centre antipoison ou un médecin. En cas d'inhalation, transporter à l'air frais la personne exposée. En cas de contact avec les yeux, rincer avec de l'eau pendant 15 minutes. En cas de contact avec la peau, bien rincer avec de l'eau.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

CONTENTS MAY CATCH FIRE, HARMFUL IF INHALED, SWALLOWED - CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION, MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION, CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERTATOGENIC EFFECTS.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

In a fire or if heated, a pressure increase will occur and the container may burst or explode. Can enter lungs and cause damage. Risk of cancer depends on duration and level of exposure. Contains material which can cause birth defects. Contains material which can cause developmental abnormalities. Do not puncture or incinerate container. Do not expose to heat or store at temperatures above 120°F. Use only with adequate ventilation. Do not breathe vapor or mist. Do not swallow. Do not get on skin or clothing. Avoid contact with eyes. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Avoid exposure during pregnancy. Keep out of reach of children.

FIRST AID TREATMENT: Contains Xylene; 1,2,4-Trimethylbenzene; Methyl ethyl ketone; Ethylbenzene. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse with water for 15 minutes. If on skin, rinse well with water.

MacDon Performance Parts

Industrial Paint / Peinture industrielle



DANGER!
FLAMMABLE / INFLAMMABLE

One US quart

Part number / Numéro de pièce

946 ml

DIRECTIONS FOR USE
THIS PRODUCT IS READY TO USE. NO DILUTION IS REQUIRED.

APPLICATION
Spray material at 40 to 55 PSI (2.7 to 3.8 MPa).

USING A PRIMER IS NOT NECESSARY WITH THIS PRODUCT.

FOR VOC REGULATED AREAS

These directions refer to the use of products which may be restricted or require special mixing instructions in VOC regulated areas. Follow mixing and usage recommendations in the VOC Compliant Products Chart for your area.

MODE D'EMPLOI
CE PRODUIT EST PRÊT À L'UTILISATION, AUCUN DILUANT N'EST REQUIS.

APPLICATION
Pulvériser à une pression de 40 à 55 lb/po (2,7 à 3,8 MPa).

L'UTILISATION D'UN APPRÊT N'EST PAS NÉCESSAIRE AVEC CE PRODUIT.

RÉGLEMENTATION SUR LES COV

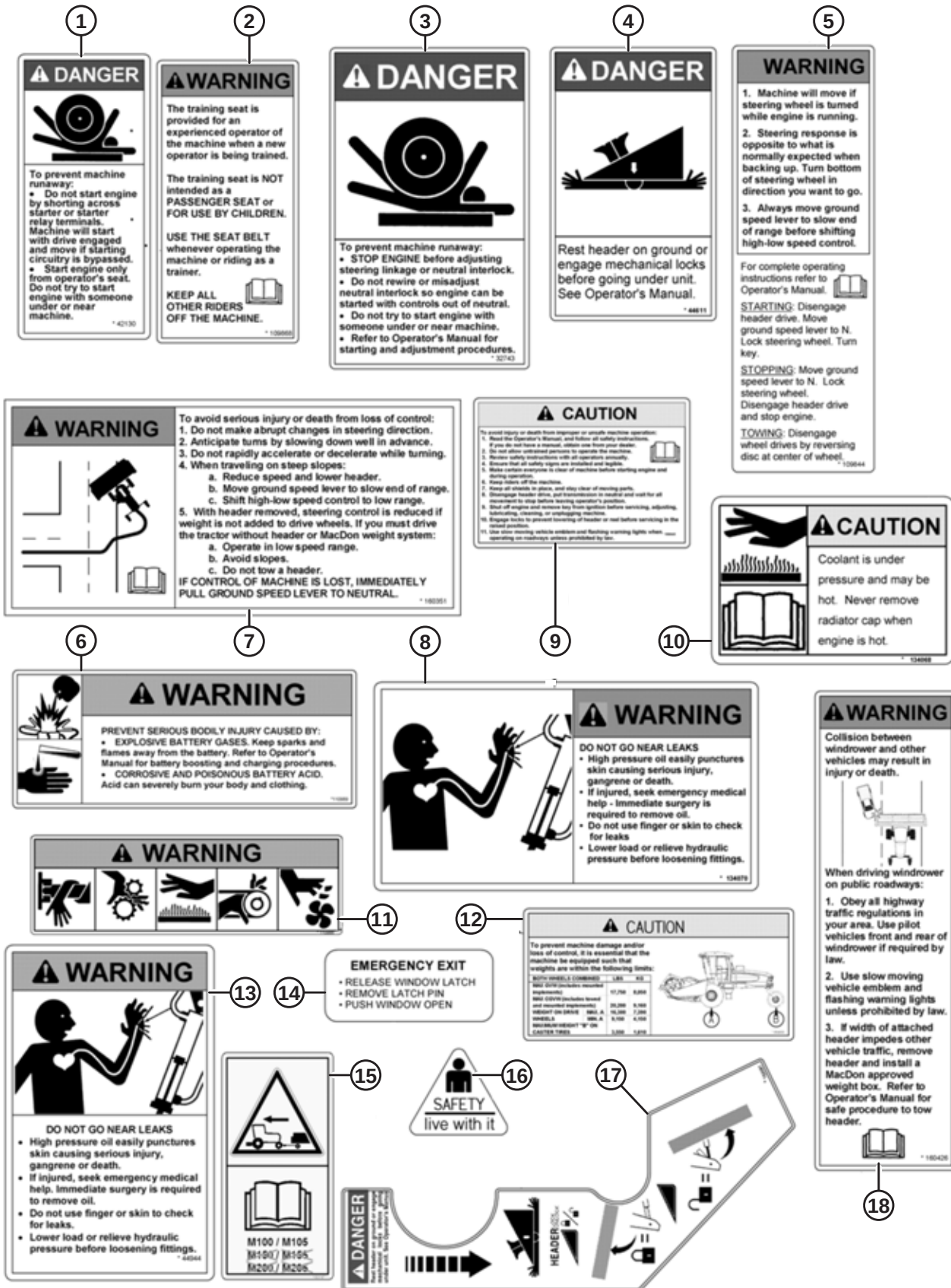
Ces directives concernent l'utilisation de produits pouvant être réglementés ou soumis à des instructions de mélange spéciales dans les régions où les émissions COV sont réglementées. Suivre les recommandations de mélange et d'emploi indiquées au Tableau des produits conformes à la réglementation sur les COV de votre région.

PAINT

Ref	Part Number	Description	Qty	Serial Number
1	135148	PAINT – BLACK (55-65 GLOSS LEVEL), SPRAY CAN, 12 OZ. (340 G) AEROSOL ⁸⁶		
	32879	PAINT – WHITE, SPRAY CAN, 12 OZ. (340 G) AEROSOL ⁸⁶		
	23950	PAINT – RED, SPRAY CAN, 12 OZ. (340 G) AEROSOL ⁸⁶		
2	25991	PAINT – BLACK (55-65 GLOSS LEVEL), 1 US QUART (946 ML)		
	32880	PAINT – MACDON RED 1 US QUART (946 ML)		

⁸⁶. To be used for small touch-ups only.

55 Safety Decals – 2012 and Prior



SAFETY DECALS – 2012 AND PRIOR

NOTE:

All decals listed have been replaced by two-panel decals for 2013 and later. Decals listed are available as service parts only until stock is depleted.

Ref	Part Number	Description	Qty	Serial Number
1	166306	DECAL – STEERING CONTROL		
2	166466	DECAL – HIGH PRESSURE FLUID		
3	166438	DECAL – HEADER LOCK, LH		
4	166324	DECAL – READ MANUAL		
5	166454	DECAL – READ MANUAL		
6	166425	DECAL – DANGER		
7	166455	DECAL – WARNING, BATTERY EXPLOSION		
8	166439	DECAL – HEADER LOCK, RH		
9	166232	DECAL – CAUTION		
10	166457	DECAL – WARNING, READ MANUAL STEERING SERVICE		
11	166235	DECAL – WARNING		
12	166440	DECAL – CAUTION, GVW		
13	166307	DECAL – EMERGENCY EXIT		
14	174136	DECAL – HIGH PRESSURE FLUID		
15	166233	DECAL – DANGER		
16	32744	DECAL – SAFETY, LIVE WITH IT		
17	166234	DECAL – WARNING (TRAINING SEAT AND SEAT BELTS)		
18	183167	DECAL – WARNING, TRANSPORT		

56 Safety Decals



1040002

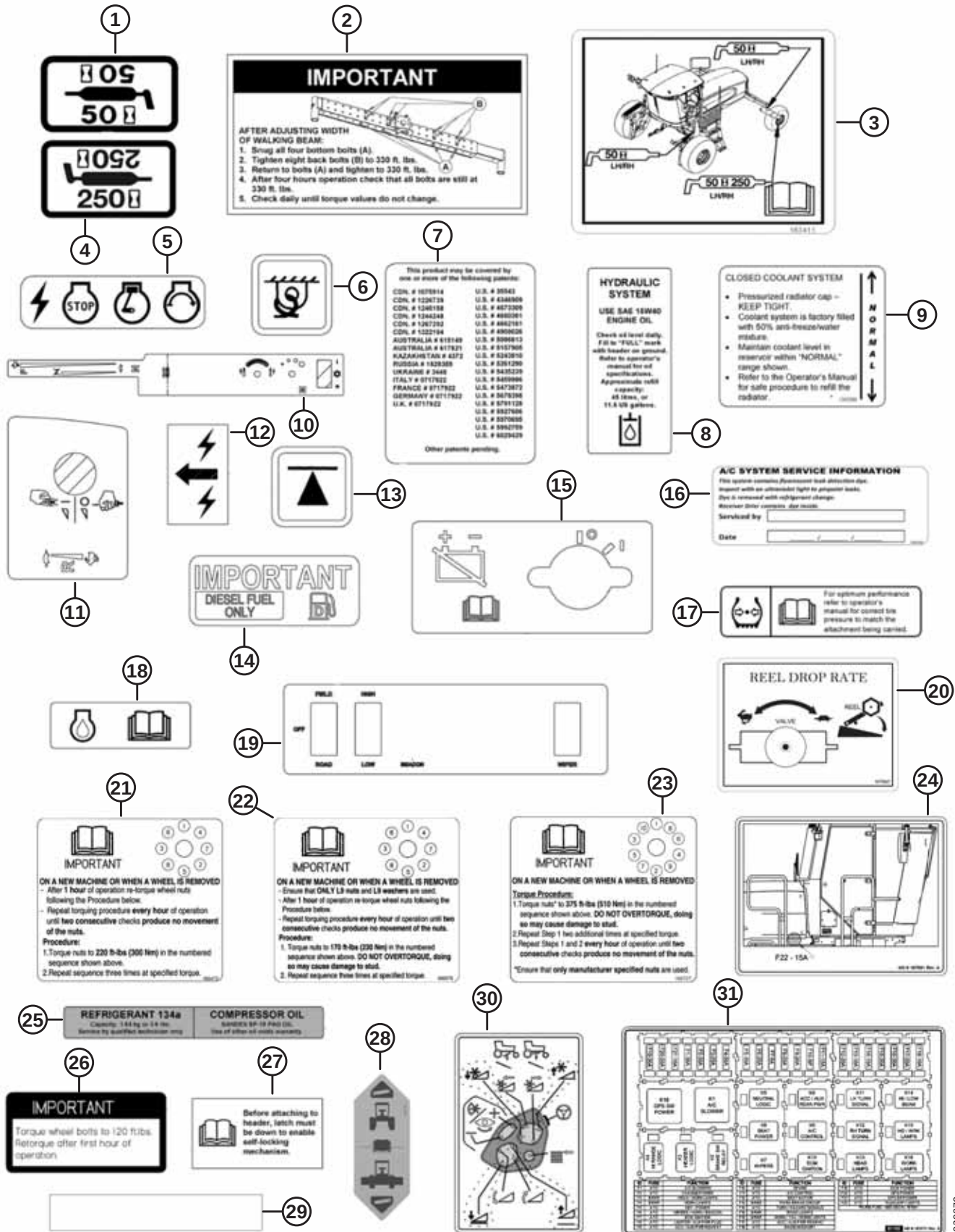
SAFETY DECALS

NOTE:

For Russian Language Decals, refer to Section *59 Russian Language Decal Package, page 145*.

