

M150 and M200 Self-Propelled Windrower

Parts Catalog

169016 Revision D

Original Instruction

M150 Self-Propelled Windrower



1035836

Published April 2021

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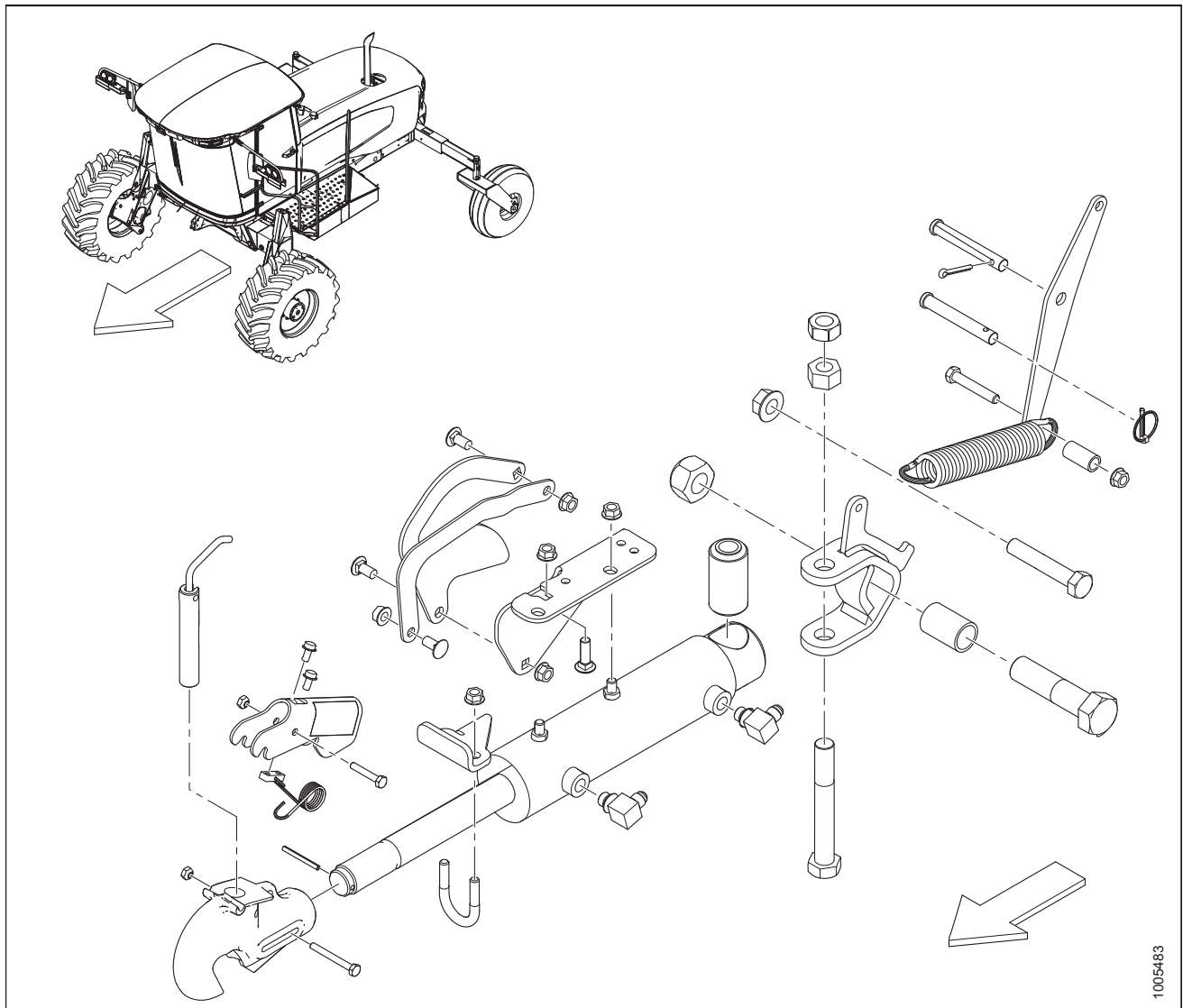
Introduction

This Parts Catalog lists all the replacement parts that can be ordered for a MacDon M150 or M200 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 as shown below.



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

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		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	

Summary of Changes – M150 and M200 (169016 Rev. D)

This list covers changes made since the last revision (169016 Rev. C).

Section	Summary of Change	Internal Use Only
<i>Introduction, page i</i>	Added topic.	Publications
<i>Abbreviations, page iii</i>	Added more abbreviations.	Publications
<i>2 Wheel Legs, page 3</i>	Superseded wheel legs MD #110080 and 110020 with MD #183410 and 183409. Updated illustration from 1026403 to 1030120.	ECN 49596
<i>3 Platforms and Toolbox, page 5</i>	Added new illustration 1036160.	Publications
<i>5 Walking Beam Less Extensions, page 11</i>	Superseded beam MD #110142 with MD #183420. Added poly bushing MD #161226. Revised footnotes and added serial number breaks for clarity.	ECN 49816
<i>8 Casters – Forked 16.5–16.1, page 17</i> <i>10 Casters – Forked 10 x 16, page 21</i>	Replaced caster MD #110616 with MD #183414.	ECN 49797
<i>7 Anti-Shimmy, page 15</i>	Created new topic. Moved content from <i>8 Casters – Forked 16.5–16.1, page 17</i> <i>9 Casters – Formed 7.5-16, page 19</i> <i>10 Casters – Forked 10 x 16, page 21</i> <i>11 Casters – Formed 10 x 16, page 23</i>	Publications
<i>8 Casters – Forked 16.5–16.1, page 17</i> <i>9 Casters – Formed 7.5-16, page 19</i> <i>10 Casters – Forked 10 x 16, page 21</i> <i>11 Casters – Formed 10 x 16, page 23</i>	Moved anti-shimmy content to <i>7 Anti-Shimmy, page 15</i> .	Publications
<i>8 Casters – Forked 16.5–16.1, page 17</i> <i>9 Casters – Formed 7.5-16, page 19</i> <i>10 Casters – Forked 10 x 16, page 21</i> <i>11 Casters – Formed 10 x 16, page 23</i>	Removed ball joint MD #110856. It is no longer sold separately.	ECN 49004
<i>9 Casters – Formed 7.5-16, page 19</i> <i>11 Casters – Formed 10 x 16, page 23</i>	Removed casters MD #110748 and 110754. These parts are no longer sold separately.	ECN 50049
<i>12 Drive Wheels and Tires, page 25</i>	Superseded nuts MD #111179 with service kit MD #166729. Moved service kit MD #166729 to the top of the top of the parts list and gave it reference #1; reordered parts list and updated callout sequence in the parts illustration. Updated illustration from 1008727 to 1030121 to show the changes.	ECN 49932 Parts

Section	Summary of Change	Internal Use Only
<i>13 Lift Linkage, page 29</i>	Superseded lift arms MD #139138 and 139139 with MD #166446 and 166447.	ECN 47310
	Removed spring MD #112886 and inserts MD #41357, 113747, and 113748 as service parts for Internal Booster Spring kit MD #B5303. Replaced individual components with complete spring assembly MD #163643.	ECN 50194 Engineering
	Superseded spring MD #112694 with spring assembly MD #112751, which is then superseded with MD #306104. Superseded spring assembly MD #163643 with MD #306106.	ECN 52029 ECN 56841
	Superseded slave cylinder MD #166191 with MD #208648. Revised footnote on slave cylinder MD #112931 for clarity.	ECN 51825 ECN 52116 Parts
	Added new illustration 1036322 to show above changes.	Publications
<i>15 Engine Sub Assembly (M150), page 39</i>	Added LH Cummins engine mount (NSS) and flat washer 18599. Updated illustration 1026409.	G160042
<i>16 Engine Sub Assembly (M200), page 41</i>	Added new illustration 1035845.	Publications
<i>17 Fuel System (M150), page 43</i>	Added new illustration 1035887.	Publications
<i>18 Fuel System (M200), page 45</i>	Added new illustration 1035894.	Publications
<i>19 Tanks (Fuel and Hydraulic), page 47</i>	Added new illustration 1036184.	Publications
<i>20 Engine Air Intake (M150), page 51</i>	Added new illustration 1036185.	Publications
<i>21 Engine Air Intake (M200), page 53</i>	Added new illustration 1036186.	Publications
<i>22 Engine Exhaust (M150), page 57</i>	Added flange nut MD #21452. Added new illustration 1036210.	Publications
<i>23 Engine Exhaust (M200), page 59</i>	Added new illustration 1036213.	Publications
<i>24 Radiator (M150), page 61</i>	Superseded radiator MD #110529 with kit MD #162459. Added new illustration 1036215.	ECN 59416
<i>25 Radiator Kit (M150), page 63</i>	Added new chapter for M150 Radiator kit MD #162459. Added new illustration 1036217.	ECN 59416 ECN 59831
<i>26 Radiator (M200), page 65</i>	Superseded radiator MD #110242 with kit MD #162464. Added new illustration 1036216.	ECN 59416
<i>27 Radiator Kit (M200), page 67</i>	Added new chapter for M200 Radiator kit MD #162464. Added new illustration 1036218.	ECN 59416 ECN 60750
<i>28 Cooler Box, page 69</i>	Added new illustration 1036318.	Publications
<i>29 Screen Cleaner, page 75</i>	Corrected hardware B to bolt MD #21472 (was erroneously nut MD #21452) and reordered hardware J–M. Added new illustration 1004844.	Parts
<i>30 Hood, page 79</i>	Added new illustration 1036317.	Publications
<i>31 Cab – Seals, Grommets, Mounts, and Upholstery, page 83</i>	Added new illustration 1036309.	Publications
<i>32 Doors and Windows, page 87</i>	Added new illustration 1036304.	Publications

Section	Summary of Change	Internal Use Only
<i>33 Roof and Headliner, page 91</i>	Added new illustration 1036300.	Publications
<i>34 Mirrors and Wipers, page 97</i>	Added new illustration 1036293.	Publications
<i>35 Cab – Air Conditioning and Heater, page 101</i>	Added gasket MD #139519 as a service part for heater/evaporator/blower assembly MD #138400. Added new illustration 1036292.	ECN 44746 Publications
<i>36 Heating, Ventilation, and Air Conditioning (HVAC) – Engine Group (M150), page 105</i>	Added new illustration 1036290.	Publications
<i>37 Heating, Ventilation, and Air Conditioning (HVAC) – Engine Group (M200), page 107</i>	Added new illustration 1036287.	Publications
<i>38 Steering Column And Seat Base, page 109</i>	Added new illustration 1036285.	Publications
<i>39 Driver’s Seat, page 115</i>	Added new illustration 1036279.	Publications
<i>40 Console Components, page 119</i>	Added new illustration 1036276.	Publications
<i>41 Ground Speed Lever and Cable, page 123</i>	Added new illustration 1036275.	Publications
<i>42 Steering and Ground Speed Control (Under Cab), page 127</i>	Superseded servo control valve MD #109309 with MD #183913.	ECN 56616
	Superseded LH steering rods MD #110299 and 110955 with MD #183940 and 183967. Superseded RH steering rods MD #110300 and 110957 with MD #183939 and 183969.	ECN 56720
	Added new illustration 1004975.	Publications
<i>43 Neutral Interlock and Pintle Arms (M150), page 131</i>	Added new illustration 1036272.	Publications
<i>44 Neutral Interlock and Pintle Arms (M200), page 135</i>	Added new illustration 1036273.	Publications
<i>45 Engine Gearbox, page 139</i>	Added new illustration 1036260.	Publications
<i>46 Traction Drive Pump, page 143</i>	Superseded traction drive pump MD #110222 with MD #205783. Superseded 37-tooth gear MD #111514 with MD #183955. Superseded interlock bracket MD #163314 with MD #166426. Added new illustration 1036140.	ECN 47310 ECN 49793 ECN 56748
<i>47 Traction Drive Pump Repair Parts – 2014 and Prior, page 145</i>	Added new illustration 1036158.	Publications
<i>48 Traction Drive Pump Repair Parts, page 147</i>	Added new chapter for traction drive pump MD #205783 service parts. New illustration 1009024.	ECN 49793
<i>49 Header Drive Pump Assemblies, page 149</i>	Added new illustration 1036259.	Publications

Section	Summary of Change	Internal Use Only
<i>50 Knife Drive Pump (M150), page 153</i>	Corrected adjustment screw part number MD #162200 to MD #162220.	Parts
	Added control valve kit MD #166303, restrictor MD #183581, and plug MD #183583. Superseded shaft coupling MD #111952 with MD #208757. Added new illustration 1036262.	ECN 51957 ECN 60245
<i>51 Reel and Conveyor Pump (M150), page 157</i>	Added new illustration 1004951.	Publications
<i>52 Header Drive Pump – First Tandem (M200), page 159</i>	Added new illustration 1036257.	Publications
<i>53 Header Drive Pump – Second Tandem (M200), page 161</i>	Added new illustration 1036258.	Publications
<i>54 Wheel Drive Assembly, page 163</i>	Superseded 3-speed drive motor MD #109958 with MD #183375, which is superseded with MD #183625, which is then superseded with MD #183715.	ECN 49690 ECN 53047 ECN 54591
	Superseded wheel drive MD #163614 with MD #204474. Revised list to match 5-Series Parts Catalogs. Added new illustration 1036261.	ECN 49471 Publications
<i>55 Wheel Drive Motor Repair Parts, page 165</i>	Superseded 3-speed drive motor MD #109958 with MD #183375, which is superseded with MD #183625, which is then superseded with MD #183715.	ECN 49690 ECN 53047 ECN 54591
	Superseded 3-speed servo control kit MD #162398 with MD #183377.	ECN 49690
	Superseded valve plate MD #163202 and distributor kit MD #163203 with MD #183627 and MD #183628.	ECN 53047
	Superseded plug MD #162399 with MD #306171.	ECN 57614
	Revised list to match 5-Series Parts Catalogs. Added new illustration 1036266.	Publications
<i>56 Wheel Drive – Bonfiglioli (8 Bolt), page 169</i>	Revised list to match 5-Series Parts Catalogs. Added new illustration 1004949.	Publications
<i>57 Wheel Drive – Auburn Gear (8 Bolt), page 173</i>	Superseded wheel drive MD #163614 with MD #204474. Revised list to match 5-Series Parts Catalogs. Added new illustration 1013483.	ECN 49471 Publications
	Added secondary sun gear kit MD #306203 as a service part for primary carrier assembly MD #163737 and added a footnote for clarity.	ECN 58136
<i>58 Header Lift Manifold, page 177</i>	Added coil MD #163188 as a service part for header lift manifold MD #112557.	Parts
	Added new illustration 1036232.	Publications
<i>59 Header Drive Manifolds (M150), page 181</i>	Added new illustration 1036229.	Publications
<i>60 Header Drive Manifold (M200), page 185</i>	Added new illustration 1036231.	Publications
<i>61 Return Manifold, page 187</i>	Added new illustration 1036223.	Publications

Section	Summary of Change	Internal Use Only
<i>62 Draper Header Reel Hydraulics, page 189</i>	Added new illustration 1036224.	Publications
<i>63 Left Couplers, Hydraulics, page 193</i>	Added new illustration 1036246.	Publications
<i>64 Traction Drive and Lift Hydraulics, page 197</i>	Added new illustration 1036250.	Publications
<i>65 Traction Charge, Center-Link, Interlock, and Servo, page 201</i>	Added new illustration 1036247.	Publications
<i>66 Header Charge and Cooling Hydraulics (M150), page 203</i>	Added new illustration 1036255.	Publications
<i>67 Header Charge and Cooling Hydraulics (M200), page 205</i>	Added a new callout reference #2 for hose MD #109989 and corrected original callout reference #2 to #13. Added new illustration 1036256.	Parts Publications
<i>68 Hydraulic Line Support, page 207</i>	Added new illustration 1036237.	Publications
<i>69 Electrical – Chassis, page 209</i>	Corrected fuse block cover part number MD #109957 to MD #109962 and revised the attached footnote for clarity. Replaced harness repair section MD #166159 with chassis harness repair kit MD #183463. Added new illustration 1036269.	ECN 49743 ECN 50176 Parts Publications
<i>70 Electrical – Fuse Block, page 215</i>	Added new chapter for fuse block service parts. Added new illustration 1036267.	Publications
<i>71 Safety Decals, page 219</i>	Added new illustration 1036199.	Publications
<i>72 Information Decals and Reflectors, page 221</i>	Superseded refrigerant decal MD #110987 with MD #183179. Superseded bolt torque decal MD #166361 with MD #166472. Added new illustration 1036204.	ECN 47739 ECN 49001
<i>74 Product Identification Decals, page 225</i>	Added new illustration 1035742.	Publications
<i>75 Russian Language Decal Package, page 227</i>	Superseded refrigerant decal MD #166299 with MD #183181. Superseded bolt torque decal MD #166362 with MD #166473. Added new illustration 1036195.	ECN 47739 ECN 49001
<i>76 Slow Moving Vehicle (SMV) Sign, page 229</i>	Added new illustration 1035736.	Publications
<i>78 (Option) Auxiliary Springs, page 233</i>	Replaced spring MD #112886, insert MD #41357, channel MD #112913, and bolt MD #135004 with auxiliary spring assembly MD #112914.	ECN 50194
	Superseded auxiliary spring assembly MD #112914 with MD #306107.	ECN 56841
<i>79 (Option) Auxiliary Valve, page 235</i>	Added nut MD #163190.	ECN 46903
	Replaced valve block MD #110575 with MD #139974.	ECN 47301
	Replaced fitting MD #163156 with MD #167762.	ECN 52228
	Added block quantities note for clarity.	Publications
<i>81 (Option) Disc Drive Kit, page 239</i>	Added fitting MD #135352, fitting MD #106717, hose MD #139636, and fastener MD #21763.	ECN 45094
<i>82 (Option) Disc Drive Kit, Grass Seed, page 241</i>	Added new illustration 1035977.	Publications

Section	Summary of Change	Internal Use Only
<i>84 (Option) Lighting and Marking for Cab-Forward Travel, page 247</i>	Replaced screw MD #135293 with MD #5144.	ECN 48632
	Replaced bolt MD #21952 with MD #21570.	ECN 48875
<i>85 (Option) Reel/Draper Drive, page 249</i>	Superseded plug MD #6007 with MD #183903. Added new illustration 1035950.	ECN 56199 ECN 60777
<i>86 (Option) Reverser, page 251</i>	Replaced O-ring MD #163184 with MD #320284. Added coil MD #163188 as a service part for reverser valve MD #111781.	ECN 60983 Parts
	Added new illustration 1030022.	Publications

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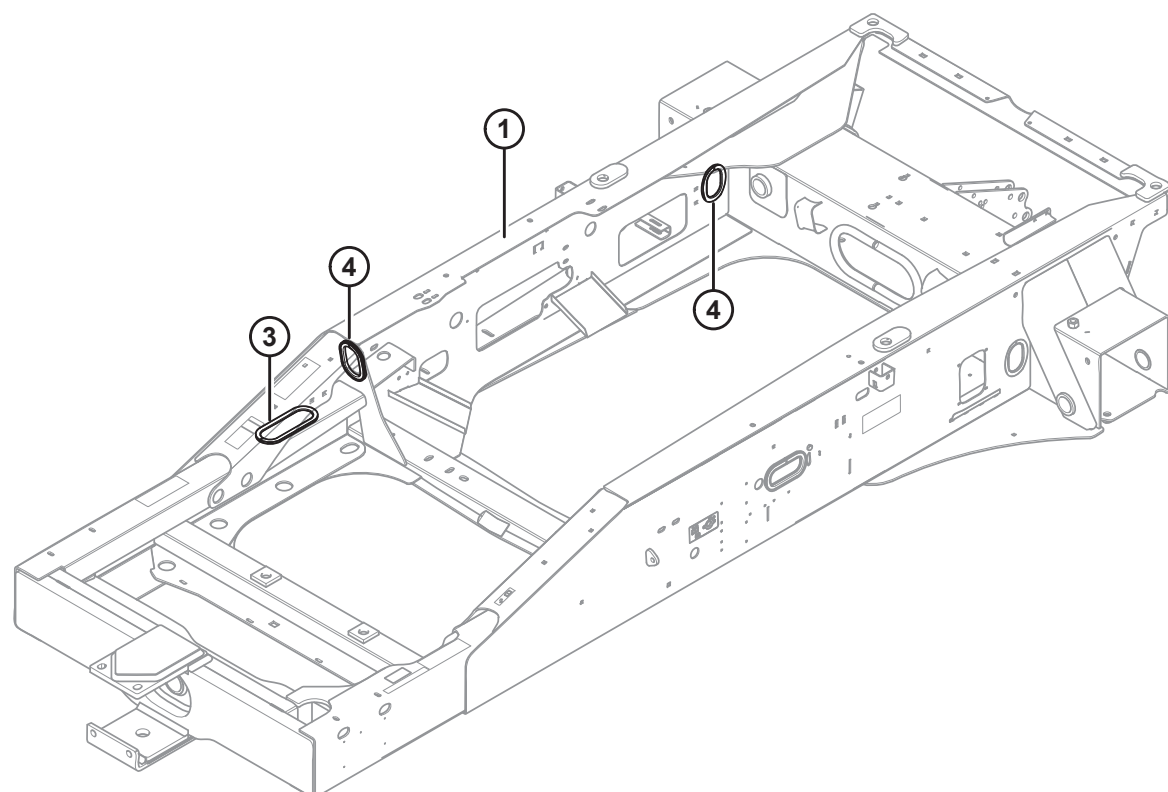
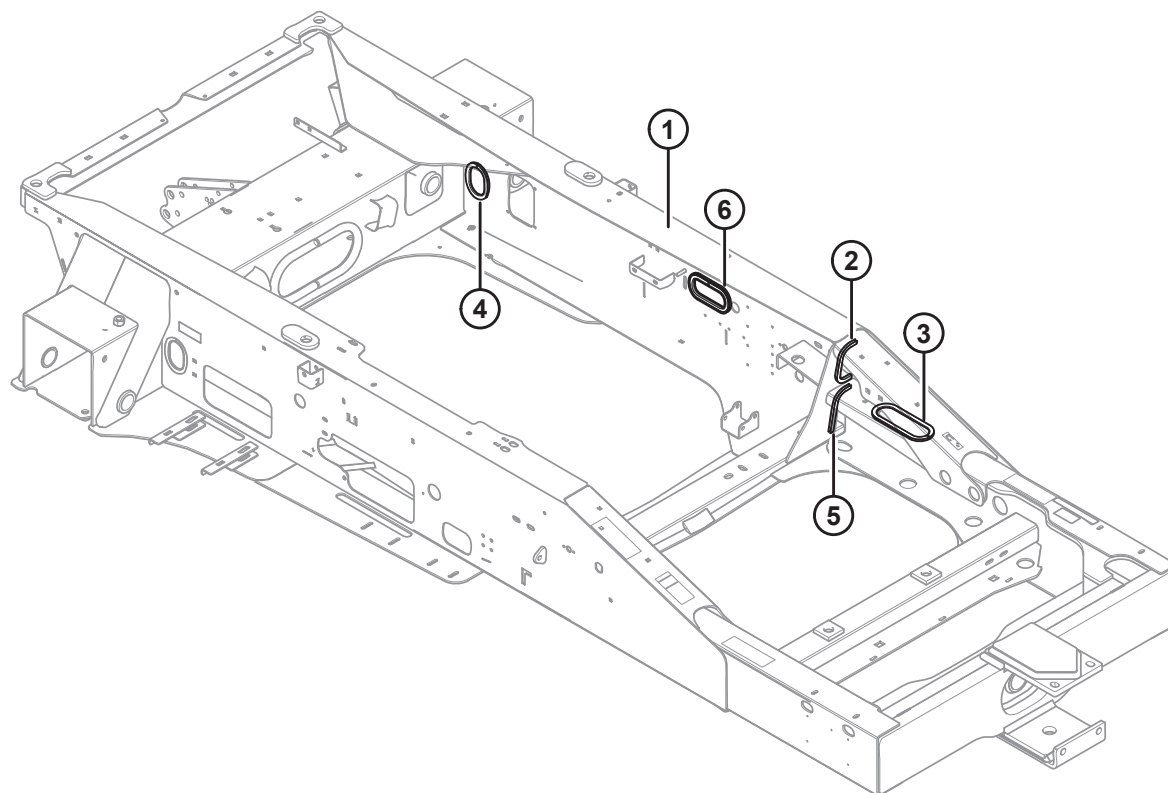
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1 Frame Hose Guards



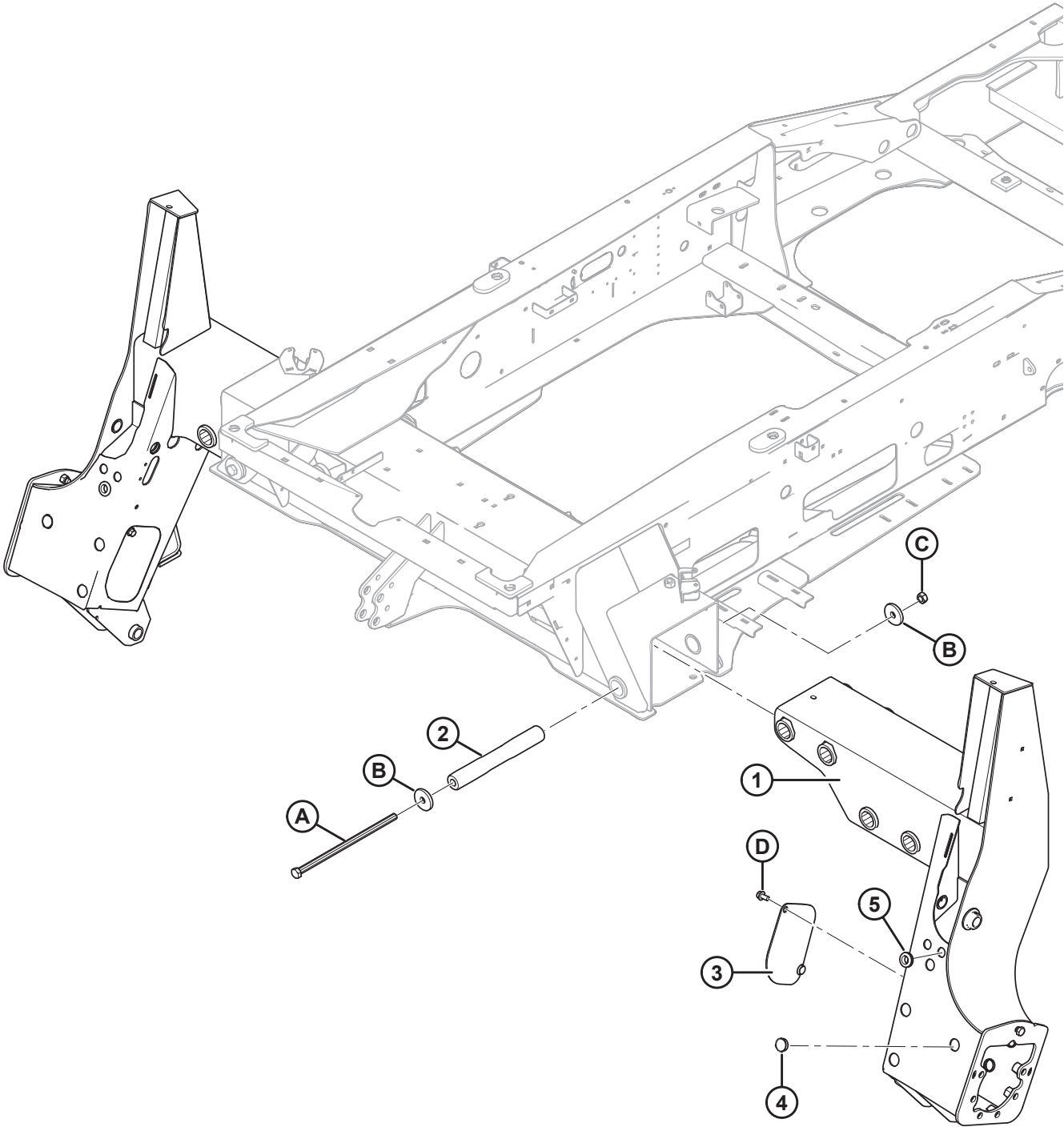
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FRAME HOSE GUARDS

Ref	Part Number	Description	Qty	Serial Number
1	REF	FRAME – NOT SERVICED	1	
2	112873	MOULDING – FRAME (UNIGRIP)	1	
3	163971	MOULDING – FRAME (UNIGRIP)	2	
4	110735	MOULDING – FRAME (UNIGRIP) ¹		
5	110736	MOULDING – FRAME (UNIGRIP)	2	
6	110737	MOULDING – FRAME (UNIGRIP)	1	
7	166275	MOULDING – FRAME (UNIGRIP)	1	

1. For M150 quantity = 3, M200 quantity = 2.

2 Wheel Legs

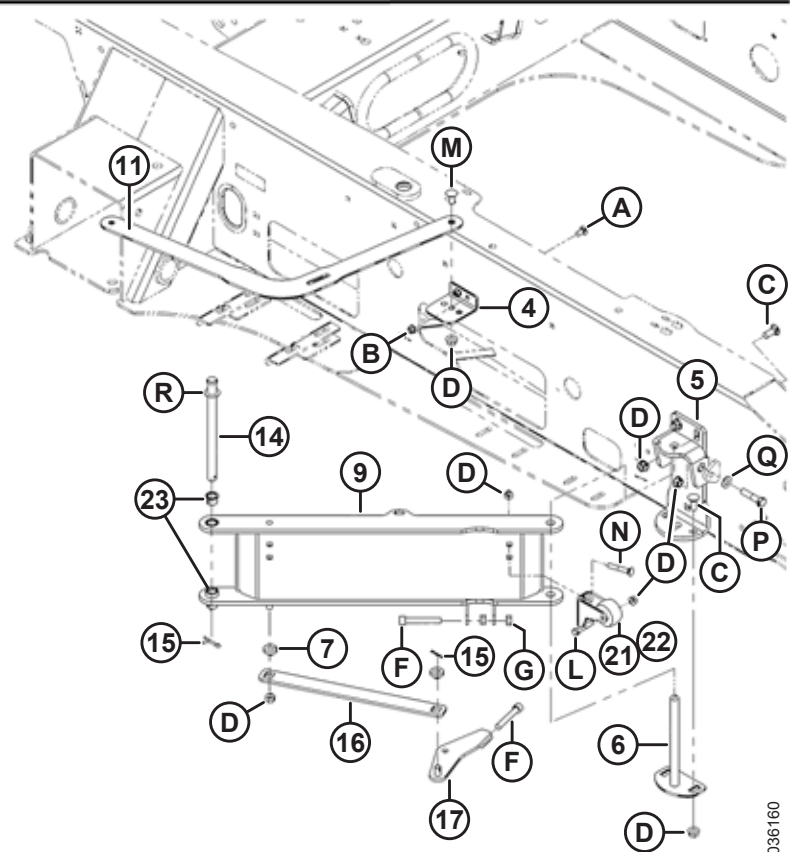
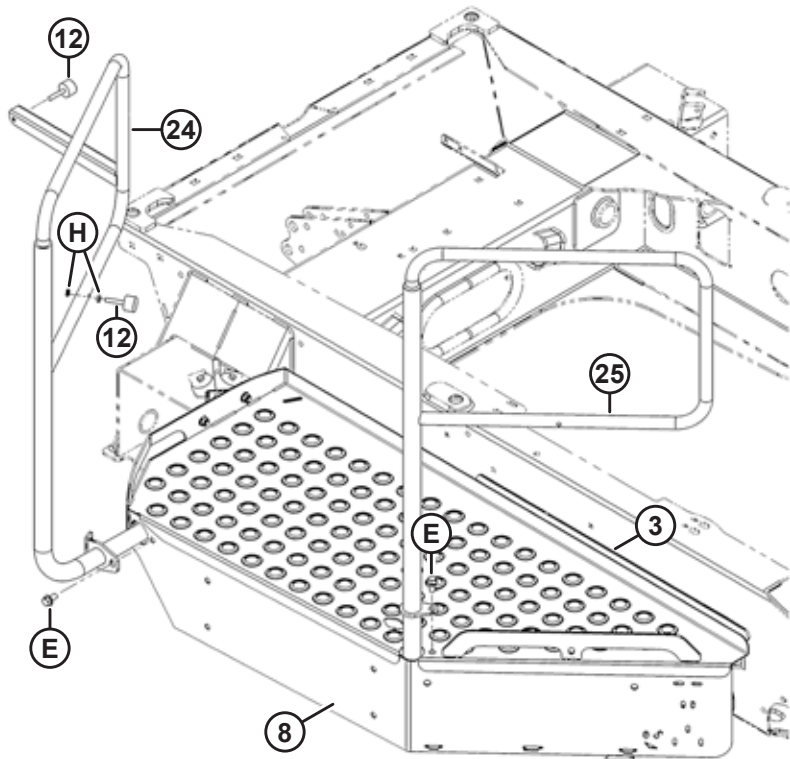
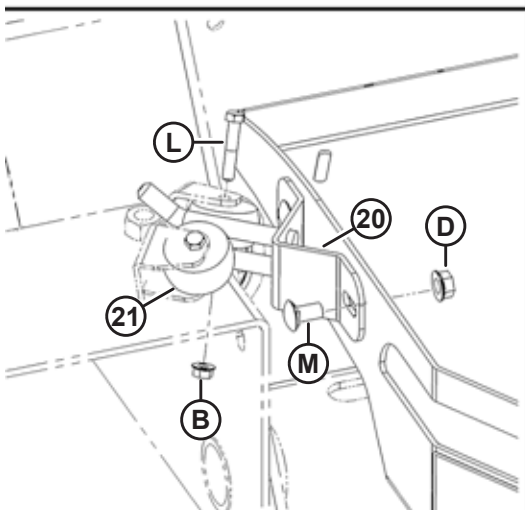
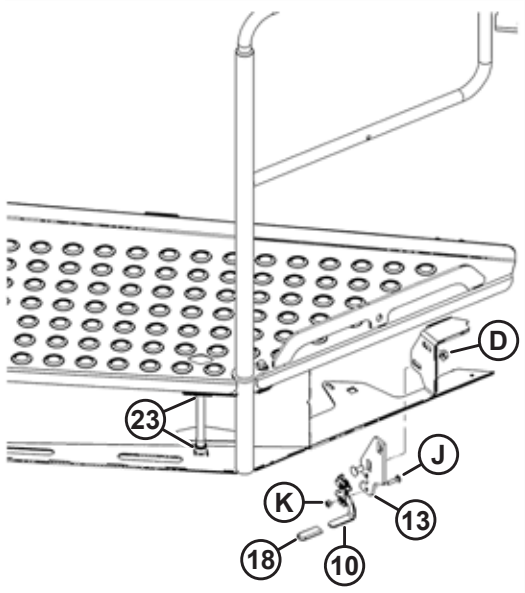
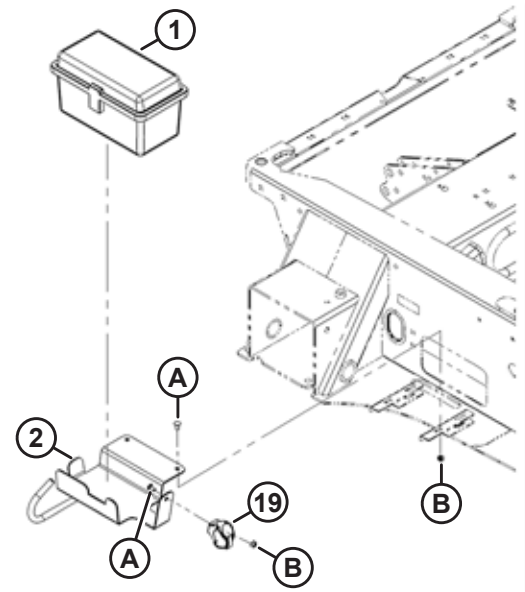


WHEEL LEGS

Ref	Part Number	Description	Qty	Serial Number
	B5442	KIT – LEG PIN EXTRACTION TOOL ²		
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	110783	PLUG – HOLE (Ø1.5 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		

2. Kits available through Whole Goods only.

3 Platforms and Toolbox



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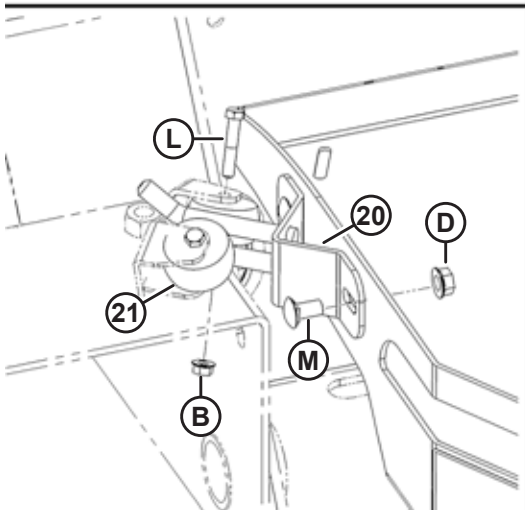
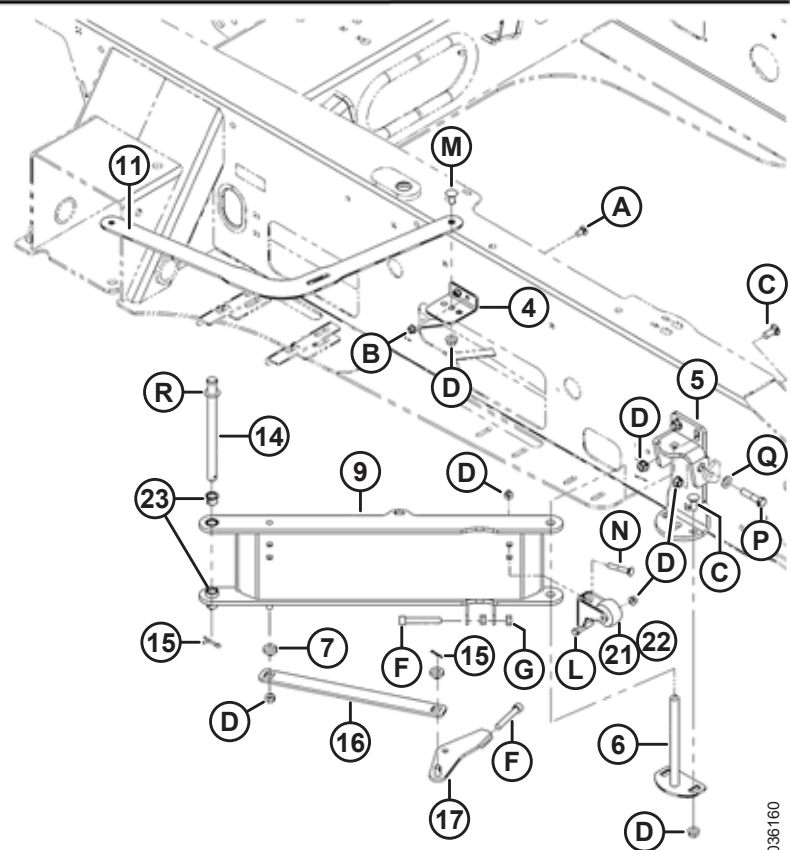
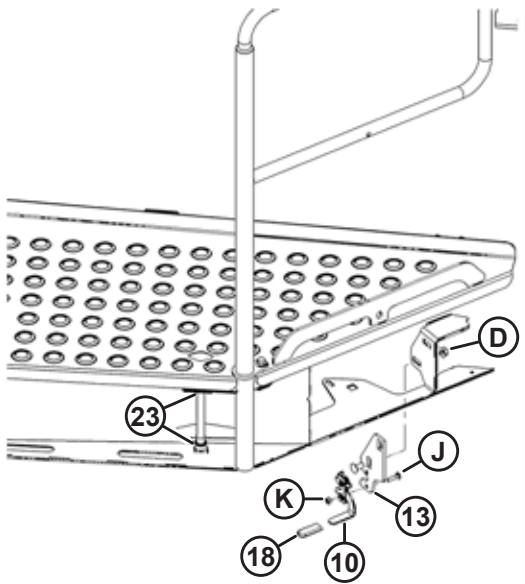
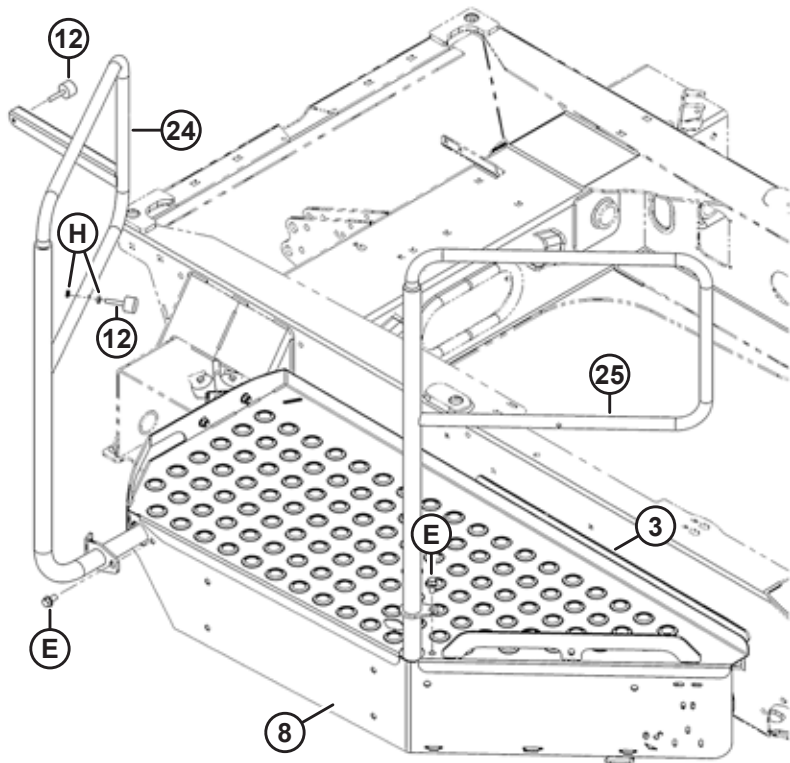
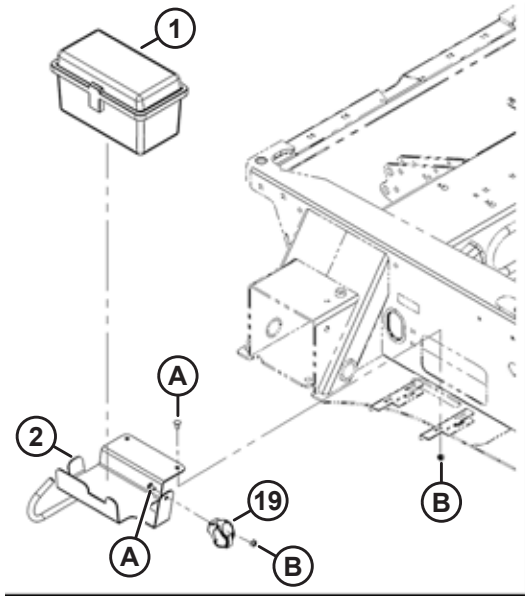
PLATFORMS AND TOOLBOX

Ref	Part Number	Description	Qty	Serial Number
1	138957	BOX – TOOL	1	
2	138956	CARRIER – TOOLBOX	1	
3	110991	GUARD – FOAM RUBBER	2	
4	163621	ANGLE– PLATFORM ARM PIVOT	2	
5	110634	BRACKET– HINGE WELDT	2	
6	110585	HINGE – WELDT	2	
7	109750	BUSHING – PLASTIC	8	
8	161205	PLATFORM KIT – LH ³	1	–195759
	161206	PLATFORM KIT – RH ⁴	1	–195759
	161203	PLATFORM – LH C/W DECAL, LESS HANDRAIL (SHOWN)	1	195760–
	161204	PLATFORM – RH C/W DECAL, LESS HANDRAIL	1	195760–
9	161009	ARM – LH PIVOT WELDT	1	
	161010	ARM – RH PIVOT WELDT	1	
10	134050	ASSY – LH STIRRUP LATCH (90° LEVER)	1	
	134051	ASSY – RH STIRRUP LATCH (90° LEVER)	1	
11	163379	ARM – LINK-STEERING (PLATFORMS)	2	
12	110354	BUMPER – RUBBER	6	
13	110640	PLATE – LATCH MOUNT	2	
14	163658	PIN – CLEVIS	2	
15	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	6	
16	110941	LINK – PLATFORM	2	
17	110943	LINK – LH STRIKER WELDT	1	
	110944	LINK – RH STRIKER WELDT	1	
18	163539	COVER – SOFTEX GRIP	2	
19	45948	HOLDER – GREASE GUN ZN PL	1	
20	163595	GUIDE – LH SUPPORT FORK	1	
	163596	GUIDE – RH SUPPORT FORK	1	
21	163558	WHEEL – PLATFORM	4	
22	161036	HOLDER – WHEEL	1	
23	135570	BUSHING – TEFLON	8	