Ref	Part Number	Description	Qty	Serial Number
1	166235	DECAL – WARNING		
2	166457	DECAL – WARNING, READ MANUAL STEERING SERVICE		
3	166455	DECAL – WARNING, BATTERY EXPLOSION		
4	166306	DECAL – STEERING CONTROL		
5	166439	DECAL – HEADER LOCK, RH		
	166438	DECAL – HEADER LOCK, LH		
6	166425	DECAL – DANGER		
7	167504	DECAL – EMERGENCY EXIT		
8	166324	DECAL – READ MANUAL		
9	166454	DECAL – READ MANUAL		
10	167502	DECAL – WARNING, PINCH HAZARD		
11	183167	DECAL – WARNING, TRANSPORT		
12	166232	DECAL – CAUTION		
13	166466	DECAL – HIGH PRESSURE FLUID		
14	166234	DECAL – WARNING (TRAINING SEAT AND SEAT BELTS)		
15	174436	DECAL – HIGH PRESSURE FLUID		
16	160350	DECAL – EMERGENCY EXIT		
17	166233	DECAL – DANGER		
18	166440	DECAL – CAUTION, GVW		

57 Information Decals and Reflectors

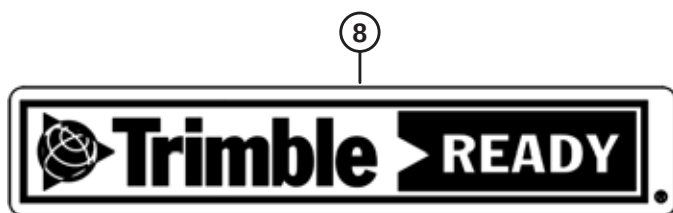
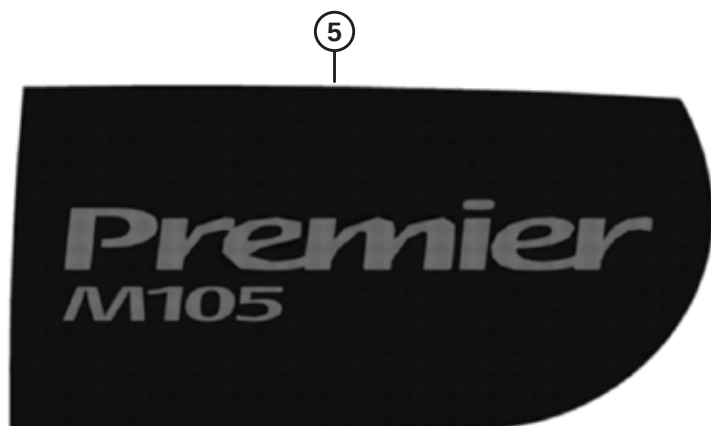
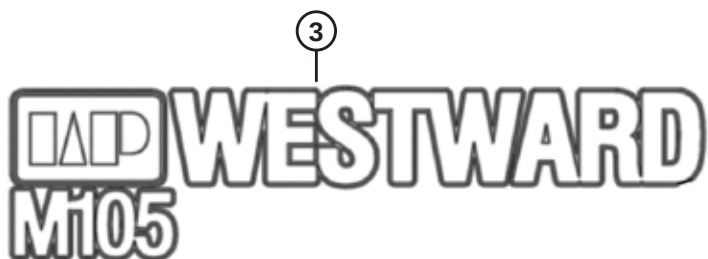
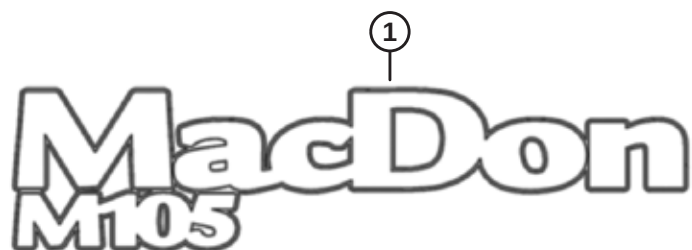


INFORMATION DECALS AND REFLECTORS

Ref	Part Number	Description	Qty	Serial Number
1	23165	DECAL – 50 HR LUBE		
2	109842	DECAL – IMPORTANT		
3	183411	DECAL – LUBRICATION		
4	183412	DECAL – 250 HOUR LUBE		
5	160332	DECAL – IGNITION		
6	109207	DECAL – TIE DOWN		
7	32070	DECAL – PATENTS		
8	166281	DECAL – HYDRAULIC OIL		
9	134069	DECAL – COOLANT SYSTEM		
10	160320	DECAL – GROUND SPEED		
11	160321	DECAL – SWITCH PANEL		
12	109205	DECAL – AUXILIARY POWER		
13	109206	DECAL – JACK HERE		
14	24769	DECAL – DIESEL FUEL ONLY		
15	166273	DECAL – BATTERY MASTER DISCONNECT		
16	166509	DECAL – AIR COND DYE		
17	111221	DECAL – TIRE PRESSURE		
18	110988	DECAL – ENGINE OIL		
19	160369	DECAL – LIGHTS		
20	167897	DECAL – REEL DROP RATE		
21	166472	DECAL – BOLT TORQUE, 8 BOLT (2012–PRIOR) ⁸⁷		
	166497	DECAL – BOLT TORQUE, 8 BOLT (2012–PRIOR) DO NOT REMOVE UNTIL DELIVERED TO END USER		
22	166575	DECAL – BOLT TORQUE, 8 BOLT (2013–2014) ⁸⁸		
23	166727	DECAL – BOLT TORQUE, 10 BOLT (2015) ⁸⁹		
24	167681	DECAL – 105/110 INLINE FUSES		
25	183179	DECAL – REFRIGERANT/OIL		
26	101375	DECAL – TORQUE WHEEL BOLTS (10X16 CASTERS ONLY)		
27	139723	DECAL – LATCH HANDLE		
28	166712	DECAL – FLOAT POSITION		
29	115147	REFLECTOR – RED		
	115145	REFLECTOR – FLRSCNT RED-ORANGE		
	115146	REFLECTOR – AMBER		
30	160108	DECAL – CONTROL		
31	183572	DECAL – FUSE BLOCK		

87. 8 bolt, flange nut (220 lbf-ft). This decal should be used with units that still have eight-bolt wheels with 5/8 in. flange nuts like those originally installed in the factory. If your unit has been upgraded to 5/8 in. L9 nuts and washers, order decal (MD #166575) instead. If you aren't sure which you have, see your Dealer.
88. 8 bolt, L9 (170 lbf-ft). This decal should be used with units that have eight-bolt wheels with 5/8 in. L9 nuts and washers. If your unit still has 5/8 in. flange nuts, order decal (MD #166472) instead. If you aren't sure which you have, see your Dealer.
89. 10 bolt, nut – modified with two-piece washer (375 lbf-ft).

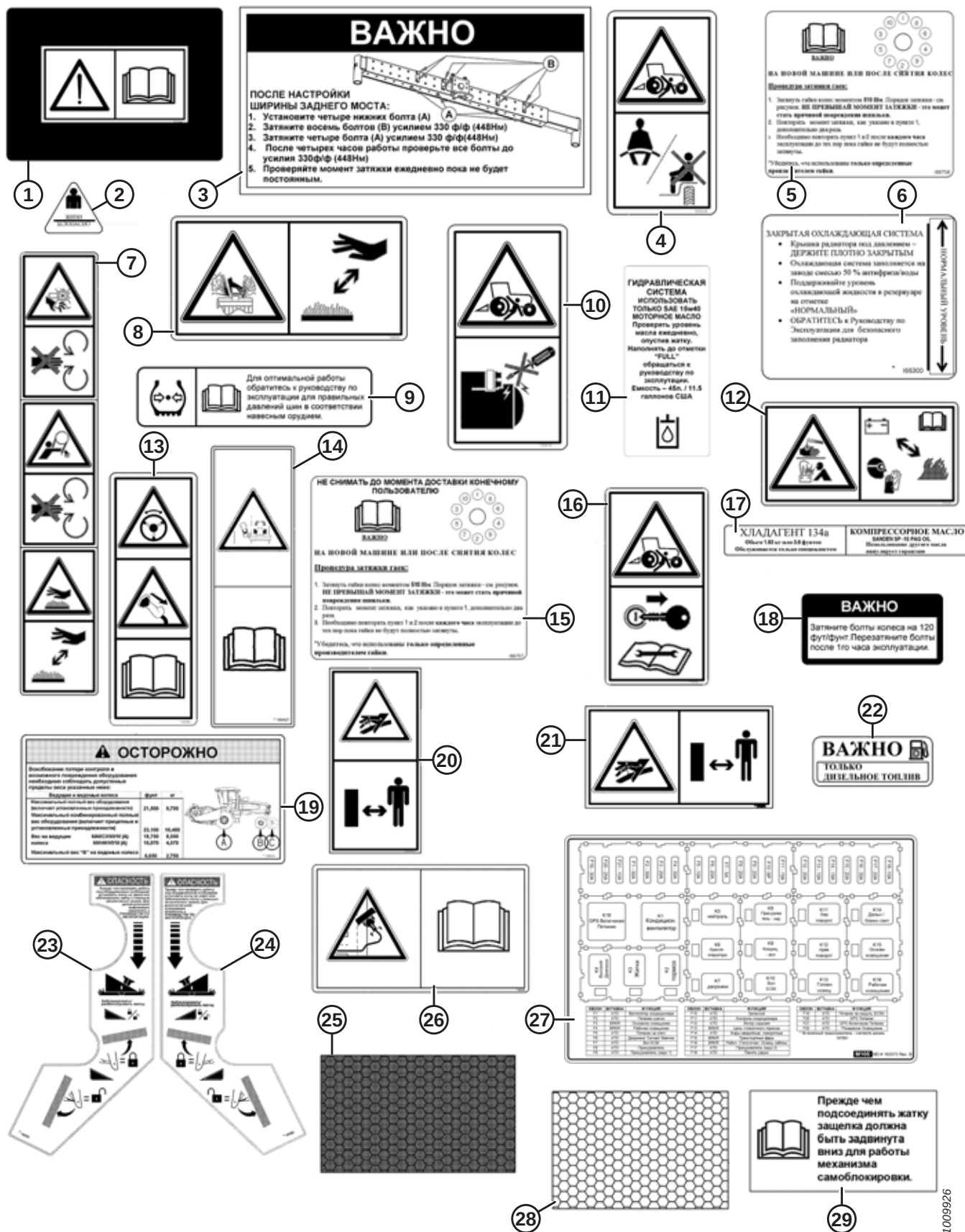
58 Product Identification Decals



PRODUCT IDENTIFICATION DECALS

Ref	Part Number	Description	Qty	Serial Number
1	139712	DECAL – MACDON, LH HOOD	1	
	139713	DECAL – MACDON, RH HOOD	1	
2	163298	DECAL – MACDON, FRONT OF CAB	1	
		WESTWARD		
3	139710	DECAL – WESTWARD, LH HOOD	1	
	139709	DECAL – WESTWARD, RH HOOD	1	
4	163504	DECAL – WESTWARD, FRONT OF CAB	1	
		PREMIER		
5	139708	DECAL – PREMIER, LH HOOD	1	
	139707	DECAL – PREMIER, RH HOOD	1	
6	163497	DECAL – PREMIER, FRONT OF CAB	1	
7	139602	DECAL – CUMMINS	2	
8	167727	DECAL – TRIMBLE READY	1	

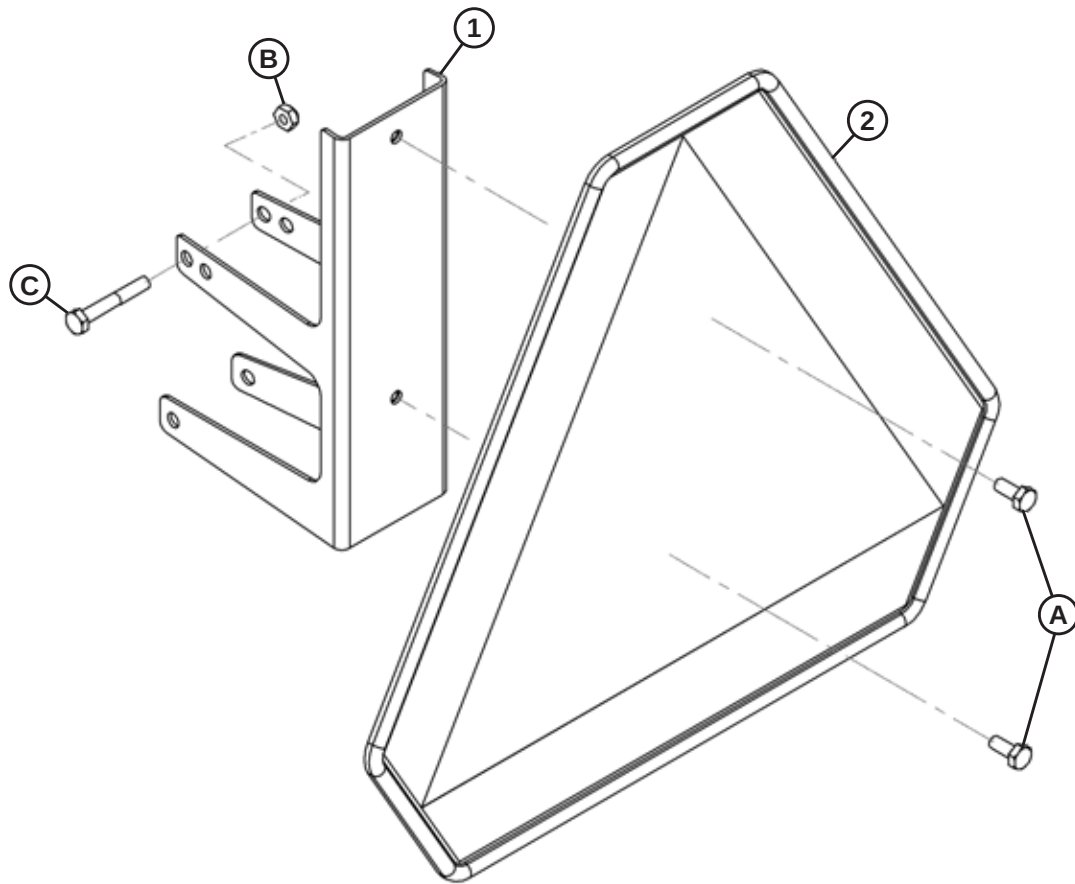
59 Russian Language Decal Package



RUSSIAN LANGUAGE DECAL PACKAGE

Ref	Part Number	Description	Qty	Serial Number
1	166324	DECAL – READ MANUAL		
2	166295	DECAL – SAFETY, RUSSIAN		
3	166278	DECAL – IMPORTANT, RUSSIAN		
4	166234	DECAL – WARNING, TRAINING SEAT AND SEAT BELTS		
5	166706	DECAL – BOLT TORQUE, RUSSIAN (10 BOLT)		
	166473	DECAL – BOLT TORQUE, RUSSIAN (8 BOLT)		
6	166300	DECAL – COOLANT, RUSSIAN		
7	166235	DECAL – WARNING		
8	166232	DECAL – CAUTION		
9	166309	DECAL – TIRE PRESSURE, RUSSIAN		
10	166233	DECAL – DANGER		
11	166282	DECAL – HYDRAULIC OIL, RUSSIAN		
12	166230	DECAL – WARNING, BATTERY EXPLOSION		
13	166263	DECAL – WARNING, STEERING AND GROUND SPEED		
14	160427	DECAL – TRANSPORT		
15	166707	DECAL – BOLT TORQUE, RUSSIAN (10 BOLT)		
	166502	DECAL – BOLT TORQUE, RUSSIAN (8 BOLT)		
16	166236	DECAL – DANGER		
17	183181	DECAL – REFRIGERANT/OIL, RUSSIAN		
18	166308	DECAL – TORQUE WHEEL BOLTS (10X16 CASTERS), RUSSIAN		
19	139015	DECAL – GVW, M150/M200 RUSSIAN		
20	174436	DECAL – HIGH PRESSURE FLUID (VERTICAL FORMAT)		
21	166466	DECAL – HIGH PRESSURE FLUID (HORIZONTAL FORMAT)		
22	166296	DECAL – IMPORTANT DIESEL, RUSSIAN		
23	166323	DECAL – HEADER LOCK, RH, RUSSIAN		
24	166322	DECAL – HEADER LOCK, LH, RUSSIAN		
25	166325	REFLECTOR – RED		
26	166306	DECAL – STEERING CONTROL		
27	183573	DECAL – FUSE BLOCK, RUSSIAN		
28	166326	REFLECTOR – WHITE		
29	139725	DECAL – LATCH HANDLE		