3. Includes left assembly (MD #161203), front rail (MD #161188), rear rail (MD #161190), and bolts (MD #21449).

4. Includes right assembly (MD #161204), front rail (MD #161189), rear rail (MD #161190), and bolts (MD #21449).

PLATFORMS AND TOOLBOX

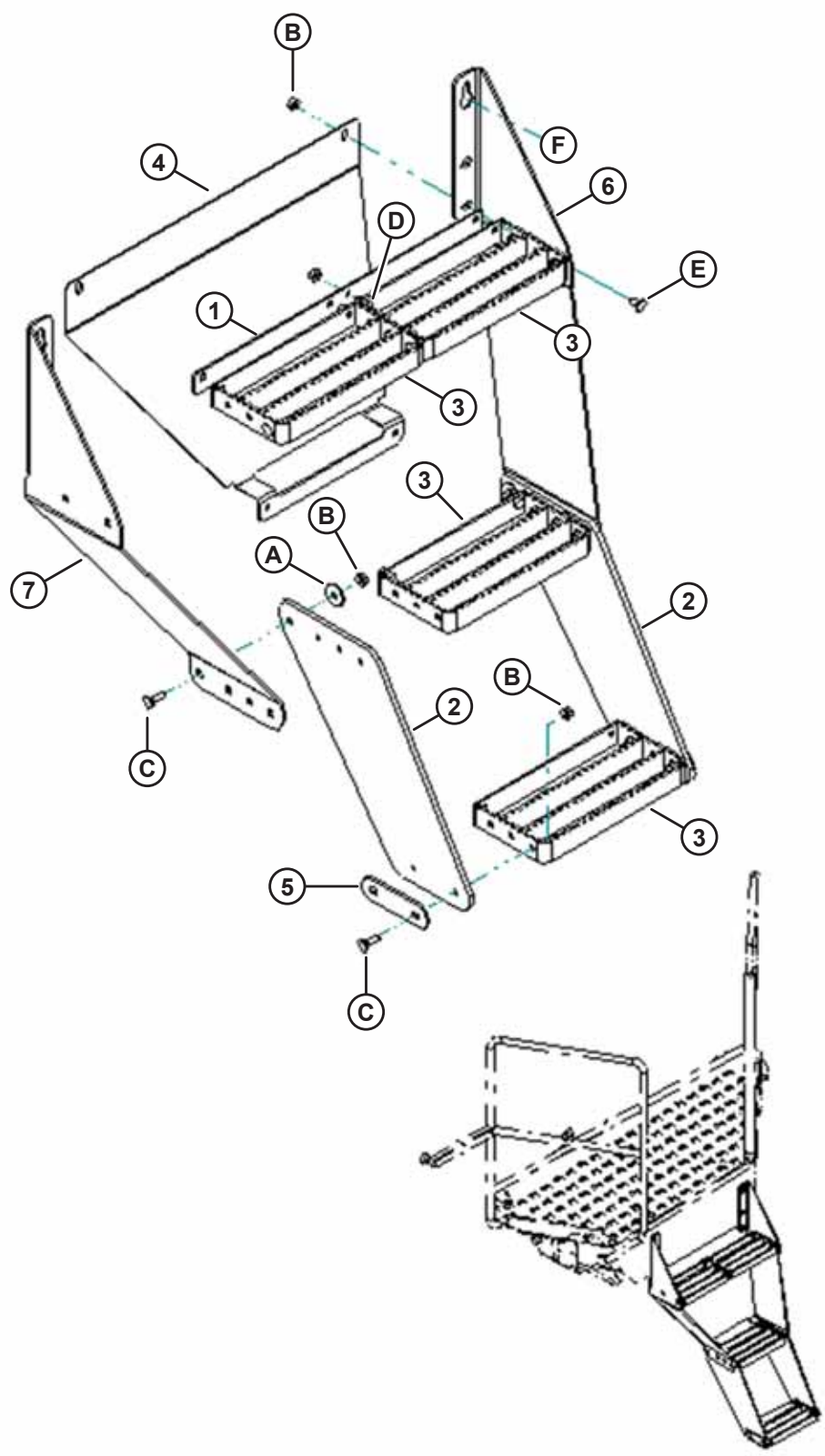


1036160

PLATFORMS AND TOOLBOX

Ref	Part Number	Description	Qty	Serial Number
24	161188	RAIL – FRONT, LH (SHOWN)	1	195760–
	161189	RAIL – FRONT, RH	1	195760–
25	161190	RAIL – REAR	2	195760–
A	21863	BOLT – RHSN 3/8 NC X 0.75 LG GR 5 ZP		
B	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
C	21471	BOLT – RHSN 1/2 NC X 1.25 GR 5 ZP		
D	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
E	21449	BOLT – HEX FLG HEAD, 1/2 NC x 1.0		
F	135410	BOLT – HEX SKT HD M12-1.75 X 80 ZN PL		
G	135156	NUT – HEX M12 X 1.75 ZP CLASS 10 STYLE 1		
H	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
J	21473	BOLT – RHSN 5/16 NC X 1.25 LG GR 5		
K	35689	NUT – SPECIAL		
L	21354	BOLT – HH 3/8 NC X 2.0 LG GR 5 ZP		
M	21868	BOLT – RHSN 1/2 NC X 1.0 GR 5 ZP		
N	21485	BOLT – RHSN 3/8 NC X 2.25 GR 5 ZP		
P	21578	BOLT – HH 1/2 NC X 2.25 LG GR 5 ZP		
Q	18599	WASHER – SAE FLAT 17/32 ID X 1 1/16 IN OD ZP		
R	5113	WASHER – FLAT		

4 Stairs



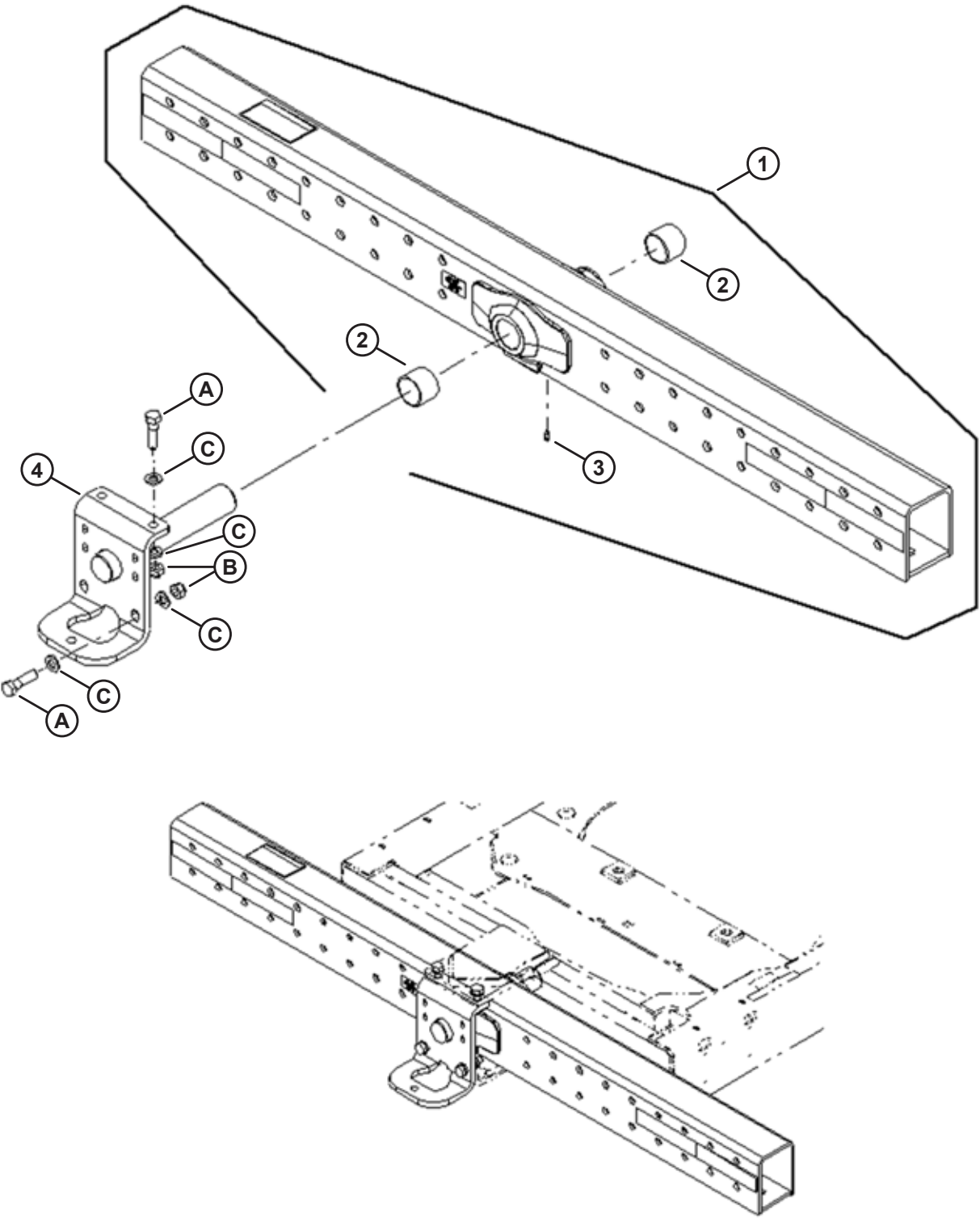
STAIRS

NOTE:

Quantities are per assembly. There are two assemblies per windrower.

Ref	Part Number	Description	Qty	Serial Number
1	110776	BAR – TENSION (STEPS)	1	
2	110591	SUPPORT – POLY FLEX STEP	2	
3	110592	STEP	3	
4	110593	PANEL – STAIR BACKING	1	
5	110588	CLAMP – STAIRS	2	
6	110595	SUPPORT – RH STAIR SIDE	1	
7	110594	SUPPORT – LH STAIR SIDE	1	
A	16652	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
B	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
C	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
D	21567	BOLT – HEX HD 0.375-16 UNC X 0.75 LG		
E	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
F	21449	BOLT – FLG HD 1/2 NC X 1.0 LG		

5 Walking Beam Less Extensions

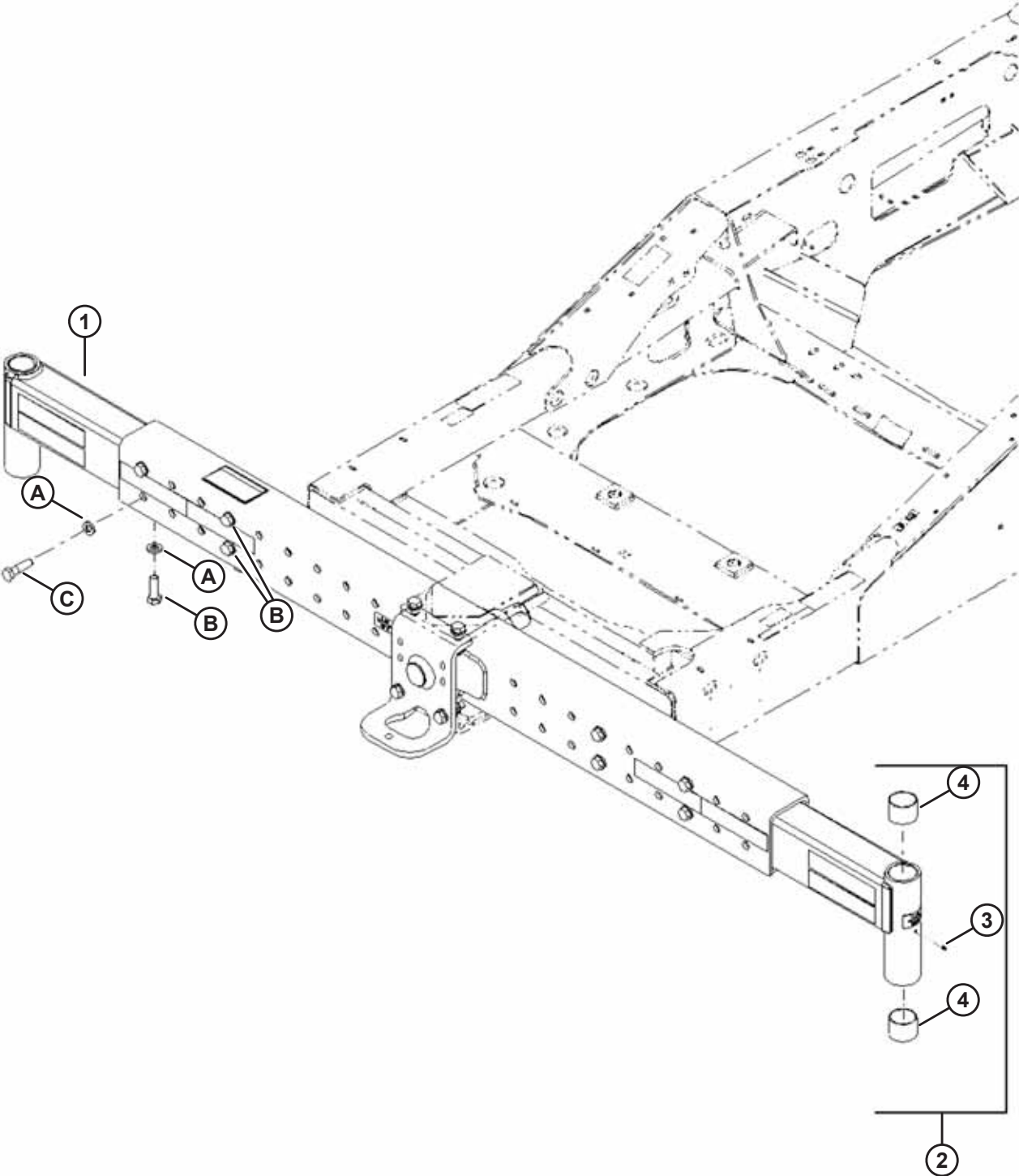


WALKING BEAM LESS EXTENSIONS

Ref	Part Number	Description	Qty	Serial Number
1	183420	BEAM – CENTER ASSEMBLY ⁵	1	
2	161226	BUSHING – SLEEVE, POLY	2	
	107201	BUSHING – SLEEVE ⁶	2	–266819
3	7536	FITTING – LUBRICATION 1/4-28 TAPER THD ⁷	1	–266819
4	110279	PIVOT WELDMENT	1	
A	112128	BOLT – HH .750-10 UNC		
B	112129	NUT – HEX LOCK DT .750-16 UNF		
C	21540	WASHER – HARDENED		

-
5. Beam includes two bushings (MD #161266), decal (MD #109842), and reflectors (MD #115145, 115147).
6. Service part only for model year 2014 and prior. For 2015 and later, or for units serviced with beam MD #183420, order bushing MD #161226.
7. Service part only for model year 2014 and prior with bushing MD #107201.

6 Walking Beam Extensions



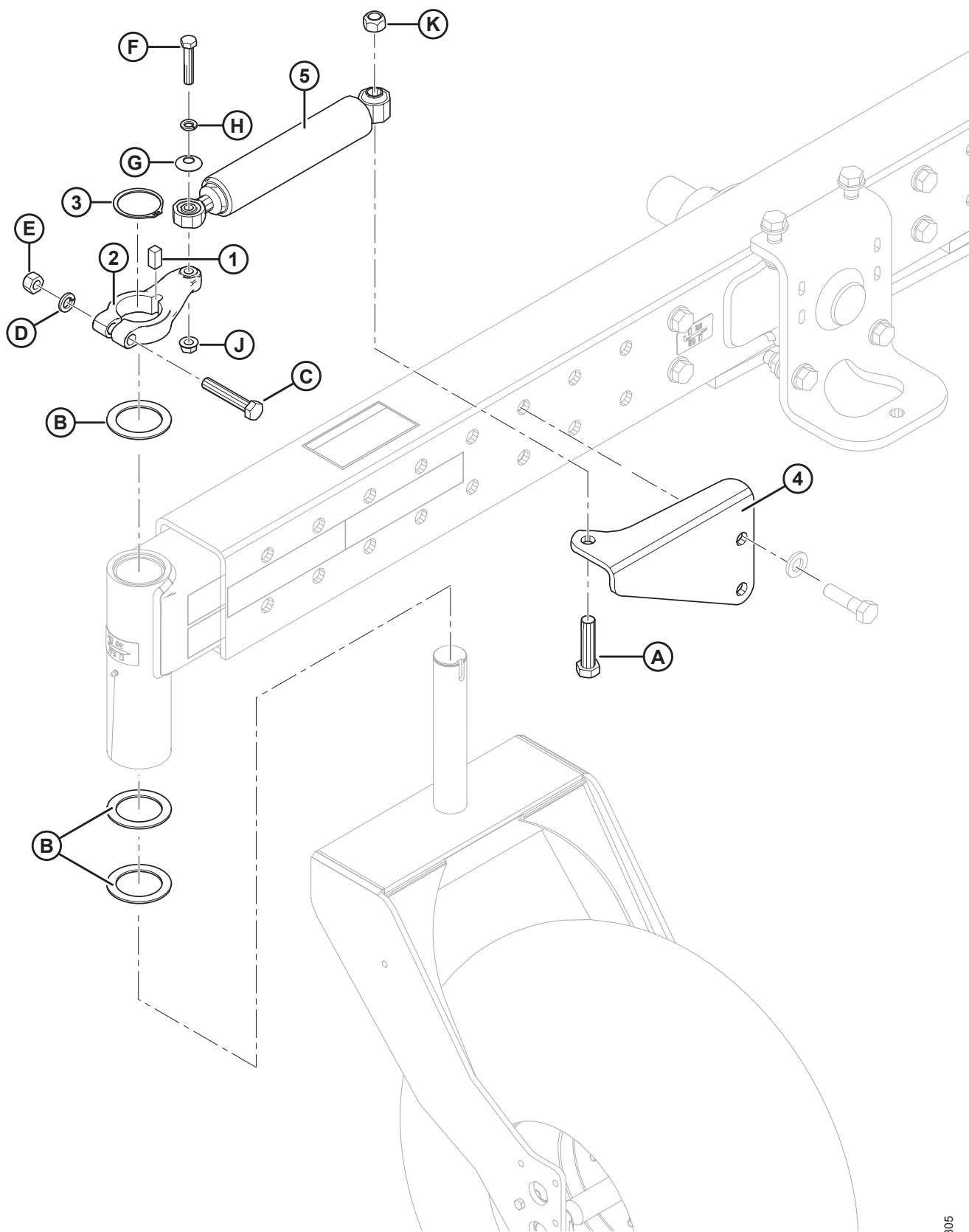
1028407

WALKING BEAM EXTENSIONS

Ref	Part Number	Description	Qty	Serial Number
1	110145	BEAM – EXTENSION, LH ⁸	1	
2	110611	BEAM – EXTENSION, RH ⁸	1	
3	18671	FITTING – LUBE 1/4-28 UNF	2	
4	107201	BUSHING – SLEEVE	4	
A	21540	WASHER – HARDENED		
B	135225	BOLT – HH 2-1/4 X 3/4-16 UNF		
C	112128	BOLT – HH 2-3/4 X 3/4-10 UNC		

-
8. Beam extension includes fitting (MD #18671), two bushing sleeves (MD #107201), decal (MD #23165), and reflectors (MD #115145, 115147).

7 Anti-Shimmy

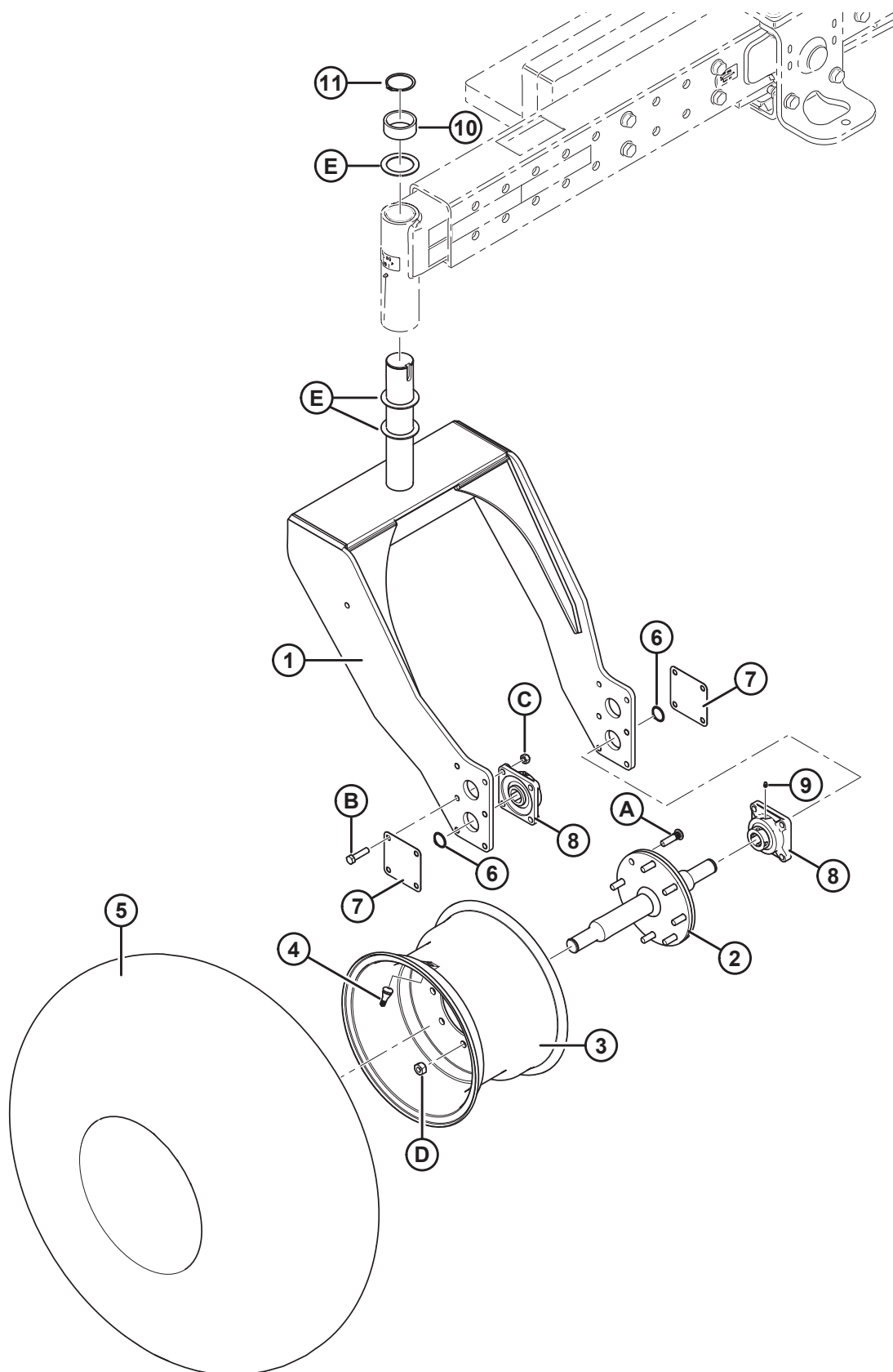


1004805

ANTI-SHIMMY

Ref	Part Number	Description	Qty	Serial Number
1	135296	KEY	2	
2	110615	ARM – ANTI SHIMMY MACHINED	2	
3	30243	RING – EXT RETAINING	2	
4	110597	BRACKET – LH SHOCK MOUNT	1	
	110598	BRACKET – RH SHOCK MOUNT	1	
5	110600	DAMPENER – ANTI SHIMMY	2	
A	30448	BOLT – HH 3/4 NC X 3.0 LG GR5 ZP		
B	110584	WASHER – HARDENED FLAT		
C	21406	BOLT – HH 5/8 NC X 3.5 LG GR5 ZP		
D	18639	WASHER – LOCK		
E	18666	NUT – HEX LOCK DT 5/8-11 UNC ZP		
F	135436	BOLT – HH 1/2 NC X 2.5 LG GR 8 ZP		
G	45157	WASHER – FORMED		
H	18638	WASHER – LOCK		
J	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
K	18689	NUT – HEX LOCK DT .750-10 UNC		

8 Casters – Forked 16.5–16.1



1004806

CASTERS – FORKED 16.5–16.1

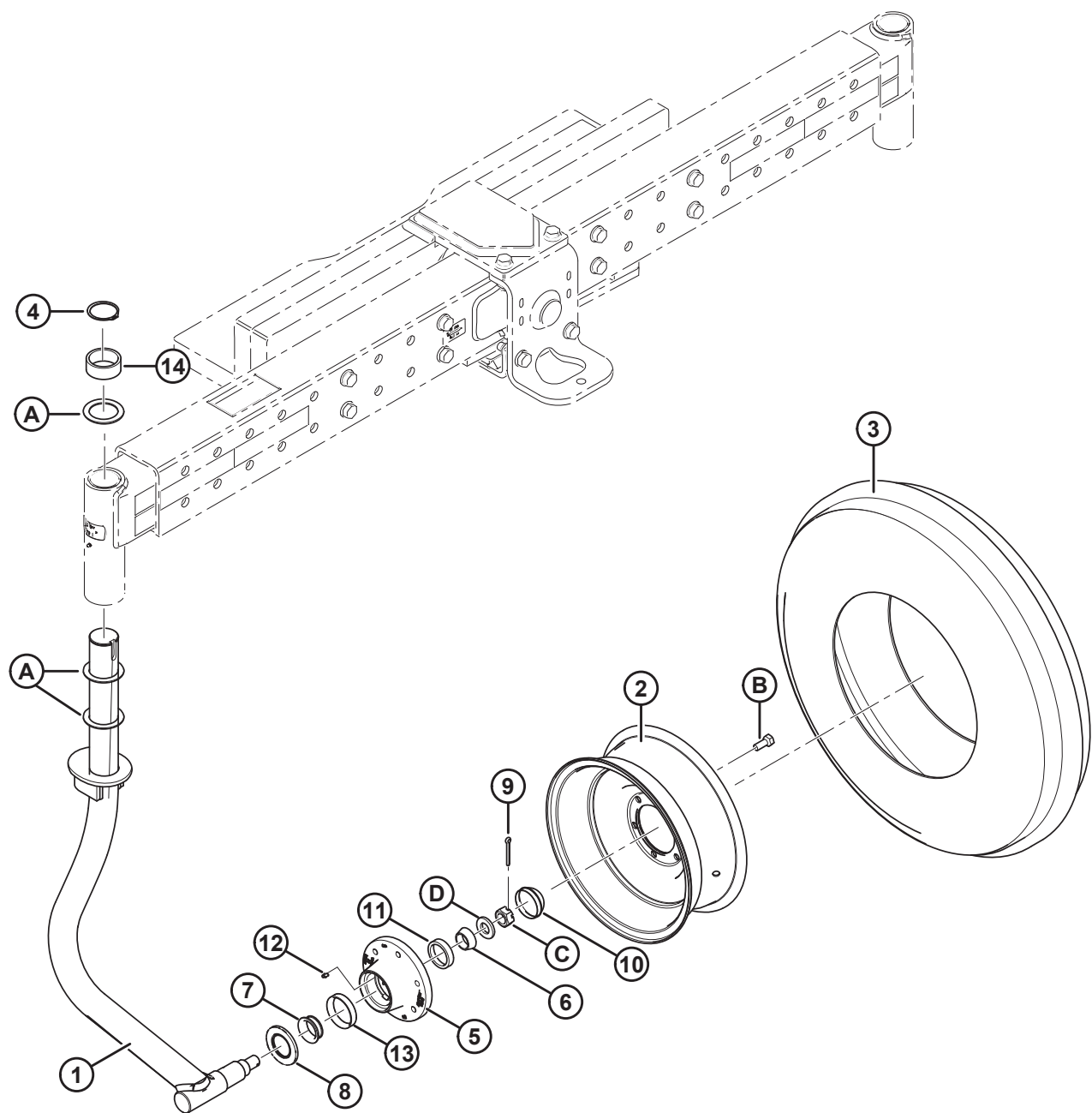
Ref	Part Number	Description	Qty	Serial Number
	B4642	KIT – FORKED CASTERS (16.5 – 16.1) ⁹		
1	183414	CASTER – WELDMENT, C/W DECAL	2	
2	110848	SHAFT WELDMENT	2	
3	111216	WHEEL	2	
4	21153	STEM –TIRE VALVE ASSEMBLY #TR-415	2	
5	39273	TIRE	2	
6	135363	RING – RETAINING	4	
7	166067	PLATE – BEARING CAP	4	
8	135370	BEARING ASSEMBLY ¹⁰	4	
	21936	BEARING – BALL SPH O.D CW LC 1 3/8 IN BORE		
9	18671	FITTING – LUBE 1/4-28 UNF	4	
10	161140	SPACER ¹¹	2	
3	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 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		

9. Kits available through Whole Goods only.

10. Bearing assembly includes ball bearing (MD #21936) and lube fitting (MD #18671).

11. Replaces item arm (MD #110615) for units without anti-shimmy assembly.

9 Casters – Formed 7.5-16



CASTERS – FORMED 7.5-16

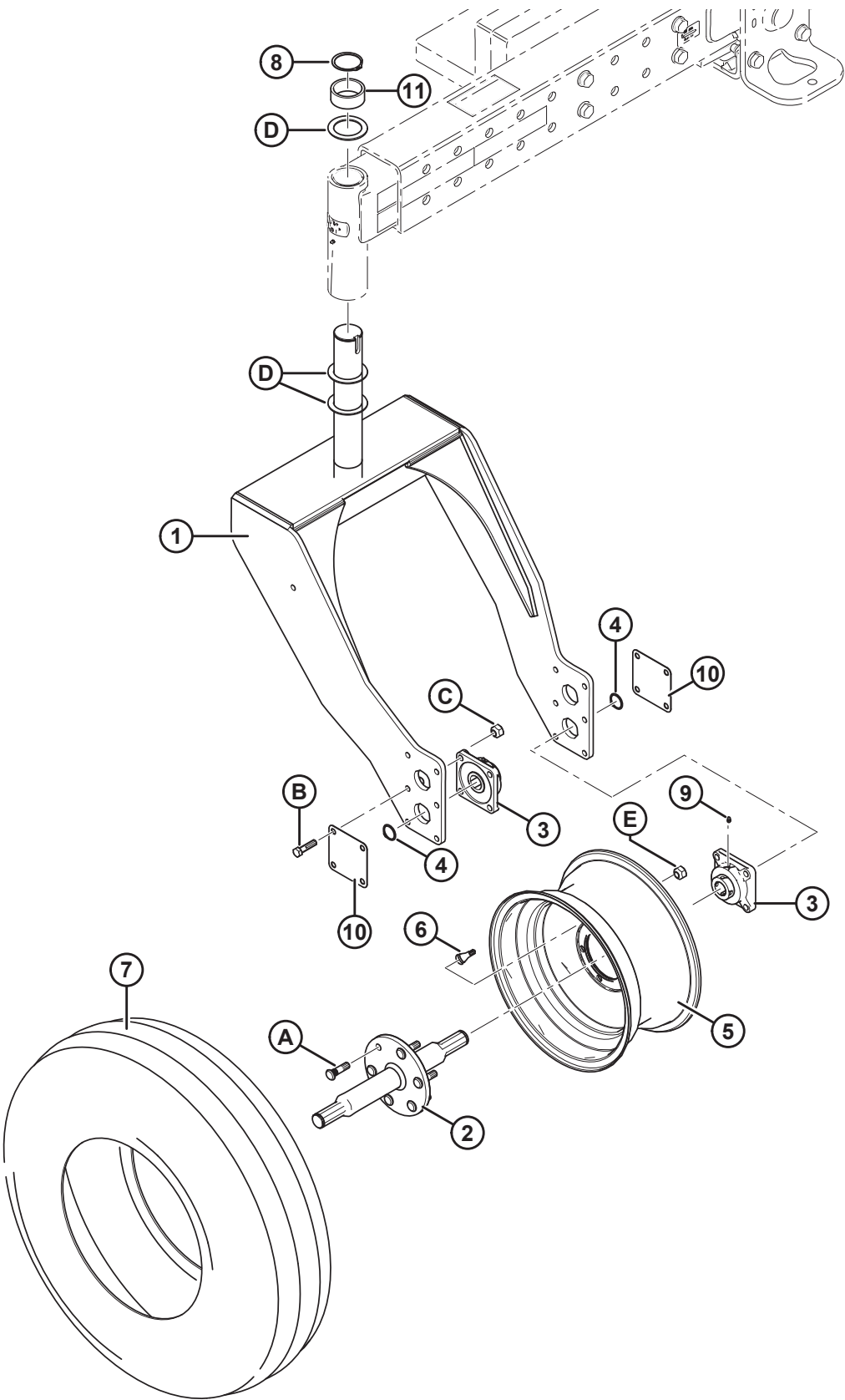
Ref	Part Number	Description	Qty	Serial Number
	B4640	KIT – FORMED CASTERS 7.5-16 ¹²		
1	183416	CASTER – LH WELDT, C/W DECAL	1	
	183418	CASTER – RH WELDT, C/W DECAL	1	
2	112438	WHEEL – 16 X 6 LB	2	
3	166228	TIRE – 7.50-16 8 PLY CW INNER TUBE ¹³	2	
	112442	TUBE – INNER TIRE	2	
4	30243	RING – EXT RETAINING	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 ¹⁴	2	
A	110584	WASHER – HARDENED FLAT		
B	18916	BOLT – 90° WHEEL 9/16 NF X 1.75 OL		
C	19878	NUT – HEX SLOTTED 1.00-14UNF		
D	31774	WASHER – FLAT		

12. Kit available through Whole Goods only.

13. Tire includes inner tube (MD #112442).

14. Replaces arm (MD #110615) for units without anti-shimmy assembly.

10 Casters – Forked 10 x 16



CASTERS – FORKED 10 X 16

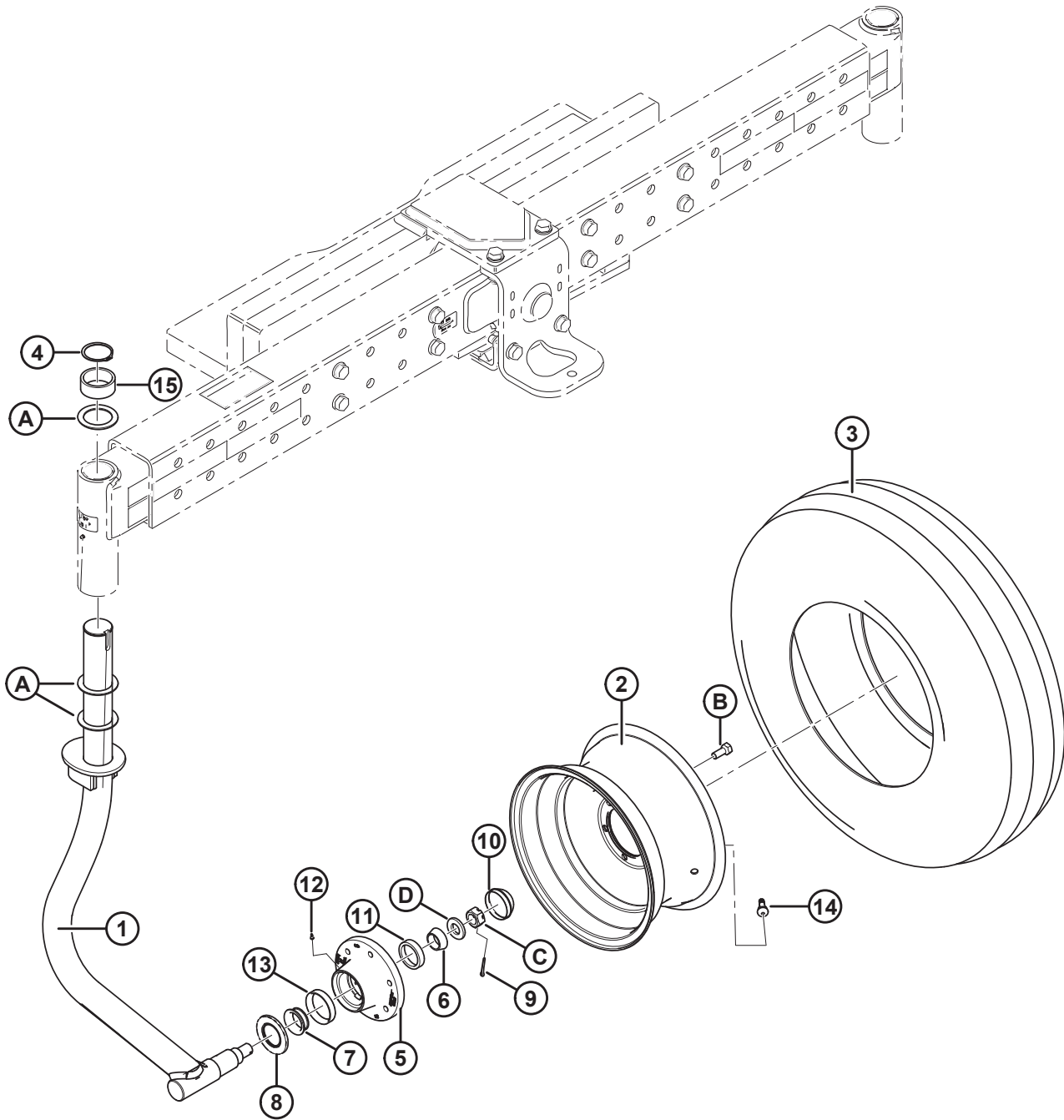
Ref	Part Number	Description	Qty	Serial Number
	B4641	KIT – FORKED CASTERS 10X16 ¹⁵		
			1	
1	183414	CASTER – WELDMENT, C/W DECAL	2	
2	110756	SHAFT WELDMENT	2	
3	135370	BEARING ASSEMBLY ¹⁶	4	
	21936	BEARING – BALL SPH O.D CW LC 1 3/8 IN BORE		
4	135363	RING – RETAINING	4	
5	149817	WHEEL	2	
6	21153	STEM – TIRE VALVE ASSEMBLY #TR-415	2	
7	149818	TIRE – 10.00 X 16, F2 FRONT STEER, 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 ¹⁷	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°		

15. Kits available through Whole Goods only.

16. Bearing assembly includes ball bearing (MD #21936) and lube fitting (MD #18671).

17. Replaces arm (MD #110615) for units without anti-shimmy assembly.

11 Casters – Formed 10 x 16



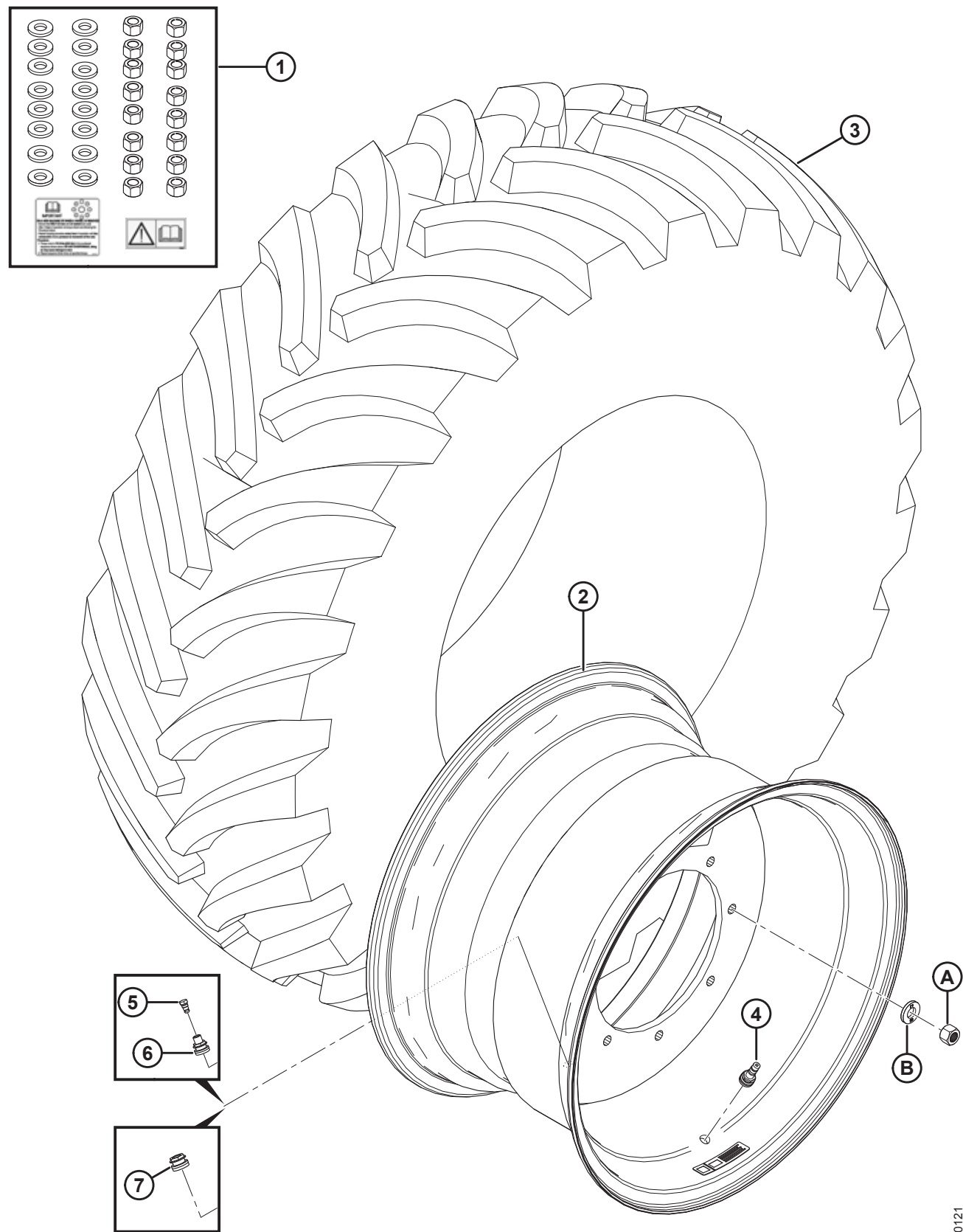
CASTERS – FORMED 10 X 16

Ref	Part Number	Description	Qty	Serial Number
	B4643	KIT – FORMED CASTERS 10X16 ¹⁸		
1	183416	CASTER – LH WELDT, C/W DECAL	1	
	183418	CASTER – RH WELDT, C/W DECAL	1	
2	149817	WHEEL – 10X16	2	
4	149818	TIRE – 10.00 X 16, F2 FRONT STEER, 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 ¹⁹	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		

18. Kit available through Whole Goods only.

19. Replaces arm (MD #110615) for units without anti-shimmy assembly.

12 Drive Wheels and Tires

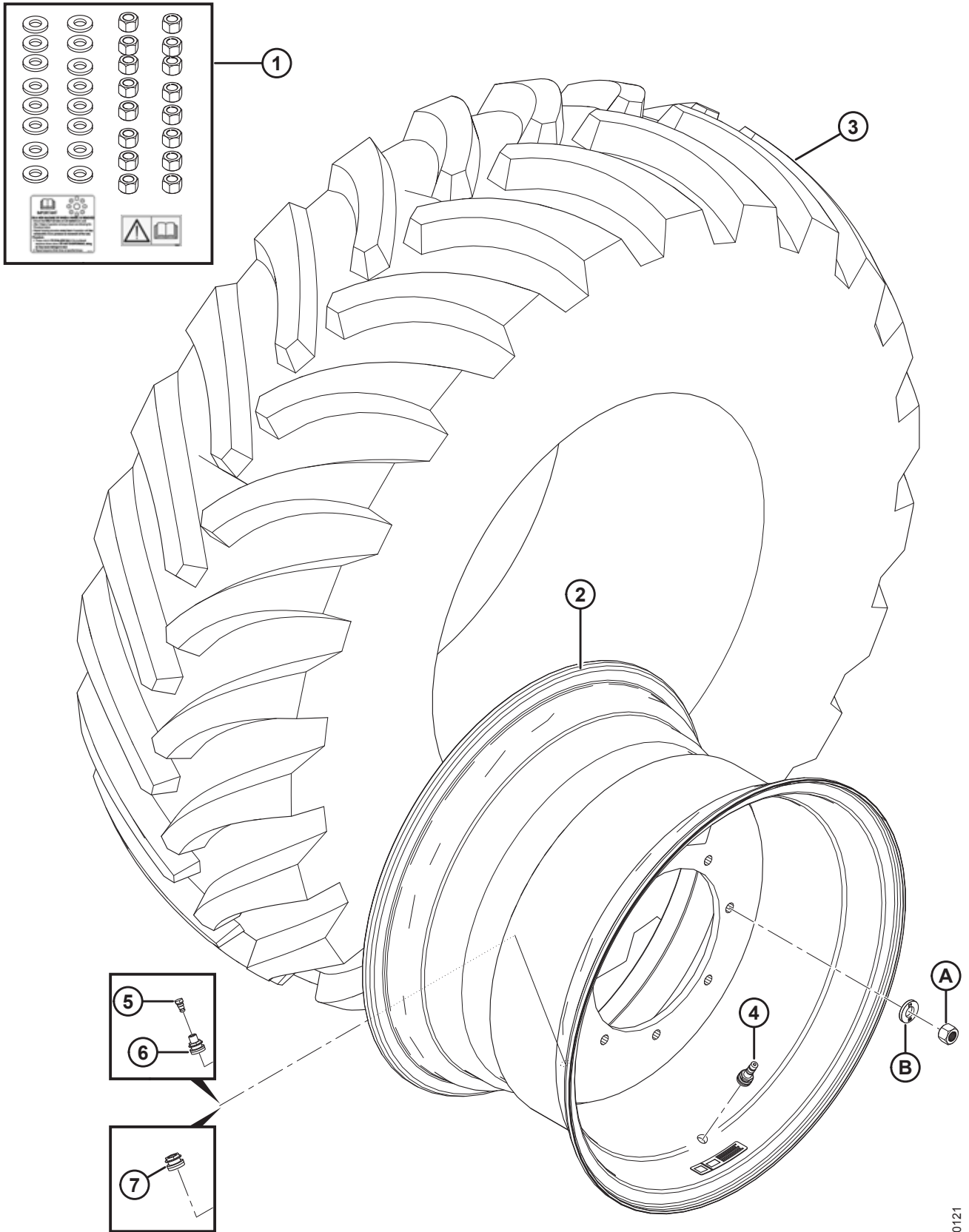


DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
1	166729	KIT – SERVICE L9 DRIVE WHEEL HARDWARE ²⁰		
	B4632	KIT – DRIVE TIRES, TURF 23.1-26 ²¹		
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	
	B4370	KIT – DRIVE TIRES, TURF 560-65D24 ²²		
2	111373	WHEEL – 24DW-16L C/W DECALS	2	
3	111372	TIRE – GOODYEAR 560/65D24 SOFTRAC	2	
4	112475	STEM – VALVE (METAL)	2	
	B2994	KIT – DRIVE TIRES, TURF 540-65R24 ²²		
2	111373	WHEEL – 24 X DW-16L C/W DECALS	2	
3	111251	TIRE – RADIAL 540 65 R24 (MICHELIN)	2	
	111252	TIRE – RADIAL 540 65 R24 (FIRESTONE)	2	
	111795	TIRE – RADIAL 540 65 R24 (GOODYEAR)	2	
4	112475	STEM – VALVE (METAL)	2	
	B2989	KIT – DRIVE TIRES, BAR 500-70R24 ²²		
2	111373	WHEEL – 24 X DW-16L C/W DECALS	2	
3	111254	TIRE – 500-70R 24 BAR	2	
4	112475	STEM – VALVE (METAL)	2	

20. Kit replaces any previous nut to eliminate any possible bolt loosening. Kit includes 16 nuts (hardware A), 16 washers (hardware B), decals, and instructions.
21. Kits available through Whole Goods only.
22. Kits B4370, B2994 and B2989 are no longer available through Whole Goods. Individual service items remain available as service parts.

DRIVE WHEELS AND TIRES



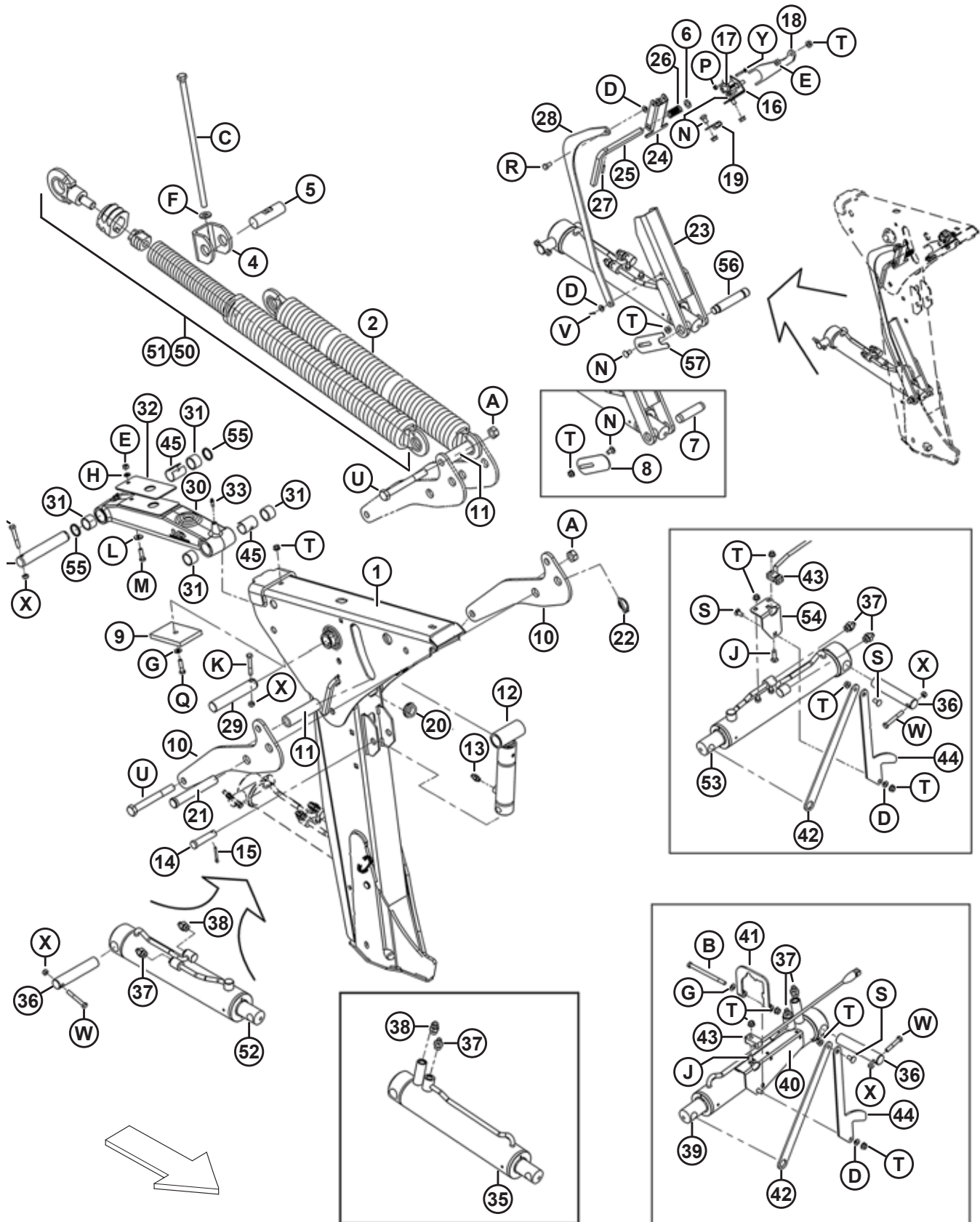
1030121

DRIVE WHEELS AND TIRES

Ref	Part Number	Description	Qty	Serial Number
	B4944	KIT – DRIVE TIRES, BAR 600-65 R28 ²¹		
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 ²¹		
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 ²¹		
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 580-70R26 ²¹		
2	111699	WHEEL – 26DW – 20L C/W DECALS	2	
3	162431	TIRE – 580-70R26, TURF RADIAL	2	
4	112475	STEM – VALVE (METAL)	2	
7	162436	PLUG – WHEEL	2	
A	REF	NUT – HEX L9 5/8-18-L9-ZP ²³		
B	REF	WASHER – FLAT HARDENED 5/8 IN. NOMINAL (L9) ²³		

23. Not sold separately; serviced with kit MD #166729.

13 Lift Linkage



1036322

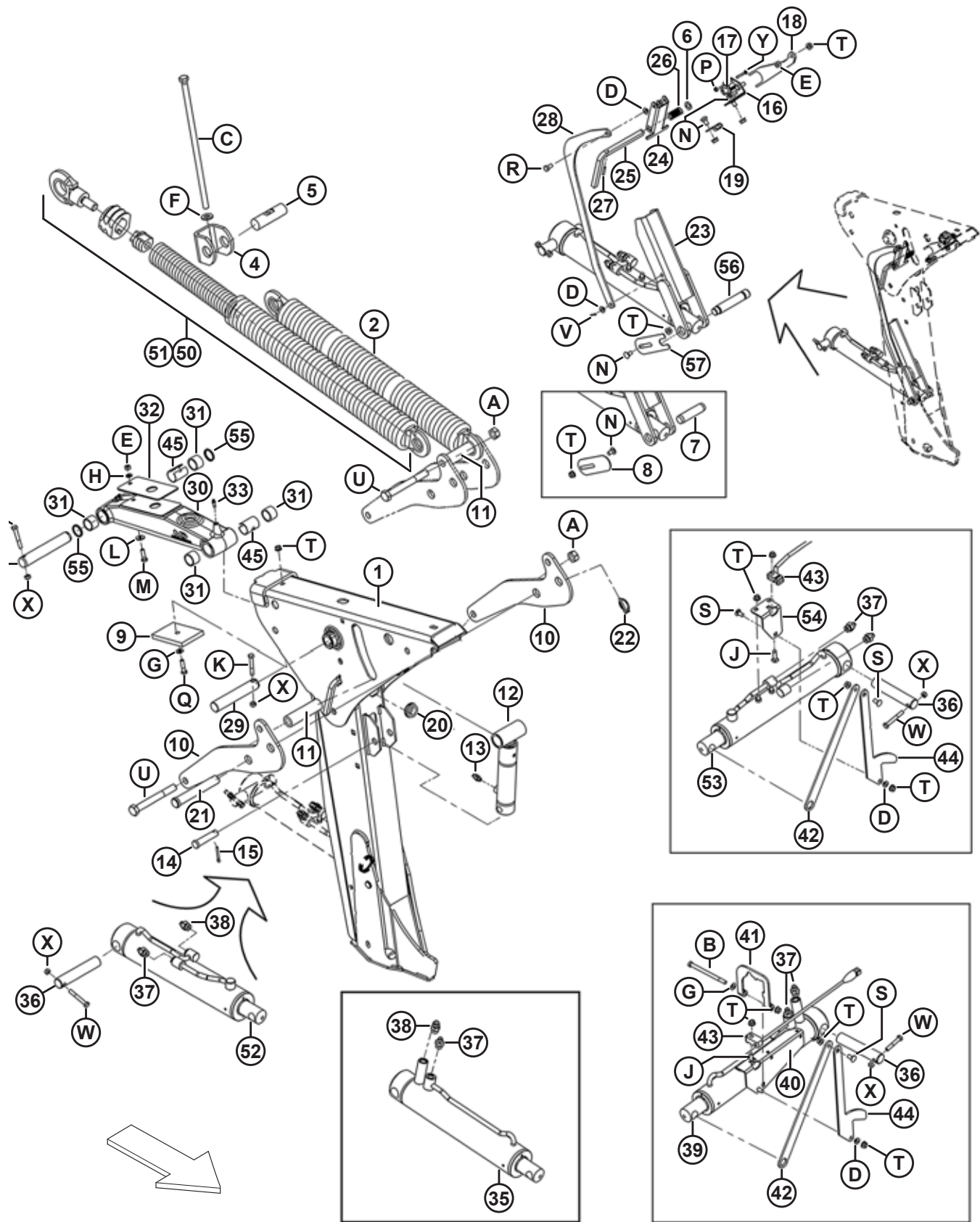
LIFT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
1	166446	ARM – ASSY LH, C/W 2 PANEL DECAL AND LOWER PIN ²⁴	1	
	166447	ARM – ASSY RH, C/W 2 PANEL DECAL AND LOWER PIN ²⁴	1	
2	306104	ASSEMBLY – SPRING ²⁵	4	
4	44601	CLEVIS	2	
5	44995	PIN – STRAIGHT	2	
6	163373	WASHER – FLAT RD (SQUARE BORE)	2	
7	112918	PIN – STRAIGHT	2	–207009
8	44822	BAR	2	–207009
9	42497	PAD – RUBBER	2	
10	112732	ARM – FLOAT ADJUST	4	
11	112916	TUBE – PIVOT	4	
12	112735	CYLINDER – FLOAT ADJUST	2	
	112991	SEAL KIT (FOR CYLINDER)	1	
13	112184	FITTING – ADAPTER HYD	2	
14	30464	PIN – CLEVIS	2	
15	18608	PIN – COTTER 3/16 DIA X 1.5 ZP	2	
16	112995	SUPPORT – SENSOR	2	
17	109904	SENSOR – ROTARY	2	
18	112994	ARM – FLOAT SENSOR	2	
19	39272	CLIP – INSULATED	2	
20	112640	GROMMET	4	
21	112752	PIN – CLEVIS	2	
22	102264	PIN – LYNCH 3/16 X 1 9/16 IN	2	
23	112798	LOCK – HEADER	2	
24	112907	CHANNEL – LOCK RELEASE	2	
25	163313	ARM – RELEASE	2	
26	19739	SPRING – COMPRESSION	2	
27	13617	PIN – SPRING 3/16 DIA X 1.25 LG	4	
28	112908	ARM – LOCKUP LINK	2	
29	112639	PIN – FLOAT LINK	2	

24. Includes lower pin (MD #183772) and plate (MD #138773).

25. Complete assembly.

LIFT LINKAGE



1036322

LIFT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
30	112727	ARM – FLOAT LINK ASSEMBLY ²⁶	2	
31	112789	BEARING – NEEDLE	8	
32	110853	SHIM – LINKAGE	4	
33	7536	FITTING – LUBRICATION 1/4-28 TAPER THD	4	
34	112760	PIN – STRAIGHT	2	
35	112930	CYLINDER – MASTER, 3.25 IN BORE	1	–185859
	166197	SEAL KIT – CYLINDER, MASTER		
36	112759	PIN – STRAIGHT	2	
37	21804	FITTING – CONNECTOR HYD	3	
38	21030	FITTING – CONNECTOR HYD	1	
39	112931	CYLINDER – SLAVE, 2.75 IN BORE ²⁷	1	–185859
	166198	SEAL KIT – CYLINDER, SLAVE		
40	112810	SUPPORT – HEIGHT SENSOR	1	–185859
41	110831	CLAMP – SENSOR	1	–185859
42	112804	BAR – HEIGHT SENSOR LINK	1	
43	166237	SENSOR – ANALOG	1	
44	112803	BAR – HEIGHT SENSOR LINK	1	
45	163310	SPACER – FLOAT LINK ARM	4	
50	306106	ASSEMBLY – SPRING (INNER AND OUTER) ²⁸		
51	B5303	KIT – INTERNAL BOOSTER SPRING M200 ²⁹	A/R	
52	166190	CYLINDER – MASTER, 3.25 IN BORE	1	185860–
	166197	SEAL KIT – CYLINDER, MASTER		
53	208648	CYLINDER – SLAVE, 2.75 IN BORE ²⁷	1	185860–
	166198	SEAL KIT – CYLINDER, SLAVE		
54	163676	SUPPORT – HEIGHT SENSOR	1	185860–
55	139134	SEAL	4	

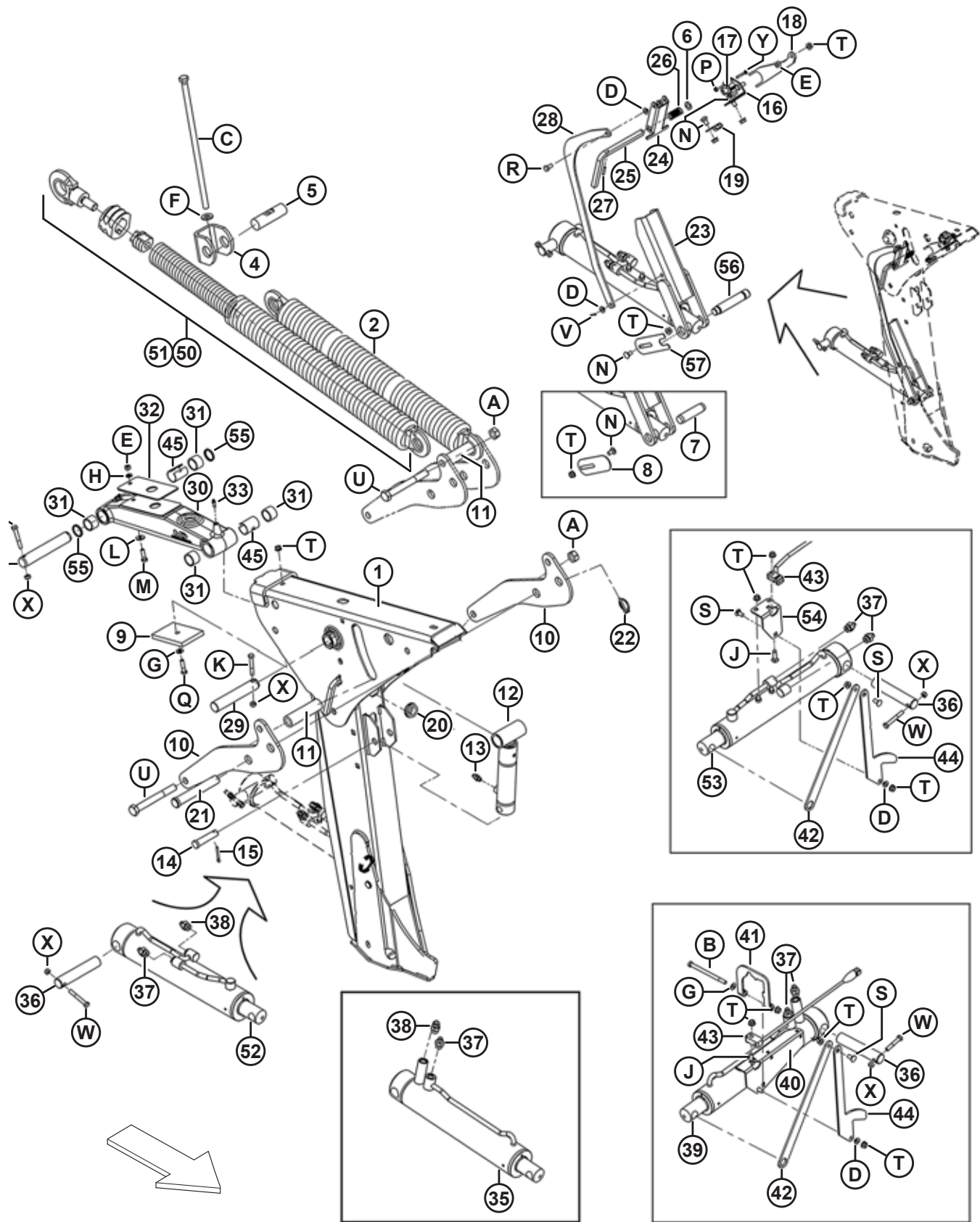
26. Includes 4 bearing needles (MD #112789), 2 spacers (MD #163310), and 2 seals (MD #139134).

27. For units with serial number 185859 and prior, order slave cylinder MD #112931. If stock of MD #112931 is depleted, kit MD #166200 will be substituted. This kit consists of new slave cylinder MD #208648, support MD #163676, and two nuts (MD #30228).

28. Complete assembly. Quantities: M150 = 2, M200 = 1.

29. Kit includes complete spring assembly (MD #306106) and instructions. Can be installed on the right side of M200 Windrowers to increase float capacity. Standard equipment on the left side of M200 (quantity of 1) and on both sides of M150 (quantity of 2). Kits available through Whole Goods only.

LIFT LINKAGE

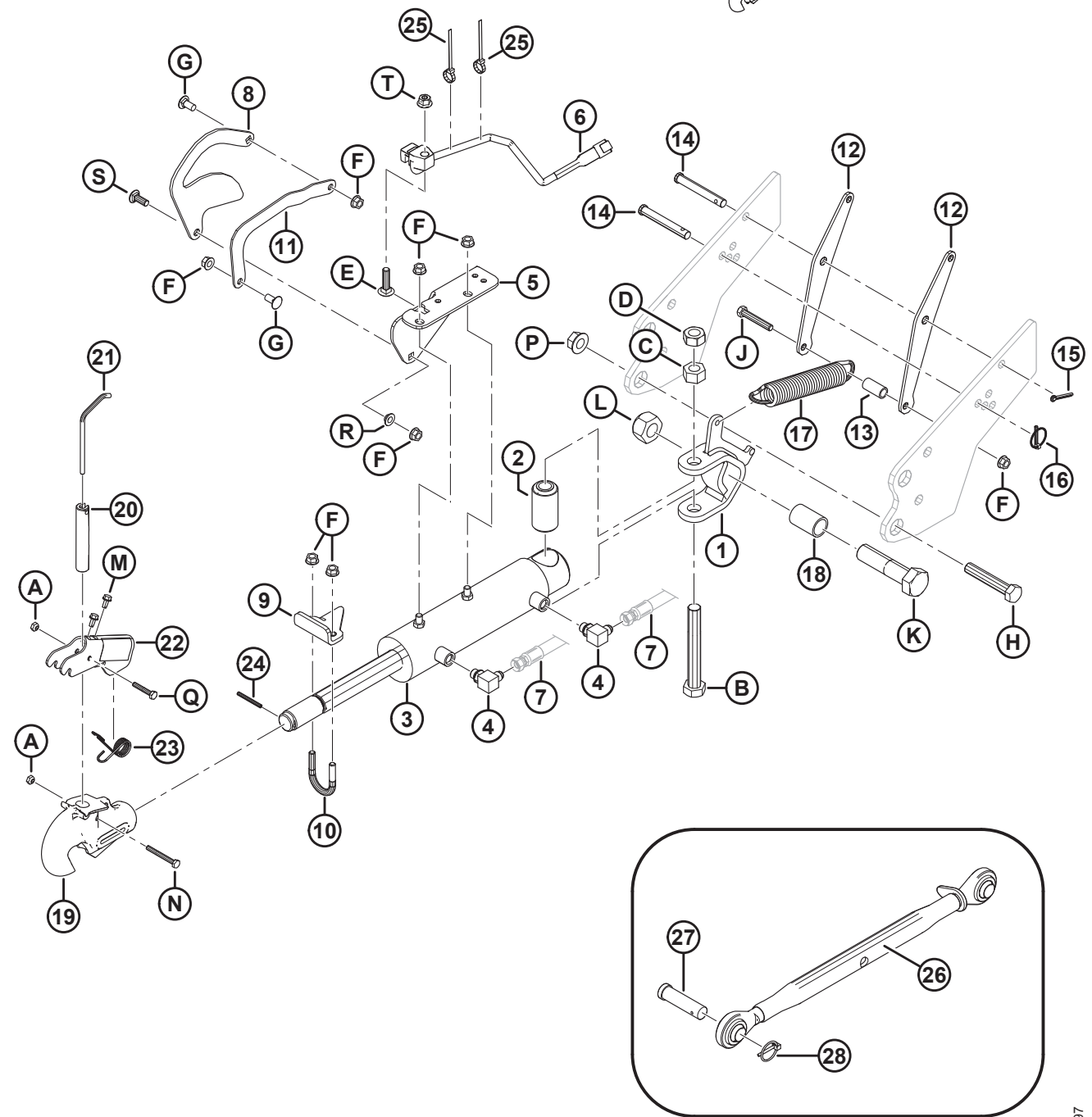
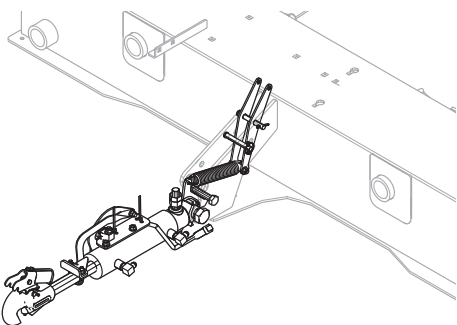


1036322

LIFT LINKAGE

Ref	Part Number	Description	Qty	Serial Number
56	138772	PIN – RETAINING, LOWER	2	
57	138773	PLATE – PIN RETAINER	2	
A	102636	NUT – HEX DT .750-10 UNC		
B	10948	BOLT – HH 3/8 NC X 5.5 LG GR 5 ZP		
C	112740	BOLT – HH WELDT		
D	135281	WASHER – SHOULDER, NYLON		
E	18590	NUT – HEX 3/8 – 16 UNC GR 5 ZP		
F	30441	WASHER – HARDENED		
G	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
H	18637	WASHER – REG LOCK 3/8 IN NOM ID ZP		
J	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
K	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
L	20535	WASHER-FLAT		
M	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
N	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
P	21492	NUT – FLG (SER FACE) # 10 NC GR 5 ZP		
Q	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
R	21567	BOLT – HH .375-16 UNC X 0.75 LG		
S	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
T	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
U	30387	BOLT – HH 3/4 NC X 6.5 LG GR 5 ZP		
V	18604	PIN – COTTER, 3/32 x 3/4 IN		
W	30035	BOLT – HH 3/8 NC X 2.75 LG GR 5 ZP		
X	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
Y	21487	BOLT – RDH, SQUARE NECK, #10-24 NC X1.5 IN L		

14 Center-Link



1026197

CENTER-LINK

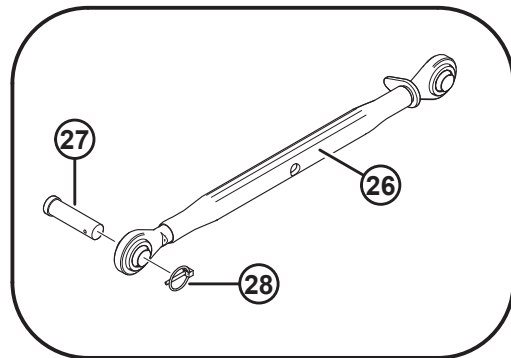
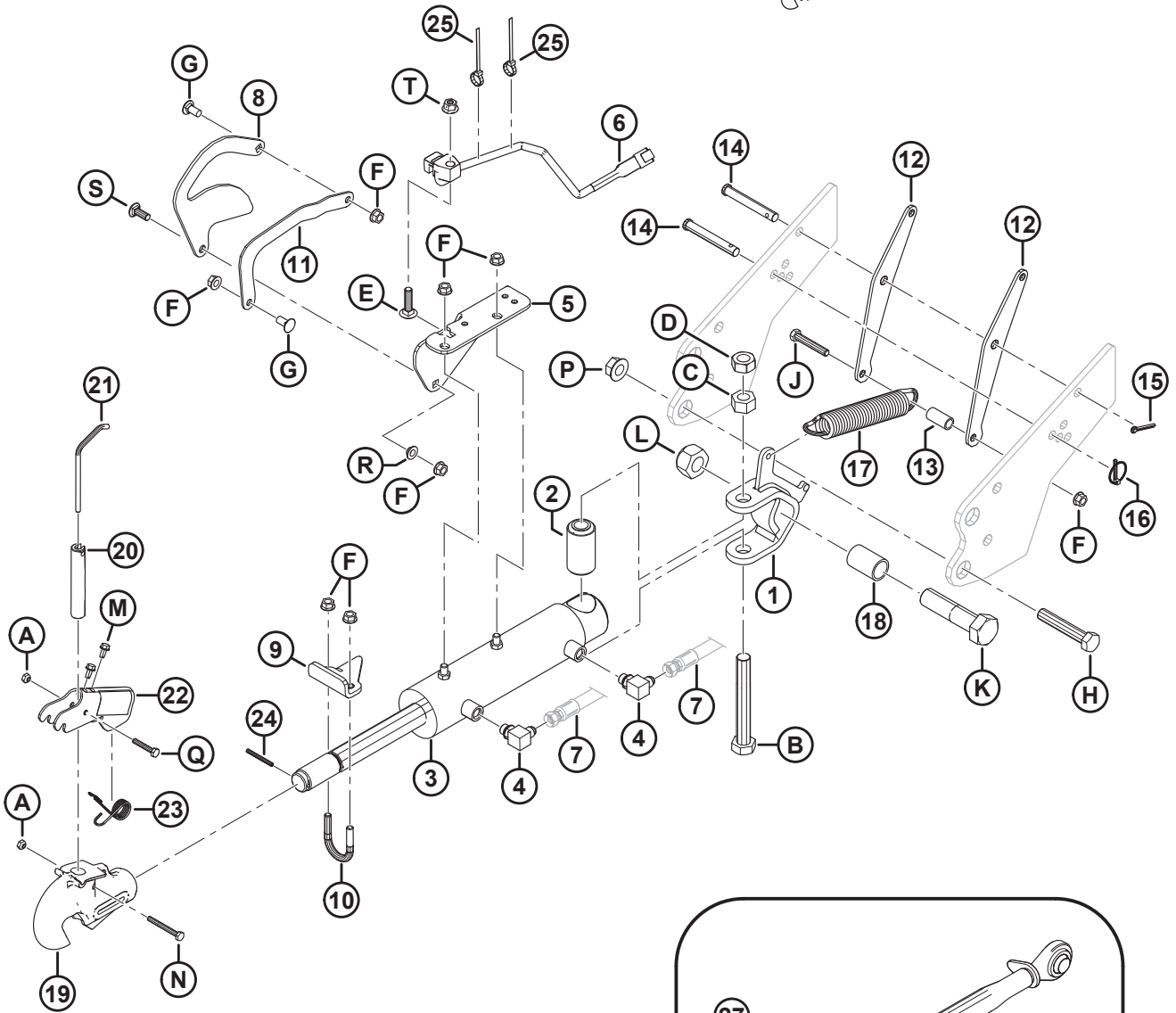
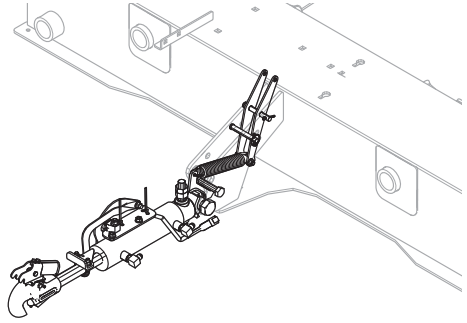
Ref	Part Number	Description	Qty	Serial Number
	B4650	HYDRAULIC CENTER-LINK ³⁰		
	B4665	MECHANICAL CENTER-LINK ³⁰		
1	110824	CLEVIS – WELDT	1	
2	30574	BUSHING – RUBBER	1	
3	163466	CYLINDER – CENTER-LINK ³¹	1	
	112625	SEAL KIT – CYLINDER	1	
4	30282	FITTING – ELBOW 90° HYD	2	
5	112902	SUPPORT – TILT SENSOR	1	–174609
	163396	SUPPORT – TILT SENSOR	1	174610–
6	166237	SENSOR – ANALOG	1	
7	112998	CLAMP – SENSOR	1	–174609
8	112901	LINK – TILT SENSOR	1	
9	112691	SUPPORT	1	
10	112973	BOLT – U	1	
11	112903	LINK – TILT SENSOR	1	
12	110828	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 OD X 1.0 ID	1	
19	156849	HOOK ASSEMBLY ³²	1	
20	156848	PIN – LOCK	1	
21	156886	ROD – ACTUATOR	1	
22	156887	LATCH – HANDLE	1	
23	133209	SPRING – LATCH ASSEMBLY	1	
24	135453	PIN – SPRING 3/16 DIA X 1 7/8 LG	1	

30. Kits available through Whole Goods only.

31. Includes bushing (MD #30574). For units with serial number 174609 and prior, when ordering center link cylinder, order kit MD #163467 which consists of cylinder (MD #163466), support (MD #163396), and 2 locknuts (MD #30228).

32. Includes items #20–23, and hardware.

CENTER-LINK

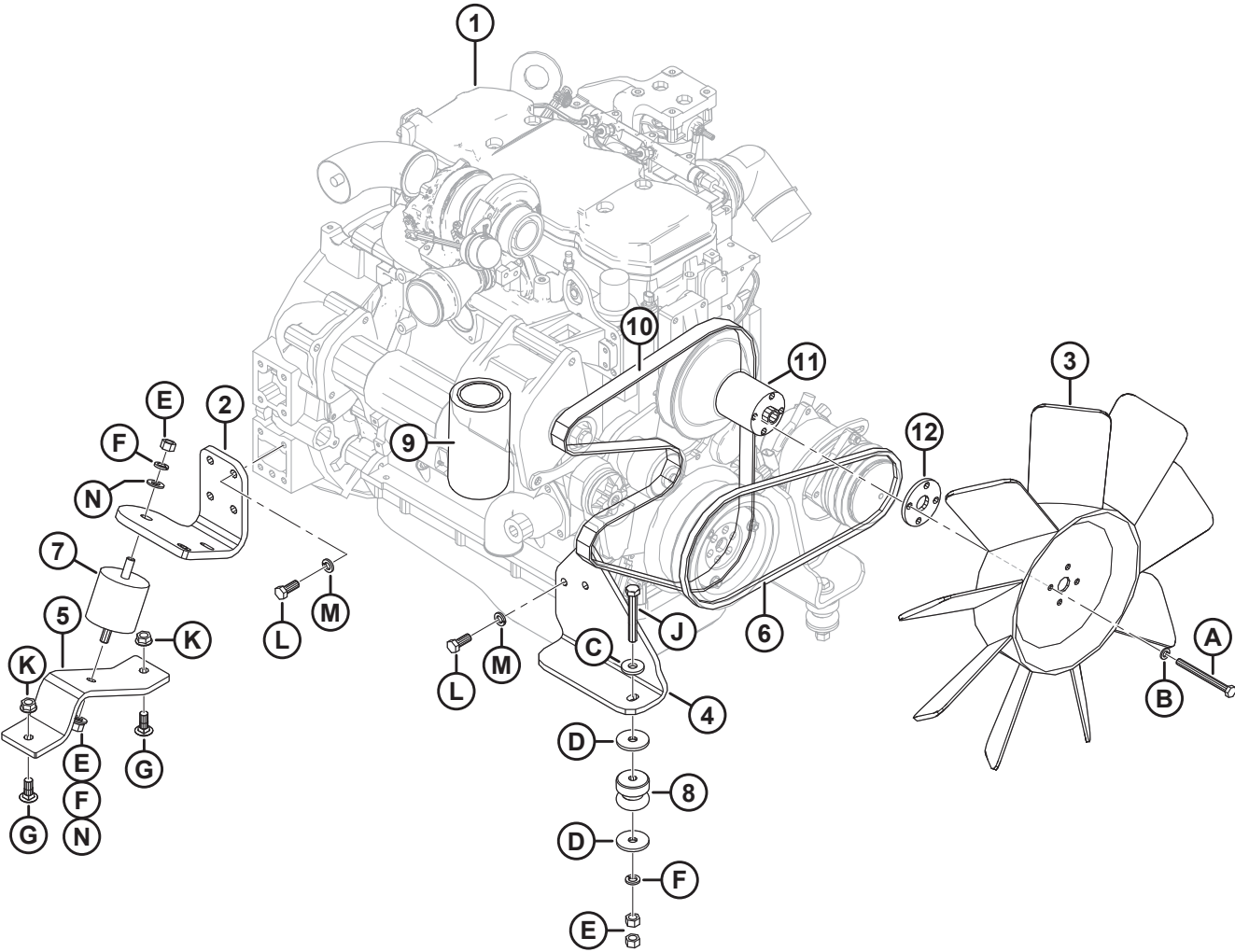


1026197

CENTER-LINK

Ref	Part Number	Description	Qty	Serial Number
25	112869	JOINT ASSEMBLY (MECHANICAL CENTER-LINK)	1	
26	102265	PIN – CLEVIS	1	
27	102264	PIN – LYNCH	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		
E	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
F	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
G	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
H	10948	BOLT – HH 3/8 NC X 5.5 LG GR 5 ZP		
J	135281	WASHER – SHOULDER, NYLON		
K	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
L	21406	BOLT – HH 5/8 NC X 3.5 LG GR 5 ZP		
M	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
N	30897	BOLT – HH 1.0 NC X 4.0 LG GR 5 ZP		
P	135172	NUT – HEX LOCK DT 1.0-8 UNC		
Q	21574	BOLT – HH 1/4 NC X 1.5 LG GR 5 ZP		
R	21055	SCREW – SELF TAP HEX WASH HD 1/4 NC X 1/2		
S	30638	BOLT – HH 1/4 NC X 2.25 LG GR 5 ZP		
T	50225	NUT – FLG DT SMTH FACE, 5/8 NC		

15 Engine Sub Assembly (M150)

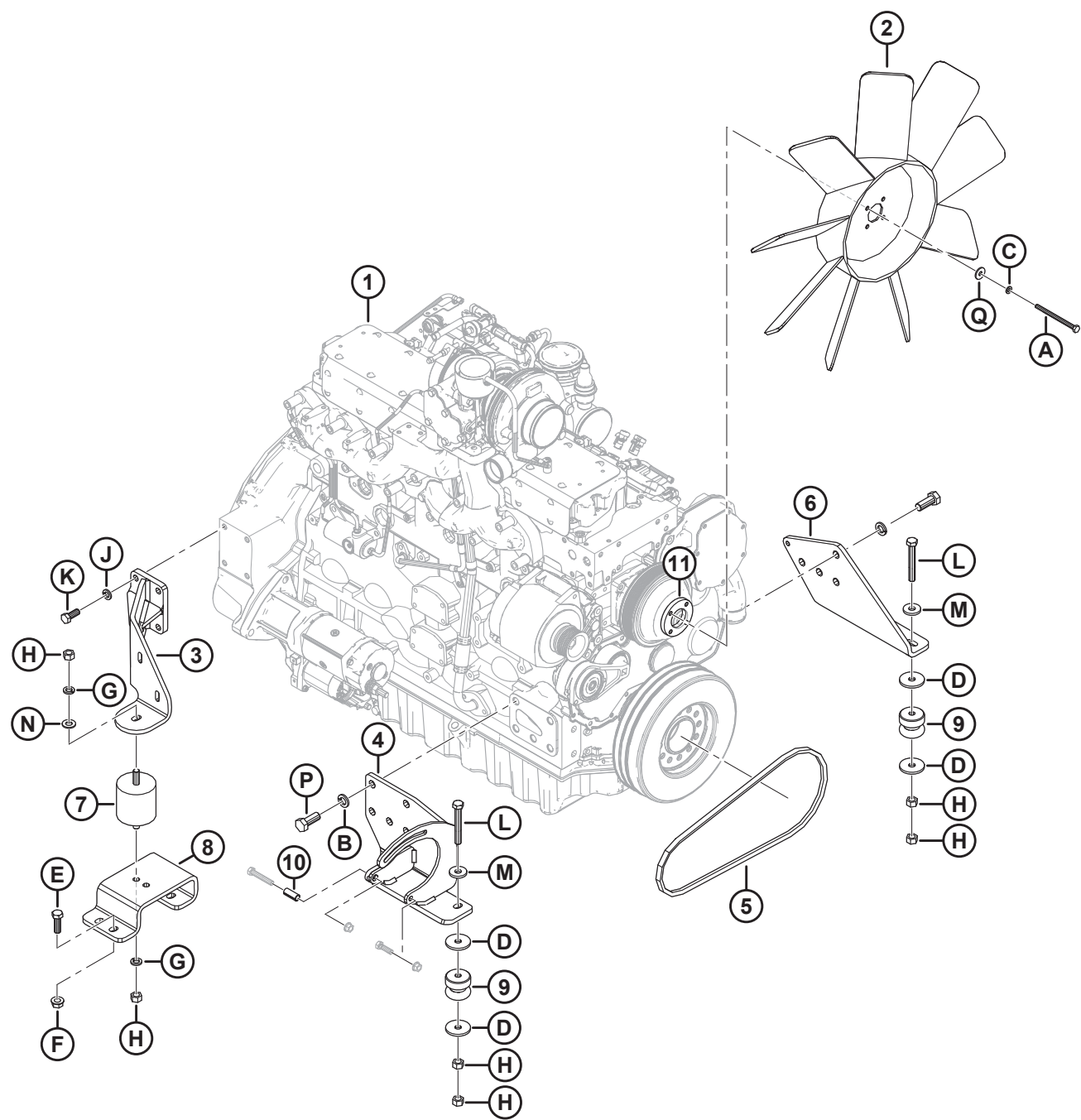


ENGINE SUB ASSEMBLY (M150)

Ref	Part Number	Description	Qty	Serial Number
1	NSS	ENGINE – 4 CYL (CUMMINS) ³³	1	
2	110655	BRACKET – FRONT LH ENGINE MOUNT (CUMMINS)	1	
	110656	BRACKET – FRONT RH ENGINE MOUNT (CUMMINS)	1	
3	112842	FAN – ENGINE (CUMMINS)	1	
4	111838	PLATE – ENGINE MOUNT RH	1	
	NSS	PLATE – ENGINE MOUNT LH (CUMMINS) ³³	1	
5	44437	SUPPORT	2	
6	163368	BELT – V SAE 13A	1	
7	42008	INSULATOR	2	
8	42099	INSULATOR	2	
9	111974	OIL FILTER	1	
10	111971	FAN BELT	1	
11	111344	SPACER – FAN (3 IN.)	1	
12	162118	SPACER – FAN (1/4 IN.)	1	
	21763	FASTENER – CABLE TIE, BLACK (NOT ILLUSTRATED)	2	
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 ID ZP		
G	21471	BOLT – RHSN 1/2 NC X 1.25 LG GR 5 ZP		
H	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
J	21589	BOLT – HH 1/2 NC X 4.0 LG GR 5 ZP		
K	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
L	30630	BOLT – HH M12 X 1.75 X 30 LG ZP		
M	30633	WASHER – LOCK SPRING M12 ZP		
N	18599	WASHER – FLAT SAE 17/32 I.D. X 1 1/16 O.D. AA1J		