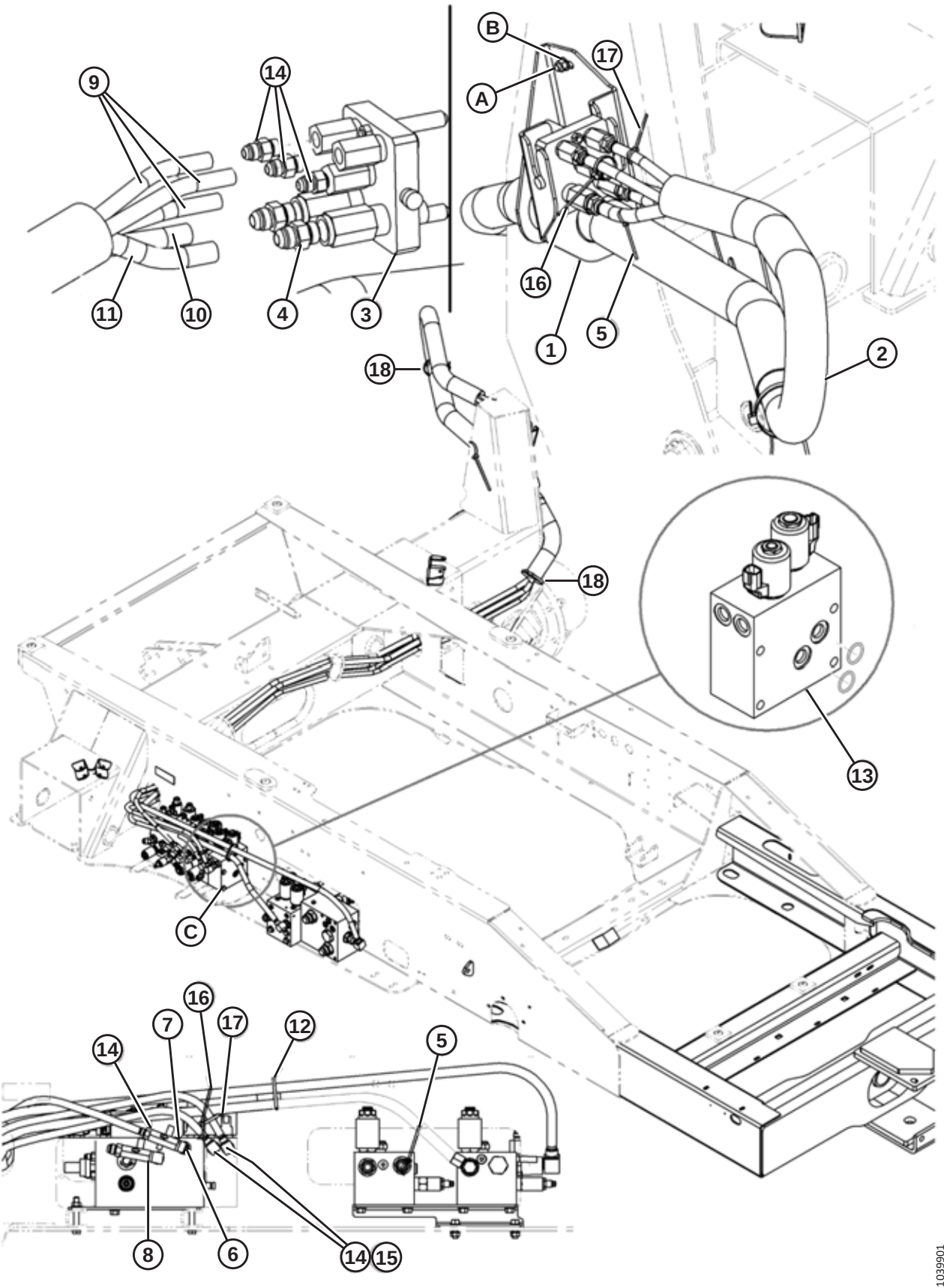
60 Slow Moving Vehicle (SMV) Reflector



SLOW MOVING VEHICLE (SMV) REFLECTOR

Ref	Part Number	Description	Qty	Serial Number
1	161106	SUPPORT – SMV	1	
2	135378	REFLECTOR – SMV	1	
A	21572	BOLT – HEX HD 1/4 NC X 0.625 LG GR 5 ZP		
B	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
C	21570	BOLT – HH 1/4 NC X 2.0 LG GR 5 ZP		

61 Draper Header Reel Hydraulics



1039901

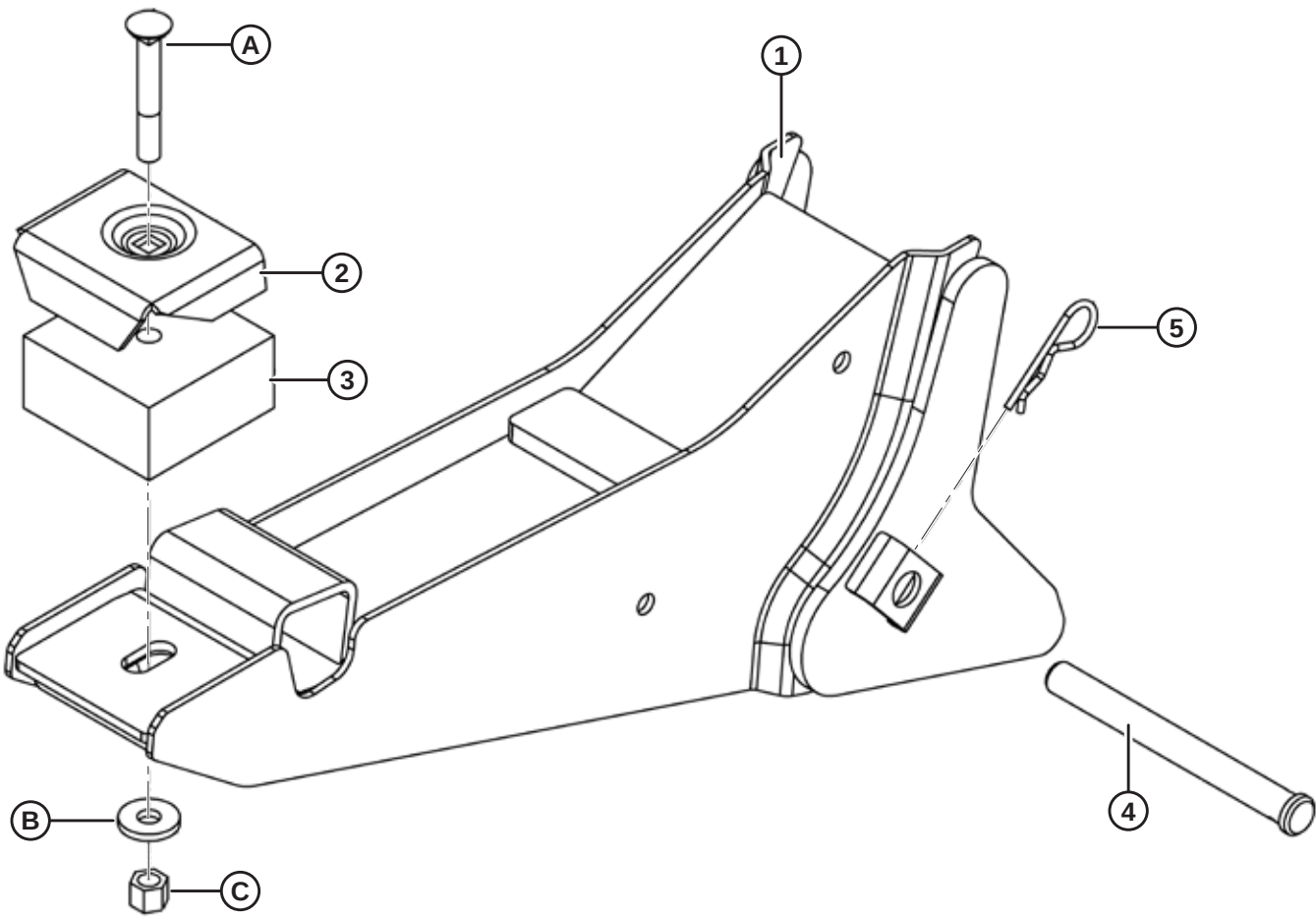
DRAPER HEADER REEL HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	163120	SUPPORT – RH HOSES, WELD'T	1	
2	110546	SLEEVE – HOSE	1	
3	135238	COUPLING – MULTI LINK ⁹⁰	1	
	111981	SEAL KIT – 1/4 IN. COUPLER	3	
	111982	SEAL KIT – 3/8 IN. COUPLER	2	
	111983	SCREW KIT	1	
	111984	DOWEL KIT	1	
	111985	COUPLER – 3/8 IN., LONG	1	
	111986	COUPLER – 1/4 IN.	3	
	294350	COUPLER – 3/8 IN.	1	
4	21030	FITTING – CONNECTOR HYD	2	
5	40701	FASTENER – CABLE TIE (YELLOW)	2	
6	30282	FITTING – ELBOW 90° HYD	1	
7	135015	FITTING – ADAPTER HYD	1	
8	112934	VALVE	1	–244009
	183211	VALVE (2014 PRODUCTION YEAR)	1	244010–
9	110544	HOSE – HYD	3	
10	110542	HOSE – HYD	1	
11	110543	HOSE – HYD	1	
12	21763	FASTENER – NYLON TIE	8	
13	139974	OPT VALVE BLOCK AUX LIFT (REEL FORE AFT – DWA) ⁹¹	1	
14	15903	FITTING – CONNECTOR HYD	6	
15	106717	FITTING – ELBOW 90° HYD	2	
16	40702	FASTENER – CABLE TIE (RED)	2	
17	49227	FASTENER – CABLE TIE (GREEN)	2	
18	30753	FASTENER – CABLE TIE BLACK	2	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
C	21568	BOLT – HH 3/8 NC X 3.0 LG GR 5 ZP		

90. Complete with seal kits (MD #111981, 111982), couplers (MD #111985, 111986, 111987), screw kit (MD #111983), and dowel kit (MD #111984).