33. Not sold separately.

16 Engine Sub Assembly (M200)



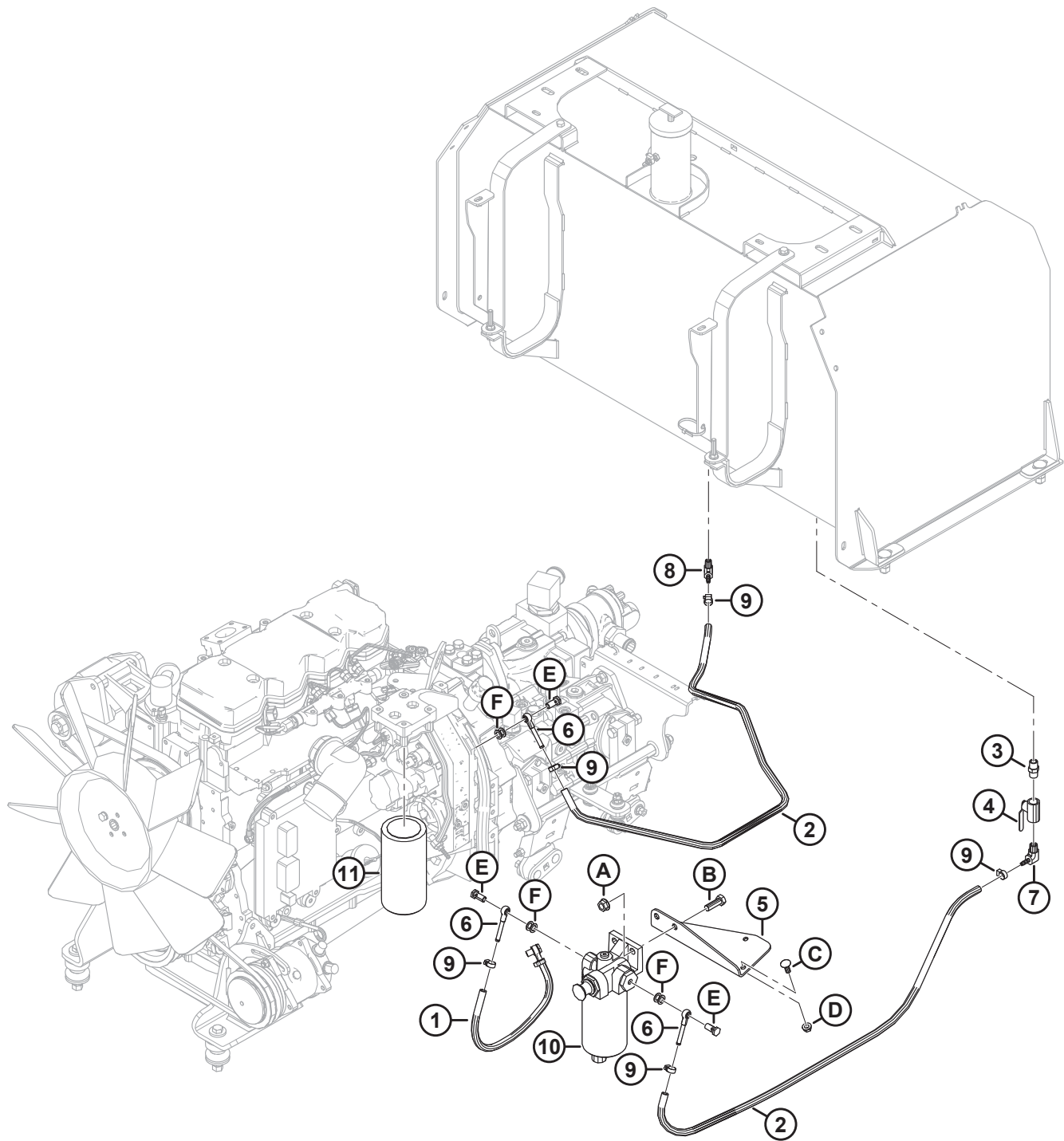
ENGINE SUB ASSEMBLY (M200)

Ref	Part Number	Description	Qty	Serial Number
1	NSS	ENGINE (6 CYL) ³⁴		
	163911	FAN BELT	1	
	163912	OIL FILTER	1	
2	163395	FAN – ENGINE	1	
3	163263	SUPPORT – LH ENGINE MOUNT (FLYWHEEL)	1	
	163264	SUPPORT – RH ENGINE MOUNT (FLYWHEEL)	1	
4	162039	ASSY – MOTOR MOUNT ³⁵	1	
5	163368	BELT – V SAE 13A	1	
6	110949	SUPPORT – RH ENGINE MOUNT (FAN END)	1	
7	42008	INSULATOR	2	
8	163266	SUPPORT – ISOLATOR MOUNT	2	
9	42099	INSULATOR	2	
10	23050	SPACER	1	
11	163289	SPACER – FAN	1	
A	135523	BOLT – HH M8 X 1.25 X 110 LG ZP		
B	135492	WASHER – LOCK SPRING (M16)		
C	30716	WASHER – LOCK SPRING (M8)		
D	11695	WASHER – FLAT		
E	18723	BOLT – HH 1/2 NC X 1.5 LG TFL GR 5 ZP		
F	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
G	18638	WASHER – REG LOCK 1/2 IN NOM ID ZP		
H	18591	NUT – HEX 1/2 – 13 UNC GR 5 ZP		
J	30633	WASHER – LOCK SPRING M12 ZP		
K	30630	BOLT – HH M12 X 1.75 X 30 LG ZP		
L	21581	BOLT – HH 1/2 NC X 3.5 LG GR 5 ZP		
M	4761	WASHER – FLAT		
N	18599	WASHER – SAE FLAT 17/32 ID X 1 1/16 IN OD ZP		
P	111528	BOLT – HH, M16X2.0X40 LG, GRADE 8.8		
Q	30634	WASHER – FLAT M8 ZP		

34. Not sold separately.

35. Includes spacer (MD #23050)

17 Fuel System (M150)



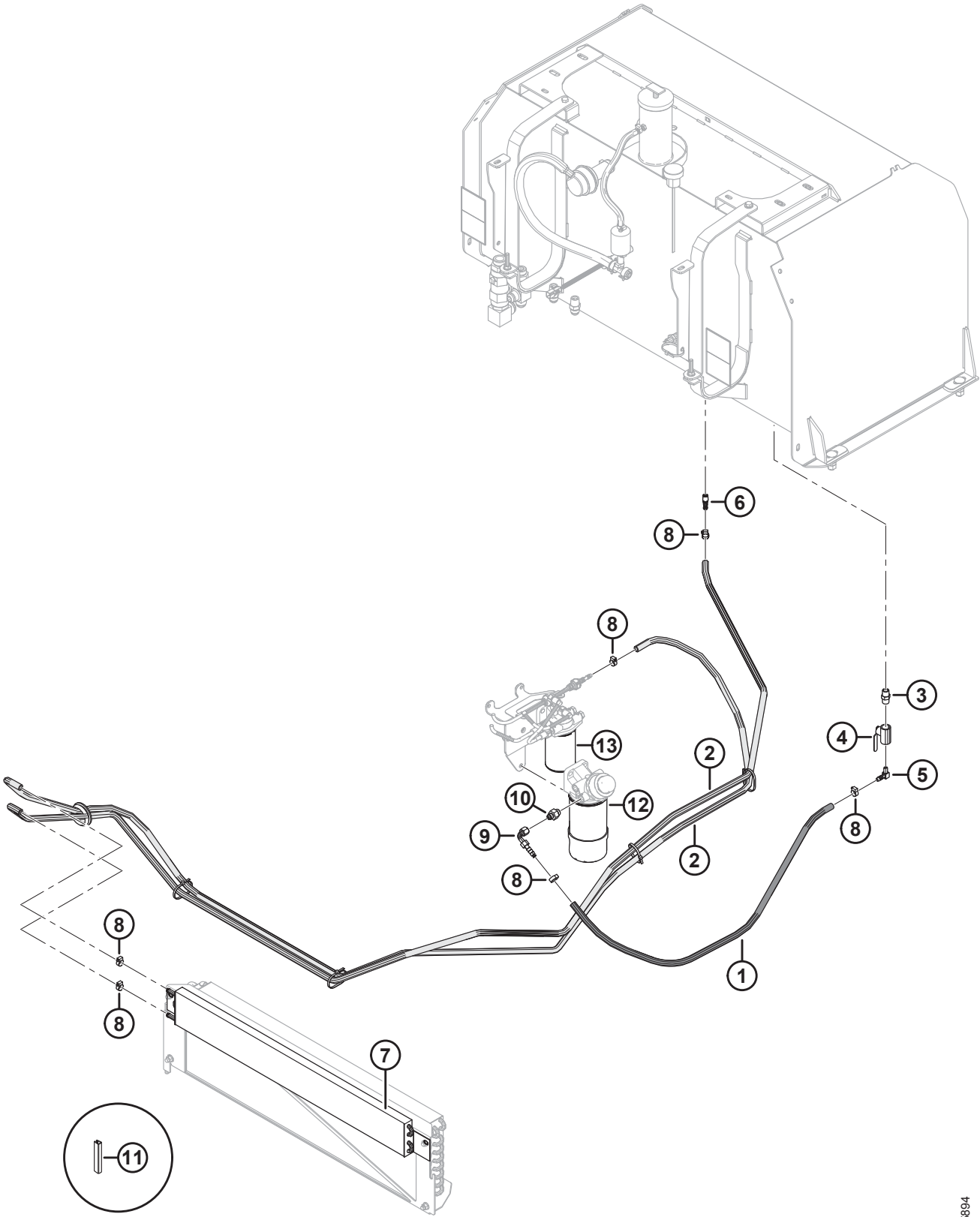
1035887

FUEL SYSTEM (M150)

Ref	Part Number	Description	Qty	Serial Number
1	111770	HOSE – 5/16 IN FUEL	1	
2	111771	HOSE – 5/16 IN FUEL	2	
3	111440	VALVE – BALL 3/8 NPT	1	
4	21844	FITTING – PIPE NIPPLE	1	
5	110992	BRACKET – PRIMARY FUEL FILTER	1	
6	163666	FITTING – BARBED (BANJO) ³⁶	4	
7	134063	FITTING – 90°	1	
8	134064	FITTING – 90°	1	
9	30500	CLAMP – HOSE GEAR TYPE	6	
10	111972	PRIMARY FUEL FILTER	1	
11	111973	SECONDARY FUEL FILTER	1	–174609
	166312	SECONDARY FUEL FILTER	1	174610–
A	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
B	18723	BOLT – HH 1/2 NC X 1.5 TFL LG GR 5 ZP		
C	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
E	110995	BOLT – BANJO		
F	110996	WASHER – BANJO (2 PK)		

36. Includes bolt (MD #110995) and washer (MD #110996).

18 Fuel System (M200)

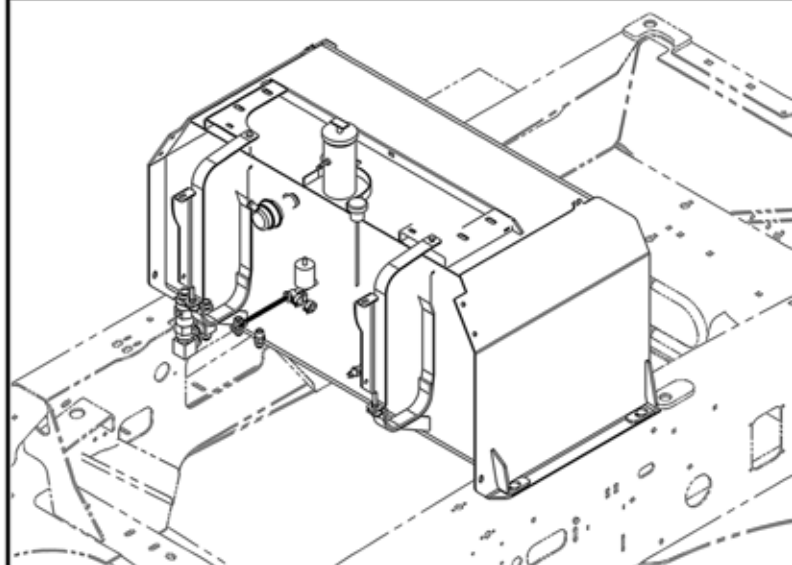
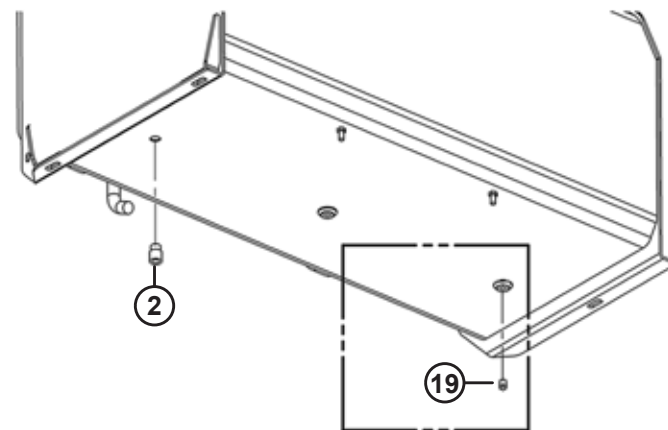
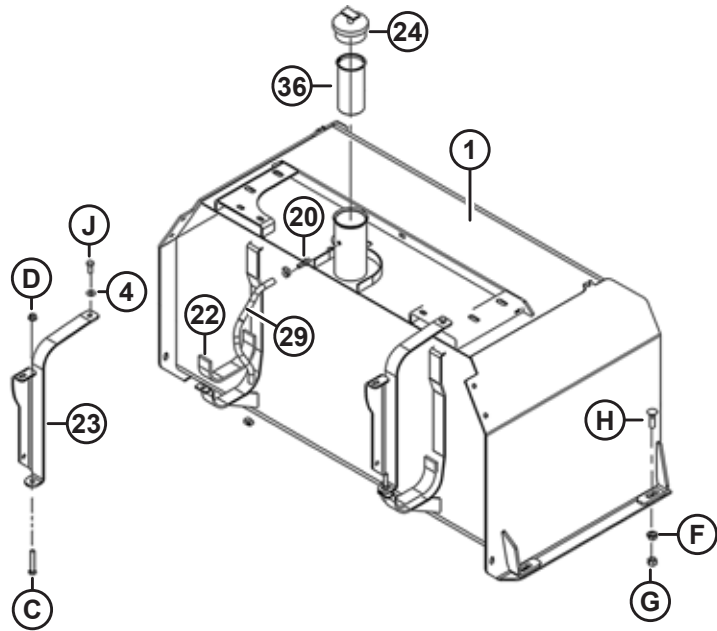
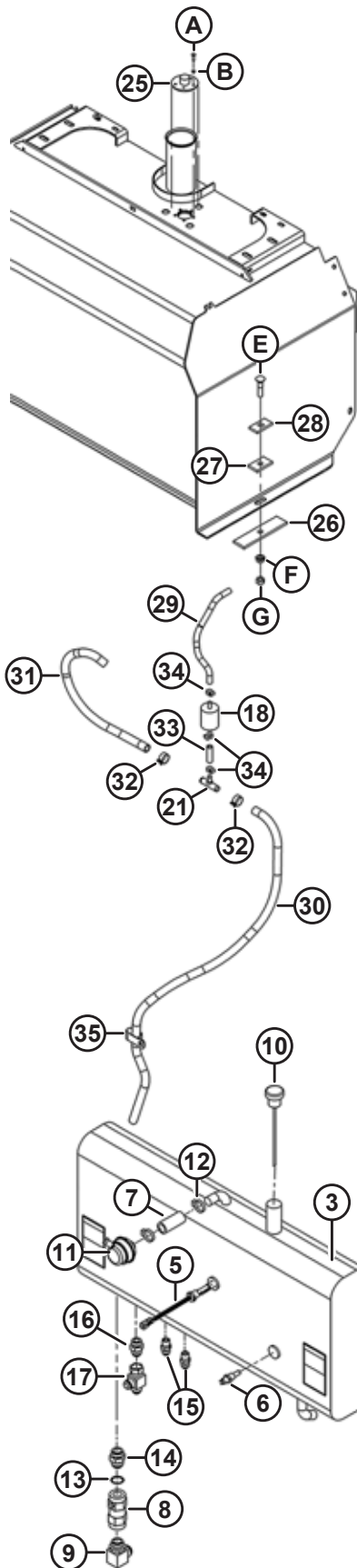


1035594

FUEL SYSTEM (M200)

Ref	Part Number	Description	Qty	Serial Number
1	111718	HOSE – FUEL (3/8 IN.)	1	
2	111831	HOSE – FUEL (3/8 IN.)	2	
3	21844	FITTING – PIPE NIPPLE	1	
4	111440	VALVE – BALL 3/8 NPT	1	
5	50069	FITTING – 90 ° BARB. ELBOW 3/8 ID HOSE X 3/8 NPT	1	
6	111442	FITTING – ELBOW 90° BARBED	1	
7	109941	COOLER – FUEL	1	
8	30500	CLAMP – HOSE GEAR TYPE	6	
9	135497	FITTING – HYD ELBOW	1	
10	135498	FITTING – CONNECTOR	1	
11	162116	MOULDING – FUEL LINES (UNIGRIP)	1	
12	163913	PRIMARY FUEL FILTER	1	
13	163914	SECONDARY FUEL FILTER	1	

19 Tanks (Fuel and Hydraulic)

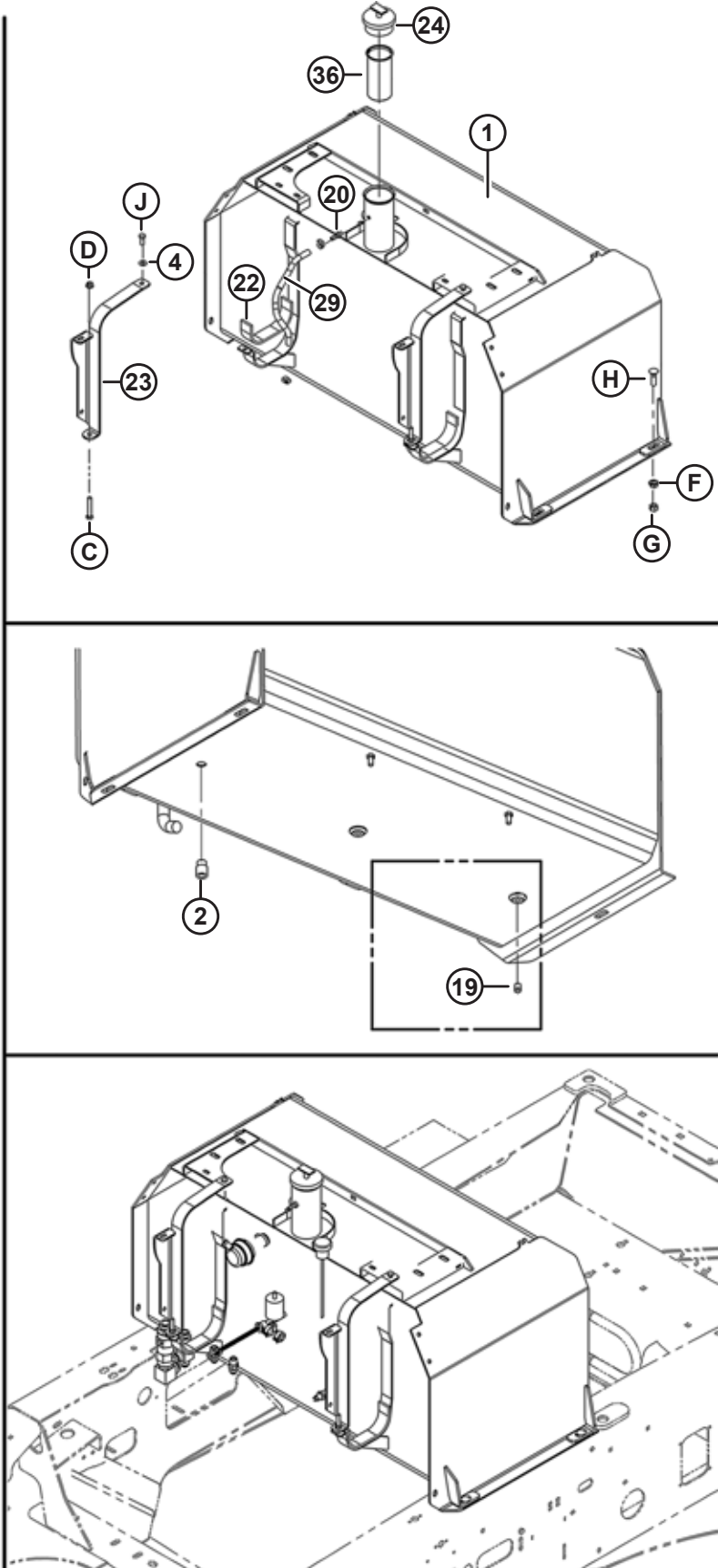
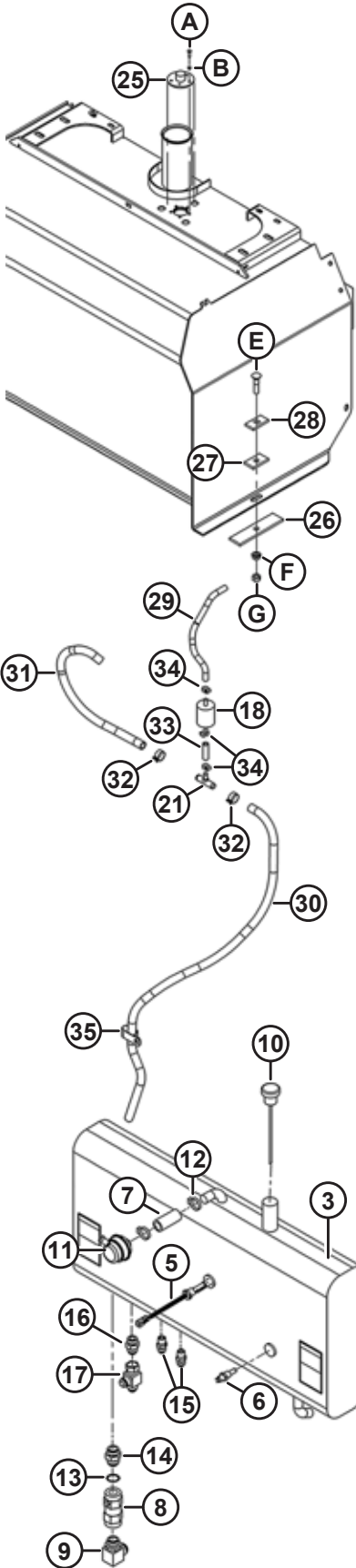


TANKS (FUEL AND HYDRAULIC)

Ref	Part Number	Description	Qty	Serial Number
1	110246	TANK – FUEL WELDT	1	
2	30390	FITTING – ADAPTER HYD	1	
3	163435	ASSY – HYDRAULIC TANK WITH DECALS	1	
	111975	PLUG 0.875-14 MAGNETIC HH	1	
	111976	SCREEN 30*30 MESH 6.750 LG	1	
4	30655	WASHER – HARDENED	2	
5	138473	SWITCH– OIL LEVEL	1	
6	110444	SWITCH – HYDRAULIC OIL TEMP	1	
7	110447	HOSE – VENT	1	
8	111531	CHECK VALVE – HYDRAULIC #16 SAE 25 PSI CRACK	1	
9	111542	FITTING – ELBOW 1.0 IN HOSE – 1.0 IN ADJ ORB	1	–181999
	21827	FITTING – ELBOW HYDRAULIC 16-16	1	182000–
10	21822	GAUGE – OIL FILLER/DIPSTICK	1	
11	20579	CLEANER – CRANK CASE VENT	1	
12	30670	CLAMP – HOSE	2	
13	50220	O-RING	1	
14	21828	FITTING – ADAPTER HYD	1	
15	21746	FITTING – CONNECTOR HYD	2	
16	21830	FITTING – CONNECTOR HYD	1	
17	50086	FITTING – HYD TEE	1	
18	111608	FILTER – FUEL, STRAINER	1	
19	6007	PLUG – SQ HEAD PIPE (2010 AND PRIOR)	1	–207009
20	21992	FITTING – BARBED 1/8 NPT X 3/8 ID HOSE	1	
21	134055	FITTING – TEE (5/8 X 5/8 X 3/8 IN)	1	
22	110135	PAD – RUBBER	2	
23	110136	STRAP – HYD TANK	2	
24	110248	CAP – FUEL TANK	1	
25	112142	SENDER – FUEL LEVEL ³⁷	1	
26	112095	PAD – RUBBER	1	
27	112153	PAD – RUBBER	1	

37. Sender includes gasket less mounting hardware.

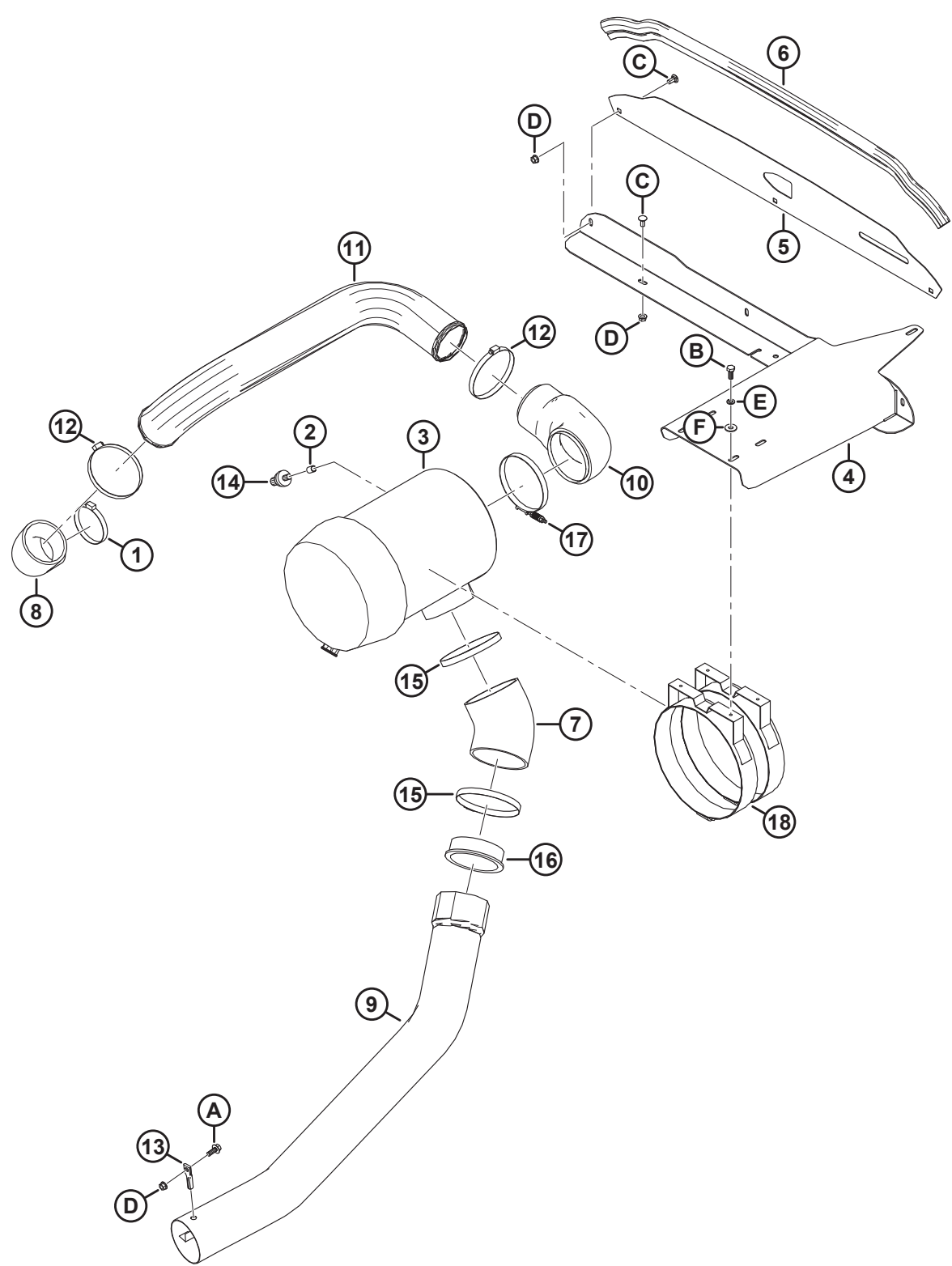
TANKS (FUEL AND HYDRAULIC)



TANKS (FUEL AND HYDRAULIC)

Ref	Part Number	Description	Qty	Serial Number
28	112154	PLATE	1	
29	163639	HOSE – 3/8 IN FUEL	1	
30	110964	HOSE IN TANK BREATHERS	1	
31	24936	HOSE	1	
32	112692	CLAMP – HOSE	2	
33	163640	HOSE – FUEL (3/8)	1	
34	30500	CLAMP – HOSE, GEAR TYPE	4	
35	50022	CLAMP – HOSE, INSULATED 15/16 IN (M150 ONLY)	1	
36	163989	FILTER – FUEL FILLER	1	
A	18577	SCREW – MACH PHIL PANHD #10 NC X 3/4		
B	18634	WASHER – REG LOCK #10 NOM ID ZP		
C	21262	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
E	30027	BOLT – RHSN 1/2 NC X 2.25 LG GR 5 ZP		
F	21383	NUT – FLG .500-13 UNC (SER FACE)		
G	18591	NUT – HEX 1/2 - 13 UNC GR 5 ZP		
H	30515	BOLT – RHSN 1/2 NC X 1.75 LG GR 5 ZP		
J	20077	BOLT – HH 3/8 NC X 1.0 GR 5 ZP		

20 Engine Air Intake (M150)



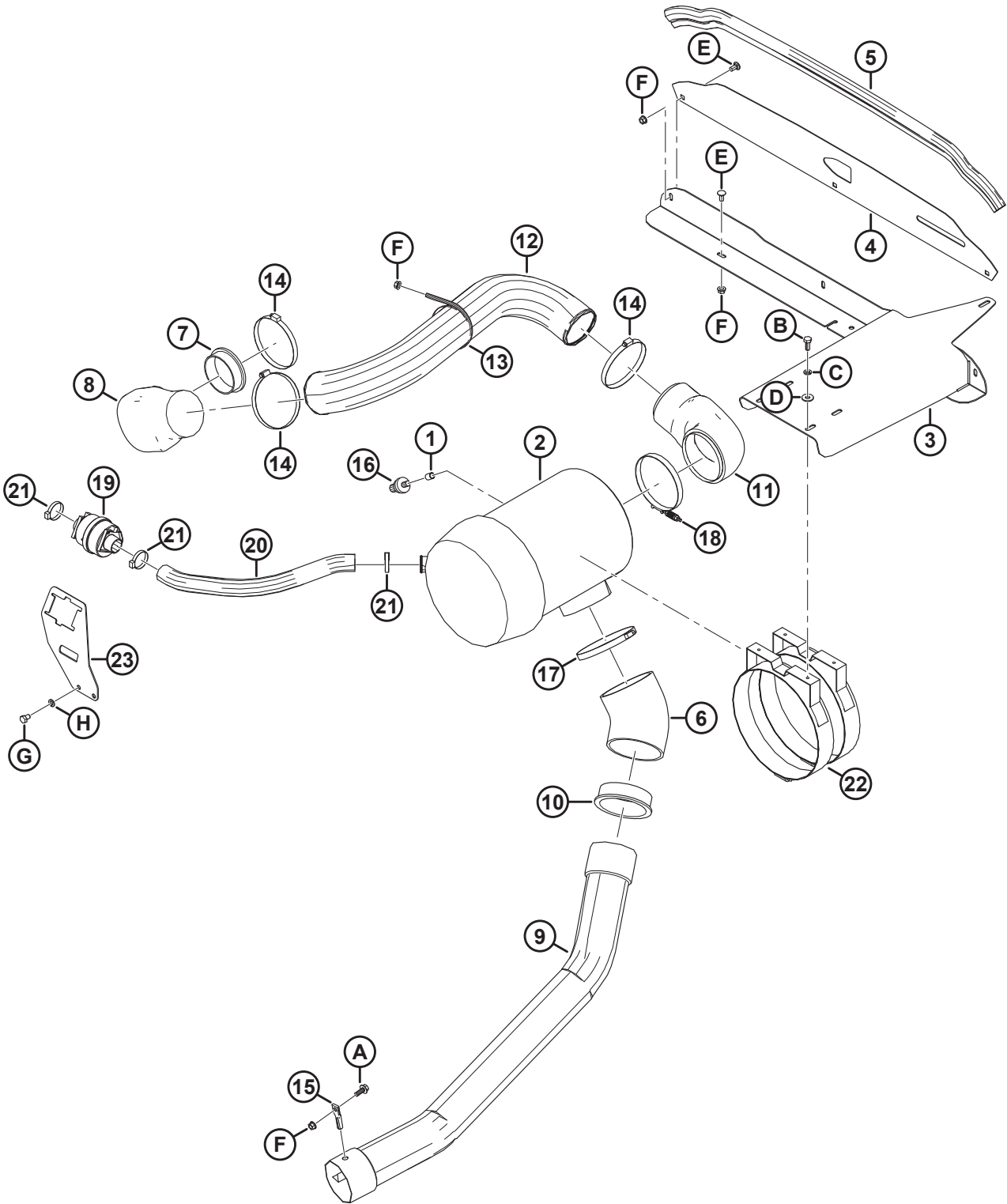
1036185

ENGINE AIR INTAKE (M150)

Ref	Part Number	Description	Qty	Serial Number
1	50073	CLAMP – HOSE	1	
2	50089	FITTING – COUPLING 1/8 NPT	1	
3	163995	CLEANER – AIR ³⁸	1	–179759
	162144	CLEANER – AIR ³⁸	1	179760–
	111954	ELEMENT – PRIMARY	1	
	111955	ELEMENT – SAFETY	1	
	111956	KIT – COVER	1	
	111957	VALVE – DUST EJECTOR	1	
4	110810	SUPPORT – AIR CLEANER WELDT	1	
5	110935	BAFFLE – AIR DAM	1	
6	110807	SEAL – AIR DAM	1	
7	110808	ELBOW – 5IN X 45° RUBBER	1	
8	111807	ELBOW – RUBBER REDUCER (4-3 IN)	1	
9	163320	TUBE – AIR BREATHER (DIRTY)	1	
10	111652	ADAPTER – AIR INTAKE REDUCER	1	
11	111654	TUBE – CLEAN SIDE AIR (MID HP)	1	
12	112230	CLAMP – HOSE	3	
13	112624	RETAINER – PIN	1	
14	112850	SWITCH – AIR FILTER VACUUM	1	
15	135200	CLAMP – HOSE (4.5-6.5 IN RANGE)	2	
16	163462	REDUCER – RUBBER SLEEVE	1	
17	162102	CLAMP – CONSTANT TORQUE	1	
18	163976	BRACKET – AIR CLEANER SUPPORT	1	
A	21447	BOLT – HH LG FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		
B	30627	BOLT – HH M10 X 1.5 X 25 LG ZP		
C	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
E	30632	WASHER – LOCK SPRING, M10		
F	30635	WASHER – FLAT M10		

38. Kit includes air cleaner and bracket (MD #163976).

21 Engine Air Intake (M200)



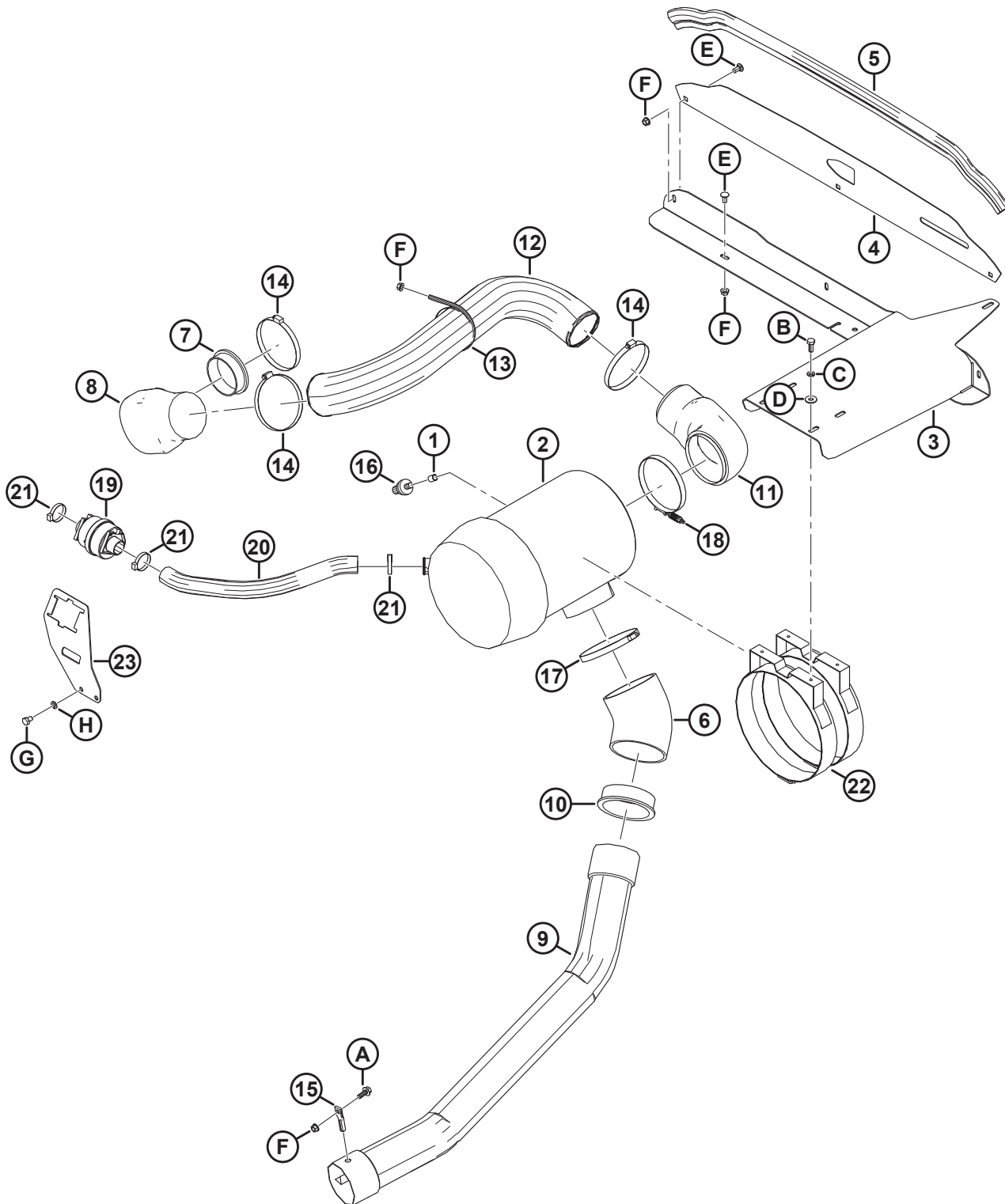
1036186

ENGINE AIR INTAKE (M200)

Ref	Part Number	Description	Qty	Serial Number
1	50089	FITTING – COUPLING 1/8 NPT	1	
2	163995	CLEANER – AIR ³⁹	1	–179759
	162144	CLEANER – AIR ³⁹	1	179760–
	111954	ELEMENT – PRIMARY	1	
	111955	ELEMENT – SAFETY	1	
	111956	KIT – COVER	1	
	111957	VALVE – DUST EJECTOR	1	
3	110810	SUPPORT – AIR CLEANER WELDT	1	
4	110935	BAFFLE – AIR DAM	1	
5	110807	SEAL – AIR DAM	1	
6	110808	ELBOW – 5 IN X 45° RUBBER	1	
7	163560	INSERT – RUBBER REDUCER	1	
8	111717	ELBOW – 90° RUBBER (COBRA)	1	
9	163320	TUBE – AIR BREATHER (DIRTY)	1	
10	163462	REDUCER – RUBBER SLEEVE	1	
11	111652	ADAPTER – AIR INTAKE REDUCER	1	
12	163270	TUBE – CLEAN SIDE AIR (HIGH HP)	1	
13	135527	BOLT – U	1	
14	135531	CLAMP – HOSE (LINED)	3	
15	112624	RETAINER – PIN	1	
16	112850	SWITCH – AIR FILTER VACUUM	1	
17	135200	CLAMP – HOSE (4.5-6.5 IN RANGE)	2	
18	162102	CLAMP – CONSTANT TORQUE	1	
19	163525	VALVE – CHECK	1	
20	163526	HOSE – ASPIRATOR	2	
21	30670	CLAMP – HOSE	4	
22	163976	BRACKET – AIR CLEANER SUPPORT	1	
23	163982	BRACKET – ASPIRATOR VALVE SUPPORT	1	
A	21447	BOLT – HH LG FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		

39. Kit includes air cleaner and bracket (MD #163976).

ENGINE AIR INTAKE (M200)

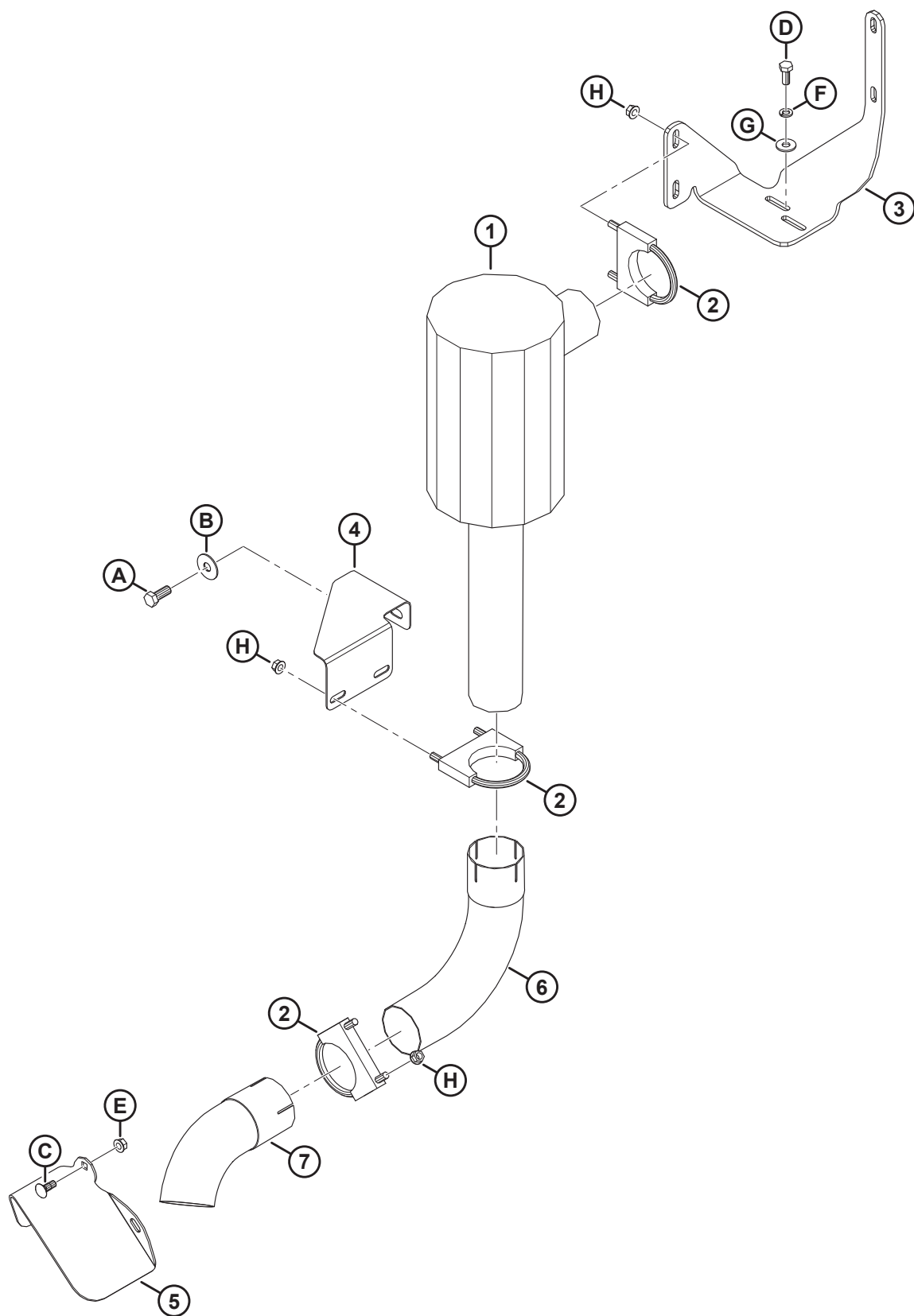


1036186

ENGINE AIR INTAKE (M200)

Ref	Part Number	Description	Qty	Serial Number
B	30627	BOLT – HH M10 X 1.5 X 25 LG ZP		
C	30632	WASHER – LOCK SPRING, M10		
D	30635	WASHER – FLAT M10		
E	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
F	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
G	50071	BOLT – HH, M10X15 MM		
H	30632	WASHER – LOCK, M10, ZP		