91. See Service Bulletin SB1210 re: software update required.

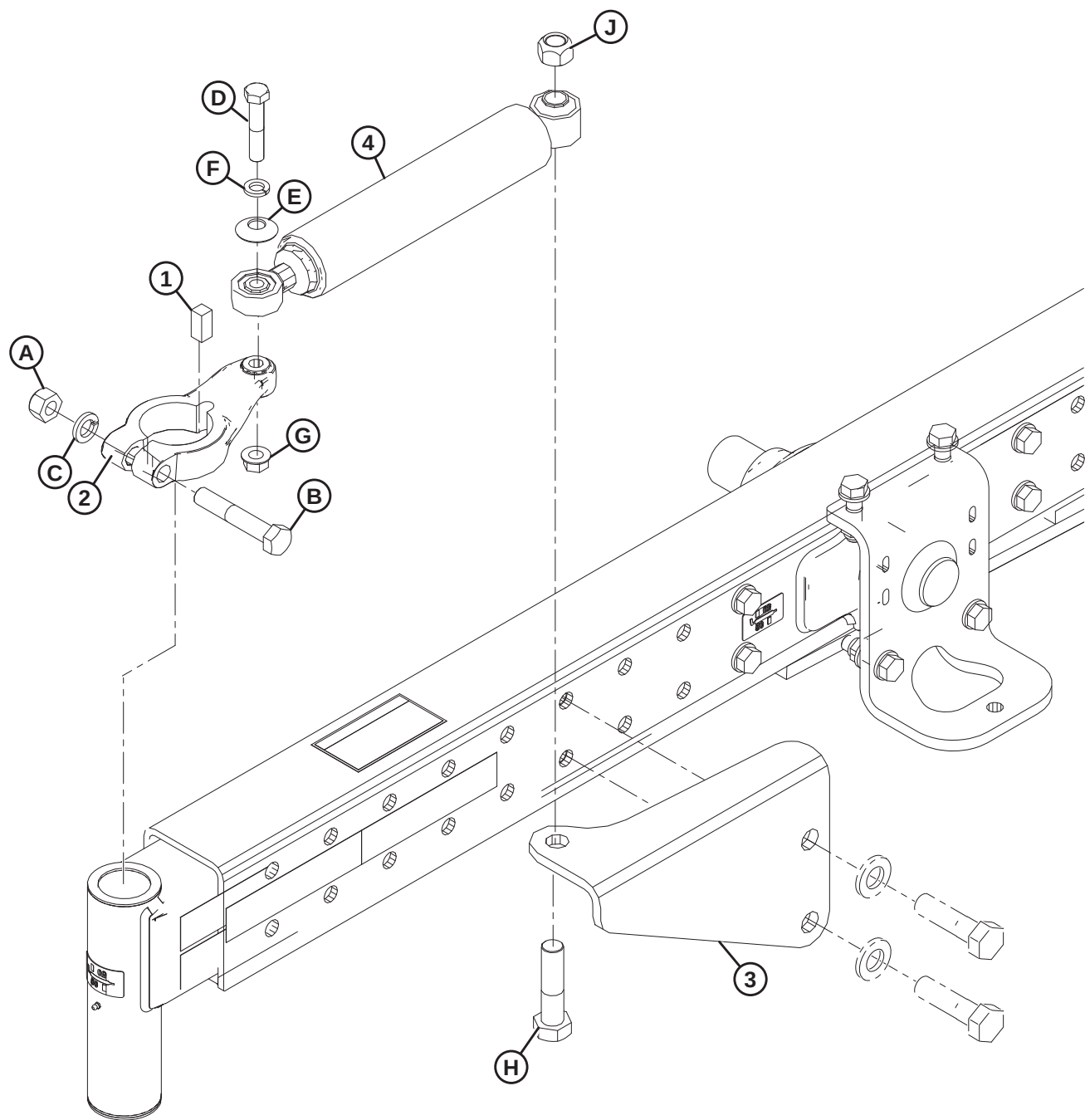
62 Draper Header Supports



DRAPER HEADER SUPPORTS

Ref	Part Number	Description	Qty	Serial Number
1	163088	SUPPORT – DRAPER HEADER, WELDT	2	
2	44575	SUPPORT – PLATE, FOR ISOLATION BLOCK	2	
3	42498	PAD – RUBBER	2	
4	135408	PIN – CLEVIS	2	
5	13125	PIN – HAIR	2	
A	30849	BOLT – RHSN 1/2 NC X 3.5 LG GR 5 ZP		
B	4761	WASHER – FLAT		
C	21389	NUT – HEX LOCK .500-13 UNC		

63 (Option) Anti-Shimmy Kit

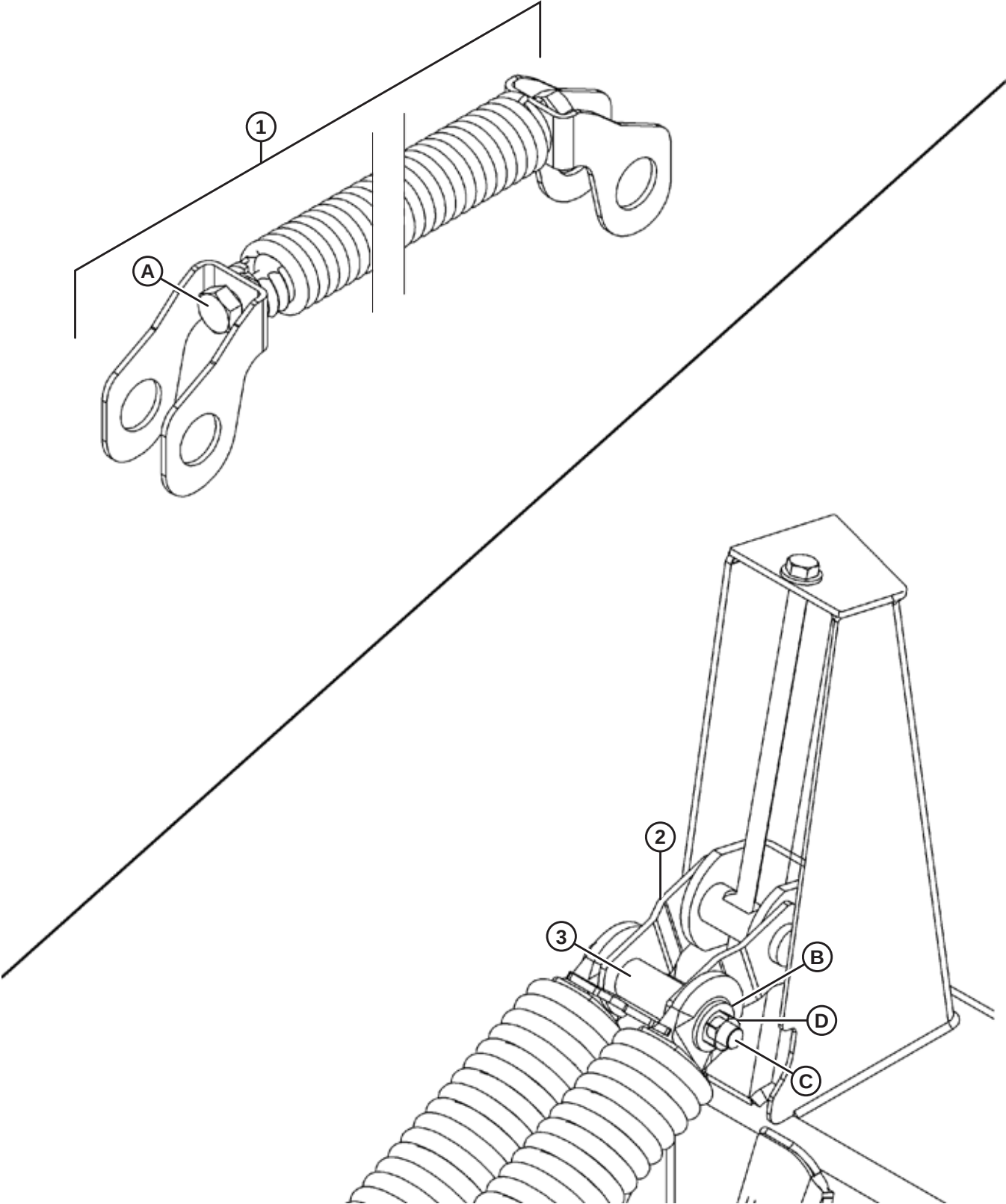


(OPTION) ANTI-SHIMMY KIT

Ref	Part Number	Description	Qty	Serial Number
	B5346	KIT – ANTI-SHIMMY ⁹²		
1	135296	KEY	2	
2	110615	ARM – ANTI-SHIMMY MACHINED	2	
3	110597	BRACKET – LH SHOCK MOUNT	1	
	110598	BRACKET – RH SHOCK MOUNT	1	
4	110600	DAMPENER – ANTI-SHIMMY	2	
A	18666	NUT – HEX LOCK DT 5/8-11 UNC ZP		
B	21406	BOLT – HH 5/8 NC X 3.5 GR 5 ZP		
C	18639	WASHER – REG. LOCK 5/8 IN. NOM. I.D. ZP		
D	135436	BOLT – HH 1/2 NC X 2.5 LG GR 8 ZP		
E	45157	WASHER – FORMED		
F	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		
G	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR 5		
H	30448	BOLT – HH 3/4 NC X 3.0 LG GR 5 ZP		
J	18689	NUT – HEX LOCK DT .750-10 UNC		

92. Kits are available through Whole Goods only.

64 (Option) Auxiliary Springs



1013701

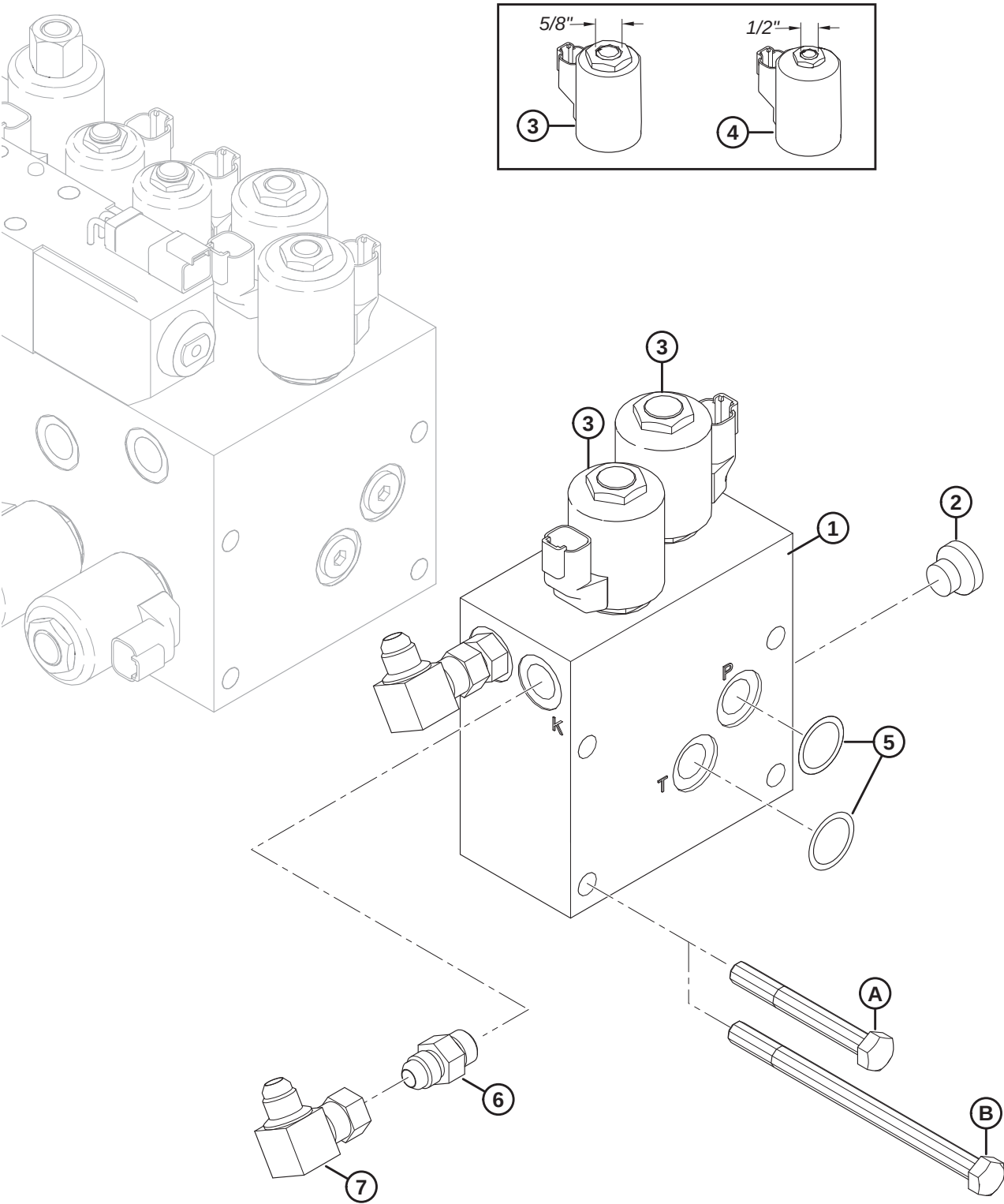
(OPTION) AUXILIARY SPRINGS

Ref	Part Number	Description	Qty	Serial Number
	B4659	KIT – TRACTOR BOOSTER SPRING ⁹³		
1	306107	ASSEMBLY – AUXILIARY SPRING ⁹⁴	2	
A	NSS	BOLT – HH 3/4 NC X 1.5 LG GR 5 BLK		
	B4664	KIT – LIGHT HEADER ⁹³		
2	166202	SUPPORT – SPRING	2	
3	112225	TUBE – PIVOT SUSPENSION	2	
B	25689	WASHER – FLAT		
C	30743	BOLT – HH 3/4 NC X 6.0 LG GR 5 ZP		
D	102636	NUT – HEX DT .750-10 UNC		

93. Kits are available through Whole Goods only.

94. Complete assembly.

65 (Option) Auxiliary Valve Kit



(OPTION) AUXILIARY VALVE KIT

NOTE:

Depending on your unit, you may have more than one valve block installed. Quantities listed are per block.

Ref	Part Number	Description	Qty	Serial Number
	B5269	KIT – AUXILIARY VALVE KIT ⁹⁵		
1	139974	ASSY – VALVE BLOCK AUX LIFT (HEADER TILT, REEL FORE-AFT) ⁹⁶	1	
2	167762	FITTING – ZINC NICKEL SAE #06, 9/16-18 UN 2A	1	
3	163143	VALVE – SOLENOID (FOR 5/8 IN. VALVE STEM) ⁹⁷	2	
	163154	COIL – TOUGH		
	163191	NUT – SPECIAL		
	163160	SEAL KIT		
4	163142	VALVE – SOLENOID ⁹⁷	1	
	163155	COIL – TOUGH		
	49846	SEAL KIT		
	163190	NUT – SPECIAL		
5	320284	O-RING – 2.38 X 20.64 (P, T)	2	
6	15903	FITTING – CONNECTOR HYD (J, K)	2	
7	106717	FITTING – ELBOW 90° HYD (J, K)	2	
A	21568	BOLT – HH 3/8 NC X 3.0 LG GR 5 ZP ⁹⁸		
B	10948	BOLT – HH 3/8 NC X 5.5 LG GR 5 ZP ⁹⁹		

95. Kits are available through Whole Goods only.

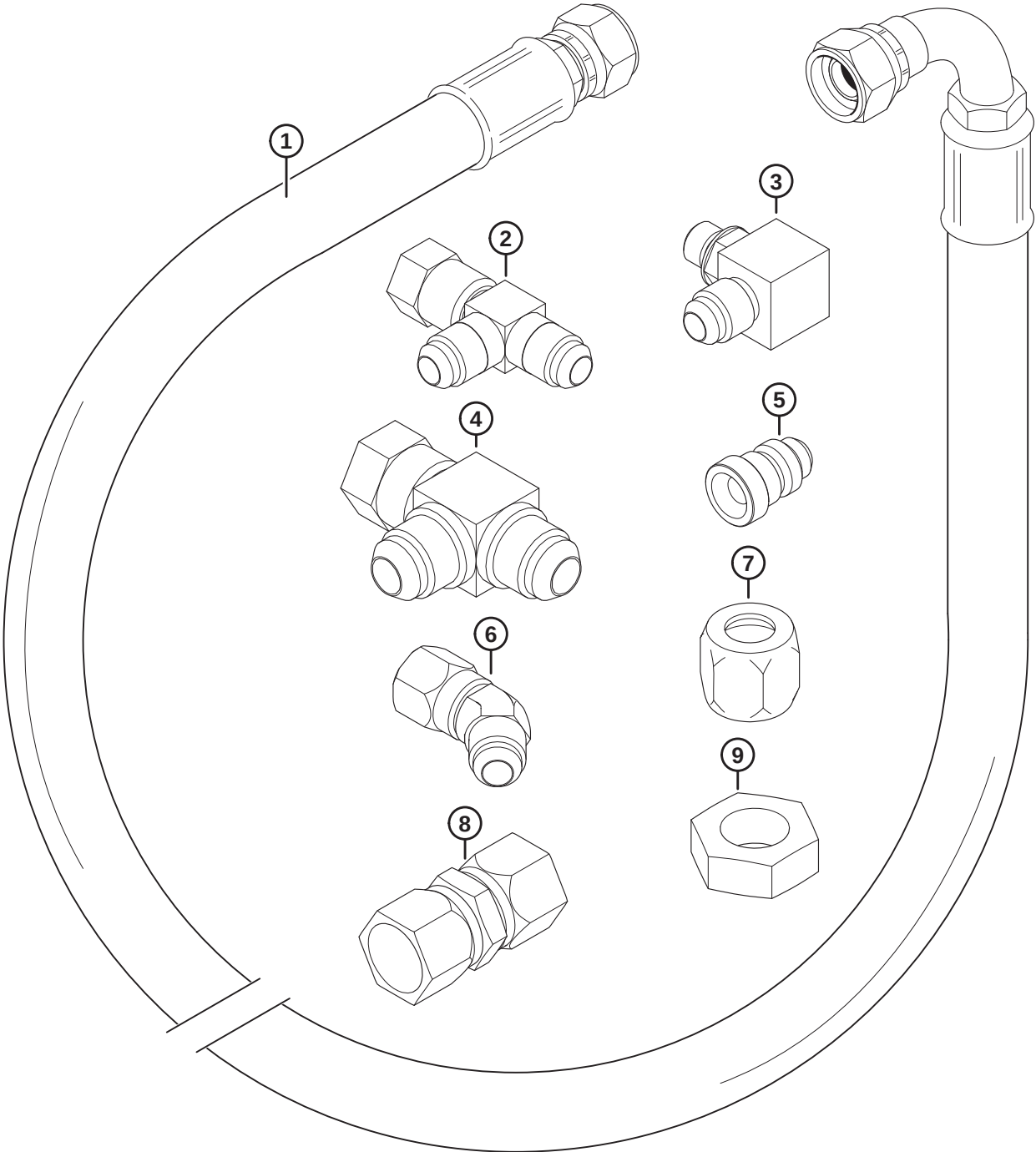
96. Includes fitting (MD #136156), valve (MD #163143), coil (MD #163154), and O-ring (MD #163184). Previously was MD #110575. Refer to Service Bulletin SB 1210 regarding required software update.

97. Auxiliary lift manifold (MD #139974) uses two 5/8 in. valves (MD #163143); the superseded auxiliary manifold (MD #110575) uses one 5/8 in. valve (MD #163143) (4C/4D) and one 1/2 in. valve (MD #163142) (2A/2B).

98. Used with one block.

99. Used with two blocks.

66 (Option) Case Drain Kit



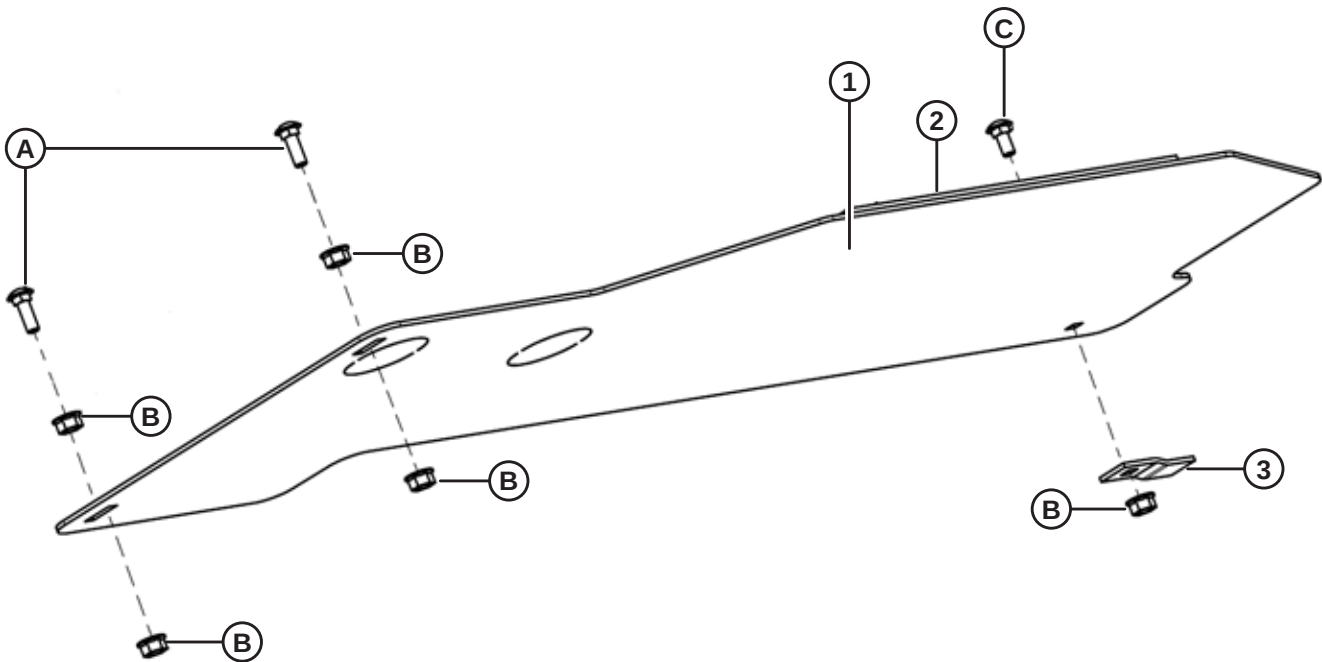
(OPTION) CASE DRAIN KIT

Ref	Part Number	Description	Qty	Serial Number
	B5842	KIT – RIGID DRAPER HEADER CASE DRAIN ¹⁰⁰		
		SINGLE KNIFE		
1	220841	HOSE – HYD, 1/4 IN ID, 4850 MM LG, METAL REIN.	1	
2	30873	FITTING – HYD TEE	1	
3	50104	FITTING – ELBOW 90° HYD	1	
4	108268	FITTING – HYD TEE	0	
5	30981	FITTING – ADAPTER HYD REDUCER 1/2 X 3/8	0	
6	30875	FITTING – ELBOW 45° HYD	1	
7	21069	NUT – TUBE 37° JIC 1/2 IN.	0	
8	135540	FITTING – HYD, #8 SWIVEL FEMALE UNION 37° FLAIR ¹⁰¹	1	
9	7674	NUT – HEX JAM 3/4-16 UNF GR 5 ZP ¹⁰¹	1	
		DOUBLE KNIFE TIMED		
1	220841	HOSE – HYD, 1/4 IN ID, 4850 MM LG, METAL REIN.	1	
2	30873	FITTING – HYD TEE	1	
3	50104	FITTING – ELBOW 90° HYD	1	
4	108268	FITTING – HYD TEE	1	
5	30981	FITTING – ADAPTER HYD REDUCER 1/2 X 3/8	1	
6	30875	FITTING – ELBOW 45° HYD	1	
7	21069	NUT – TUBE 37° JIC 1/2 IN.	1	
8	135540	FITTING – HYD, #8 SWIVEL FEMALE UNION 37° FLAIR ¹⁰¹	1	
9	7674	NUT – HEX JAM 3/4-16 UNF GR 5 ZP ¹⁰¹	1	
		DOUBLE KNIFE UNTIMED		
1	220841	HOSE – HYD, 1/4 IN ID, 4850 MM LG, METAL REIN.	1	
2	30873	FITTING – HYD TEE	1	
3	50104	FITTING – ELBOW 90° HYD	1	
4	108268	FITTING – HYD TEE	0	
5	30981	FITTING – ADAPTER HYD REDUCER 1/2 X 3/8	0	
6	30875	FITTING – ELBOW 45° HYD	1	
7	21069	NUT – TUBE 37° JIC 1/2 IN.	0	

100. Kits are available through Whole Goods only.

101. Only required on 15-foot headers.

67 (Option) Fan Air Baffle Kit

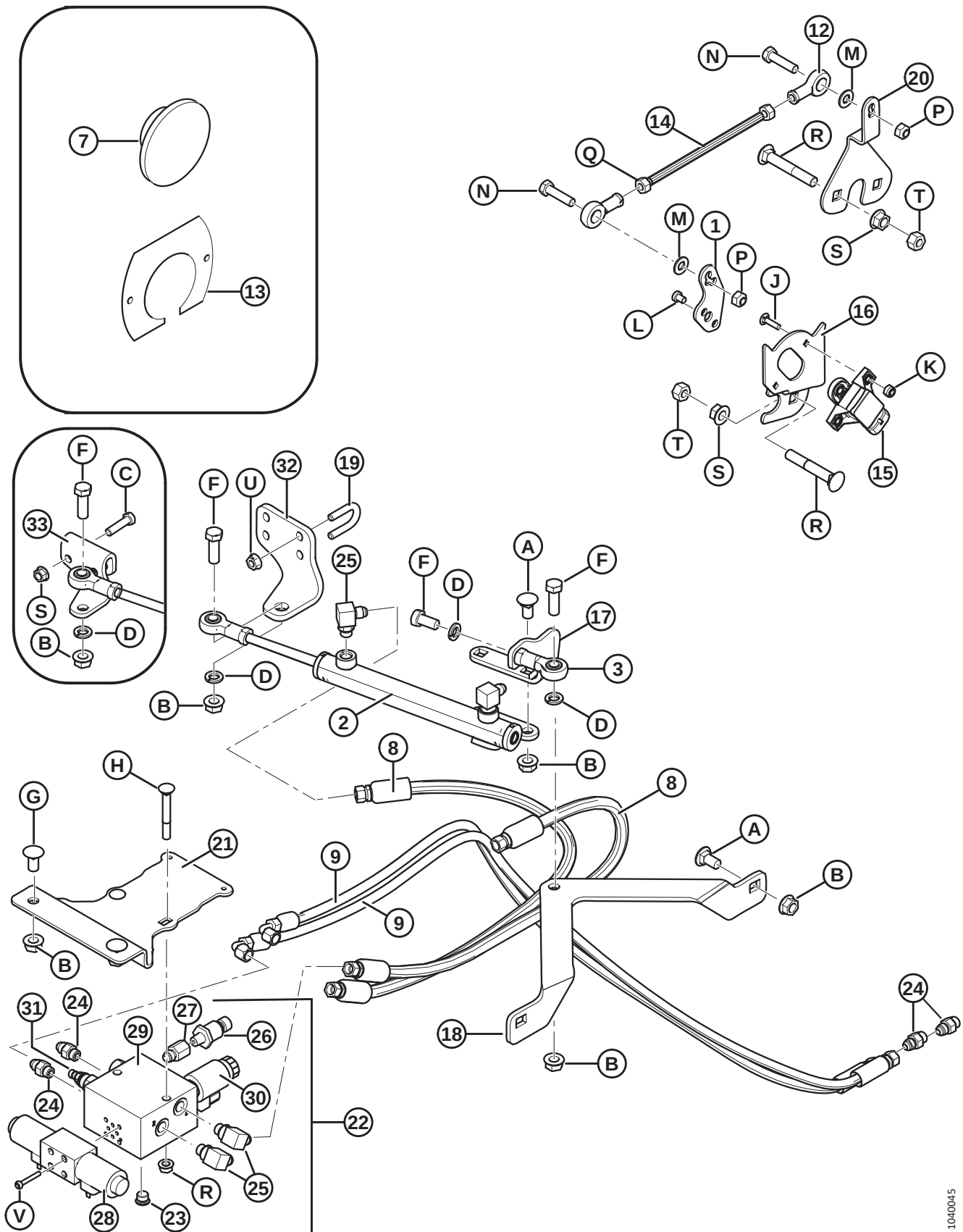


(OPTION) FAN AIR BAFFLE KIT

Ref	Part Number	Description	Qty	Serial Number
	B5440	KIT – FAN AIR BAFFLE ¹⁰²		
1	138465	BAFFLE – FAN AIR C/W SEAL	1	
2	138464	SEAL – FOAM, 6 X 13 X 300 MM LG	1	
3	138238	TAB – UNDER TRAY MOUNTING	1	
A	21282	BOLT – RHSN 5/16 NC X 1.0 GR 5 ZP		
B	30280	NUT – FLG (SMTH FACE) 5/16 NC SIDE LK GR 5 ZP		
C	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		