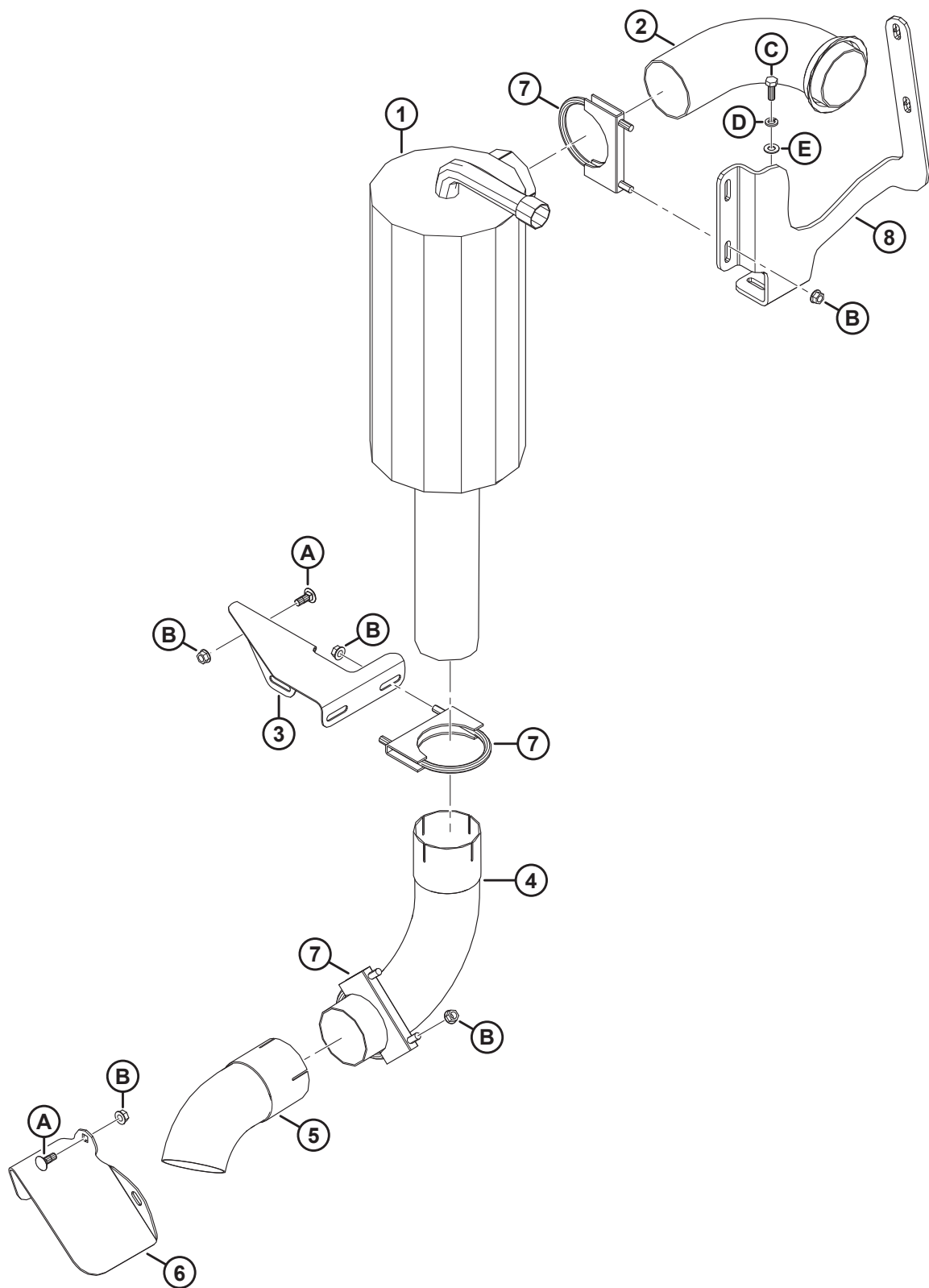
22 Engine Exhaust (M150)



ENGINE EXHAUST (M150)

Ref	Part Number	Description	Qty	Serial Number
1	111660	MUFFLER – MID HP	1	
2	42469	CLAMP – PIPE	3	
3	110743	BRACKET – MUFFLER ELBOW (CUMMINS 4 CYL)	1	
4	110786	BRACKET – MUFFLER SUPPORT	1	
5	111720	SHIELD – LH EXHAUST	1	
6	111805	ELBOW – EXHAUST (CUMMINS TIER III MID HP)	1	
7	111806	ELBOW – EXHAUST OULET (CUMMINS TIER III MID HP)	1	
A	30630	BOLT – HH M12 X 1.75 X 30 LG ZP		
B	18599	WASHER – SAE FLAT 17/32 ID X 1 1/16 IN OD ZP		
C	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
D	30627	BOLT – HH M10 X 1.5 x 2.5 LG ZP		
E	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
F	30632	WASHER – LOCK, M10		
G	30635	WASHER – FLAT, M10 ZP		
H	21452	NUT – FLG SER FACE 3/8-16 UNC GR5 AA1J		

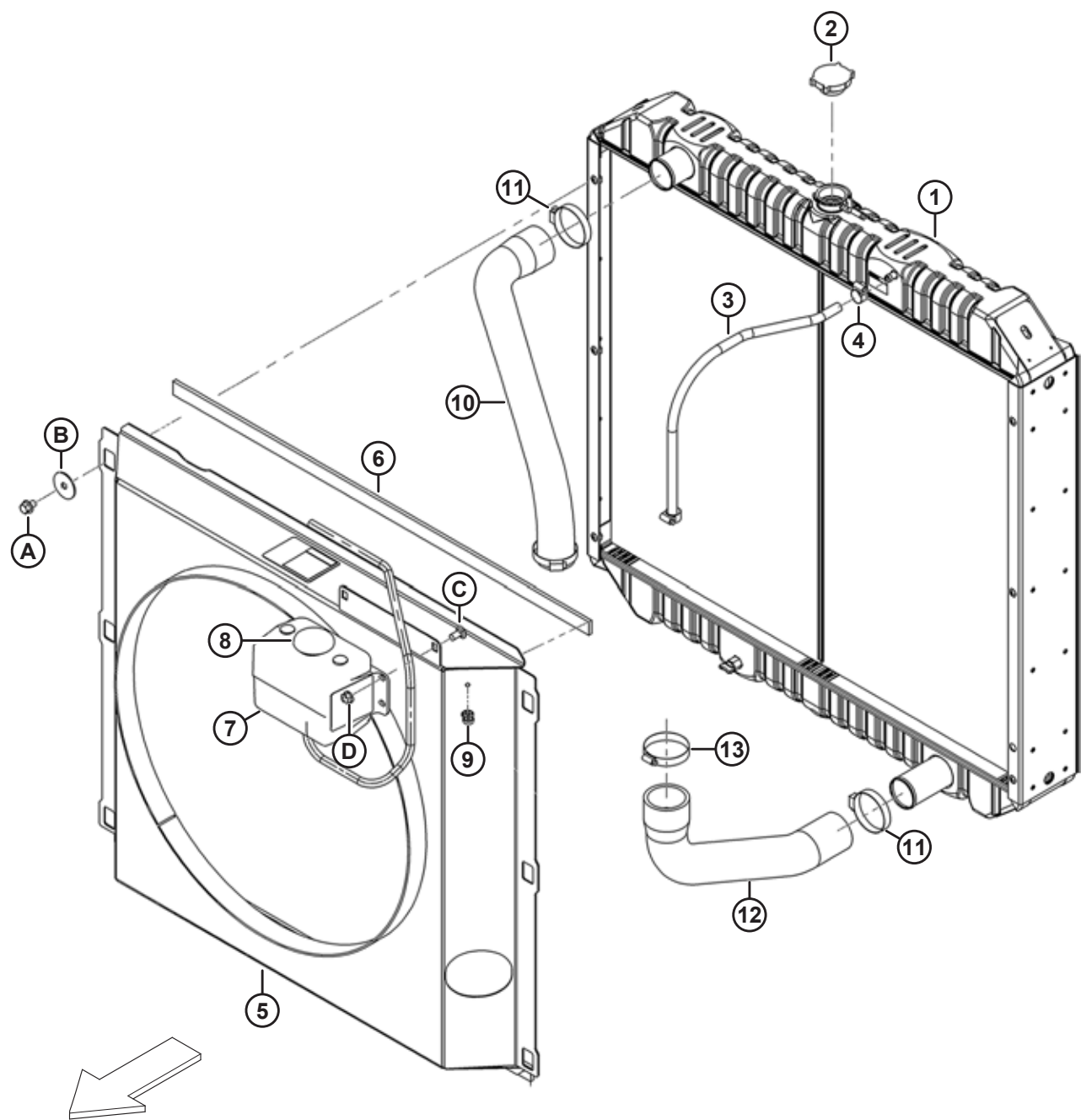
23 Engine Exhaust (M200)



ENGINE EXHAUST (M200)

Ref	Part Number	Description	Qty	Serial Number
1	111661	MUFFLER	1	
2	111832	ELBOW – TURBO	1	
3	163392	BRACE – MUFFLER	1	
4	162015	ELBOW – EXHAUST	1	
5	162016	ELBOW – EXHAUST OUTLET	1	
6	111720	SHIELD – LH EXHAUST	1	
7	135513	CLAMP – MUFFLER (3.5 IN U-BOLT)	3	
8	111829	BRACKET – EXHAUST	1	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
C	20077	BOLT – HH 3/8 NC X 1.0 LG GR 5 ZP		
D	18637	WASHER – REG LOCK 3/8 IN NOM ID ZP		
E	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		

24 Radiator (M150)



RADIATOR (M150)

NOTE:

For units that have **NOT** been serviced with M150 Radiator kit MD #162459, refer to this section for service parts.

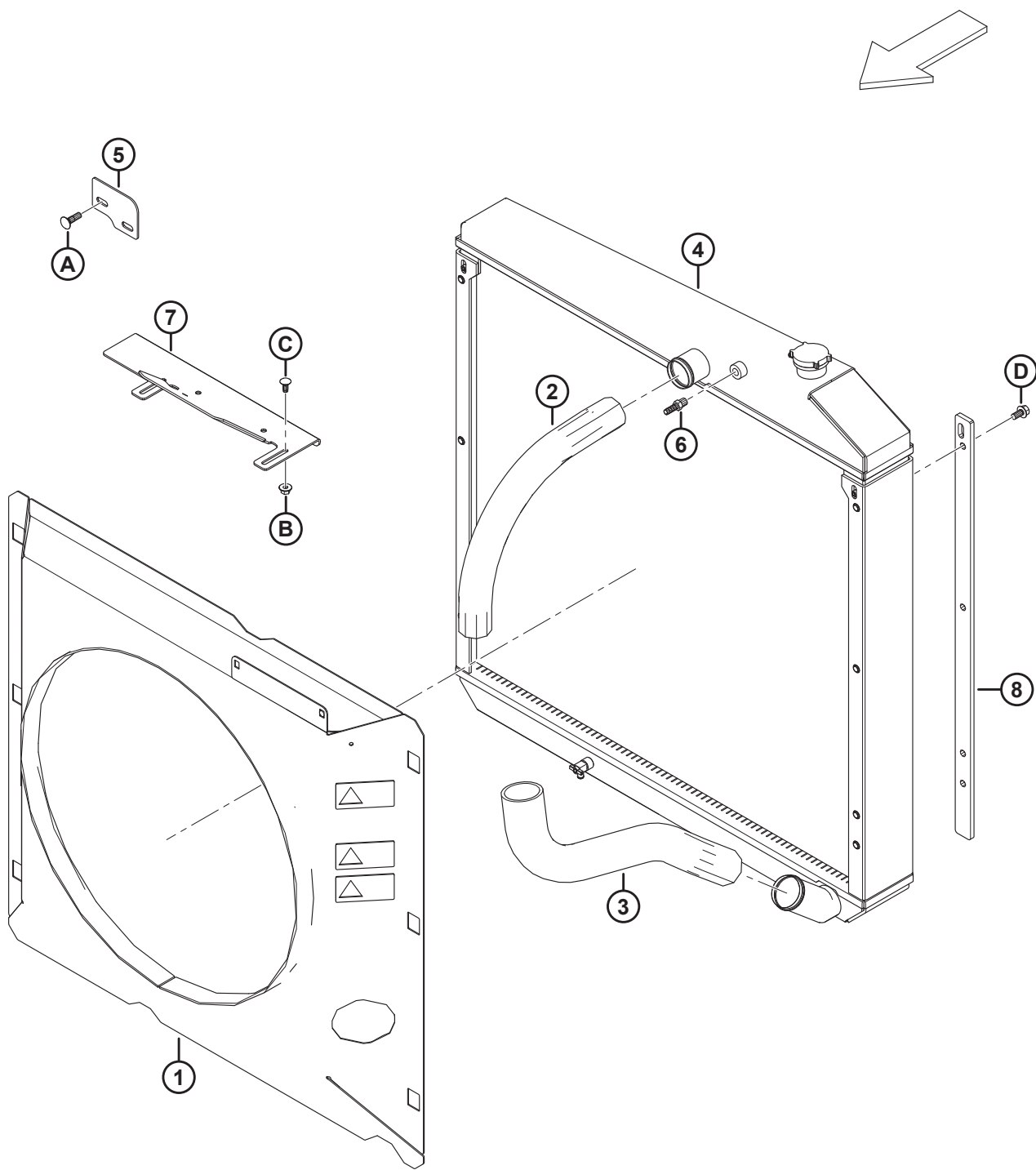
Ref	Part Number	Description	Qty	Serial Number
1	162459	KIT – M150 RADIATOR ⁴⁰	1	
2	109934	CAP – RADIATOR	1	
3	110812	HOSE – FILL VENT	1	
4	30094	HOSE CLAMP – FILL VENT HOSE	2	
5	163389	SHROUD ⁴¹	1	
6	110395	SEAL – SHROUD	2	
7	163377	TANK – RADIATOR ⁴²	1	
8	138573	CAP – TANK, VENTED	1	
9	50109	CLIP – PLASTIC	1	
10	110670	HOSE – UPPER RAD	1	
11	17959	CLAMP – HOSE	2	
12	110671	HOSE – LOWER RAD	1	
13	21995	CLAMP – HOSE GEAR TYPE	1	
A	30693	BOLT – FLG (SER FACE) .375-16 UNC X 0.50 LG		
B	31465	WASHER – FLAT		
C	21863	BOLT – RHSSN 3/8 NC X 0.75 GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		

40. M150 radiators have been superseded with radiator kit MD #162459. For radiator kit service parts, refer to Section [25 Radiator Kit \(M150\), page 63](#).

41. Shroud includes decal and seal (MD #110395).

42. Tank includes decal and cap (MD #138573).

25 Radiator Kit (M150)

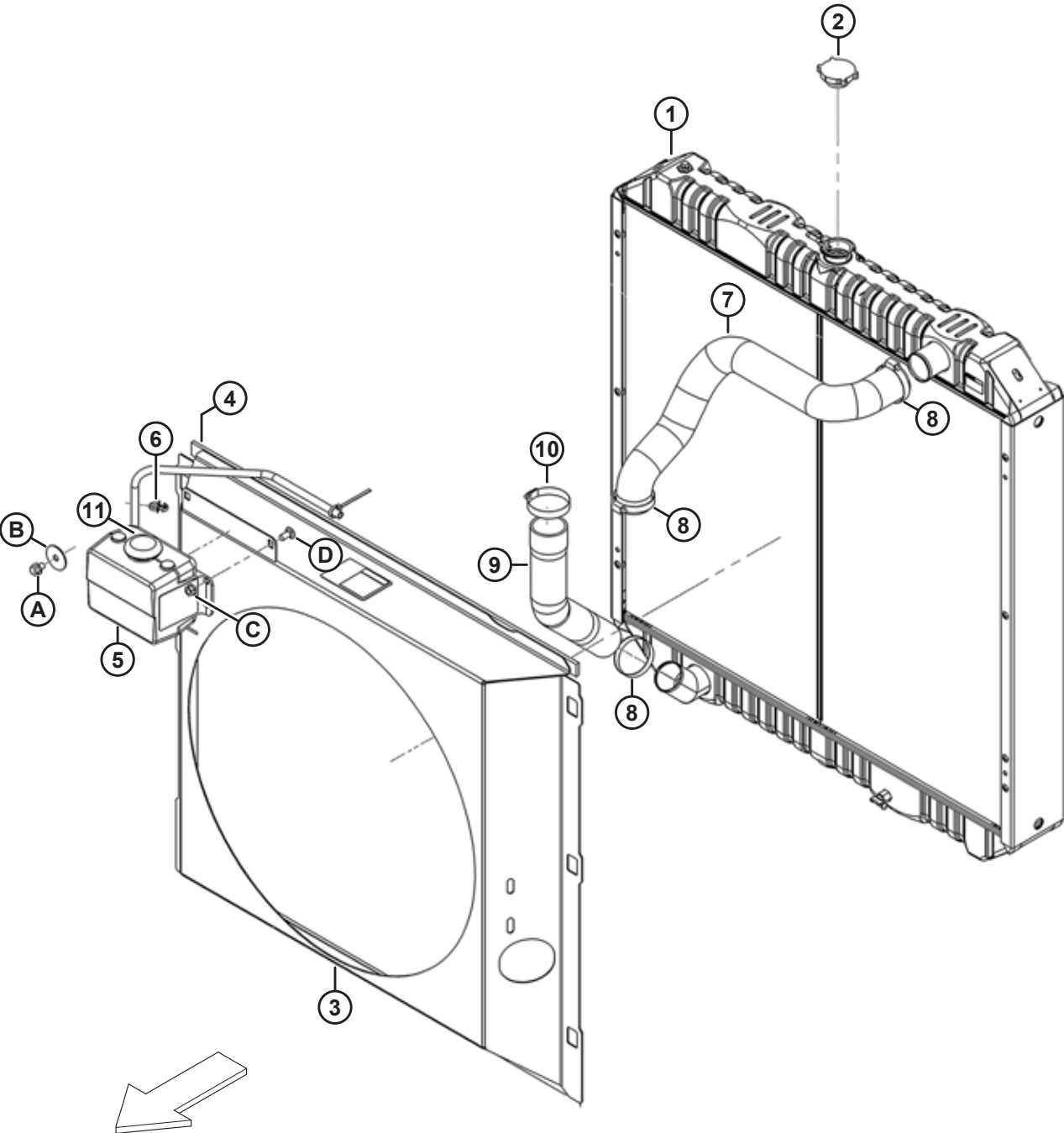


RADIATOR KIT (M150)

Ref	Part Number	Description	Qty	Serial Number
	162459	KIT – M150 RADIATOR ⁴³		
1	162456	SHROUD C/W DECAL AND SEAL	1	
2	138576	HOSE – RADIATOR TOP	1	
3	162455	HOSE – LOWER RAD	1	
4	138968	RADIATOR – 4 CYL	1	
5	162470	PLATE – LATCH MOUNT	4	
6	21046	FITTING – BARBED 1/4 NPT X 3/8 ID HOSE	1	
7	310793	BRACKET – CLAMP, HOSE	1	
8	310790	SPACER – RAD	2	
A	19966	BOLT – RHSN 3/8-16 X 1.25-GR5-AA1J		
B	105010	NUT – FLG DT SMFC 5/16-18 UNC GR5 AA1J		
C	21281	BOLT – RHSN 5/16-18 X .75-GR5-AA1J		
D	21821	BOLT – HEX FLG SER HD 3/8-16 X 0.75 GR5-AA1J		

⁴³. Kit includes all listed parts, hardware, and instructions.

26 Radiator (M200)



RADIATOR (M200)

NOTE:

For units that have **NOT** been serviced with M200 Radiator kit MD #162464, refer to this section for service parts.

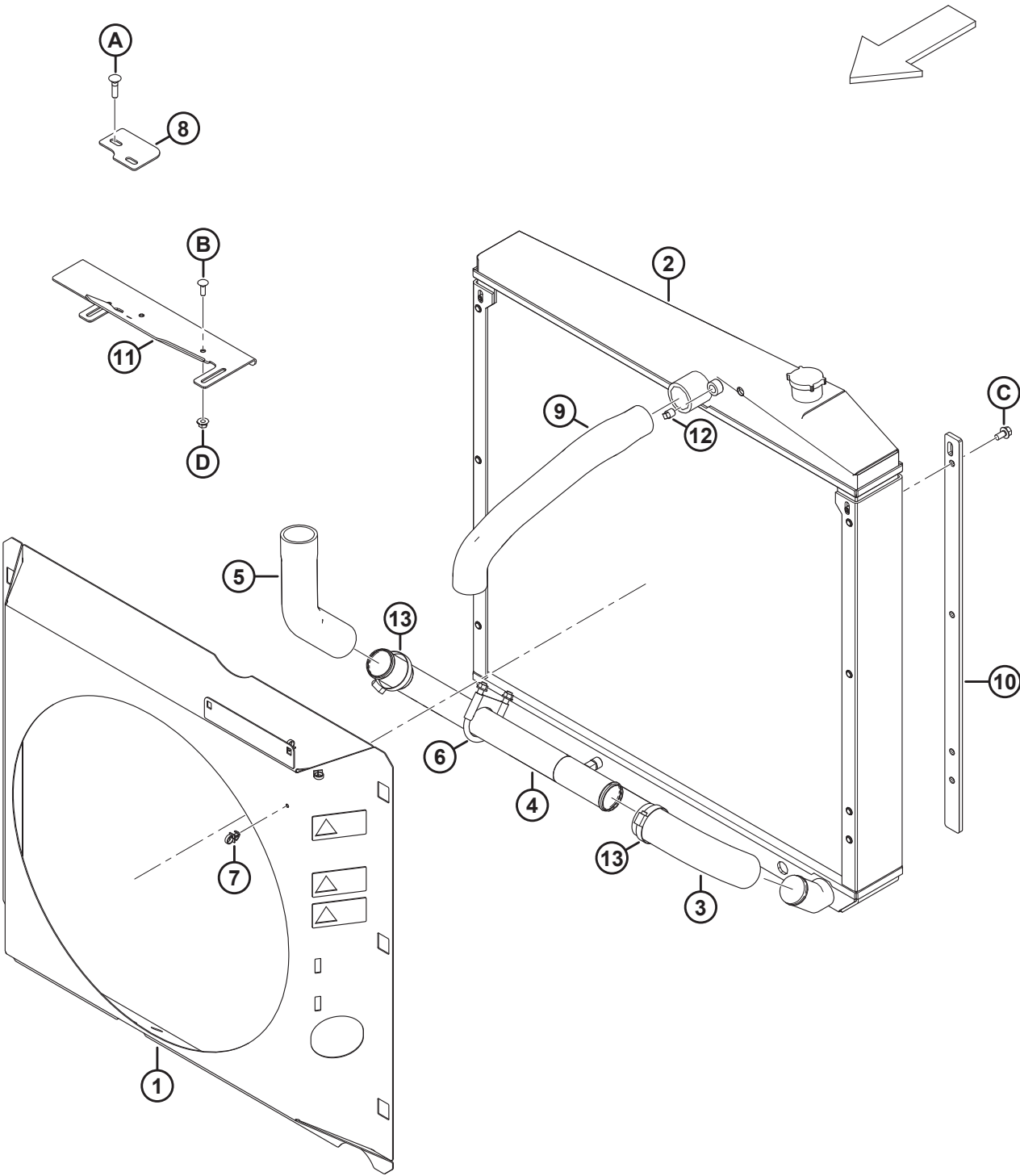
Ref	Part Number	Description	Qty	Serial Number
1	162464	KIT – M200 RADIATOR ⁴⁴	1	
2	109934	CAP – RADIATOR	1	
3	163390	SHROUD ⁴⁵	1	
4	110395	SEAL – SHROUD	2	
5	163377	TANK – RADIATOR ⁴⁶	1	
6	50109	CLIP – PLASTIC	1	
7	111797	HOSE – UPPER RAD, 6 CYL	1	
8	17959	CLAMP – HOSE	2	
9	111796	HOSE – LOWER RAD, 6 CYL	1	
10	21995	CLAMP – HOSE GEAR TYPE	1	
11	138573	CAP – TANK, VENTED	1	
A	30693	BOLT – FLG (SER FACE) .375-16 UNC X 0.50 LG		
B	31465	WASHER – FLAT		
C	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
D	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		

44. M200 radiators have been superseded with radiator kit MD #162464. For radiator kit service parts, refer to Section [27 Radiator Kit \(M200\), page 67](#).

45. Shroud includes decal and seal (MD #110395).

46. Tank includes decal and cap (MD #138573).

27 Radiator Kit (M200)

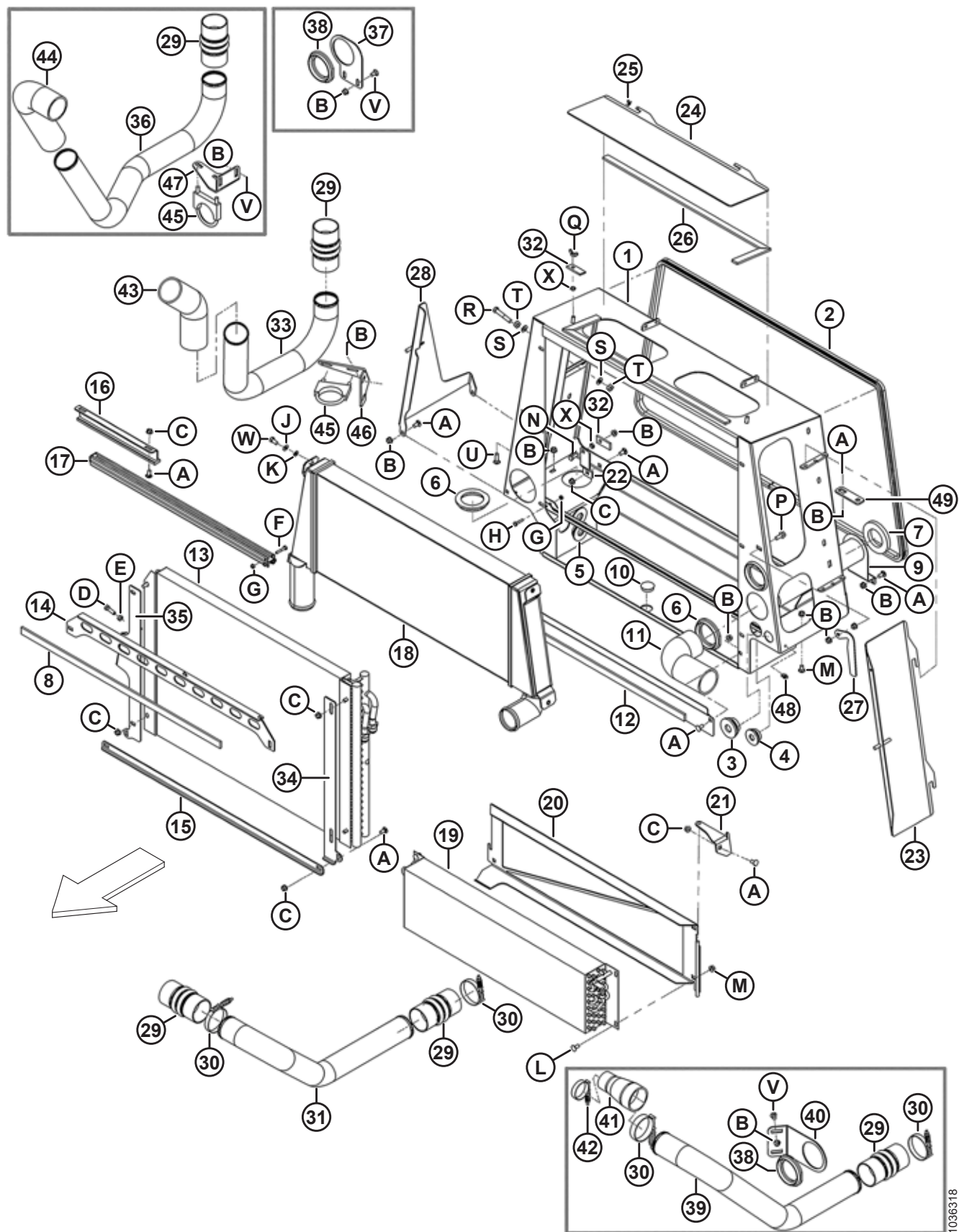


RADIATOR KIT (M200)

Ref	Part Number	Description	Qty	Serial Number
	162464	KIT – M200 RADIATOR ⁴⁷		
1	162460	SHROUD C/W DECALS	1	
2	138553	RADIATOR – 6 CYL	1	
3	162472	HOSE – SUCTION	1	
4	162471	TUBE – RAD, BOTTOM	1	
5	162466	HOSE – LOWER RAD	1	
6	136109	CLAMP – U-BOLT	1	
7	50109	CLIP – PLASTIC	3	
8	162470	PLATE – LATCH MOUNT	4	
9	310635	HOSE – RAD, TOP, M200/M205 RAD	1	
10	310790	SPACER – RAD	2	
11	310793	BRACKET – CLAMP, HOSE	1	
12	183903	FITTING – PLUG HYD SQ HD NPTF	1	
13	17959	CLAMP – HOSE	2	
A	21484	BOLT – RHSN 3/8-16 X1.5-GR5 AA1J		
B	21282	BOLT – RHSN 5/16-18 X 1-GR5-AA1J		
C	21821	BOLT – HEX FLG SER HD 3/8-16 X 0.75 GR 5-AA1J		
D	105010	NUT – FLG DT SMFC 5/16-18 UNC GR5 AA1J		

⁴⁷. Kit includes all listed parts, hardware, and instructions.

28 Cooler Box

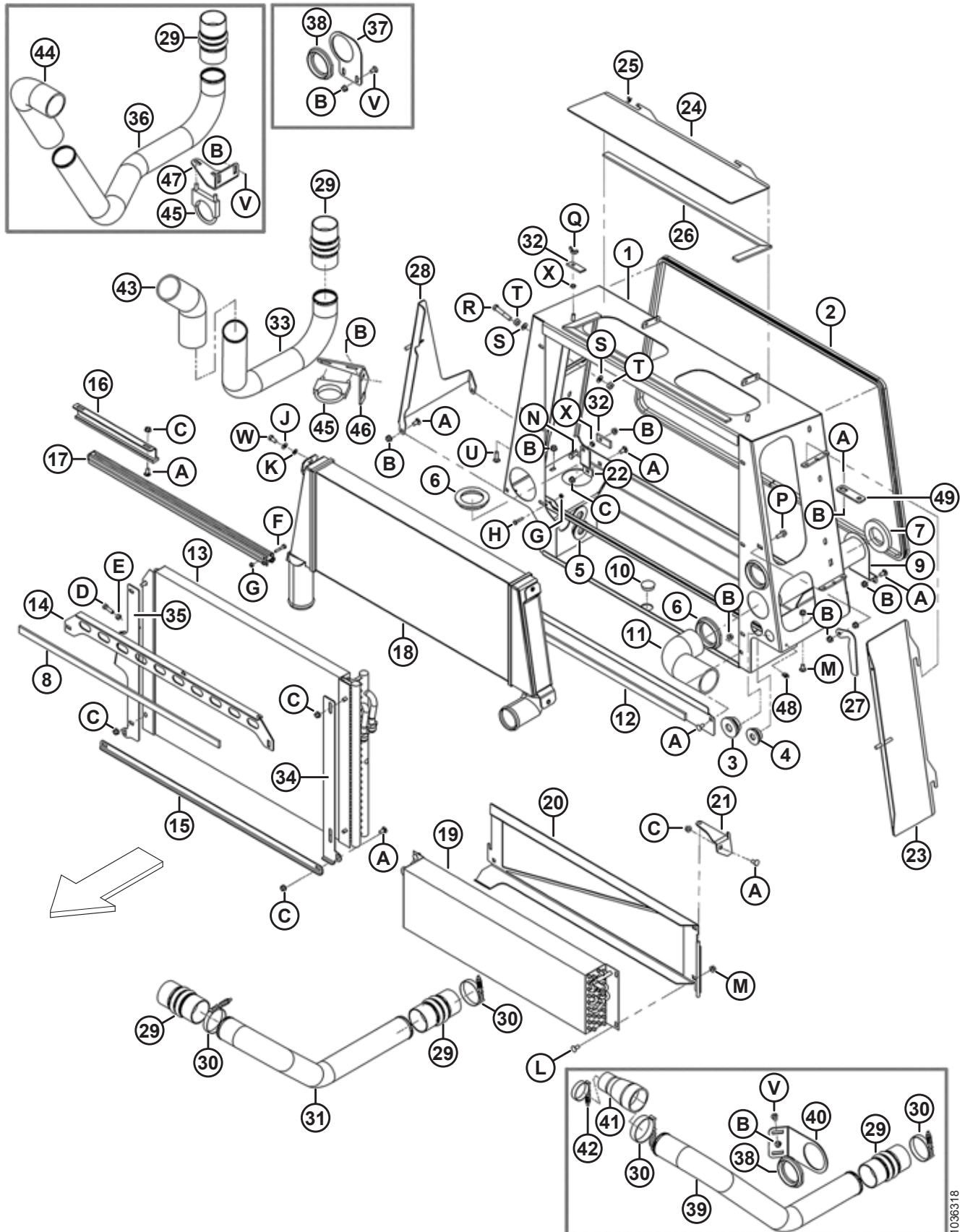


1036318

COOLER BOX

Ref	Part Number	Description	Qty M150/ M200	Serial Number
1	110900	SUPPORT – COOLERS AND RAD	1	
2	110388	SEAL – SCREEN	1	
3	45155	GROMMET	1	
4	45298	GROMMET (M150 ONLY)	1	
	163549	GROMMET (M200 ONLY)	1	
5	110967	GROMMET	2	
6	110677	GROMMET	3	
7	110702	SEAL	1	
8	110395	SEAL – (M150 ONLY)	2	
	163856	SEAL – (M200 ONLY)	2	
9	110897	TUBE – CLEANER, WELDT	1	
10	110783	PLUG – HOLE (Ø1.5 IN.)	1	
11	110969	HOSE – 90° AIR INTAKE	1	
12	110903	FILLER – RADIATOR FRAME (M150 ONLY)	1	
13	111649	COOLER – OIL (2 ROW) (M150 ONLY)	1	
	111650	COOLER – OIL (4 ROW) (M200 ONLY)	1	
14	110684	SUPPORT – COOLER, WELDT	1	
15	110904	SUPPORT – COOLER BOTTOM	1	
16	110687	SUPPORT – SLIDE, WELDT	1	
17	110680	SLIDE – WELDT	1	
18	162124	COOLER – CAC	1	
19	163566	CONDENSER – AC	1	
20	110766	SUPPORT – AC CONDENSER, WELDT	1	
21	110709	ANGLE – HINGE	1	
22	110710	PLATE – LATCH	1	
23	110898	DOOR – COOLER ACCESS, LH WELDT	1	
24	110718	DOOR – ACCESS	2	
25	18605	PIN – COTTER 1/8 DIA X 1 ZP	2	
26	110721	SEAL	6	
27	110701	LATCH	2	
28	110791	DOOR	1	

COOLER BOX

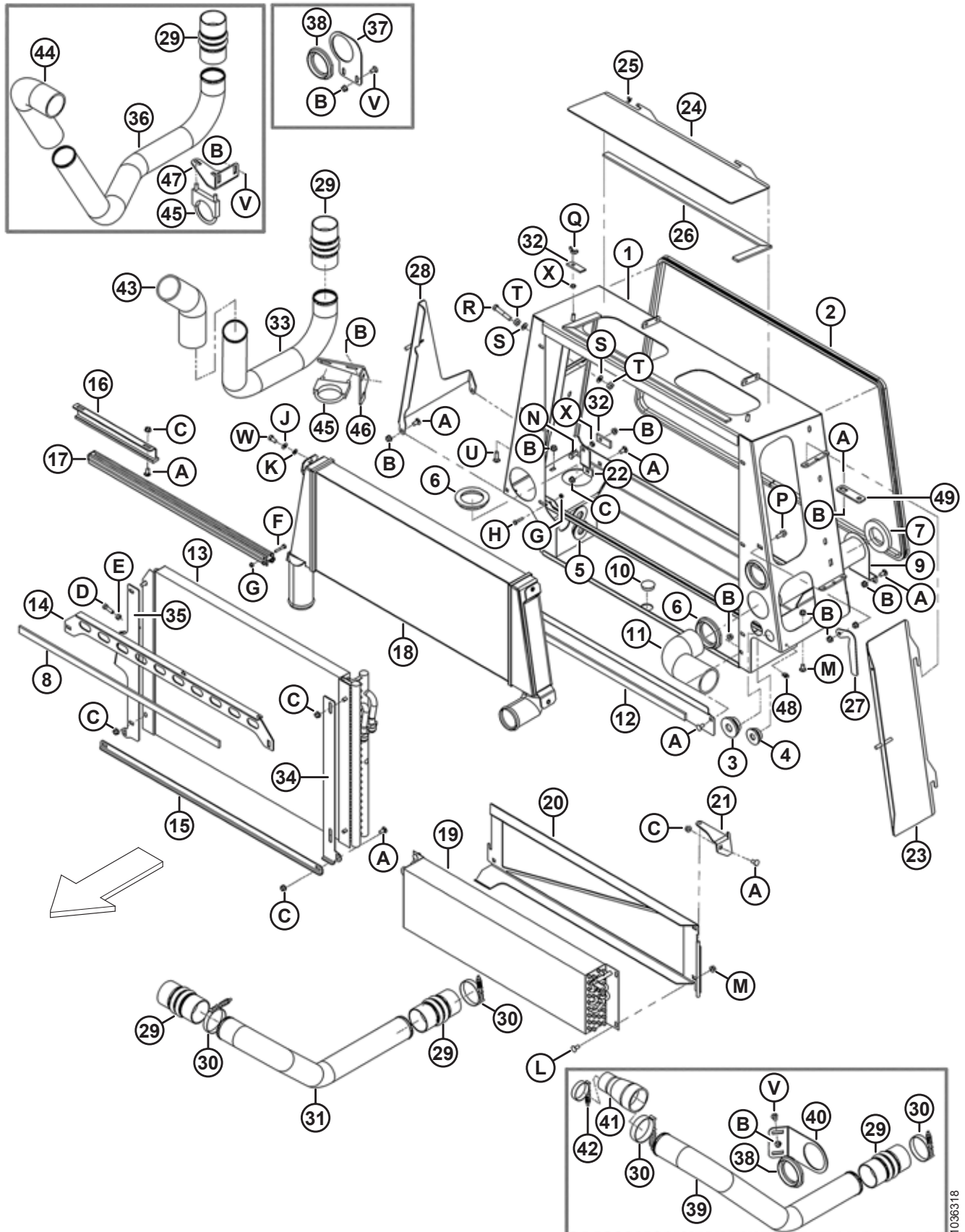


1036318

COOLER BOX

Ref	Part Number	Description	Qty M150/ M200	Serial Number
29	111642	CONNECTOR – CAC LINES	4/3	–179759
	163905	CONNECTOR – CAC LINES	3/2	179760–
30	111643	CLAMP – CONSTANT TORQUE	8	
31	111656	TUBE – CAC HOT SIDE (M150 ONLY)	1	–179759
	162178	TUBE – CAC HOT SIDE (M150 ONLY)	1	179760–
32	44217	LATCH	1	
33	111639	TUBE CAC COOL (M150 ONLY)	1	–179759
	162179	TUBE CAC COOL (M150 ONLY)	1	179760–
34	110681	SUPPORT – COOLER, LH	1	
35	110682	SUPPORT – COOLER, RH	1	
36	162009	TUBE – CAC (M200 ONLY)	1	–179759
	162183	TUBE – CAC (M200 ONLY)	1	179760–
37	163393	BRACKET – CAC TUBE (M200 ONLY)	1	–179759
38	110677	GROMMET (M200 ONLY)	2	–179759
39	162008	TUBE – CAC (M200 ONLY)	1	–179759
	162180	TUBE – CAC (M200 ONLY)	1	179760–
40	163582	SUPPORT – CAC HOT SIDE (M200 ONLY)	1	
41	162014	HOSE – CAC REDUCER (3-2 IN.) (M200 ONLY)	1	–179759
	167090	HOSE – CAC REDUCER (3-2 IN.) (M200 ONLY)	1	179760–
42	163554	CLAMP – CONSTANT TORQUE (M200 ONLY)	1	
43	163907	ELBOW – CAC (45° X 3 IN.) (M150)	1	179760–
44	163909	ELBOW – CAC (90° X 3 IN.) (M200)	1	179760–
45	42469	CLAMP – PIPE	1	
46	167091	SUPPORT – CAC, COOL (M150)	1	
47	167089	SUPPORT – CAC, TUBE (M200)	1	179760–
48	30542	CLIP – NYLON	2	
49	166131	LUG – HINGE ADJUST	1	
A	21863	BOLT – RHSSN 3/8 NC X 0.75 GR 5 ZP		
B	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
C	21452	NUT – FLG (SER FACE) .375-16 UNC		

COOLER BOX

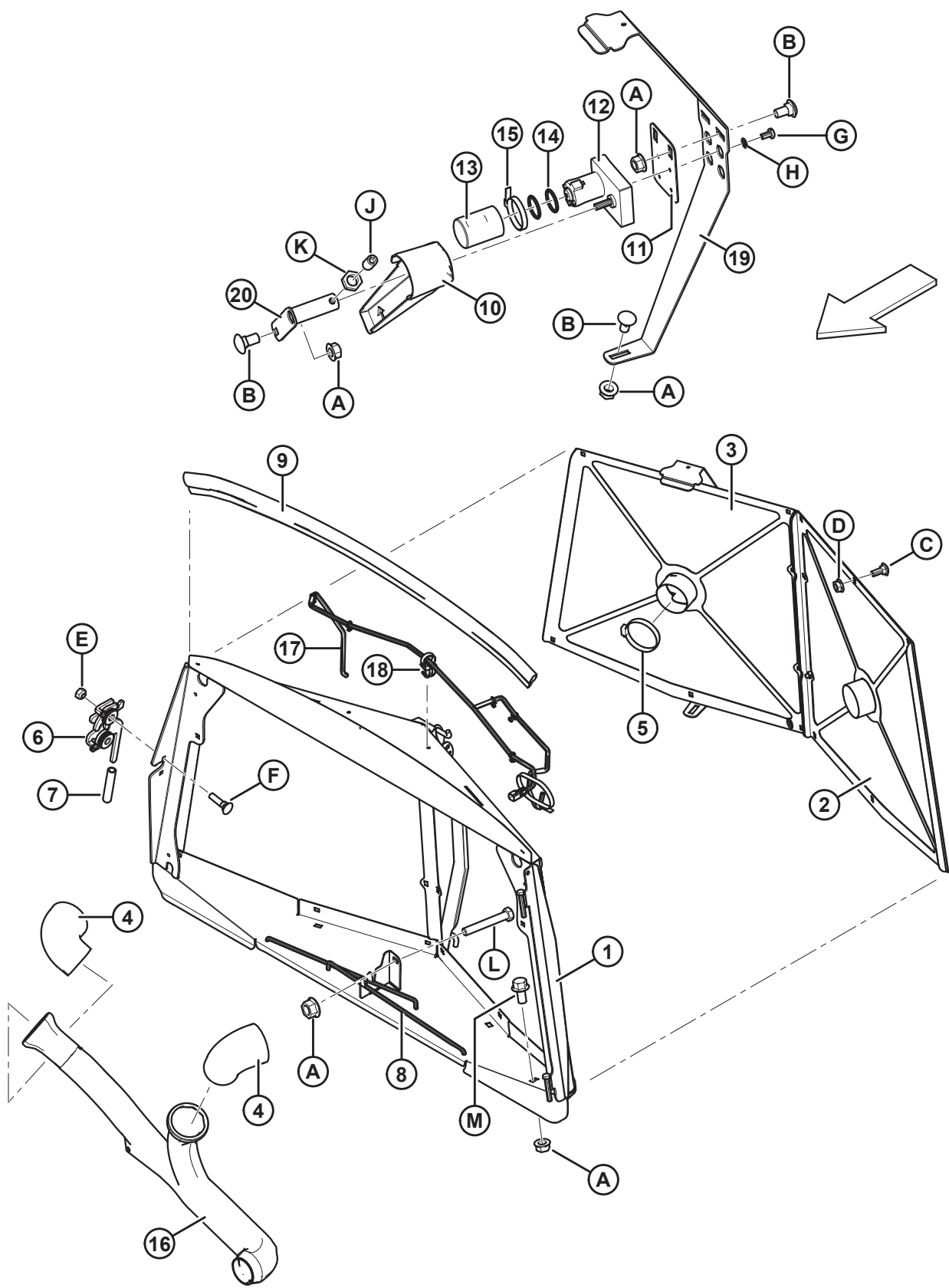


1036318

COOLER BOX

Ref	Part Number	Description	Qty M150/ M200	Serial Number
D	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
E	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
F	21952	BOLT – HH 1/4 NC X 1.75 LG GR 5 ZP		
G	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
H	30942	BOLT – HH 1/4 NC X 1.25 LG GR 5 ZP		
J	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
K	18637	WASHER – REG LOCK 3/8 IN NOM ID ZP		
L	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
M	21452	NUT – FLG (SER FACE) .375-16 UNC		
N	20077	BOLT – HH 3/8 NC X 1.0 LG GR 5 ZP		
P	21975	BOLT – HH FLG (SER FACE) 3/8 NC X 1.0 GR 5 ZP		
Q	21289	NUT – WING TYPE A 3/8 NC ZP		
R	21988	BOLT – HH 7/16 NC X 2.5 LG GR 5 ZP		
S	18688	WASHER – SAE FLAT 0.47 IN ID X 0.92 IN OD ZP		
T	18654	NUT – HEX 7/16-14 UNC GR 5 ZP		
U	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
V	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
W	21567	BOLT – HH 3/8 NC X 3/4 GR 5 ZP		
X	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		

29 Screen Cleaner

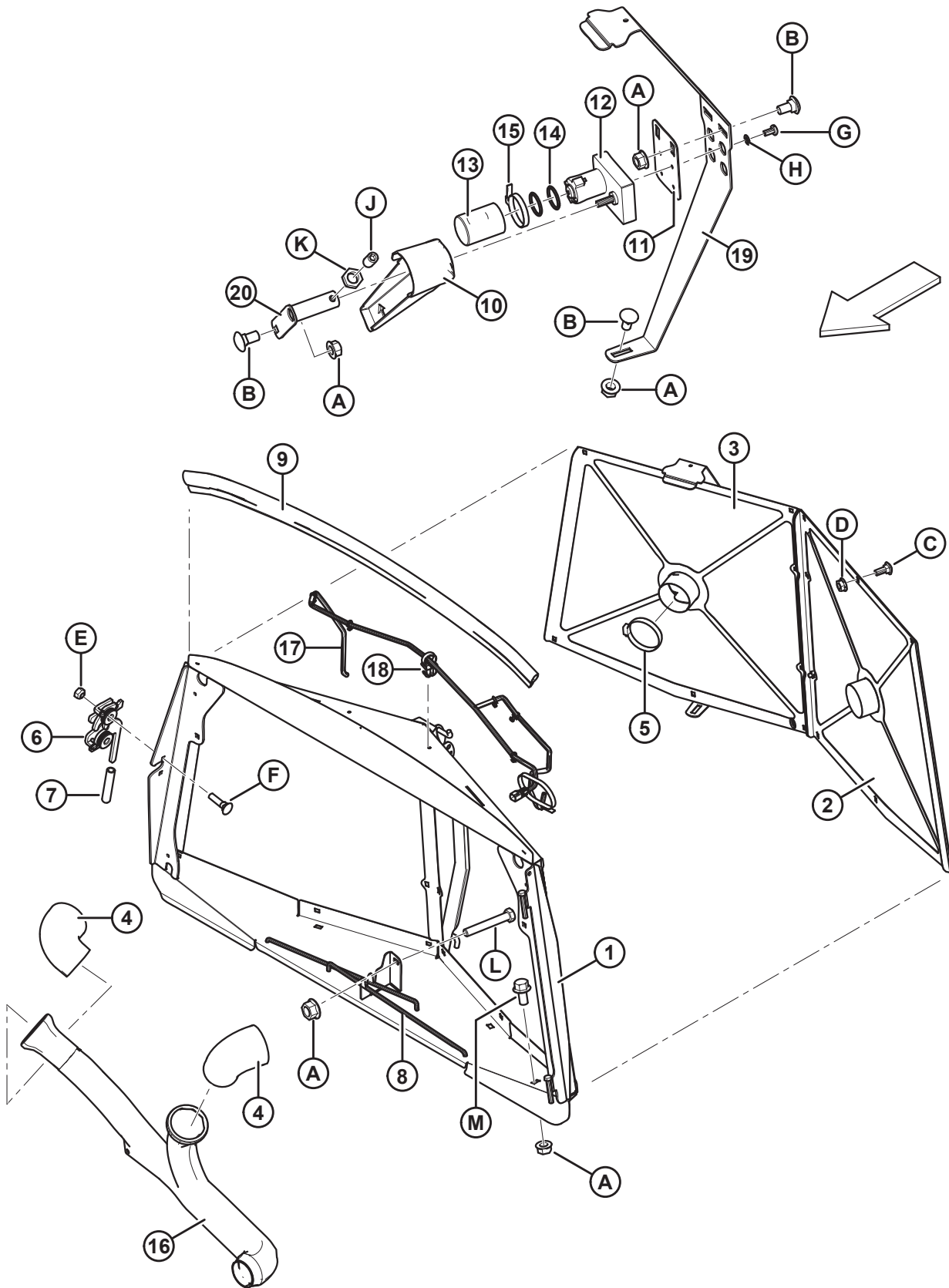


1004844

SCREEN CLEANER

Ref	Part Number	Description	Qty	Serial Number
1	110866	SUPPORT – SCREEN, WELD'T	1	
2	110937	SCREEN, LH	1	
3	110938	SCREEN, RH	1	
4	110928	HOSE – 90 DEGREE 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	2	
9	110875	SEAL – TOP RAD/HOOD	1	
10	110882	DUCT – SCREEN CLEANER	2	
11	110877	SUPPORT – MOTOR	2	
12	42369	MOTOR – ELEC	2	
13	112149	CAP	2	
14	163698	O-RING, VITON	4	
15	30753	CABLE TIE	2	
16	110883	DUCT – CLEANER, DUAL	1	
17	110908	HARNESS – SCREEN CLEANERS	1	
18	30542	FASTENER – BLACK NYLON CLIP	7	
19	110968	STRAP – MOTOR SUPPORT	2	
20	110885	SHAFT – DUCT DRIVE, WELD'T	2	
A	30228	NUT – FLANGE DT SMOOTH 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 Z		
F	21282	BOLT – RHSN 5/16 NC X 1.0 LG GR 5 ZP		
G	30955	SCREW – MACH RD HD SLOTTED # 8-32 NC X 5/16 LG BLK		
H	20042	WASHER – REG. LOCK #8 NOM. ID ZP		
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		

SCREEN CLEANER

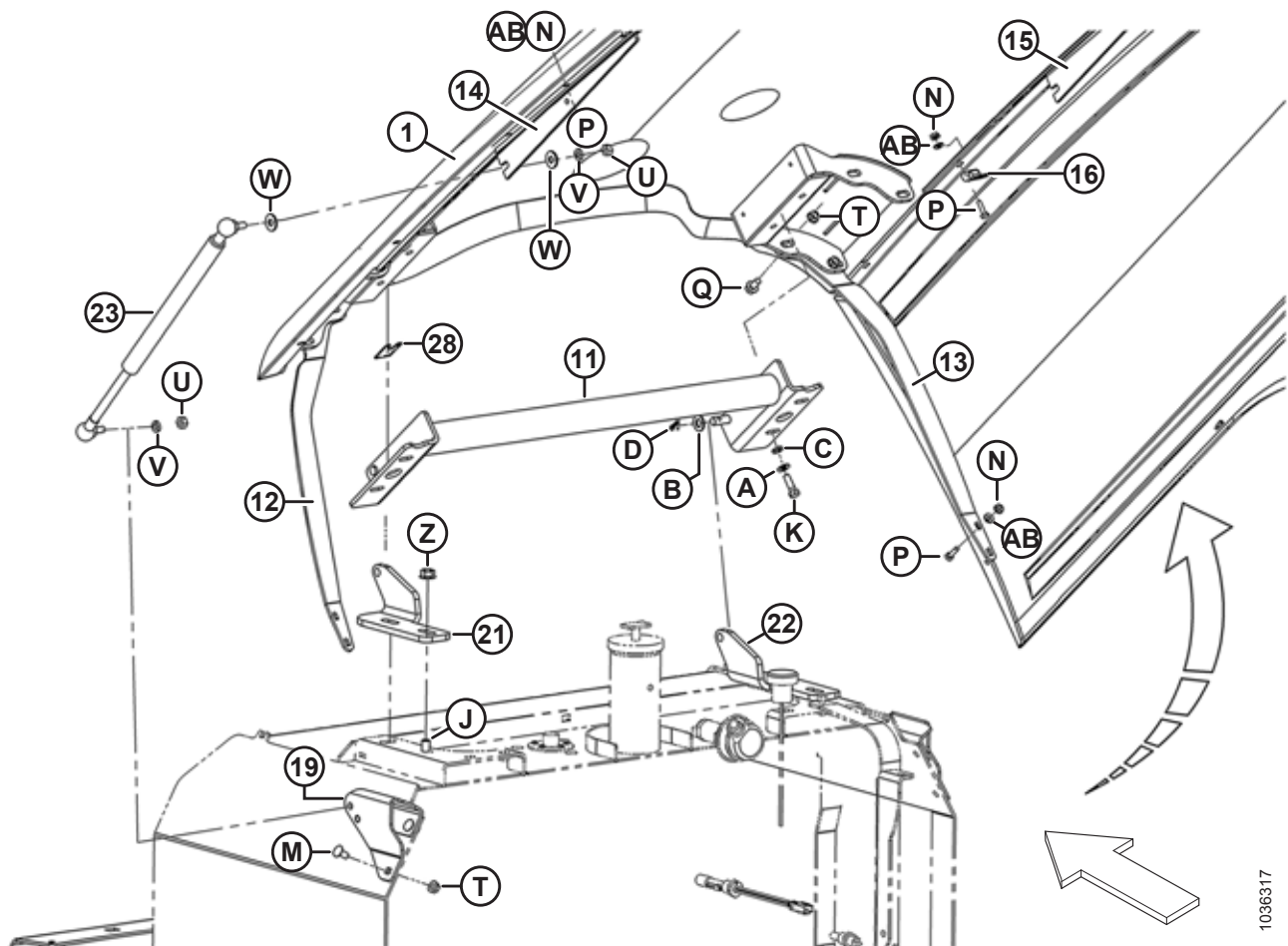
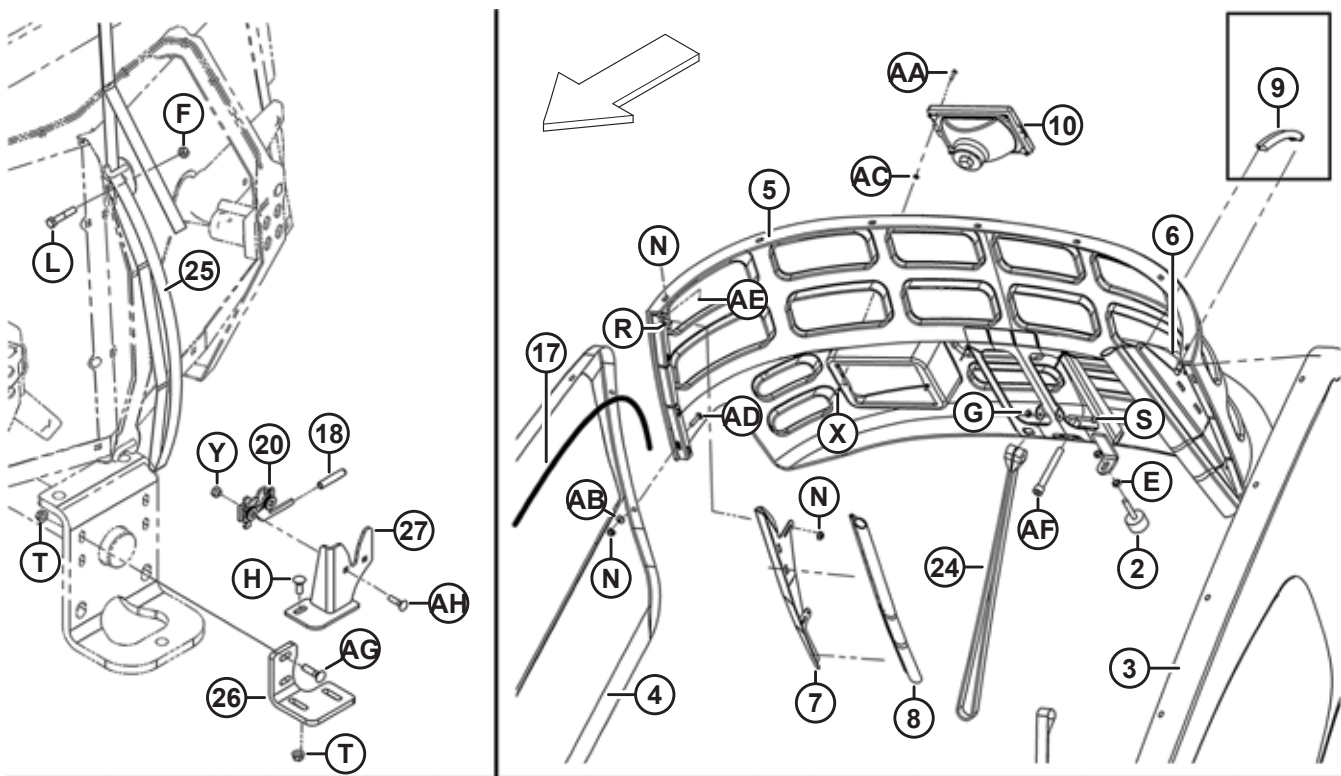


1004844

SCREEN CLEANER

Ref	Part Number	Description	Qty	Serial Number
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		

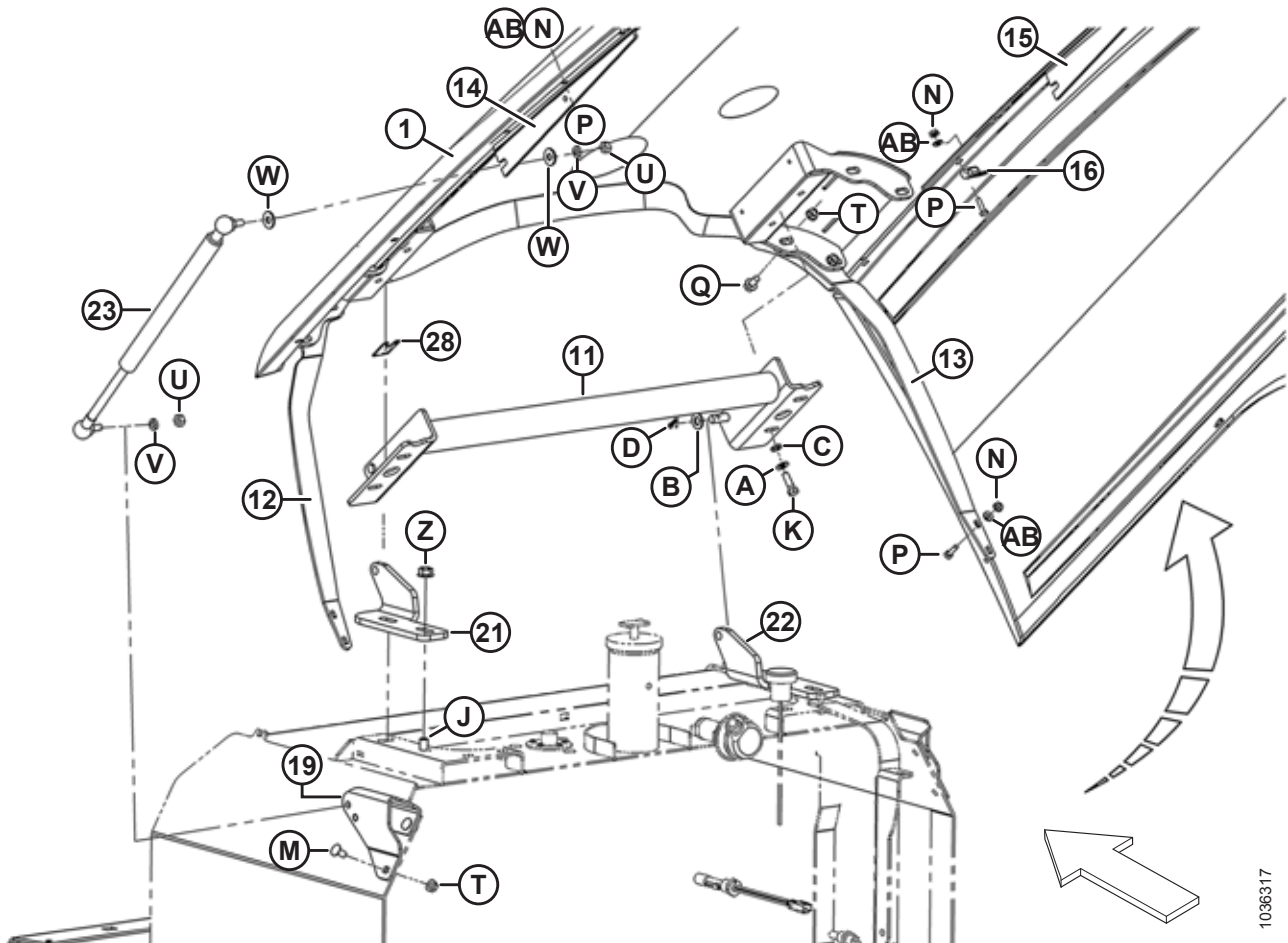
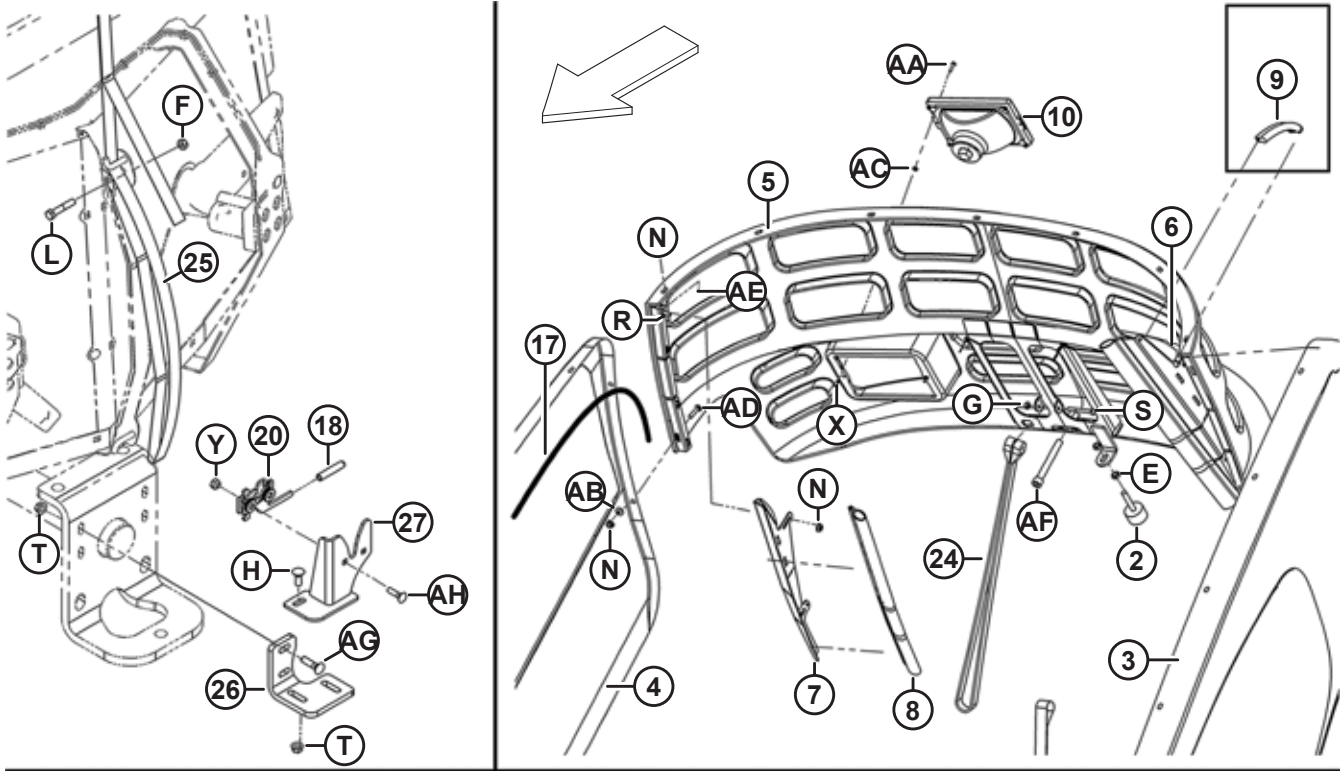
30 Hood



HOOD

Ref	Part Number	Description	Qty	Serial Number
1	110448	HOOD – TOP BONDING ASSY	1	
2	110354	BUMPER – RUBBER	1	
3	110271	PANEL – LH HOOD (M150)	1	
	163406	PANEL – LH HOOD, BONDED WITH SCREEN (M200)	1	
4	110272	PANEL – RH HOOD (M150)	1	
	163407	PANEL – RH HOOD, BONDED WITH SCREEN (M200)	1	
5	110458	HOOD – GRILL BONDING ASSY	1	
6	110471	ANGLE – LH RAD/HOOD SEAL	1	
7	110472	ANGLE – RH RAD/HOOD SEAL	1	
8	110525	SEAL – SIDE ANGLES (MAIN)	2	–179759
	167078	SEAL – SIDE ANGLES (MAIN)	2	175760–
9	110519	SEAL – SIDE ANGLES (TOP)	2	–179759
10	110268	ASSY – ABL ROADLIGHT	2	
11	110773	MEMBER – TORSION (HOOD PIVOT)	1	
12	110421	BRACE – LH HOOD	1	
13	110422	BRACE – RH HOOD	1	
14	110416	SUPPORT – LH GAS SPRING	1	
15	110417	SUPPORT – RH GAS SPRING	1	
16	135224	CLIP – WIRE HOLDER	3	
17	166292	HARNESS – HOOD	1	
18	110817	COVER – SOFTEX GRIP (0.281 X 2.125 IN.)	1	
19	166356	ANCHOR – LH HOOD LIFT CYLINDER	1	
	166357	ANCHOR – RH HOOD LIFT CYLINDER	1	
20	134002	ASSY – LH STIRRUP LATCH	1	
21	110456	ANGLE – LH HOOD PIVOT	1	
22	110457	ANGLE – RH HOOD PIVOT	1	
23	110475	CYLINDER – GAS (HOOD)	2	
24	158102	STRAP – RUBBER	1	
25	110461	STRAP – HOOD PULL	1	
26	110467	PLATE – LATCH MOUNT	1	
27	110646	HOLDER – LATCH WELDT	1	
28	166132	SHIM – HOOD TO TORSION BAR	2	

HOOD

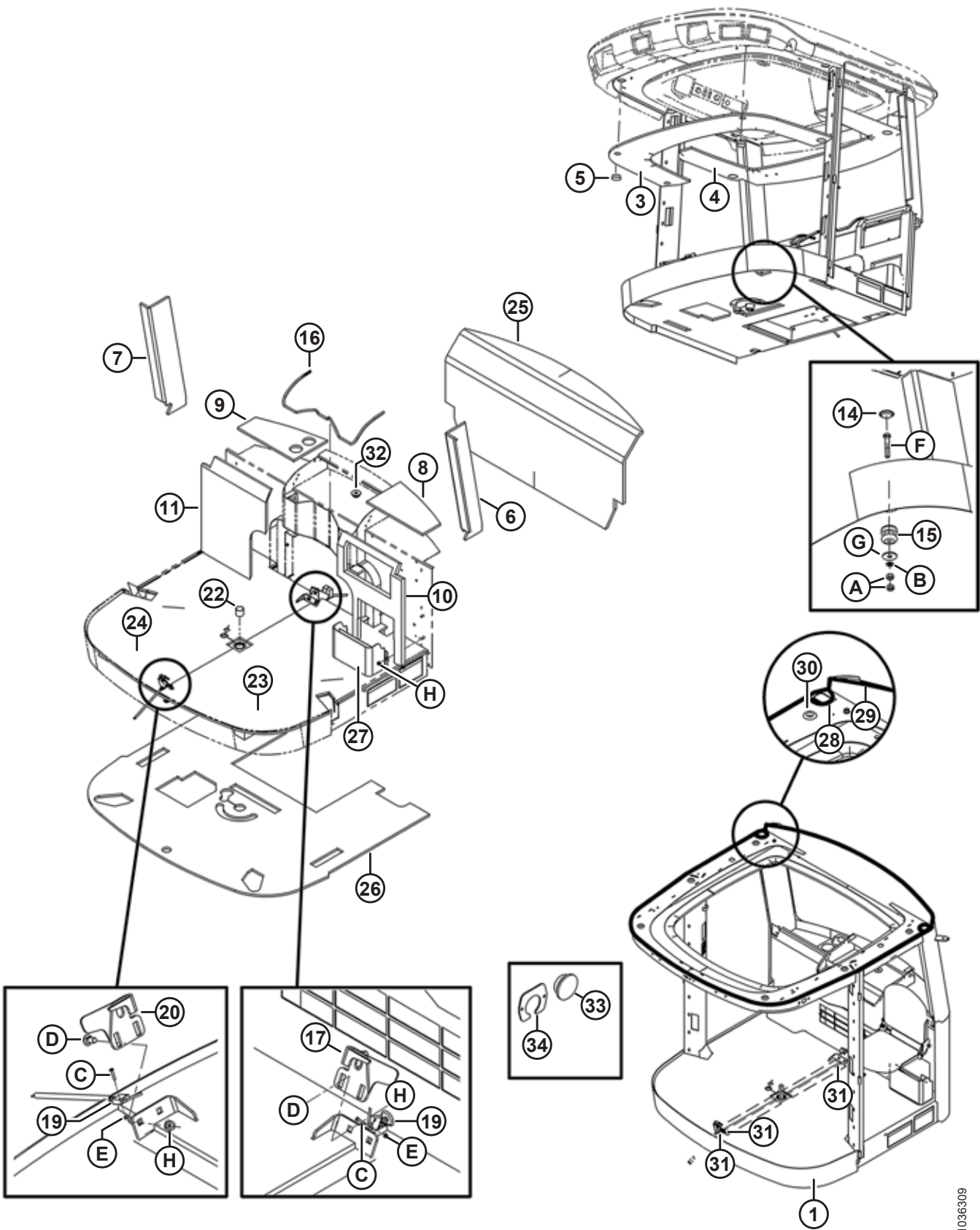


1036317

HOOD

A	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
B	18599	WASHER – SAE FLAT 17/32 ID X 1 1/16 IN OD ZP		
C	18637	WASHER – REG. LOCK 3/8 IN. NOM. ID ZP		
D	18648	PIN – COTTER 3/16 DIA X 1.25 ZP		
E	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
F	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
G	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
H	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
J	21066	BOLT – RHSN 1/2 NC X 1 GR 5 ZP		
K	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
L	21354	BOLT – HH 3/8 NC X 2.0 LG GR 5 ZP		
M	21863	BOLT – RHSSN 3/8 NC X 0.75 LG GR 5 ZP		
N	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
P	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
Q	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
R	21476	BOLT – RHSN 1/4 NC X 0.75 GR 5 ZP		
S	30638	BOLT – HH 1/4 NC X 2.25 LG GR 5 ZP		
T	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
U	30505	NUT – HEX M10 X 1.5 ZP CLASS 10 STYLE 1		
V	30632	WASHER – LOCK SPRING M10 ZP		
W	30635	WASHER – FLAT M10 ZP		
X	135159	NUT – NYLOC #6-32		
Y	35689	NUT – SPECIAL		
Z	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR5		
AA	110477	SCREW – #6 X 0.75 IN.		
AB	112221	WASHER – STEEL/RUBBER		
AC	135624	WASHER – STEEL/RUBBER		
AD	135623	BOLT – RHSN 1/4 NC X 1.25 GR 5 ZP		
AE	30942	BOLT – HH 1/4 NC X 1.25		
AF	135410	BOLT – HEX HD M12-1.75 X 80 ZN PL		
AG	21484	BOLT – RHSN 3/8 NC X 1.5 LG GR 5 ZP		
AH	21473	BOLT – RHSN 5/16 NC X 1.25 LG GR 5 ZP		

31 Cab – Seals, Grommets, Mounts, and Upholstery



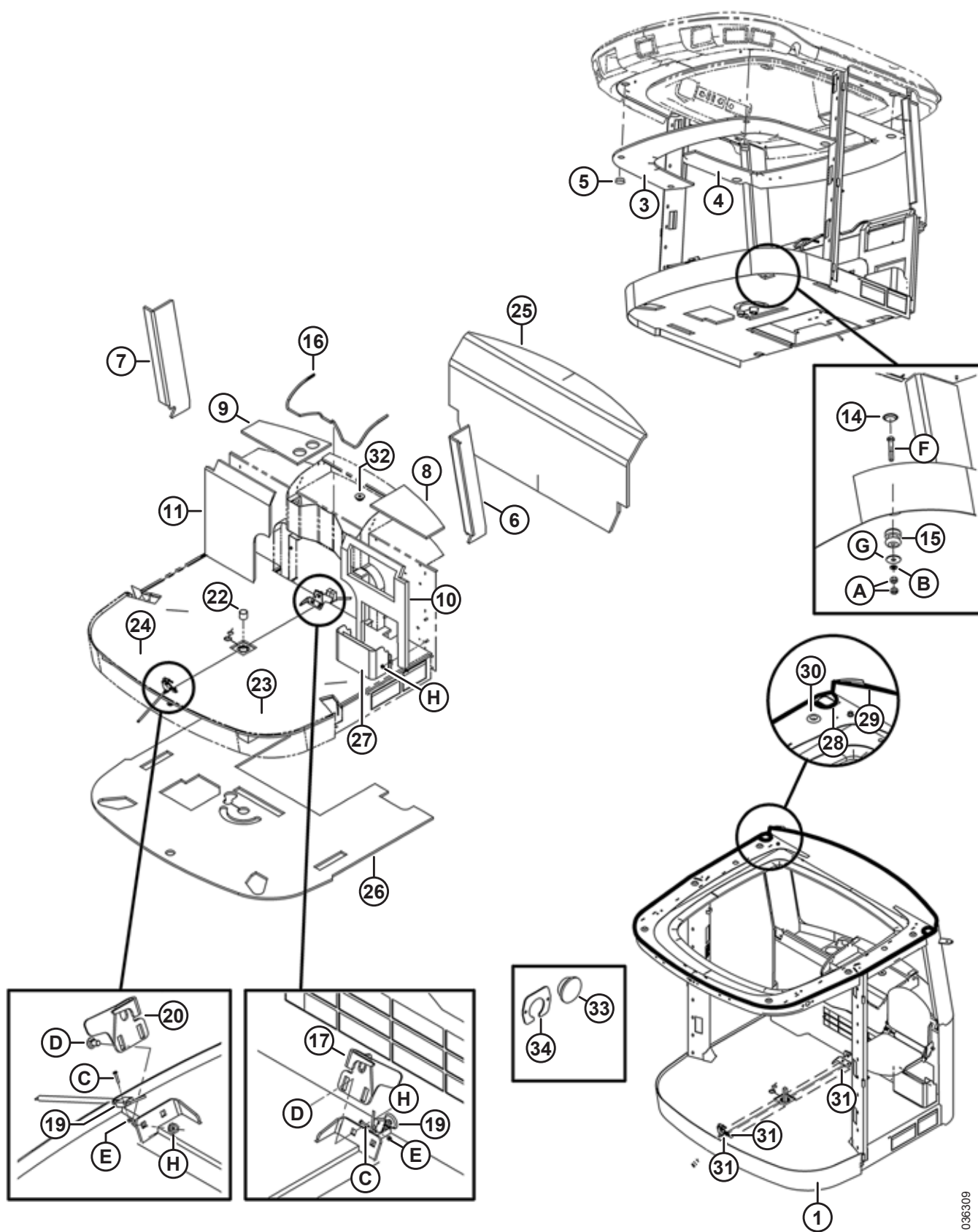
CAB – SEALS, GROMMETS, MOUNTS, AND UPHOLSTERY

Ref	Part Number	Description	Qty	Serial Number
1	109231	CAB – ASSEMBLY ⁴⁸	1	
3	109729	INSULATOR – FRONT	1	
4	109730	INSULATOR – REAR	1	
5	109761	PLUG – DECORATIVE	6	
6	109620	INSULATOR – LEFT POST	1	
7	109621	INSULATOR – RIGHT POST	1	
8	109656	MAT – REAR DECK, LH	1	
9	109657	MAT – REAR DECK, RH	3	
10	109619	INSULATOR – LEFT LOWER	1	
11	109618	INSULATOR – RIGHT LOWER	1	
14	30931	PLUG – PLASTIC SNAP-IN	4	
15	42099	INSULATOR	4	
16	109785	MOULDING	1	
17	109735	LATCH – REAR	1	
19	109699	SWITCH – SNAP ACTION	2	
20	109734	LATCH – FRONT	1	
22	109350	BUSHING – SLEEVE, 1.5 IN	1	
23	109526	MAT – FLOOR, LH	1	
24	109527	MAT – FLOOR, RH	1	
25	138189	INSULATOR – OUTSIDE REAR CAB	1	
26	138211	INSULATOR – UNDER CAB FLOOR	1	
27	109837	PANEL – LEFT STORAGE WELD'T	1	
28	109789	SEAL – FOAM	2	
29	109790	SEAL – FOAM	1	
30	42046	GROMMET	6	
31	42415	GROMMET	3	
32	42080	GROMMET	1	
33	173139	GROMMET– PLUG ⁴⁹	OPT	
34	173140	PLATE – COVER ⁴⁹	OPT	

⁴⁸. Includes decals, does not include cab mounts.

⁴⁹. Cab post knock-out for auto-steer.

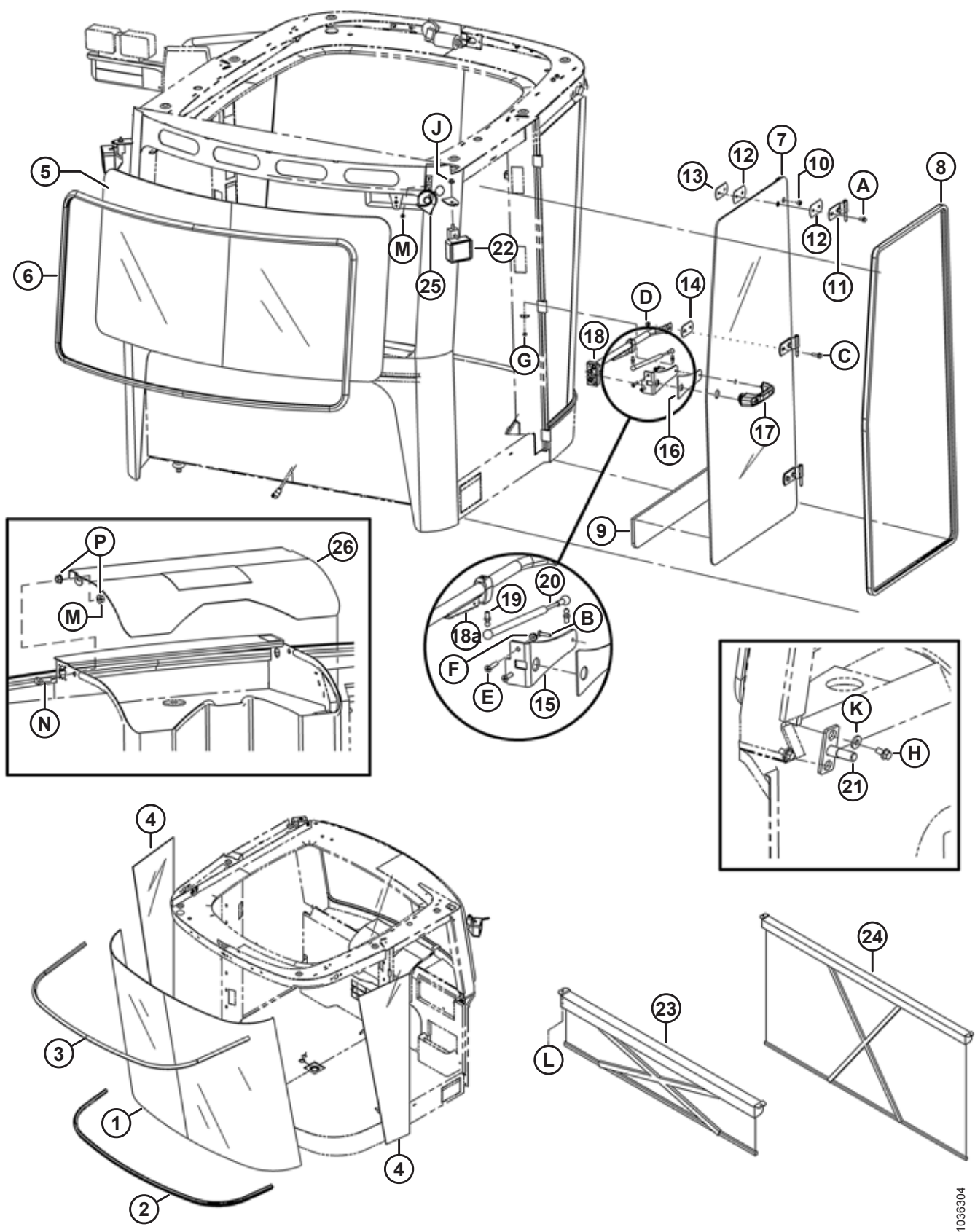
CAB – SEALS, GROMMETS, MOUNTS, AND UPHOLSTERY



CAB – SEALS, GROMMETS, MOUNTS, AND UPHOLSTERY

Ref	Part Number	Description	Qty	Serial Number
A	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
B	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID ZP		
C	135158	SCREW – PAN HEAD # 6-32 X 3/4 LG		
D	21472	BOLT – RHSN 3/8 NC X 0.75 GR 5 ZP		
E	135159	NUT – NYLOC		
F	21560	BOLT – HH 1/2 NC X 3.0 LG GR 5 ZP		
G	42592	WASHER – FLAT		
H	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		

32 Doors and Windows



1036304

DOORS AND WINDOWS

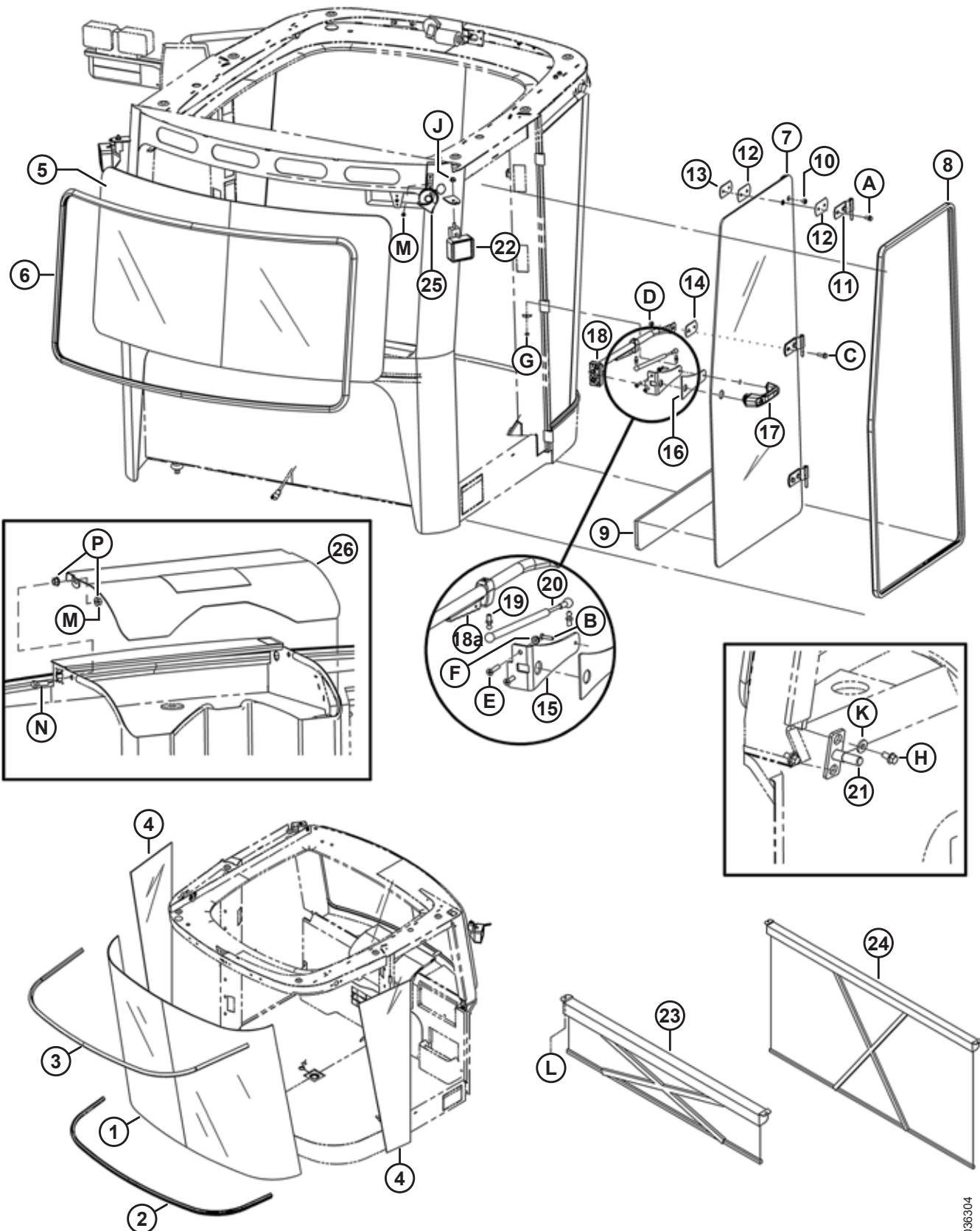
Ref	Part Number	Description	Qty	Serial Number
	B4866	KIT – WINDOW SHADE ⁵⁰		
1	109323	WINDOW – FRONT	1	
2	109721	SEAL – WINDOW BOTTOM	1	
3	109536	SEAL – WINDOW TOP	1	
4	109324	WINDOW – SIDE	2	
5	109326	WINDOW – REAR	1	
6	109538	SEAL – WINDOW REAR	1	
7	109738	DOOR – GLASS	2	
8	109552	SEAL – DOOR	2	
9	109732	INSULATOR – DOOR	2	
10	109585	SPACER	12	
11	109665	HINGE – RIGHT DOOR	3	
	109604	HINGE – LEFT DOOR	3	
12	109598	GASKET – HINGE	12	
13	109601	BAR – HINGE BACKING	4	
14	109739	BAR – CENTER HINGE BACKING	2	
15	109740	SUPPORT – RIGHT LATCH	1	
	109822	SUPPORT – LEFT LATCH	1	
16	109745	GASKET – DOOR LATCH	2	
17	109743	HANDLE – OUTSIDE CAB ⁵¹	2	
	109701	KEY	1	
18	160126	LATCH – RH CAB DOOR ⁵²	1	
	160127	LATCH – LH CAB DOOR ⁵²	1	
18a	160413	BEZEL – DOOR LATCH, RH OR LH	2	
19	110446	STUD – BALL	4	
20	109603	SPRING – GAS	2	
21	109362	CATCH WELDMENT	2	

50. Includes front window shade (MD #109834) and rear window shade (MD #109778). Kits available through whole goods only.