102. Kits are available through Whole Goods only.

68 (Option) Hydraulic Autosteer



1040045

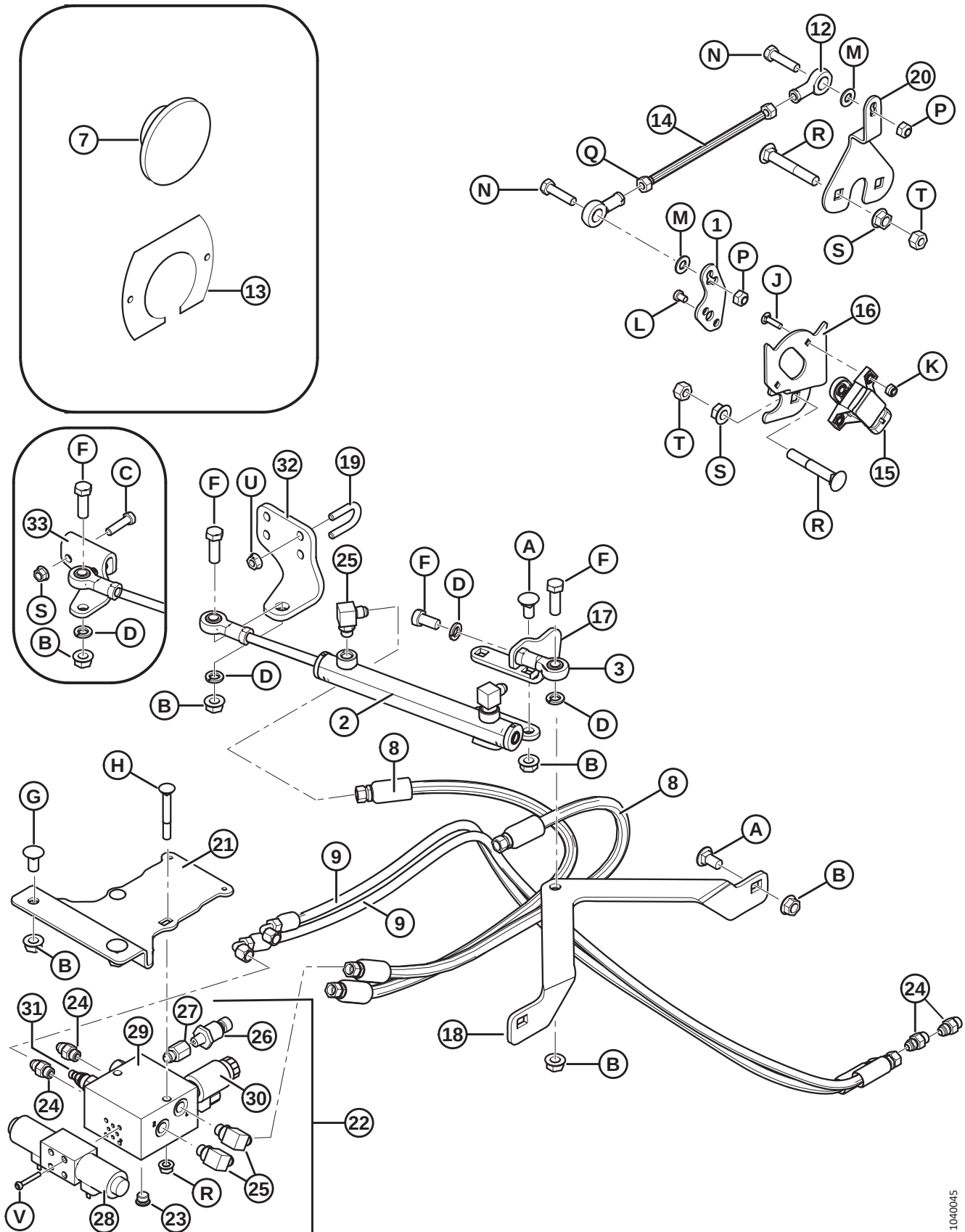
(OPTION) HYDRAULIC AUTOSTEER

Ref	Part Number	Description	Qty	Serial Number
	B5589	KIT – AUTOSTEER HYDRAULIC INTERFACE ¹⁰³		
1	173155	ARM – LINKAGE	1	
2	208650	CYLINDER – THROUGH ROD	1	
	173575	SEAL KIT		
3	30083	JOINT – BALL	1	
7	173139	GROMMET	3	
8	173547	HOSE – HYD, 3/8 IN. I.D., 800 MM LG, METAL REIN.	2	
9	173222	HOSE – HYD, 1/4 IN. I.D., 1200 MM LG, METAL REIN.	2	
12	109312	JOINT – BALL, 5/16 IN. FEMALE	2	
13	173140	PLATE – COVER	1	
14	173113	ROD – LINK	1	
15	173091	SENDER – ROTARY POSITION	1	
16	173170	SUPPORT – SENSOR MOUNT	1	
17	173208	SUPPORT – CYLINDER BALL JOINT	1	
18	173016	SUPPORT – CYLINDER BASE	1	
19	166469	U-BOLT – 1/4 X 20 NC 0.5 LG ZP GR 5	2	
20	173115	SUPPORT – LINKAGE MOUNT	1	
21	173006	SUPPORT – MANIFOLD	1	
22	173066	VALVE – STEERING MANIFOLD ASSEMBLY	1	
23	100577	PLUG – HEX SOCKET 0.8 X 35 LG ZP	1	
24	15903	FITTING – ADAPTOR	2	
25	30282	FITTING – ELBOW	2	
26	173116	SENSOR – PRESSURE 500 PSI	1	
27	53157	FITTING – ADAPTOR C/W O-RING	1	
28	173029	VALVE – STEERING MANIFOLD	1	
	173562	COIL		
	173563	RETAINER		
	173564	SEAL KIT		
29	173656	MANIFOLD – STEERING	1	
30	173590	VALVE – DIRECTIONAL C/W COIL	1	
	173561	COIL – SOLENOID, 12 VDC		
	173560	SEAL KIT		
31	173040	VALVE – PRESSURE REDUCING/RELIEF	1	
	173559	SEAL KIT		
32	166468	SUPPORT – CYLINDER END (2013 AND LATER)	1	229510–
33	NSS	SUPPORT – CYLINDER END (2012 AND PRIOR) ¹⁰⁴	1	–229509
A	21066	BOLT – RHSN 1/2 NC X 1 GR 5 ZP		
B	50186	NUT – FLG LOCK SMTH FACE DT 0.500-13 UNC GR 5		
C	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
D	18638	WASHER – REG. LOCK 1/2 IN. NOM. I.D. ZP		

103. Kits are available through Whole Goods only.

104. Cylinder end support shown is no longer serviceable. To replace part, order support (MD #166468).

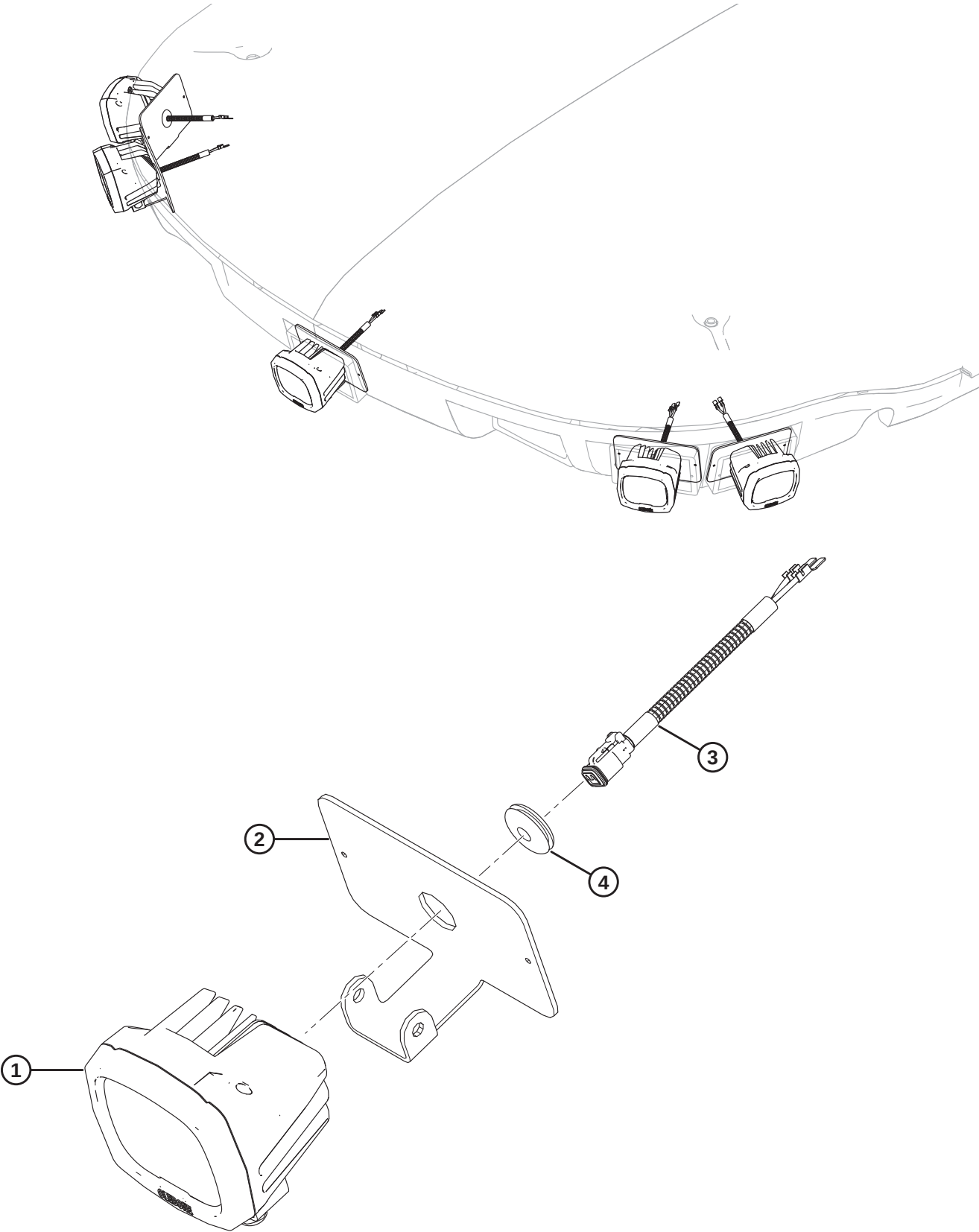
(OPTION) HYDRAULIC AUTOSTEER



(OPTION) HYDRAULIC AUTOSTEER

Ref	Part Number	Description	Qty	Serial Number
F	18723	BOLT – HH 1/2 NC X 1.5 LG TFL GR 5 ZP		
G	21868	BOLT – RHSSN 1/2 NC X 1.0 GR 5 ZP		
H	30307	BOLT – RHSN 3/8 NC X 3.0 LG GR 5 ZP		
J	158722	BOLT – RHSN #10-24 NC X 3/4 GR.2 ZP		
K	105197	NUT – HEX LOCK .187-24 UNC		
L	158704	SCREW – PHILIPS PAN HD M6 X 1.0 X 8 MM LG		
M	18597	WASHER – SAE FLAT 11/32 I.D. X 11/16 IN. O.D. ZP		
N	21526	BOLT – HH 5/16 NC X 1.25 LG GR 5 ZP		
P	18690	NUT – HEX LOCK DT 5/16-18 UNC ZP		
Q	20214	NUT – HEX 5/16-24 UNF GR 5 ZP		
R	21478	BOLT – RHSN 3/8 NC X 2.5 LG GR 5 ZP		
S	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
T	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
U	135248	NUT – FLG DT SMTH FACE 1/4 x 20 NC 0.5 LG ZP GR 5		
V	320391	SCREW – HEX SOC HD #10-24 X 1.5 GR8-ZINC	4	

69 (Option) LED Work Light

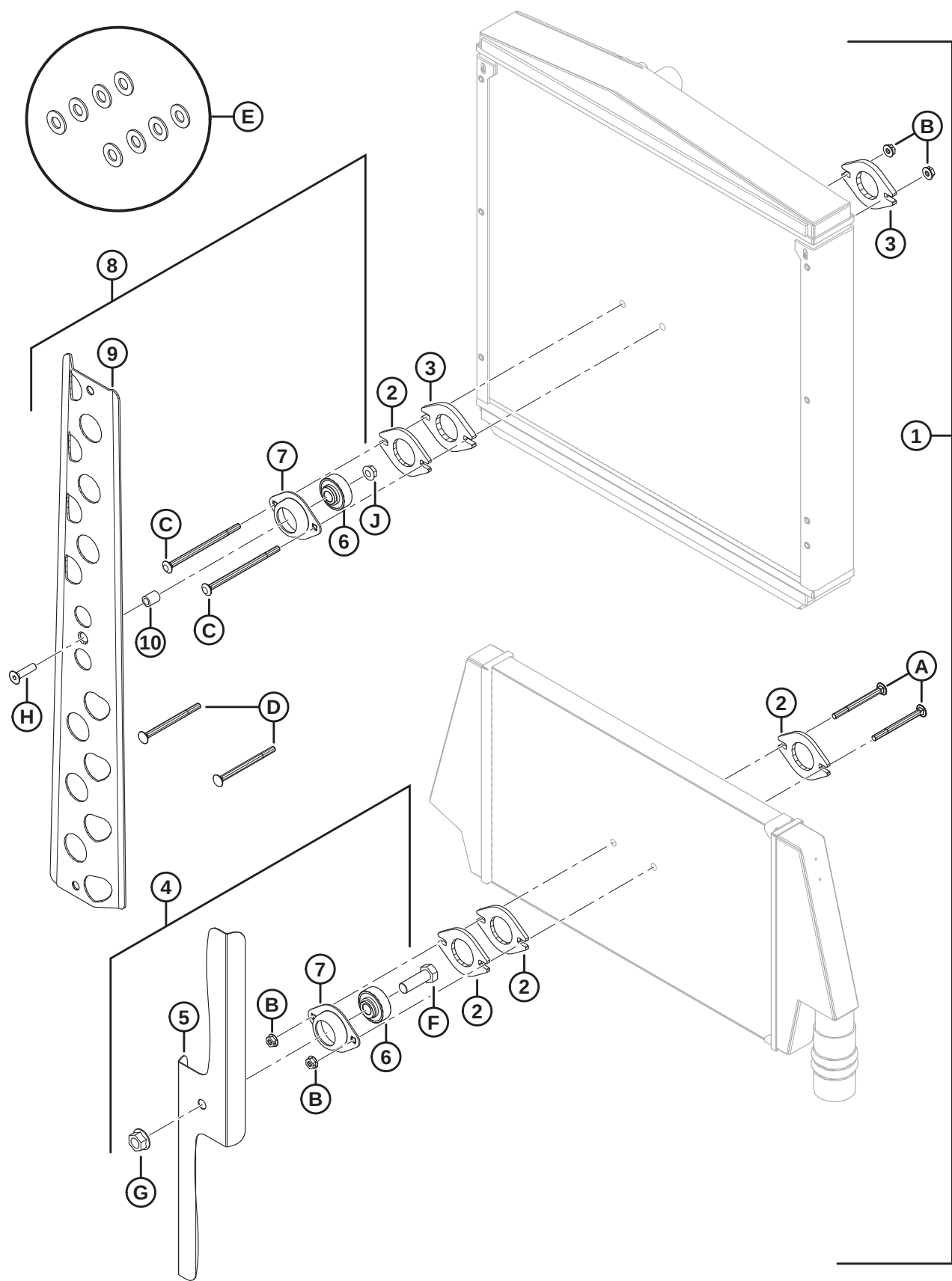


(OPTION) LED WORK LIGHT

Ref	Part Number	Description	Qty	Serial Number
1	306182	LIGHT – WORK, LED ¹⁰⁵	1	
2	183909	BRACKET – LED WORK LIGHT	1	
3	183991	HARNESS – WORK LIGHT ADAPTER	1	
4	42415	GROMMET	1	

105. Includes mounting hardware (bolt, nut, and washer), not sold separately.

70 (Option) Sweeps Kit



1025981

(OPTION) SWEEPS KIT

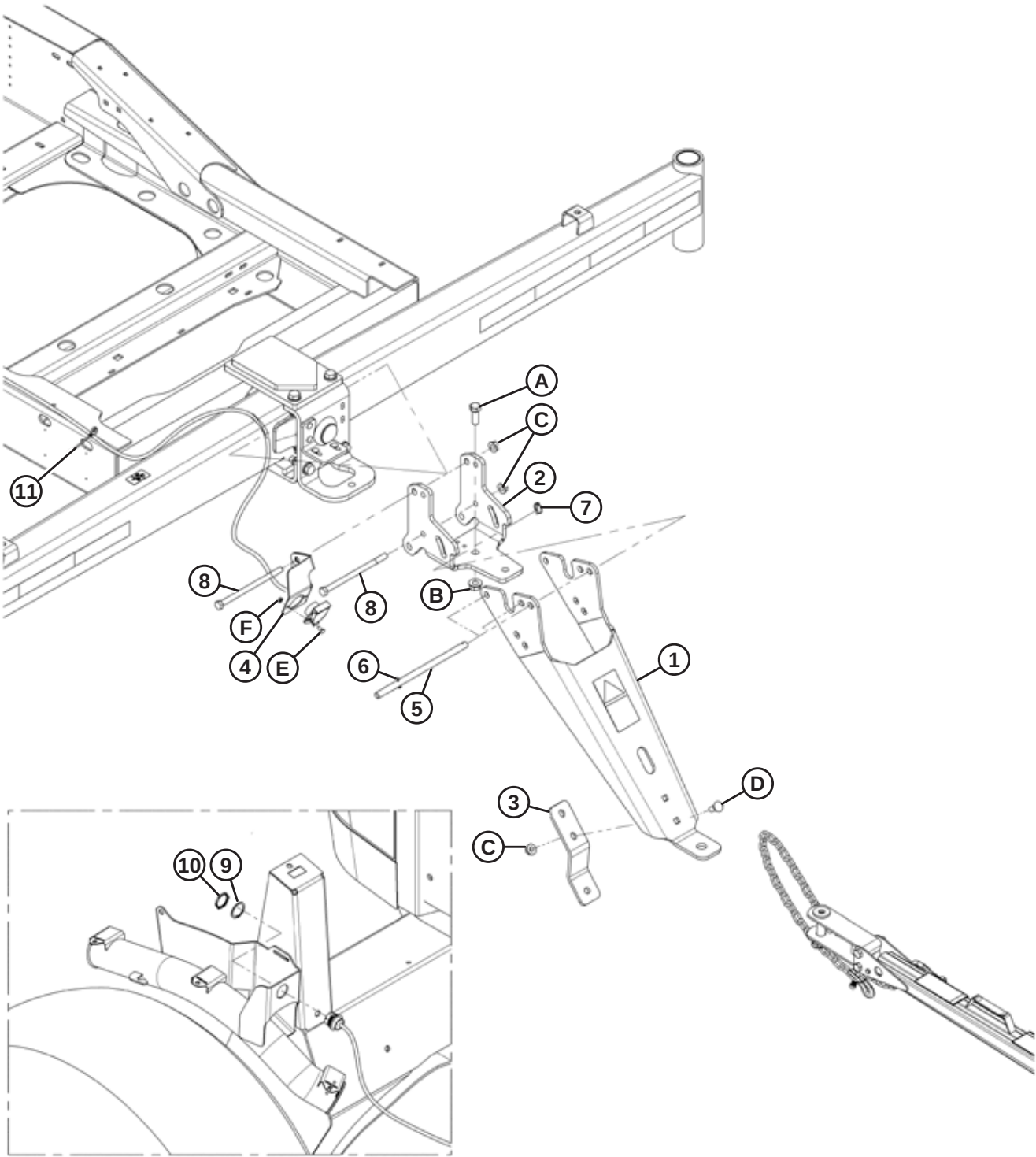
Ref	Part Number	Description	Qty	Serial Number
		5 SERIES SWEEPS KIT		
1	167958	KIT – 5 SERIES SWEEPS ¹⁰⁶	1	
2	138452	SPACER – CAC SWEEP	4	
3	139986	SPACER – RAD SWEEP	2	
A	139825	BOLT – RHSN 1/4-20 X 3 GR 5 ZN PL		
B	135248	NUT – FLG SMTH FACE 1/4-20 NC GR 5 ZN PL CTR LK DT		
C	136079	BOLT – RHSN 1/4-20 X 4.5 GR 5 ZN PL		
D	136885	BOLT – RHSN 1/4-20 X 3.5 GR 5 ZN PL		
E	18598	WASHER – SAE FLAT 13/32 I.D X 13/16 IN. O.D. ZN PL		
		CAC SWEEP		
4	167434	SWEEP ASSY, CAC ¹⁰⁷	1	
5	138340	SWEEP – 5-SERIES CAC	1	
6	166020	BEARING – BALL CYL 12.7MM I.D.	1	
7	166021	HOUSING – BEARING	1	
F	18723	BOLT – HH 1/2 NC X 1.5 LG TFL GR 5 ZP		
G	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR 5		
		RAD SWEEP		
8	183748	SWEEP ASSY, RAD ¹⁰⁸	1	
9	167998	SWEEP – RADIATOR	1	
6	166020	BEARING – BALL CYL 12.7MM I.D.	1	
7	166021	HOUSING – BEARING	1	
10	252756	SPACER	1	
H	252755	SCREW – CSK SOC HD 5/16-18 X 1.25-GR5-AF0C		
J	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		

106. Includes all listed assemblies, parts, and hardware.

107. Includes sweep (MD #138340), bearing (MD #166020), bearing housing (MD #166021), and hardware (MD #18723 and 50186).

108. Includes radiator sweep (MD #167998), bearing (MD #166020), bearing housing (MD #166021), spacer (MD #252756), and hardware (MD #252755 and 30280).

71 (Option) Transport Drawbar

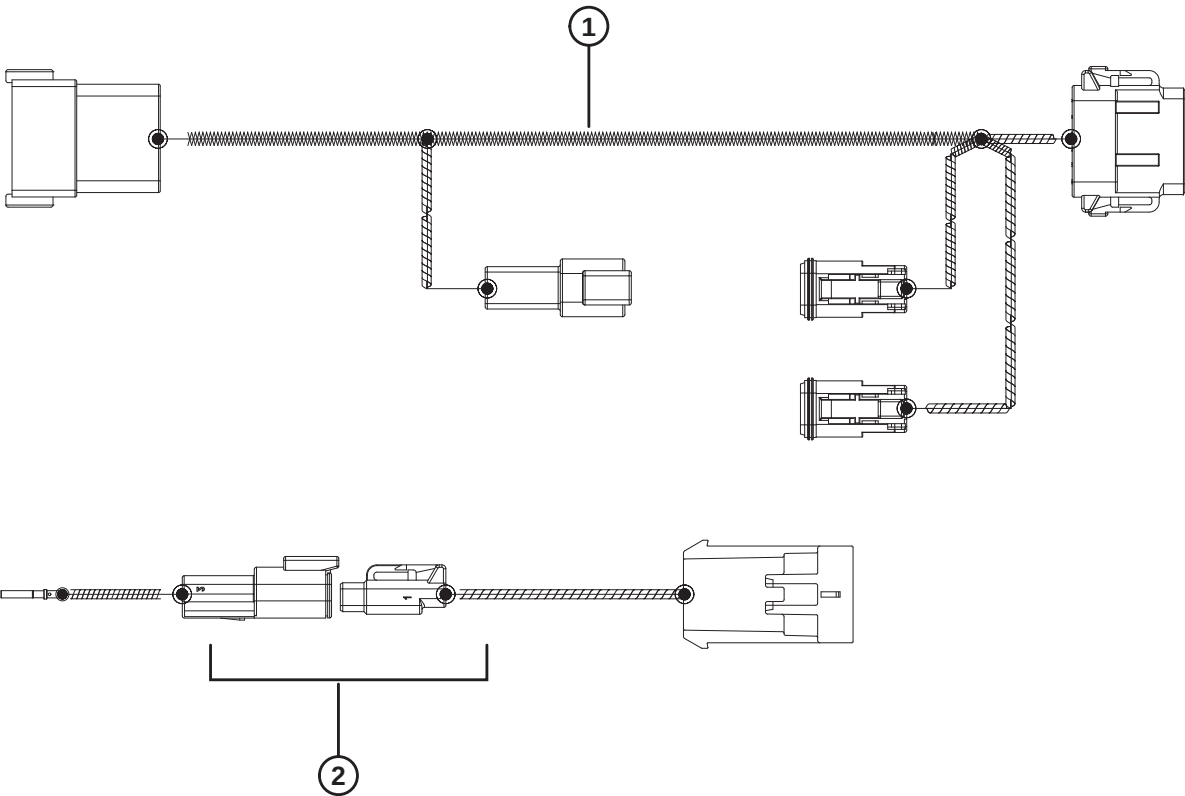


(OPTION) TRANSPORT DRAWBAR

Ref	Part Number	Description	Qty	Serial Number
	B5411	KIT – M105 TRANSPORT DRAWBAR ¹⁰⁹		
1	183095	SUPPORT – DRAWBAR C/W DECAL	1	
2	183089	SUPPORT – FRAME CLAMP	1	
3	183092	SUPPORT – DRAWBAR	1	
4	183093	SUPPORT – RECEPTACLE	1	
5	183090	PIN – STRAIGHT	3	
6	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	3	
7	50193	PIN – LYNCH	3	
8	135638	BOLT – HEX HD 5/8 NC X 10 LG GR 5 ZP	3	
9	134011	WASHER – LOCK SPRING	1	
10	134010	NUT – PANEL	1	
11	21763	FASTENER – CABLE TIE (BLACK)	3	
A	30512	BOLT – HH 3/4 NC X 2.0 LG GR 5 ZP		
B	135367	NUT – FLANGE DT SMTH FACE 0.75-10 UNC GR 5 ZP		
C	50225	NUT – FLANGE SMOOTH FACE .625-11 UNC		
D	18523	BOLT – RHSN 5/8 NC X 1.5 GR 5 ZP		
E	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
F	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		