51. Includes key (MD #109701).

52. Includes bezel (MD #160413).

DOORS AND WINDOWS

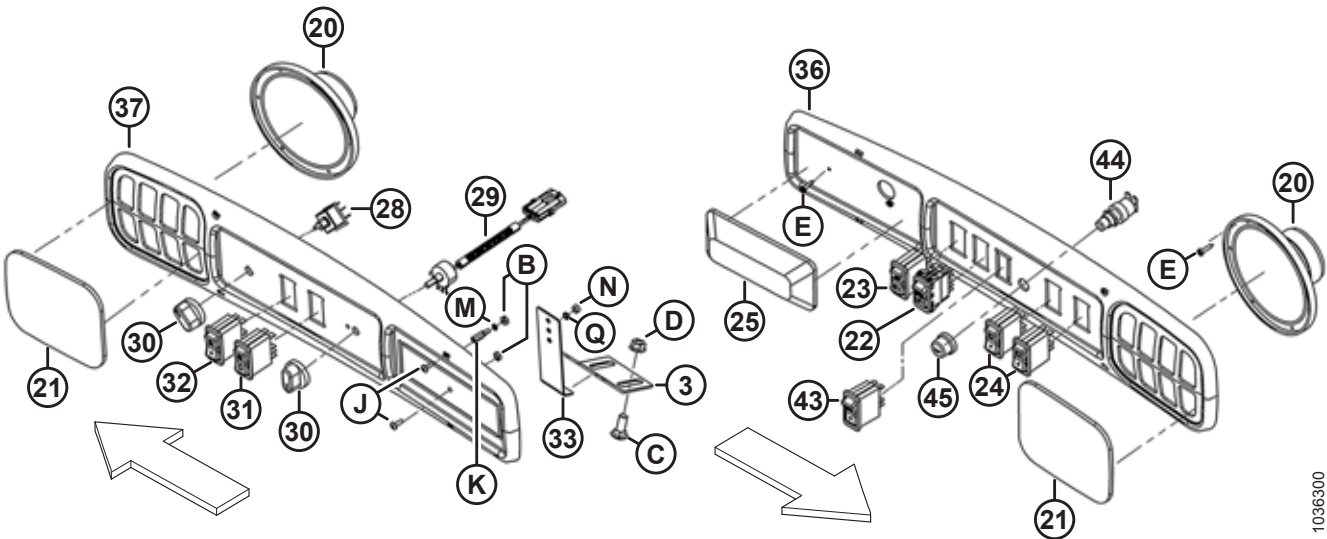
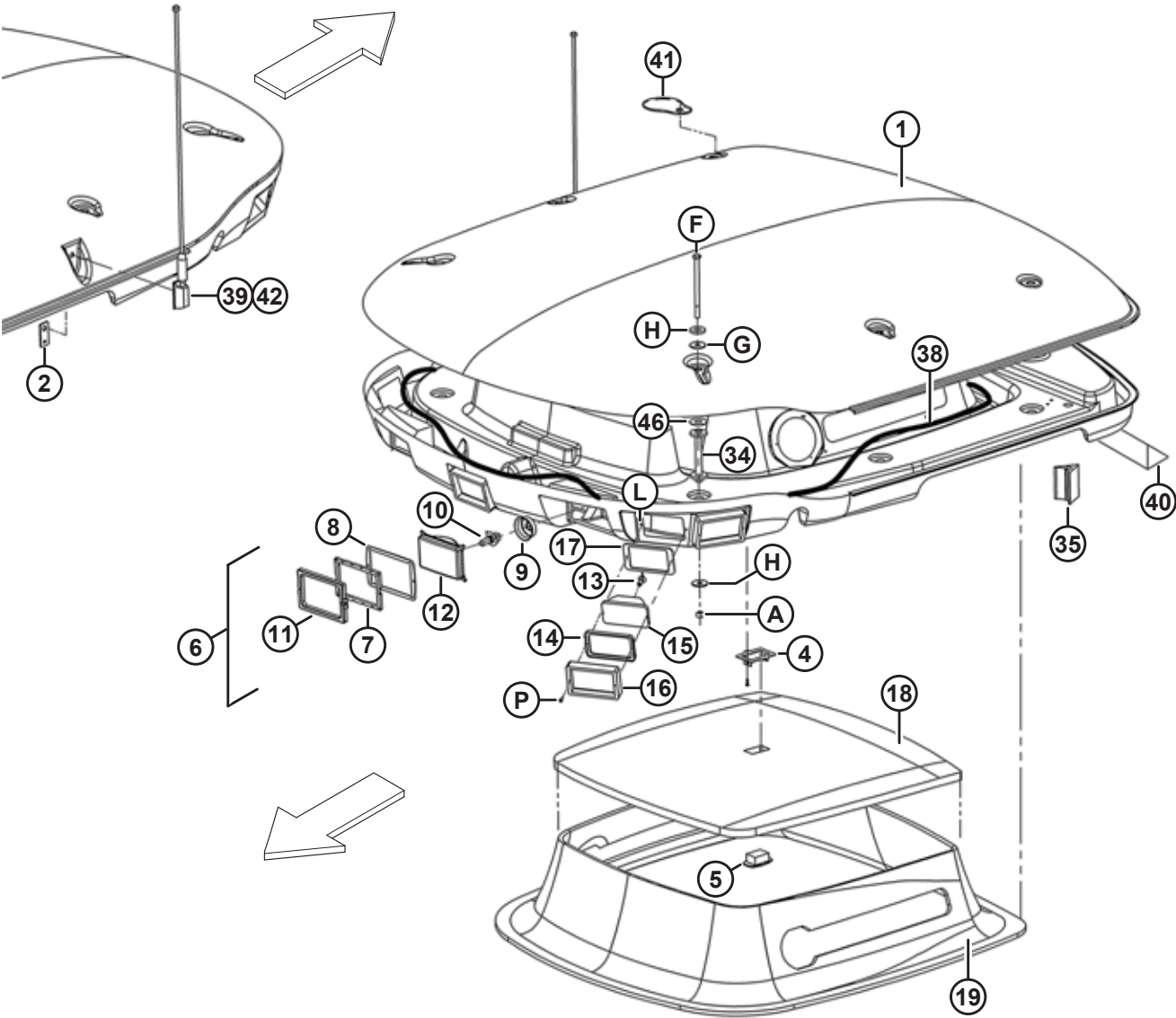


1036304

DOORS AND WINDOWS

Ref	Part Number	Description	Qty	Serial Number
22	109717	LIGHT – WORK	2	
	109113	LAMP – BULB	2	
23	109834	SHADE – FRONT WINDOW	1	
24	109778	SHADE – REAR WINDOW	1	
25	160373	HORN	1	
26	109869	COVER – DRINK COOLER WITH DECAL	1	
A	101897	SCREW – HEX WASH HD THD ROLLING 3/8 NC X 3/4		
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		
D	30228	NUT – FLANGE DT SMTH FACE 0.375-16 UNC		
E	30504	SCREW – FLAT CSK MACH 5/16 NC X 1 1/2 LG GR 5 ZP		
F	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
G	18690	NUT – HEX LOCK DT 5/16-18 UNC ZP		
H	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
J	50101	NUT – FLG LOCK PREV TORQUE SM FACE M10-1.5		
K	20535	WASHER – FLAT		
L	21455	NUT – SERRATED FLANGE LOCK 1/4 NC		
M	135248	NUT – FLANGE SMTH FACE, 1/4 NC, DT		
N	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
P	21452	NUT – FLANGE, SERRATED FACE, 3/8 NC		

33 Roof and Headliner

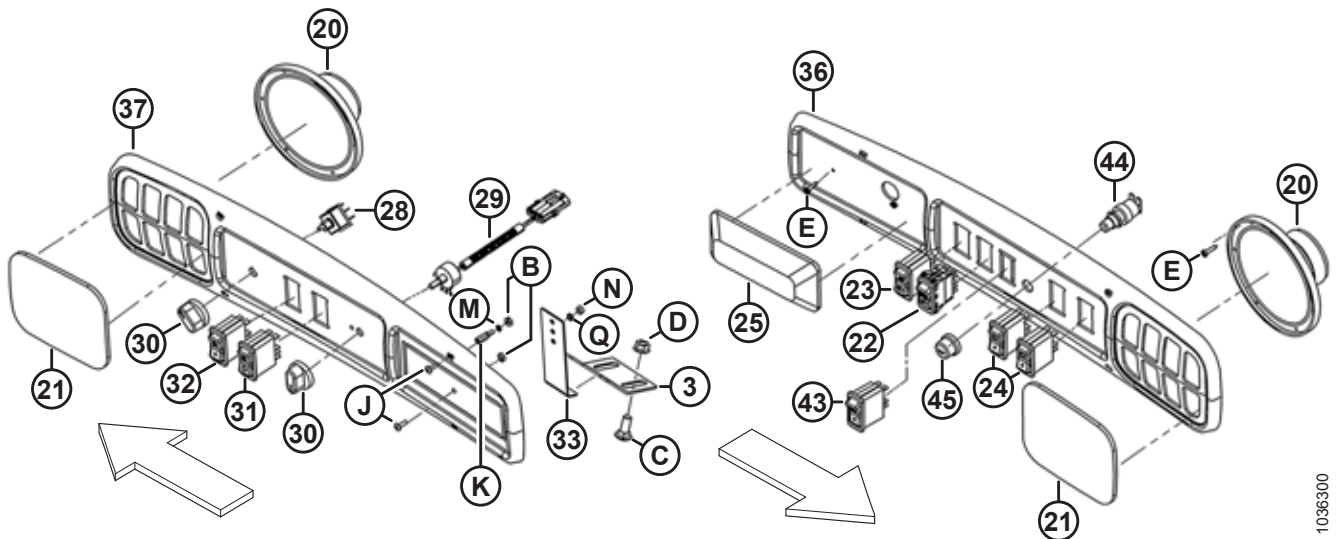
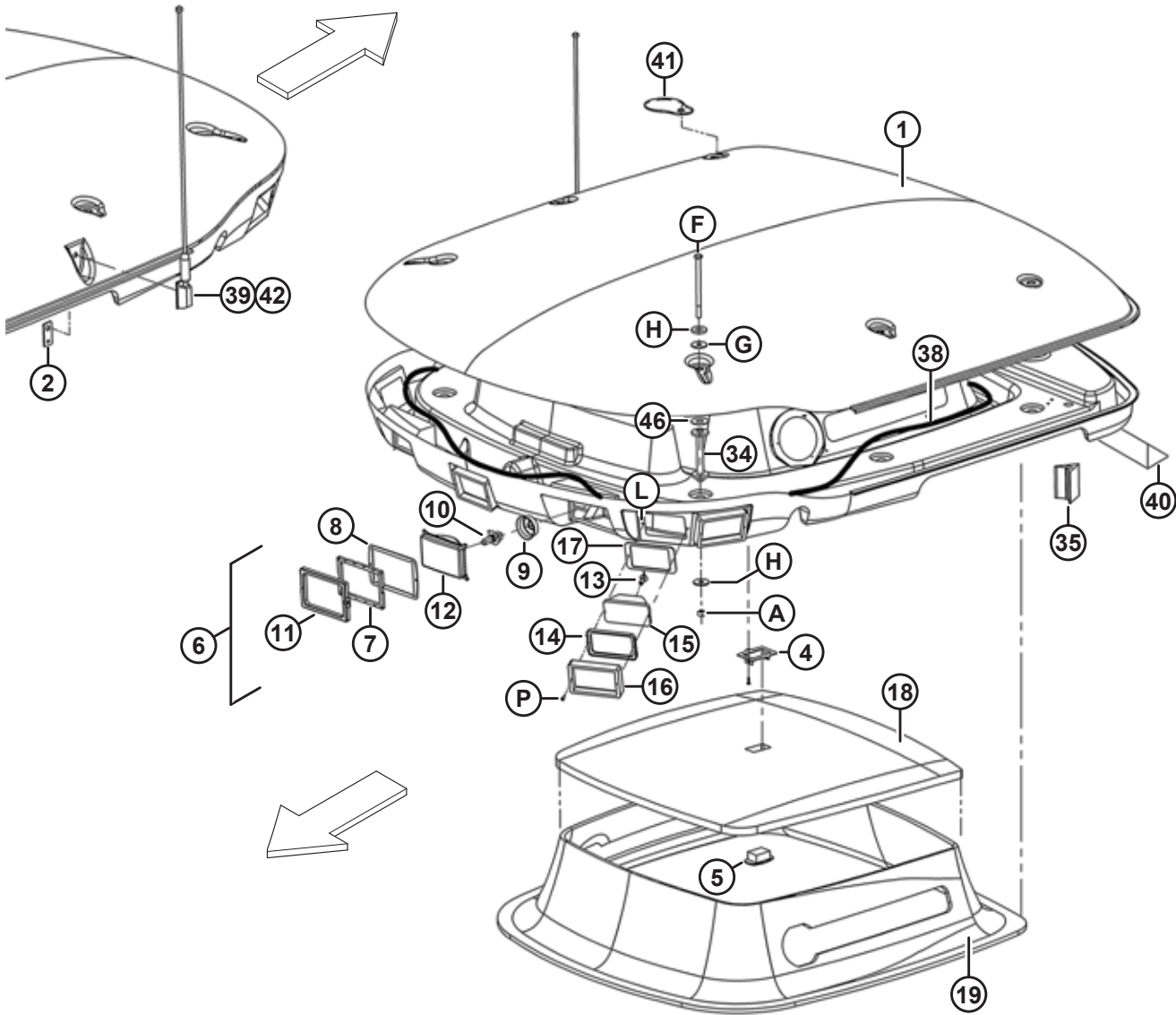


ROOF AND HEADLINER

Ref	Part Number	Description	Qty	Serial Number
1	109980	ROOF – CAB ⁵³	1	
2	109099	BAR	1	
3	109762	RETAINER – RADIO SUPPORT	1	
4	109887	SUPPORT – AMBIENT LIGHT	1	
5	109908	LIGHT – AMBIENT	1	
6	110268	ASSY – ABL ROADLIGHT	2	
7	109776	GASKET – INNER	2	
8	109777	GASKET – OUTER	2	
9	110266	INSULATOR – RUBBER BOOT	1	
10	110267	LIGHT – H14 BULB 12 VOLT 60/55 WATT	1	
11	110264	BEZEL – ROAD LIGHT	1	
12	110265	OPTICAL UNIT – ROAD LIGHT	1	
13	109113	LAMP – BULB	5	
14	109697	GASKET – RUBBER	5	
15	109696	LIGHT – 3 X 5 OPTICAL UNIT	5	
16	109695	BEZEL – WORK LIGHT	5	
17	109110	GASKET – WORK LIGHT	5	
18	109528	INSULATOR – ROOF	1	
19	109622	INSULATOR – HEADLINER	1	
20	109093	SPEAKER – RADIO	2	
21	109764	INSULATOR – SPEAKER GRILLE	2	
22	166274	SWITCH – ROCKER, ON-NONE-ON (HI/LO LIGHT)	1	
23	109568	SWITCH – ROCKER, ON-OFF-ON (MAIN LIGHT)	1	
24	109573	SWITCH – ROCKER, OFF-NONE-ON (WIPER)	2	
25	109123	LIGHT – INTERIOR	1	
28	109078	SWITCH – BLOWER	1	
29	109718	GAUGE – POTENTIOMETER	1	
30	109773	KNOB – PLASTIC	2	
31	109571	SWITCH – ROCKER, OFF-NONE-ON (A/C RECIRC.)	1	
32	109570	SWITCH – ROCKER, OFF-NONE-ON (A/C MAIN)	1	

53. Includes roof and headliner.

ROOF AND HEADLINER



1036300

ROOF AND HEADLINER

Ref	Part Number	Description	Qty	Serial Number
33	109525	SUPPORT – RADIO	1	
34	45783	SPACER – WELDT	6	
35	109817	INSULATOR – FOAM	1	
36	160368	PANEL ASSY – LIGHT /W DECAL ⁵⁴	1	
37	109766	PANEL ASSY – RADIO /W DECAL ⁵⁴	1	
38	166170	HARNESS – ROOF ⁵⁵	1	–195759
	138752	HARNESS – ROOF	1	195760–
39	109092	ANTENNA – RADIO	1	
40	109996	INSULATOR – FOAM	1	
41	160288	SUPPORT – ANTENNA ⁵⁶	1	
42	160293	CAPACITOR – RADIO ANTENNA	1	
43	166154	SWITCH – ROCKER, ON-NONE-OFF (BEACON) ⁵⁷	1	
	138952	SWITCH – ROCKER, ON-OFF-ON (CLEAR LIGHTS / BEACON) ⁵⁸	1	
44	160375	SWITCH – HORN	1	
45	160376	CAP – HORN, SWITCH	1	
46	43960	WASHER – FLAT ⁵⁹	2	
A	18697	NUT – HEX LOCK DT .500-13 UNC		
B	18796	NUT – HEX #8-32 UNC GR 5 ZP		
C	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
D	21452	NUT – FLGE (SER FACE) .375-16 UNC		
E	30492	SCREW – PHILLIPS PAN HD #8 X 3/4 LG ZP		
F	30947	BOLT – HH 1/2 NC X 7.5 LG GR5 ZP		
G	42045	WASHER – RUBBER		
H	42592	WASHER – FLAT		
J	109918	SCREW – MACHINE PHILLIPS #8 NC X 0.5 LG GR 2		
K	109919	NUT – SPECIAL		

54. Includes insulator speaker grille (MD #109764) and decal.

55. Was previously MD #166155.

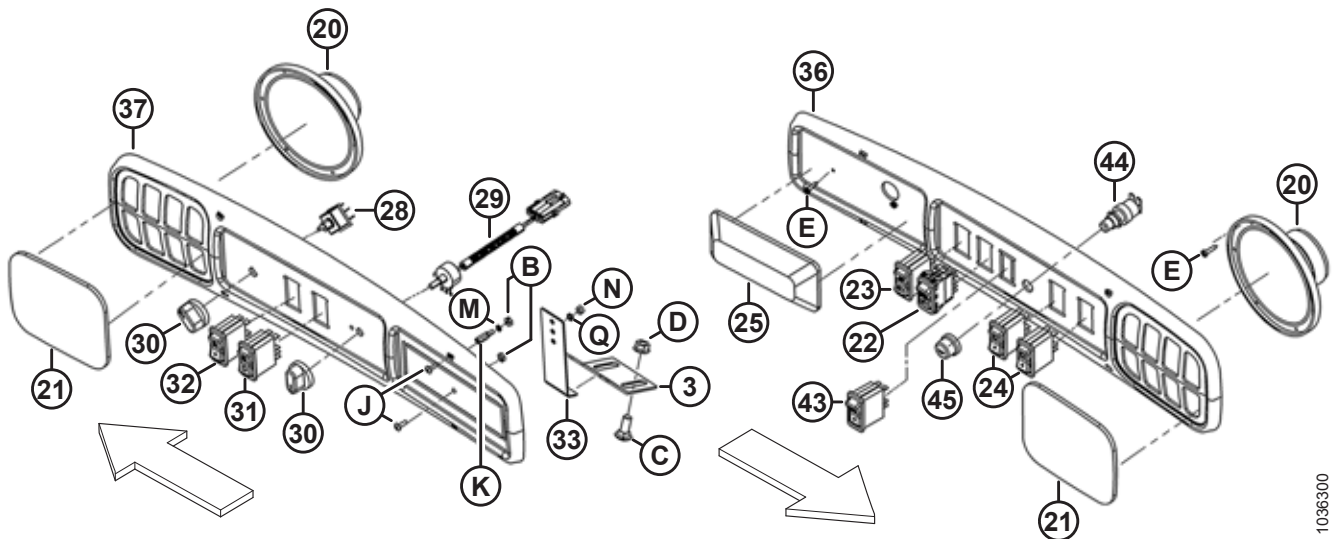
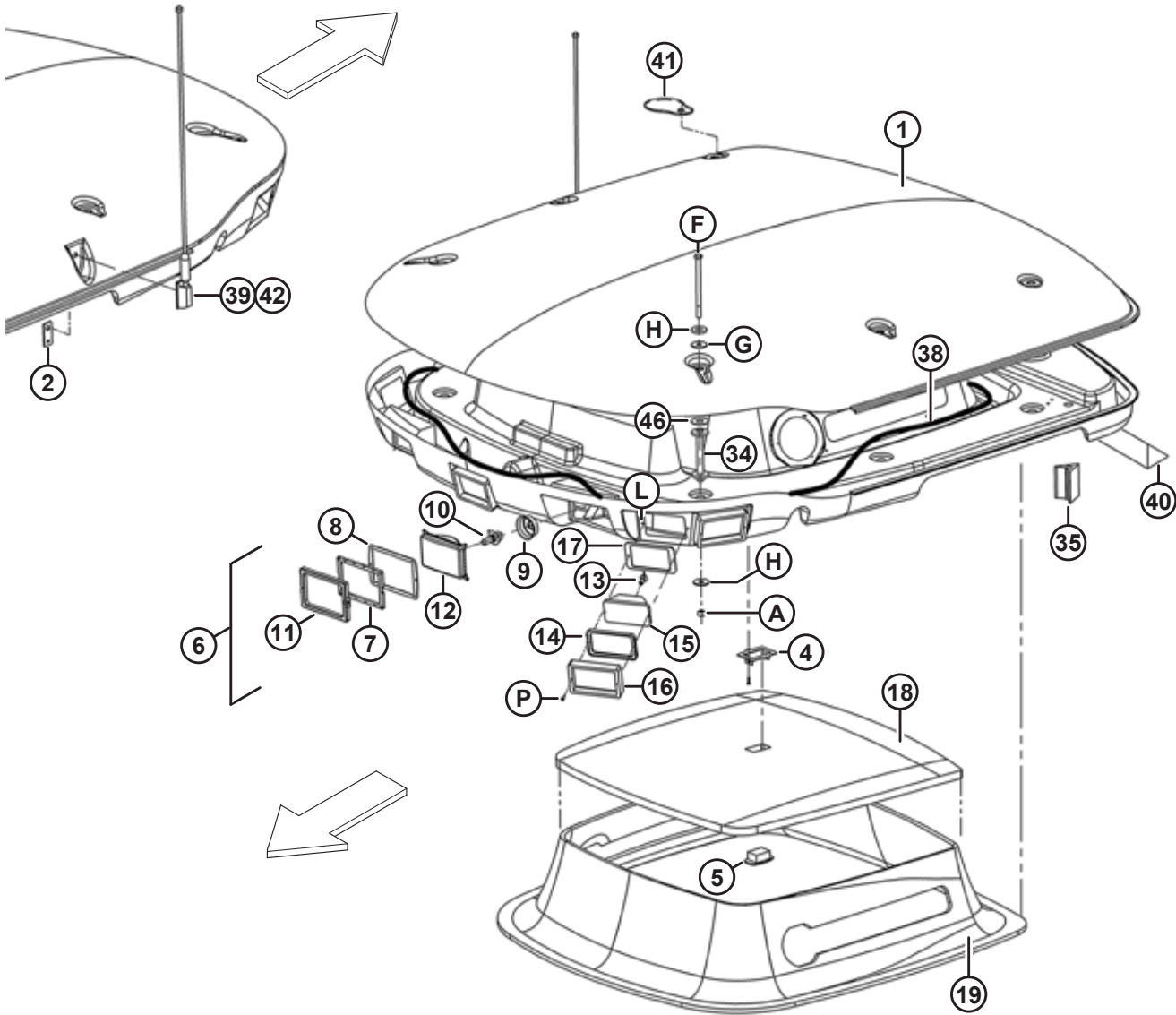
56. For CB or 2-way radio.

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

58. CIS export markets only.

59. Front two spacers only.

ROOF AND HEADLINER

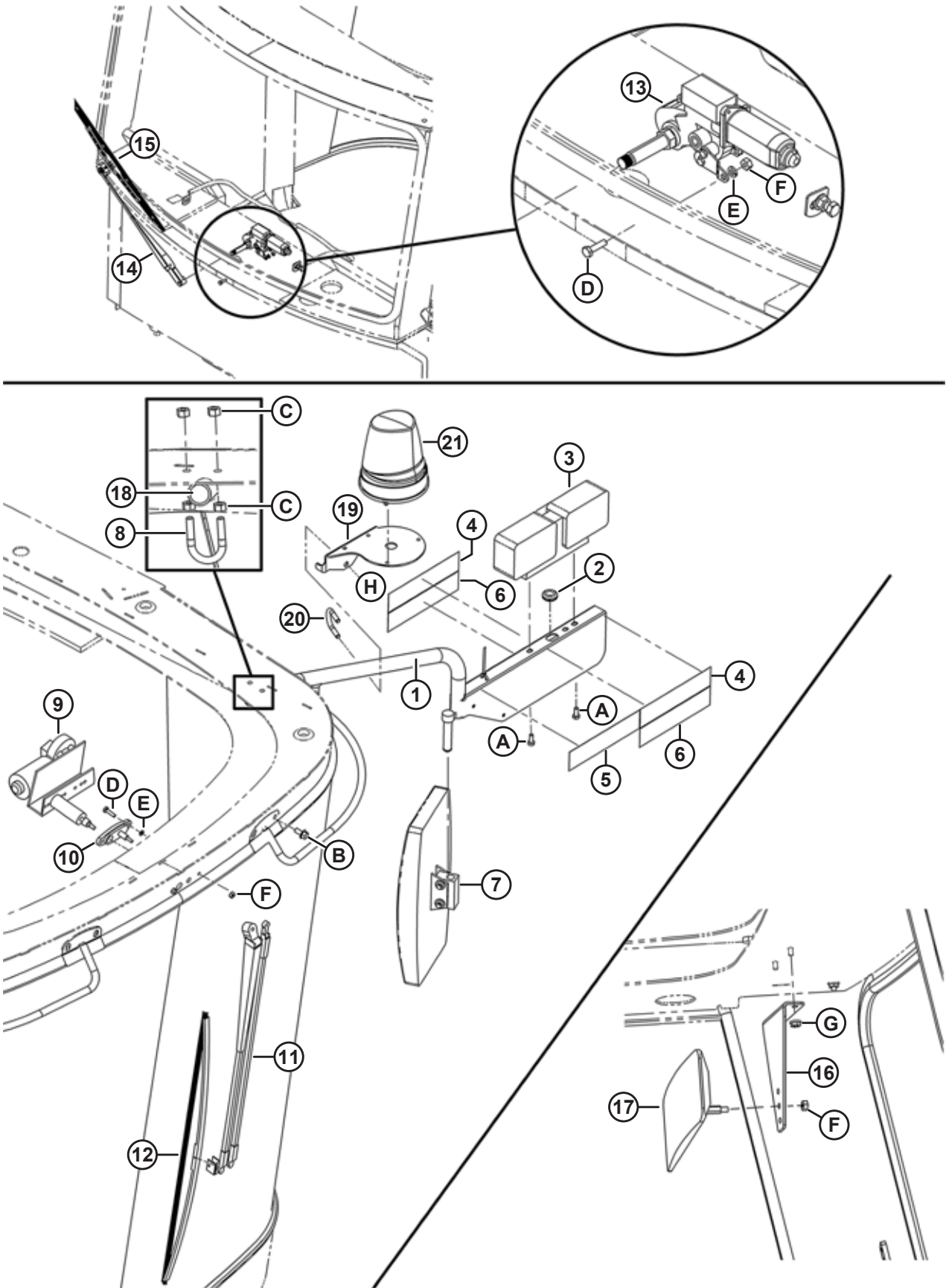


1036300

ROOF AND HEADLINER

Ref	Part Number	Description	Qty	Serial Number
L	42213	NUT – SPRING		
M	20042	WASHER – REG LOCK #8 NOM ID ZP		
N	30506	NUT – HEX M5 X 0.8 ZP CLASS 10 STYLE 1		
P	30949	SCREW – MACH PHILIPS PAN HD #6 NC X 1.0 LG ZP		
Q	18634	WASHER – LOCK #10		

34 Mirrors and Wipers



1036293

MIRRORS AND WIPERS

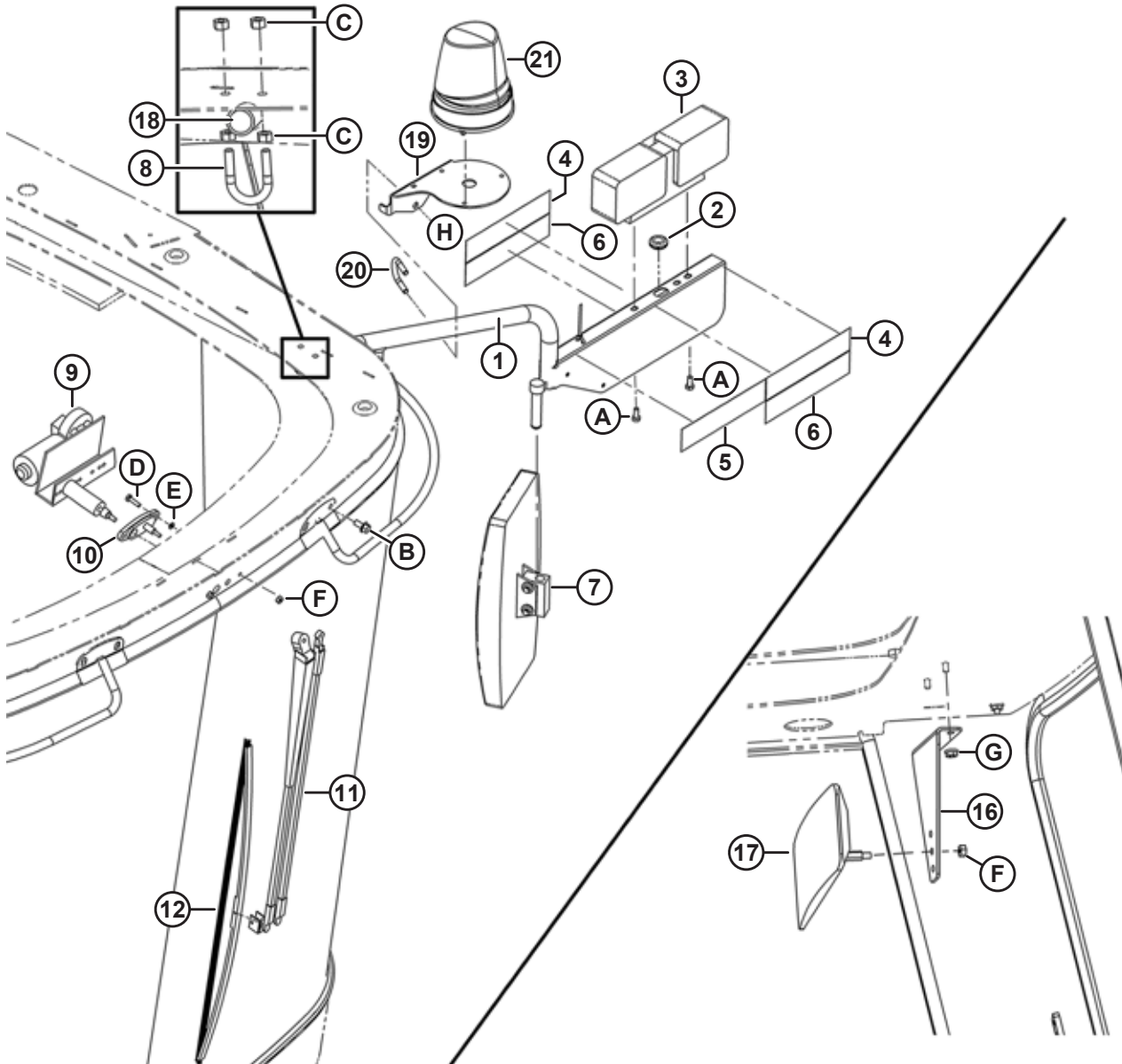
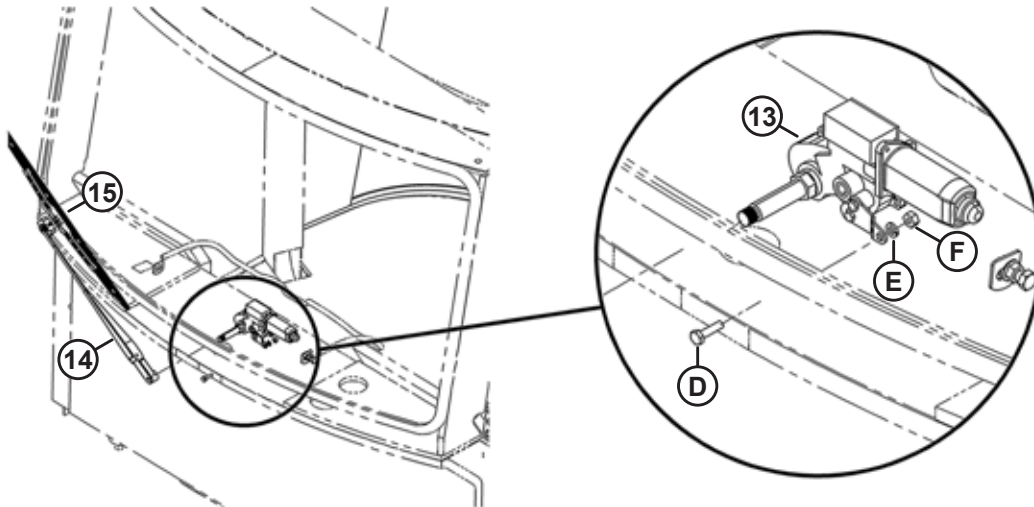
Ref	Part Number	Description	Qty	Serial Number
	B5371	BEACON KIT ⁶⁰		
1	160408	SUPPORT – LAMP/MIRROR LH C/W REFLECTORS	1	
	160409	SUPPORT – LAMP/MIRROR RH C/W REFLECTORS	1	
2	135258	GROMMET – RUBBER	2	
3	109592	LIGHT – COMBO LH (BULBS – 1157 RED, 1156 AMBER)	1	
	109593	LIGHT – COMBO RH (BULBS – 1157 RED, 1156 AMBER)	1	
	160358	LENS – RED		
	160359	LENS – AMBER		
	160360	LENS – BLACK ⁶¹		
	138950	LENS – CLEAR ⁶²		
4	115147	REFLECTOR – RED	4	
5	115145	REFLECTOR – FLUORESCENT RED-ORANGE	2	
6	115146	REFLECTOR – AMBER	4	
7	45835	MIRROR – CONVEX	2	
8	112973	BOLT – U	2	
9	109825	MOTOR – ELEC, WINDSHIELD WIPER	1	
10	109088	SUPPORT – ADAPTER KIT	1	
11	109578	ARM – WINDSHIELD WIPER, 28 IN.	1	
12	109579	BLADE – WINDSHIELD WIPER, 31.5 IN.	1	
13	109759	MOTOR – WIPER	1	
14	160109	ARM – WINDSHIELD WIPER	1	
15	109824	BLADE – WINDSHIELD WIPER	1	
16	109614	SUPPORT – MIRROR	1	
17	109888	MIRROR HEAD	1	
18	109995	INSULATOR – FOAM BLOCK (MIRROR TUBE)	2	
19	160385	SUPPORT – BEACON MOUNT LH	1	
	160386	SUPPORT – BEACON MOUNT RH	1	
20	112973	BOLT – U	2	

60. Includes items #20–22 and nut (MD #30228). Kits available through Whole Goods only.

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

62. CIS export markets only.

MIRRORS AND WIPERS

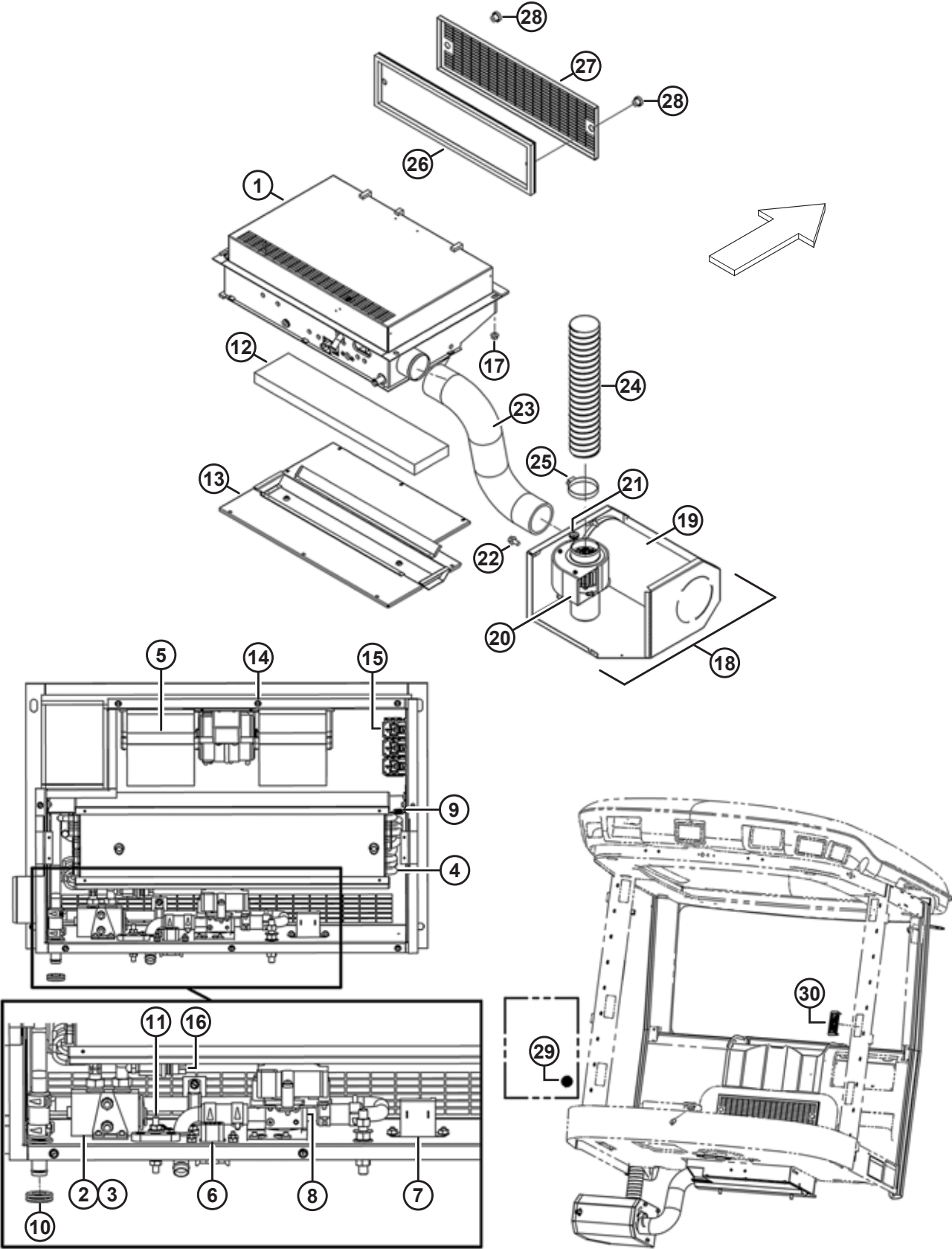


1036293

MIRRORS AND WIPERS

Ref	Part Number	Description	Qty	Serial Number
21	160374	LAMP – WARNING BEACON, C/W MTG HARDWARE	2	
	160378	LENS – AMBER (WARNING BEACON)		
	160379	BULB – HI, 12V-55W (WARNING BEACON)		
A	30715	BOLT – HH M8 X 1.25 X 20 LG ZP		
B	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP		
C	18590	NUT– HEX 3/8-16 UNC GR 5 ZP		
D	21573	BOLT – HH 1/4 NC X 1.0 LG GR 5 ZP		
E	18635	WASHER – REG LOCK 1/4 IN NOM ID ZP		
F	18588	NUT – HEX 1/4-20 UNC GR 5 ZP		
F	18588	NUT – HEX 1/4-20 UNC GR 5 ZP		
G	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
H	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		

35 Cab – Air Conditioning and Heater



CAB – AIR CONDITIONING AND HEATER

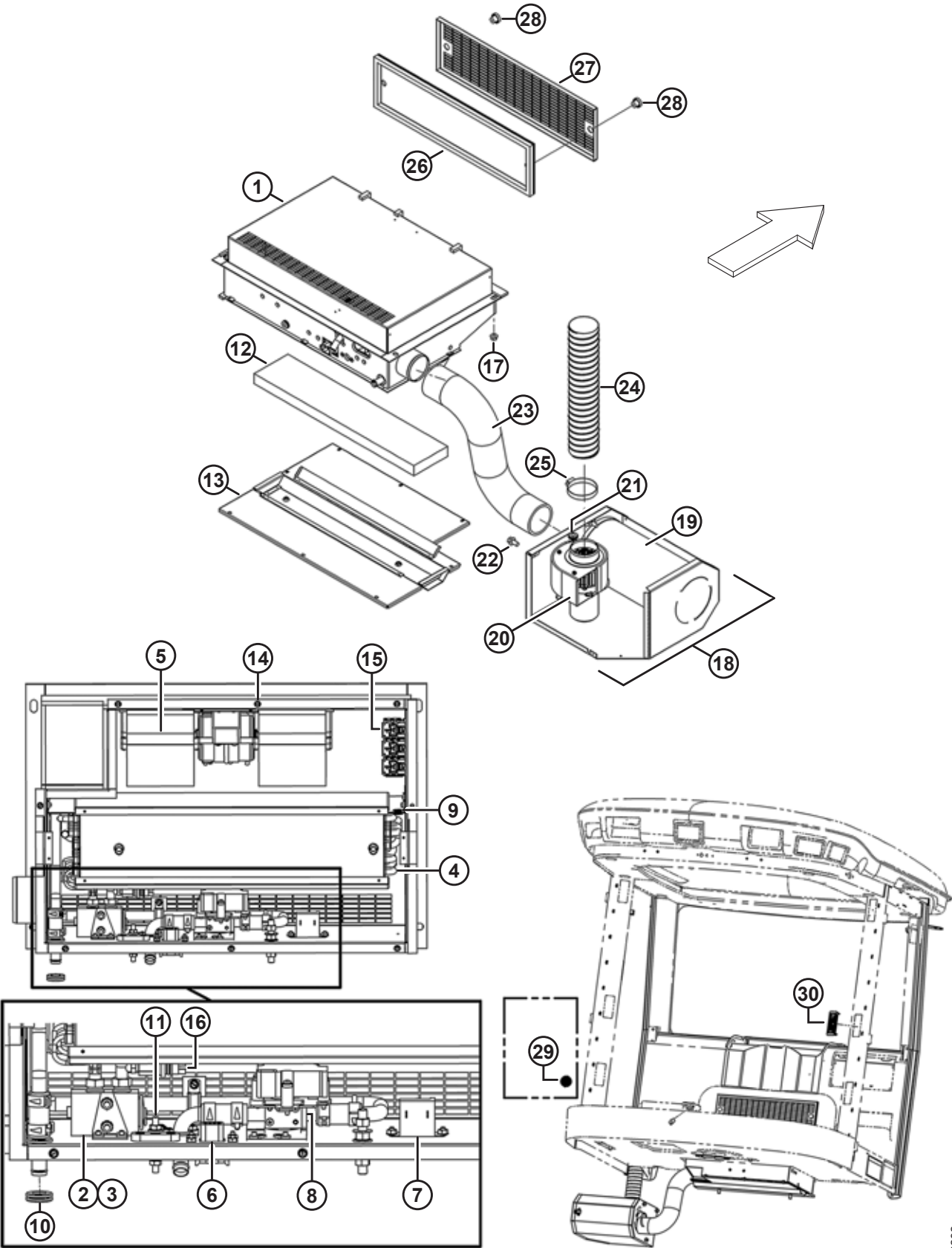
Ref	Part Number	Description	Qty	Serial Number
1	138400	HEATER/EVAPORATOR/BLOWER ASSY ⁶³	1	
	139519	GASKET – EVAPORATOR BOX COVER		
2	42879	VALVE – EXPANSION	1	
3	42895	O-RING	2	
4	109338	CORE – EVAPORATOR/HEATER	1	
5	109920	BLOWER	1	
	109921	RESISTOR – CERAMIC ⁶⁴	1	
6	109922	WIRING HARNESS	1	
7	109923	THERMOSTAT	1	
8	109924	VALVE – HEATER C/W MOTOR	1	
9	109925	GROMMET	1	
10	109926	GROMMET	2	
11	109928	STUD – ELECTRICAL JUMPER	1	
12	109929	BAFFLE – CONDENSATE	1	
13	109930	COVER	1	
14	135469	SCREW	24	
15	30215	RELAY	3	
16	138972	LOW PRESSURE SWITCH	1	
17	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC	3	
18	109379	ASSY – CAB AIR FILTER ⁶⁵	1	
19	111060	FILTER ELEMENT	1	
20	109819	BLOWER C/W MOTOR	1	
21	109927	GROMMET	1	
22	21821	BOLT – HH FLG (SER FACE) 3/8 NC X 0.75 GR 5 ZP	3	
23	138210	HOSE – AIR CONDITIONING INTAKE	1	
24	138209	HOSE – A/C AIR INTAKE	1	
25	21913	CLAMP – HOSE	3	
26	109797	CLEANER – RECIRC AIR ELECTROSTATIC	1	
27	109795	COVER – RECIRC AIR FILTER	1	