109. Kits are available through Whole Goods Only.

72 (Option) Trimble GFX Display Compatibility Kit



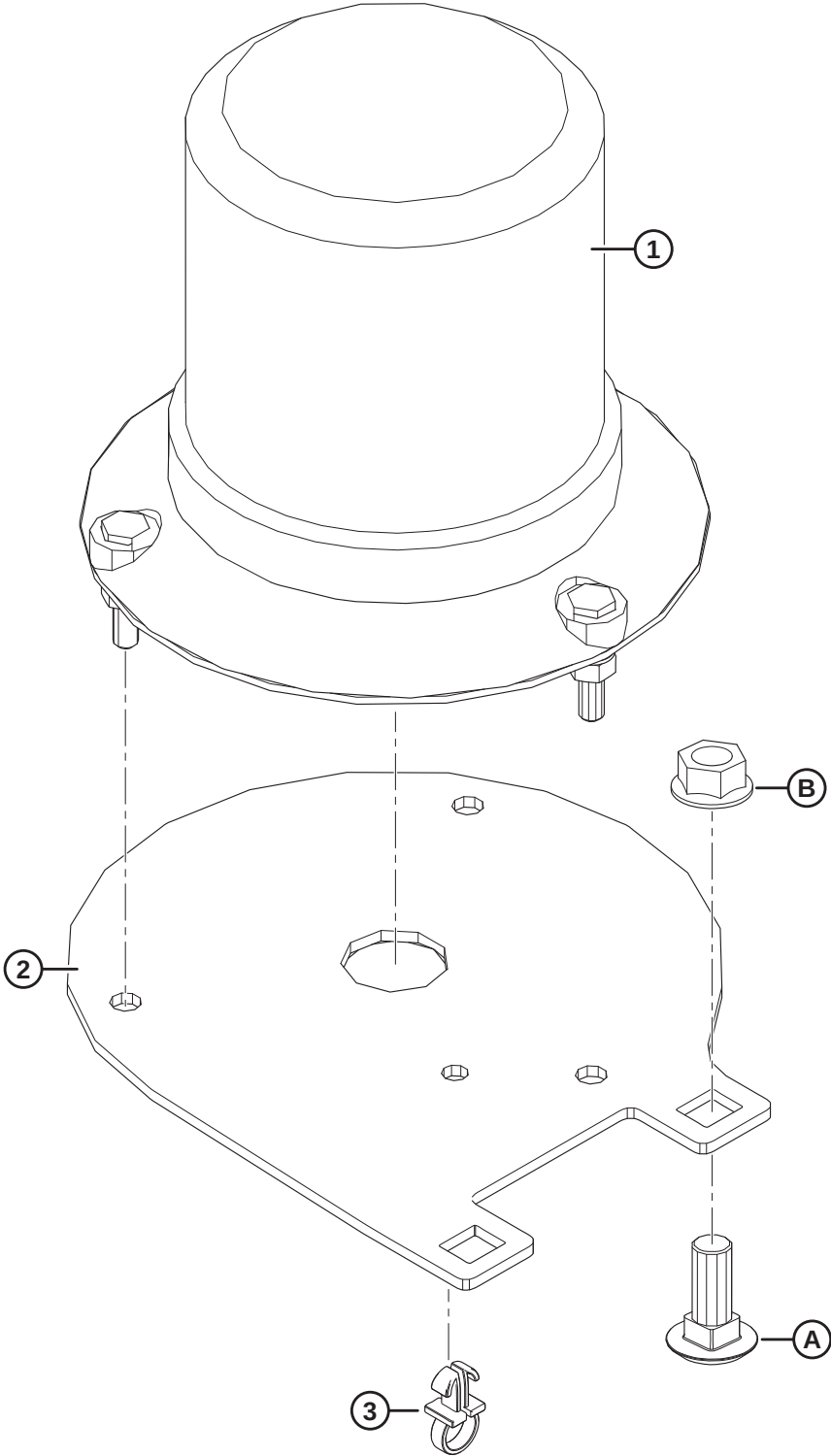
1038192

(OPTION) TRIMBLE GFX DISPLAY COMPATIBILITY KIT

Ref	Part Number	Description	Qty	Serial Number
	B9003	KIT – TRIMBLE GFX DISPLAY, M SERIES ¹¹⁰		
1	309035	HARNESS – ADAPTER, GFX GUIDANCE SYSTEMS	1	
2	309043	JUMPER – TBC, GPS, M SERIES	1	

110. Kits are available through Whole Goods only.

73 (Option) Warning Beacon



1018733

(OPTION) WARNING BEACON

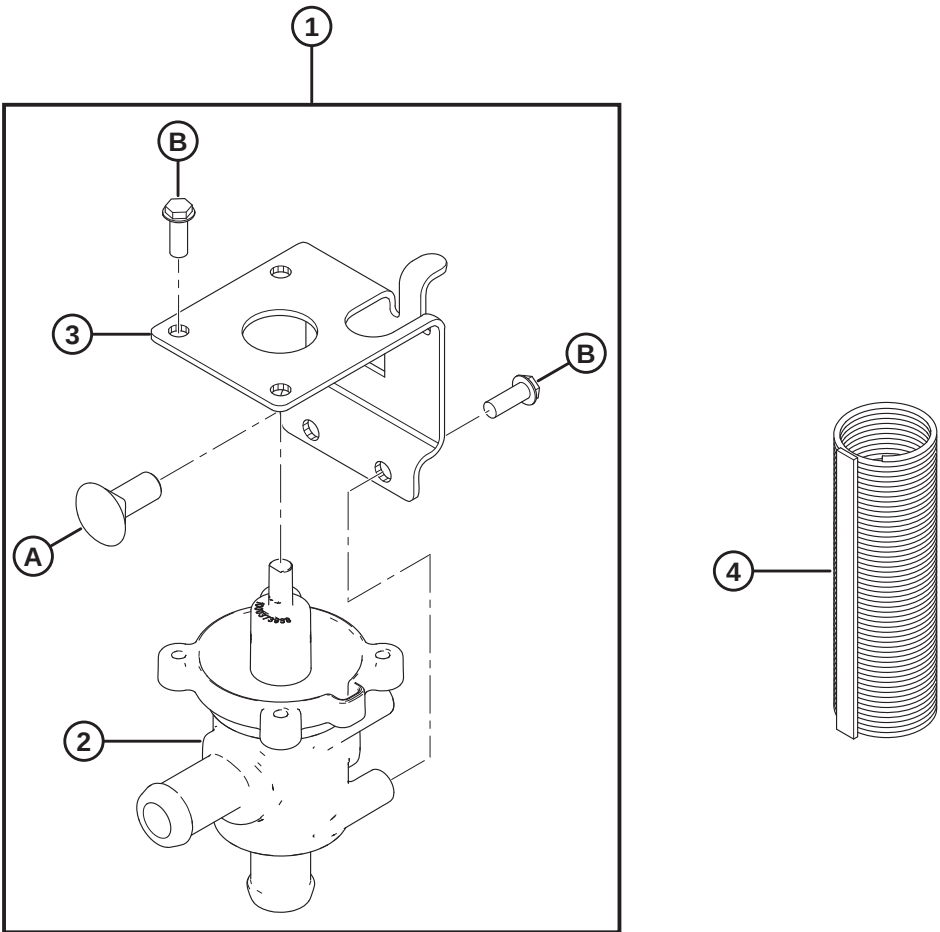
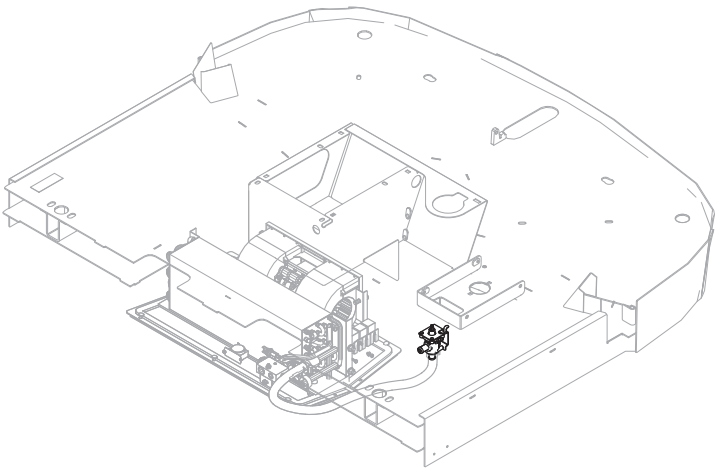
Ref	Part Number	Description	Qty	Serial Number
	B5582	KIT – WARNING BEACON, 5 SERIES ¹¹¹		
1	167884	LIGHT – BEACON, LED ¹¹²	2	301190–
	160378	LENS – AMBER ¹¹³		–301189
	160379	BULB – H1, 12V, 55W ¹¹³		–301189
2	138269	SUPPORT – BEACON	2	
3	30542	FASTENER – NYLON CLIP (BLACK)	2	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLG DT SMOOTH FACE 0.375-16 UNC		

111. Kits are available through Whole Goods only.

112. LED beacon light came standard on all model year 2017 and later units. Can be used to upgrade or replace model year 2016 and prior warning beacon lamp (incandescent bulb). Comes complete with mounting hardware and gasket.

113. Replacement part for warning beacon lamp MD #160374 used on model year 2016 and prior. Replace damaged warning beacon lamp MD# 160374 with LED beacon light MD #167884.

74 (Option) Water Valve Kit



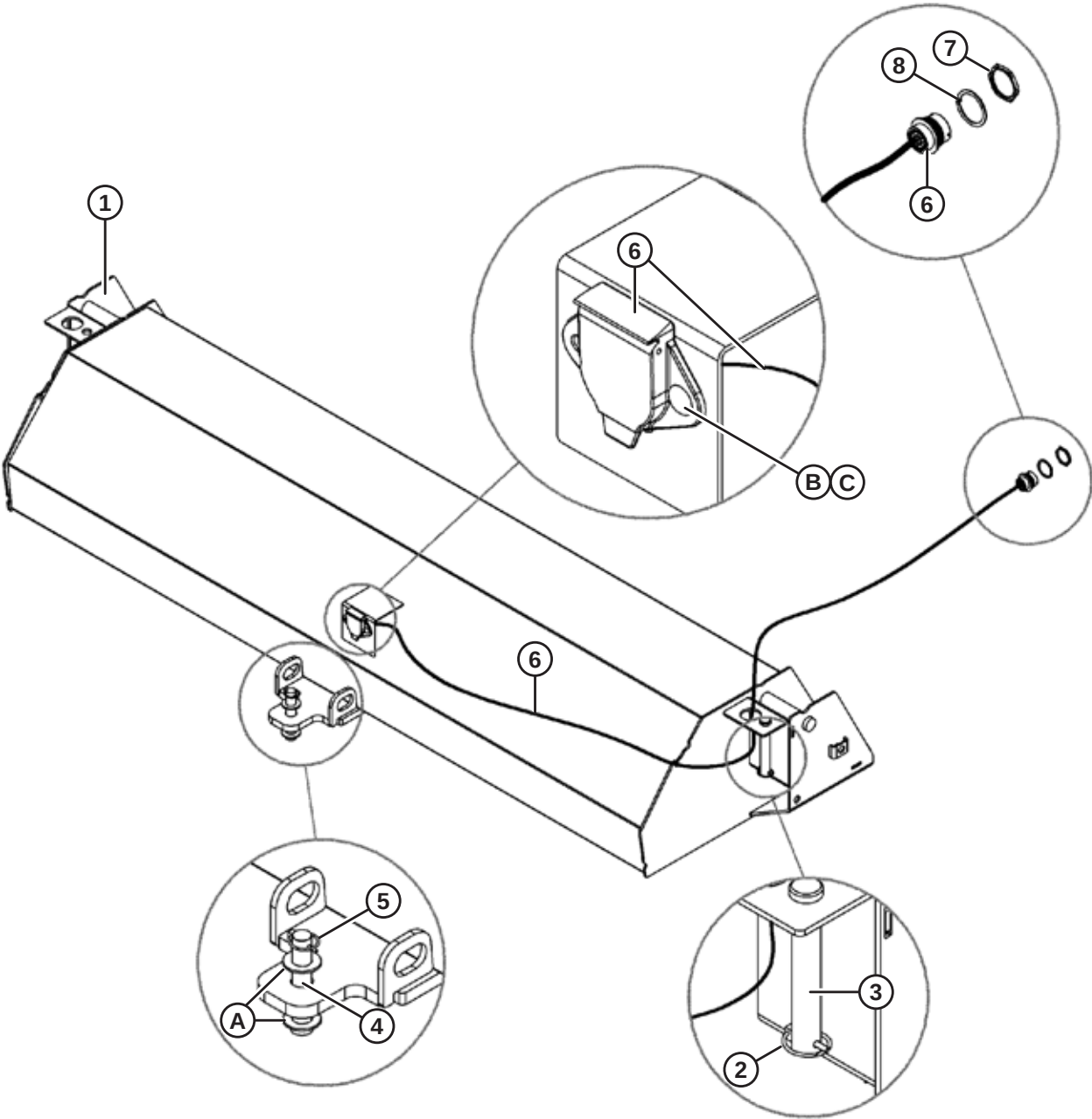
(OPTION) WATER VALVE KIT

Ref	Part Number	Description	Qty	Serial Number
	183235	KIT – VALVE, WATER, M105/W110 (SERVICE ONLY) ¹¹⁴		
1	183228	ASSEMBLY – WATER VALVE ¹¹⁵	1	
2	183229	VALVE – WATER	1	
3	183230	SUPPORT – HEATER VALVE	1	
4	183236	SPRING – E-Z COIL, 5/8 IN.	1	
A	21281	BOLT – RHSN 5/16-18X.75 GR 5 ZP		
B	136407	SCREW – HEX FLG PLASTITE #8-16X1/2 GR 5		

114. Used to service units made in model year 2013 and prior. Kit includes items #1–4, hardware, and instructions.

115. Includes valve (MD #183229), support (MD #183230), bolt (MD #21281), and screw (MD #136407).

75 (Option) Weight Box



(OPTION) WEIGHT BOX

Ref	Part Number	Description	Qty	Serial Number
	B5238	KIT – WEIGHT BOX (C/W CONCRETE FILL) ¹¹⁶		
	B5240	KIT – WEIGHT BOX (LESS CONCRETE) ¹¹⁷		
	B5280	KIT – WIRING HARNESS FOR WEIGHT BOX ¹¹⁸		
1	122080	FRAME – WEIGHT BOX WELDMENT	1	
2	102264	PIN – LYNCH 3/16 X 1-9/16 IN.	2	
3	112752	PIN – CLEVIS	2	
4	49341	PIN – CLEVIS	1	
5	102264	PIN – LYNCH 3/16 X 1-9/16 IN.	1	
6	122090	HARNESS – TRANSPORT ADAPTER ¹¹⁹	1	
7	134010	NUT – PANEL	1	
8	134011	WASHER – LOCK SPRING	1	
A	18603	WASHER – SAE FLAT 1-1/16 I.D. X 2.0 IN. O.D. ZP		
B	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
C	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		

116. Kits are available through Whole Goods only.

117. For export orders, order Weight Box Less Concrete (MD #B5240). Weight box must be filled with concrete at destination as per supplied instructions. Kits are available through Whole Goods only.

118. Includes lynch pin (MD #102264). Kits are available through Whole Goods only.

119. Includes panel nut (MD #134010) and washer (MD #134011).

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