63. Includes items #2–16.

64. Used in blower.

65. Includes items #19, 20, and 21.

CAB – AIR CONDITIONING AND HEATER

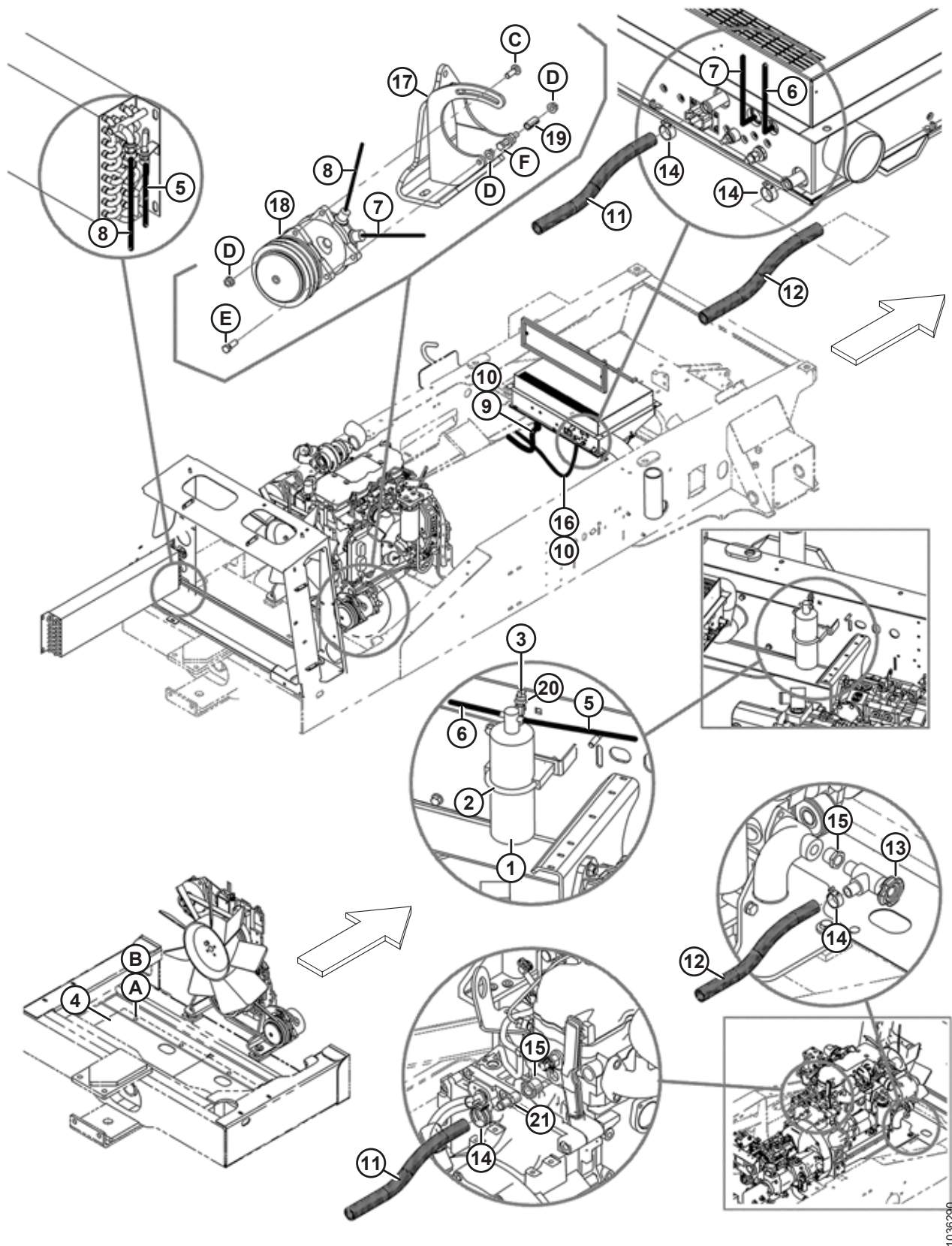


1036292

CAB – AIR CONDITIONING AND HEATER

Ref	Part Number	Description	Qty	Serial Number
28	109796	KNOB	2	
29	42076	VENTILATOR – CIRCULAR	6	–174609
30	109626	VENTILATOR – RECTANGULAR LOUVER	12	

36 Heating, Ventilation, and Air Conditioning (HVAC) – Engine Group (M150)



HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) – ENGINE GROUP (M150)

Ref	Part Number	Description	Qty	Serial Number
1	112082	DRIER – RECEIVER	1	
2	42469	CLAMP – PIPE	1	
3	109606	SWITCH – A/C HIGH	1	
4	110834	SHIELD – FAN (ENGINE AIR BLAST)	2	
5	110480	HOSE – A/C, CONDENSER TO RECEIVER DRIER ⁶⁶	1	
6	138706	HOSE – A/C ⁶⁶	1	
7	162404	HOSE – A/C, EVAP. TO COMPRESSOR ⁶⁷	1	
8	110483	HOSE – A/C, COMPRESSOR TO CONDENSER ⁶⁸	1	
9	166003	CONDUIT – DRAIN HOSE	1	
10	21053	CLAMP – GEAR TYPE	2	
11	110763	HOSE – HEATER (CUMMINS PRESSURE)	1	
12	110764	HOSE – HEATER (CUMMINS RETURN)	1	
13	101904	VALVE	1	
14	112692	CLAMP – HOSE	4	
15	5745	FITTING – REDUCER BUSHING	2	
16	166002	CONDUIT – DRAIN HOSE	1	
17	162037	SUPPORT – RH ENGINE WELDT M150 ⁶⁹	1	
18	109617	COMPRESSOR	1	
19	23050	SPACER	1	
20	42894	O-RING – FOR HIGH PRESSURE SWITCH	1	
21	112662	FITTING – HEATER, 1/2 NPT MALE X 5/8 IN HOSE	1	
A	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
B	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
C	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
E	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
F	20055	BOLT – HH 3/8 NC X 2 1/4		

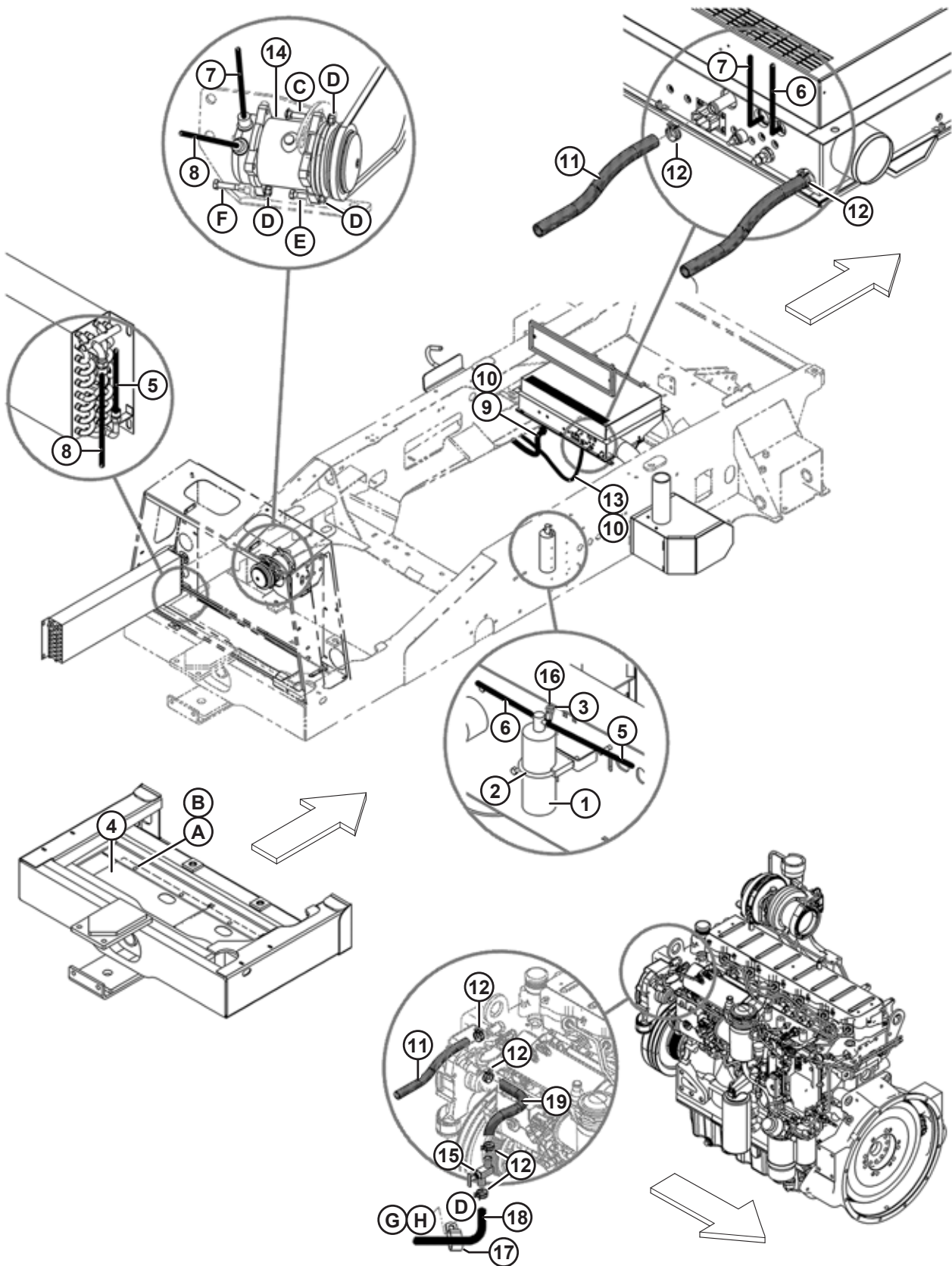
66. Complete with two O-rings (MD #163766).

67. Complete with two O-rings (MD #163768).

68. Complete with two O-rings (MD #163767).

69. Includes spacer (MD #23050).

37 Heating, Ventilation, and Air Conditioning (HVAC) – Engine Group (M200)



HEATING, VENTILATION, AND AIR CONDITIONING (HVAC) – ENGINE GROUP (M200)

Ref	Part Number	Description	Qty	Serial Number
1	112082	DRIER – RECEIVER	1	
2	42469	CLAMP – PIPE	1	
3	109606	SWITCH – A/C HIGH	1	
4	110834	SHIELD – FAN (ENGINE AIR BLAST)	2	
5	110480	HOSE – A/C, CONDENSER TO RECEIVER DRIER ⁷⁰	1	
6	138706	HOSE – A/C ⁷⁰	1	
7	110732	HOSE – A/C, EVAP. TO COMPRESSOR ⁷¹	1	
8	110733	HOSE – A/C, COMPRESSOR TO CONDENSER ⁷²	1	
9	166003	CONDUIT – DRAIN HOSE	1	
10	21053	CLAMP – GEAR TYPE	2	
11	42280	HOSE – HEATER, PRESSURE	1	
12	112692	CLAMP – HOSE	6	
13	166002	CONDUIT – DRAIN HOSE	1	
14	109617	COMPRESSOR	1	
15	111391	VALVE – SHUTOFF	1	
16	42894	O-RING – FOR A/C HIGH PRESSURE SWITCH	1	
17	50022	CLAMP – HOSE	1	
18	111784	HOSE – HEATER, RETURN A	1	
19	111783	HOSE – HEATER, RETURN B	1	
A	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
B	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
C	19966	BOLT – RHSN 3/8 NC X 1.25 LG GR 5 ZP		
D	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
E	21264	BOLT – HH 3/8 NC X 1.25 LG GR 5 ZP		
F	20055	BOLT – HH 3/8 NC X 2 1/4		
G	20077	BOLT – HH 3/8 NC X 1.0		
F	18598	WASHER – FLAT 13/32 IN ID		

70. Complete with two O-rings (MD #163766).

71. Complete with two O-rings (MD #163768).

72. Complete with two O-rings (MD #163767).

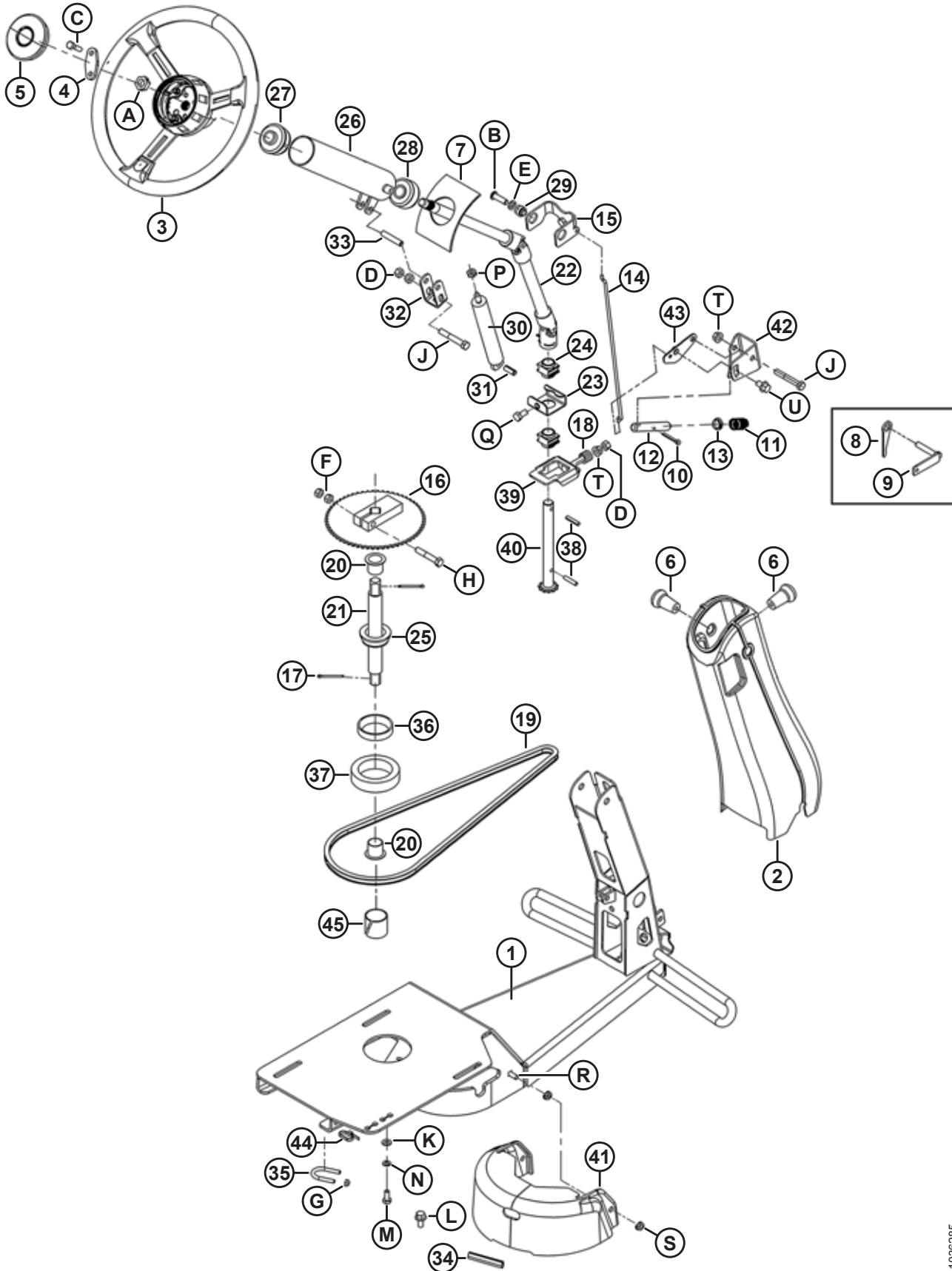
169016



STEERING COLUMN AND SEAT BASE

Ref	Part Number	Description	Qty	Serial Number
1	109239	BASE – OPERATOR'S STATION WELDMENT	1	
2	109480	COVER – STEERING COLUMN	1	
3	109482	WHEEL – STEERING	1	
4	109788	TOOL – STEERING WHEEL REMOVAL	1	
5	109483	CAP – STEERING WHEEL	1	
6	109472	KNOB – TAPERED, 3/8-16 NC	2	
7	109748	SEAL – STEERING COLUMN	1	
8	109499	ARM – RELEASE	1	–179759
9	109503	ARM – RELEASE, WELDT	1	–179759
10	18648	PIN – COTTER 3/16 DIA X 1.25 ZP	1	
11	19739	SPRING – COMPRESSION	1	
12	109470	PIN – LATCH	1	
13	109478	BUSHING – SNAP-IN, 0.625 IN	1	
14	109502	ROD – RELEASE	1	
15	163438	CHANNEL – RELEASE	1	
16	109346	SPROCKET WELDT	1	
17	18606	PIN – COTTER 1/8 DIA X 1.5 ZP	2	
18	109779	SPRING – COMPRESSION	1	
19	109479	CHAIN – STEERING	1	
20	156424	BUSHING – PLASTIC FLGD 1.0 IN	2	
21	109344	SHAFT – STEERING	1	
22	109477	SHAFT – STEERING WELDT	1	
23	109302	RETAINER – BUSHING WELDT	1	
24	109751	BUSHING – PLASTIC	2	
25	109611	BEARING – CONE	1	
26	109288	TUBE – STEERING WELDT	1	
27	45661	ROLLER – PLASTIC	1	
28	19488	ROLLER	1	
29	109299	SPACER – COLUMN	2	
30	109073	SPRING – EXTENSION	1	
31	50075	PIN – SPRING 3/8 DIA X 1.0 LG	1	
32	45744	YOKE	1	

STEERING COLUMN AND SEAT BASE

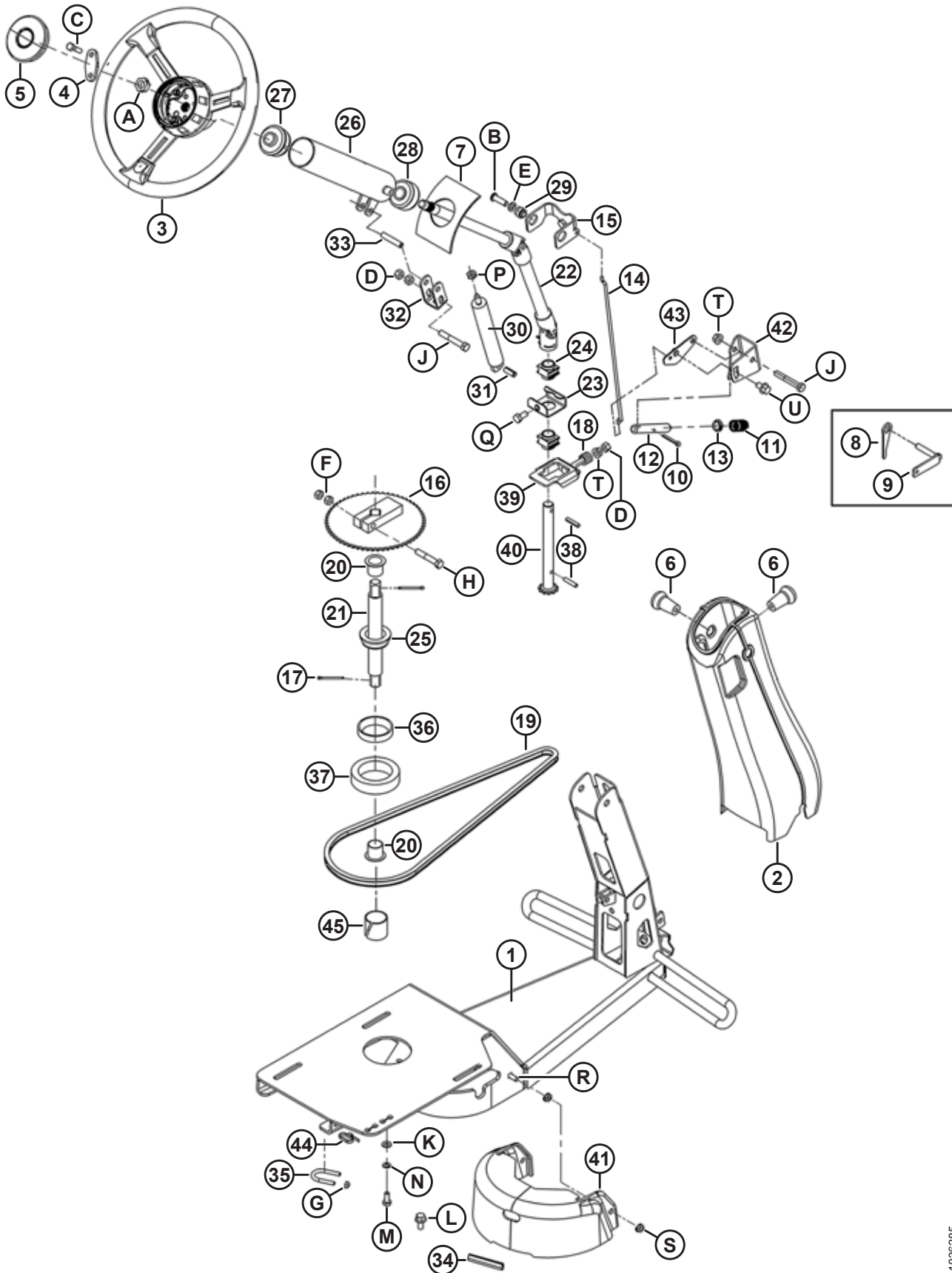


1036285

STEERING COLUMN AND SEAT BASE

Ref	Part Number	Description	Qty	Serial Number
33	30061	PIN – SPRING 3/8 DIA X 2.0 LG	1	
34	42589	MOULDING	1	
35	109914	BOLT – U	1	
36	30516	BEARING – CUP	1	
37	109915	SEAL – DUST, SEAT PIVOT	1	
38	16266	PIN – SPRING 1/4 DIA X 1.25 LG	2	
39	109306	GUIDE – LOWER BUSHING, WELDT	1	
40	109297	SHAFT – STEERING WELDT	1	
41	109932	COVER – SEAT BASE	1	
42	160275	ARM – RELEASE	1	179760–
43	160276	ARM – RELEASE, WELDT	1	179760–
44	21763	FASTENER – CABLE TIE, BLACK (COMPRESSOR WIRES)	1	
45	109350	BUSHING SLEEVE – 1.5	1	
A	105173	NUT – HEX JAM CENTER LOCK		
B	109071	BOLT – BUTTON HD 0.375 NC X 1.25 LG		
C	135349	BOLT – HH 5/16 NF X 1.25 LG GR 5 ZP		
D	18590	NUT – HEX 3/8 - 16 UNC GR 5 ZP		
E	18637	WASHER – REG LOCK 3/8 IN NOM ID ZP		
F	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
G	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
H	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
J	21102	BOLT – HH 3/8 NC X 2.5 LG GR 5 ZP		
K	18597	WASHER		
L	21821	BOLT – HH FLG (SMTH FACE) 3/8 NC X 0.75 GR 5 ZP		
M	30715	BOLT – HH M8 X 1.25 X 20 LG ZP		
N	30716	WASHER – LOCK SPRING M8		
P	109072	NUT – HEX JAM M10		
Q	21567	BOLT – HH .375-16 UNC X 0.75 LG		
R	21087	BOL – HH 5/16 NC X 1.0 LG GR 5 ZP		
S	21403	NUT – FLG SER FACE 5/16 NC GR 5 ZP		

STEERING COLUMN AND SEAT BASE

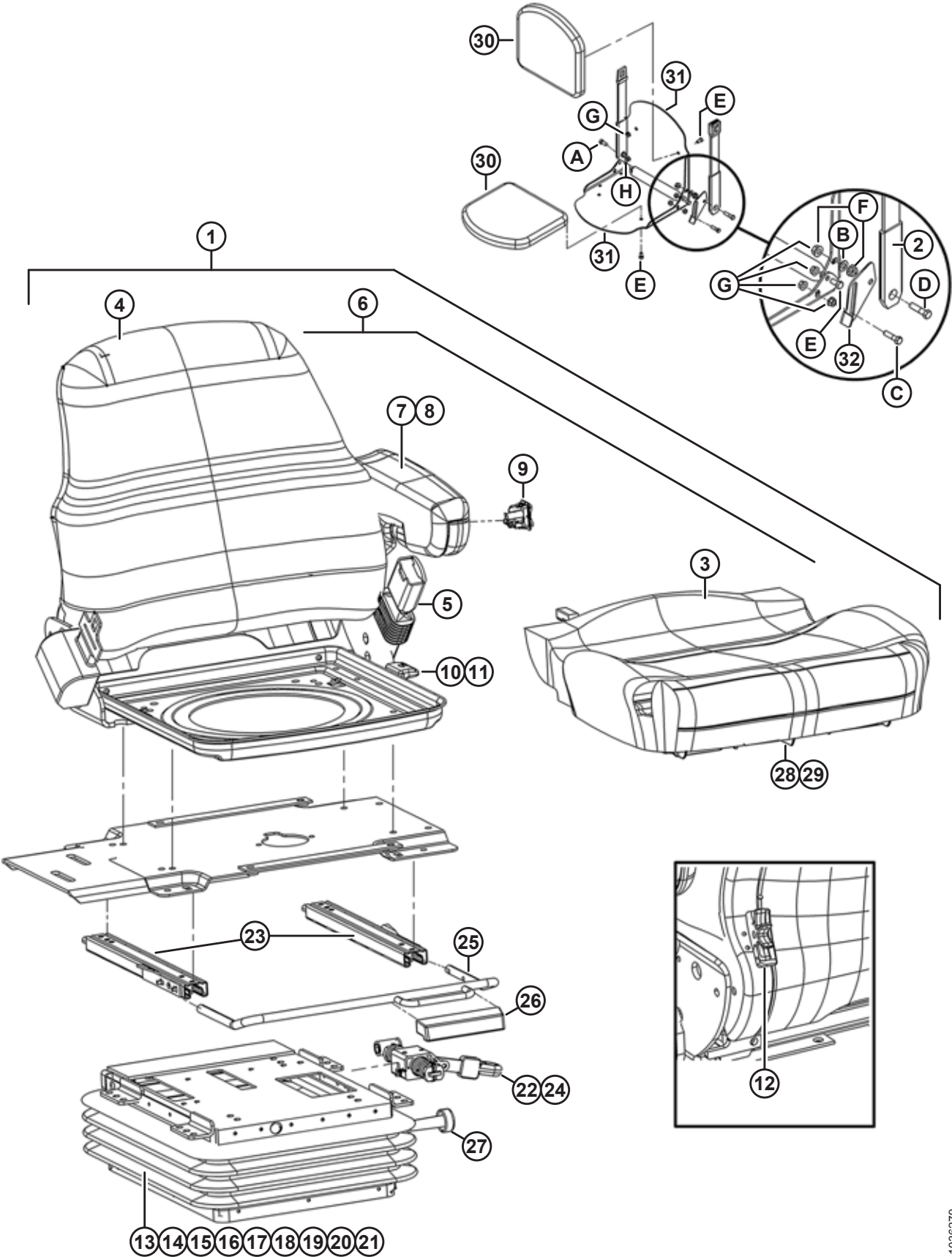


1036285

STEERING COLUMN AND SEAT BASE

Ref	Part Number	Description	Qty	Serial Number
T	30228	NUT – LOCK, SMTH FLG 3/8 NC DIST THD		
U	50076	BOLT – HEX FLG SER FACE 3/8 NC X 0.63 LG GR 5 ZP		

39 Driver's Seat



DRIVER'S SEAT

Ref	Part Number	Description	Qty	Serial Number
1	109244	SEAT – WITH SMV DECAL	1	
2	109102	SEAT BELT – TRAINERS SEAT	1	
3	109845	SEAT CUSHION ASSY ⁷³	1	
4	109846	BACK CUSHION ASSY.	1	
5	45954	SEAT BELT.	1	
6	109847	SEAT TOP ASSY ⁷⁴	1	
7	109848	LH ARMREST ASSY.	1	
8	109849	LH ARMREST PAD ⁷⁵	1	
9	109850	SEAT SWITCH, (SUSPENSION HEIGHT	1	
10	109851	RECLINER KIT	1	
11	109852	RECLINER KNOB	1	
12	109853	LUMBAR KNOB KIT	1	
13	109854	LPA SUSPENSION ASSY ⁷⁶	1	
14	109855	BOOT KIT ⁷⁷	1	
15	109856	BEARING SHAFT	1	
16	109857	BEARING KIT	1	
17	109858	SUSPENSION BUMPER KIT	1	
18	109812	AIRLINE KIT	1	
19	109859	ADJUSTABLE SHOCK ABSORBER KIT ⁷⁸	1	
20	109813	COMPRESSOR KIT	1	
	109812	AIRLINE KIT ⁷⁹		
21	109860	AIR SPRING ⁸⁰	1	
22	109861	FORE – AFT ISOLATOR	1	
23	109862	FORE – AFT SLIDES KIT	1	
24	42930	FORE–AFT ISO. SHOCK KIT	1	
25	109863	SLIDE HANDLE	1	

73. Includes switch (MD #109968).

74. Includes back and cushion assemblies, armrest, and seat belt.

75. Complete with screw.

76. See next page for internal components.

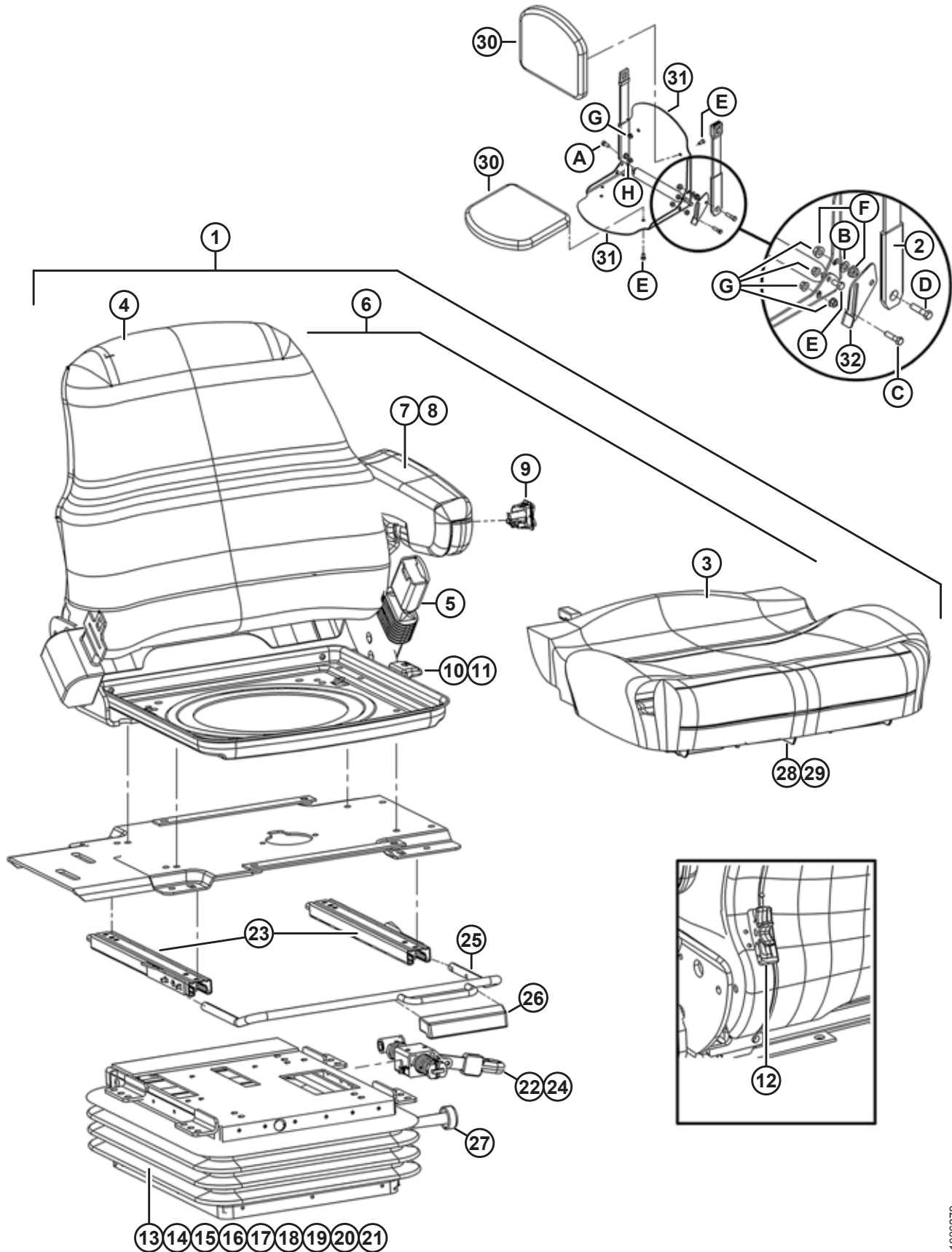
77. Includes boot, clips and rivets.

78. Includes knob (MD #109865).

79. Includes nylon tubing lines, convoluted line and fittings.

80. Includes J-clip.

DRIVER'S SEAT

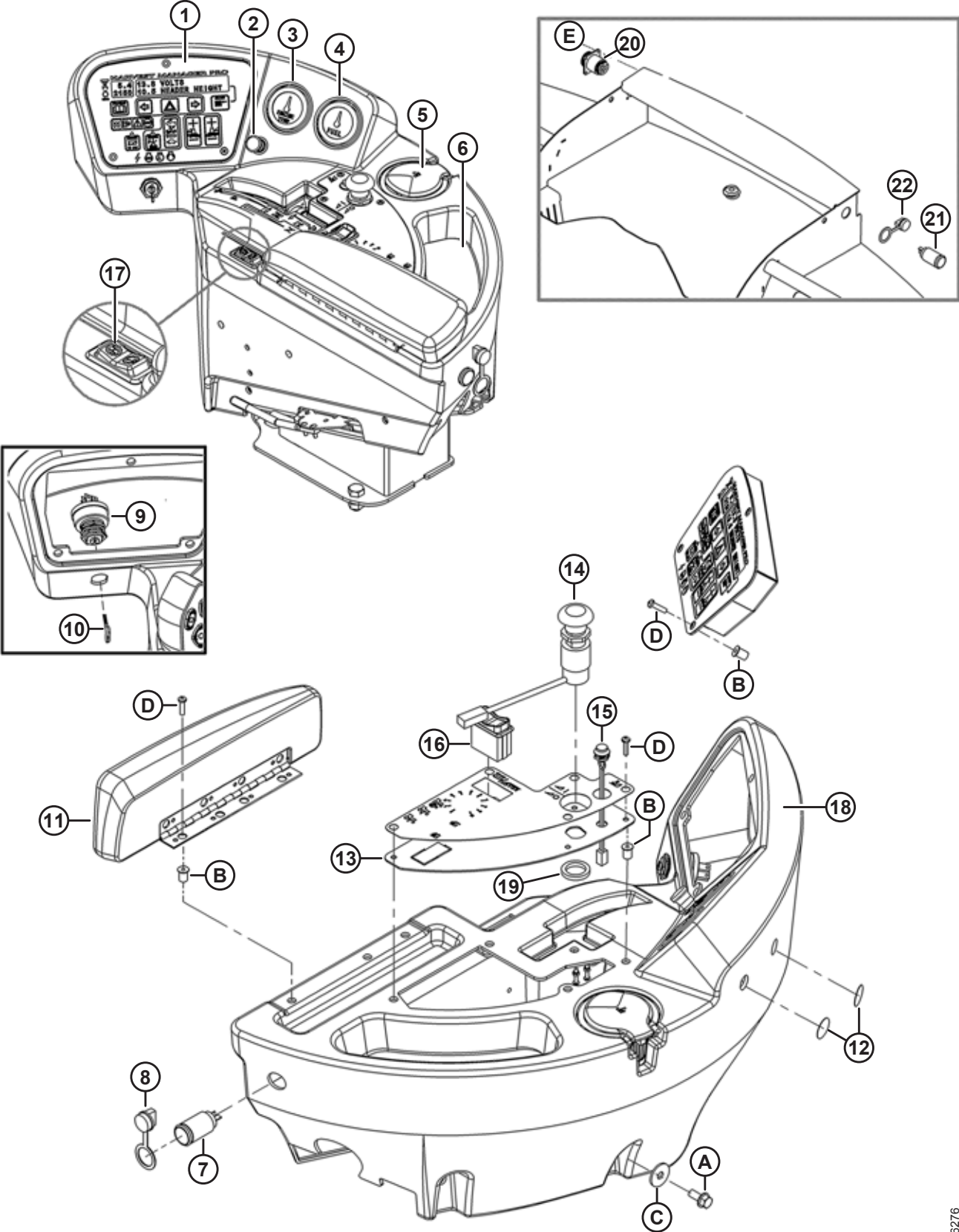


1036279

DRIVER'S SEAT

Ref	Part Number	Description	Qty	Serial Number
26	109864	SLIDE KNOB	1	
27	109865	KNOB – ADJUSTABLE SHOCK	1	
28	109968	SWITCH – SEAT (OPERATOR PRESENT)	1	
29	109971	HARNESS – SEAT SWITCH	1	
30	109643	CUSHION – TRAINING SEAT	2	
31	109640	SUPPORT – CUSHION	2	
32	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 ID X 0.92 IN OD 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 – HH .375-16 UNC X 0.75 LG		
F	21761	NUT – FLG SMTH FACE 7/16 NC GR 5 ZP		
G	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
H	20213	NUT – LOCK, HEX 7/16 NC DIST THD		

40 Console Components



CONSOLE COMPONENTS

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 updates.

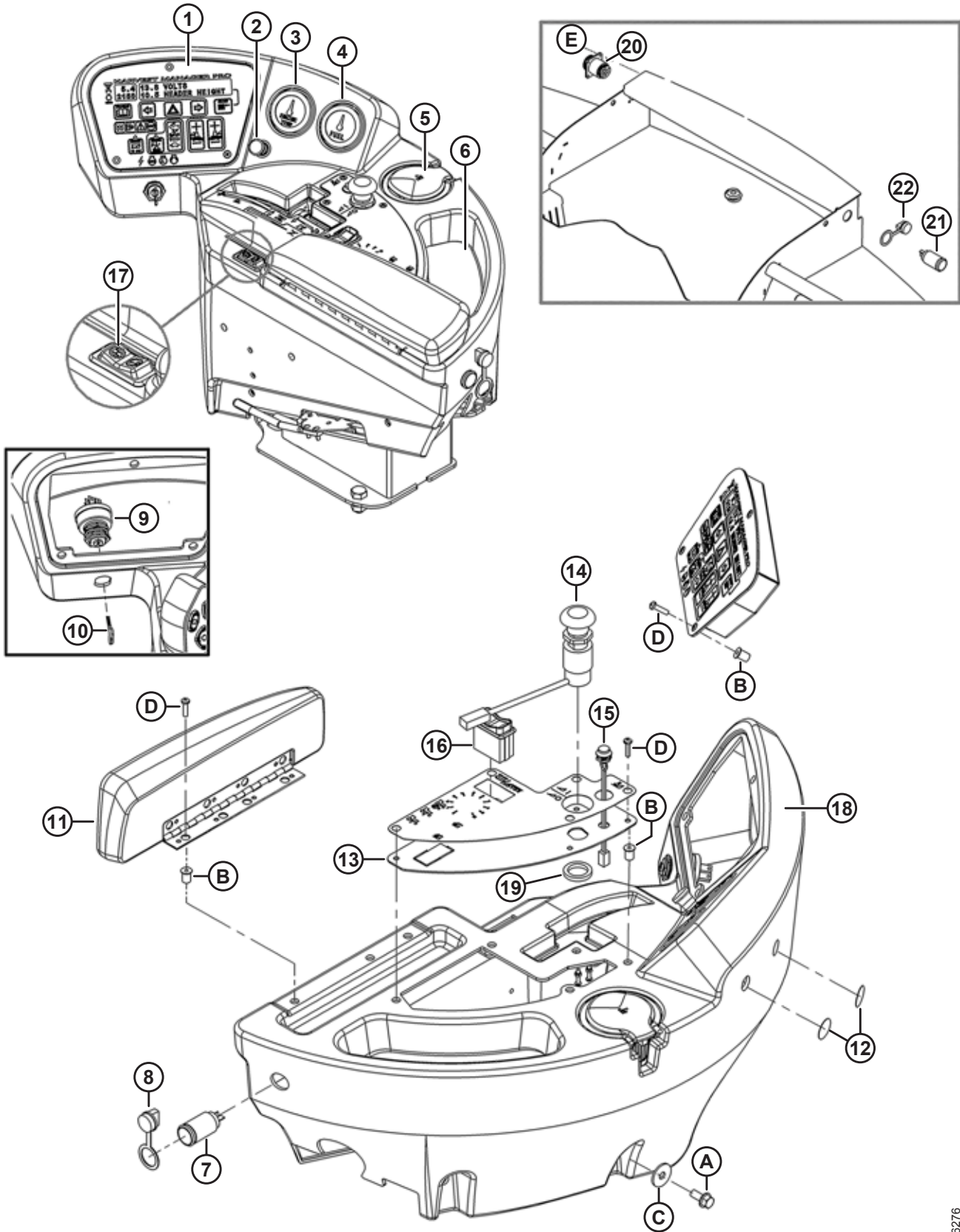
Ref	Part Number	Description	Qty	Serial Number
1	111852	MODULE – CDM ASSEMBLY ⁸¹	1	
2	42447	LIGHTER – CIGARETTE	1	
3	109457	GAUGE – ENGINE TEMP	1	
4	109456	GAUGE – FUEL	1	
5	109627	ASHTRAY	1	
6	109742	PAD – STORAGE BIN	1	
7	109080	TERMINAL – POWER OUTLET	1	
8	109081	CAP – POWER OUTLET	1	
9	109702	SWITCH – ASSEMBLY ⁸²	1	
10	109701	KEYS – IGNITION SET OF TWO	1	
11	109637	ARMREST ASSEMBLY	1	
12	109826	DECAL – COVER	2	
13	109441	PANEL – SWITCH	1	–174609
	160103	PANEL – SWITCH	1	174610–
14	109505	SWITCH – HEADER ENGAGE	1	
15	109453	SWITCH – PUSH BUTTON	1	
16	109574	SWITCH – ROCKER, ON-OFF-ON	1	
17	109576	SWITCH – ROCKER, ON-NONE-ON (TWO SPEED)	1	
18	109463	PANEL – CONSOLE	1	
19	160107	WASHER – FLAT	1	
20	160281	TERMINAL – DUAL POWER OUTLET ⁸³	1	
21	109080	POWER OUTLET ⁸³	1	
22	109081	CAP ⁸³	1	
A	30278	BOLT – HH FLG SER FACE 5/16 NC X 0.75 GR 5 ZP		
B	109474	NUT – RUBBER 10-32 NF METAL INSERT		
C	103837	WASHER – FLAT		

81. See note at bottom of previous page.

82. Complete with keys.

83. Located at rear cooler as shown.

CONSOLE COMPONENTS



1036276

CONSOLE COMPONENTS

Ref	Part Number	Description	Qty	Serial Number
D	135161	SCREW – MACHINE #10-32 UNF X 0.75 IN		
E	30492	SCREW – PHILIPS PAN HD # 8 X 3/4 LG ZP		

169016

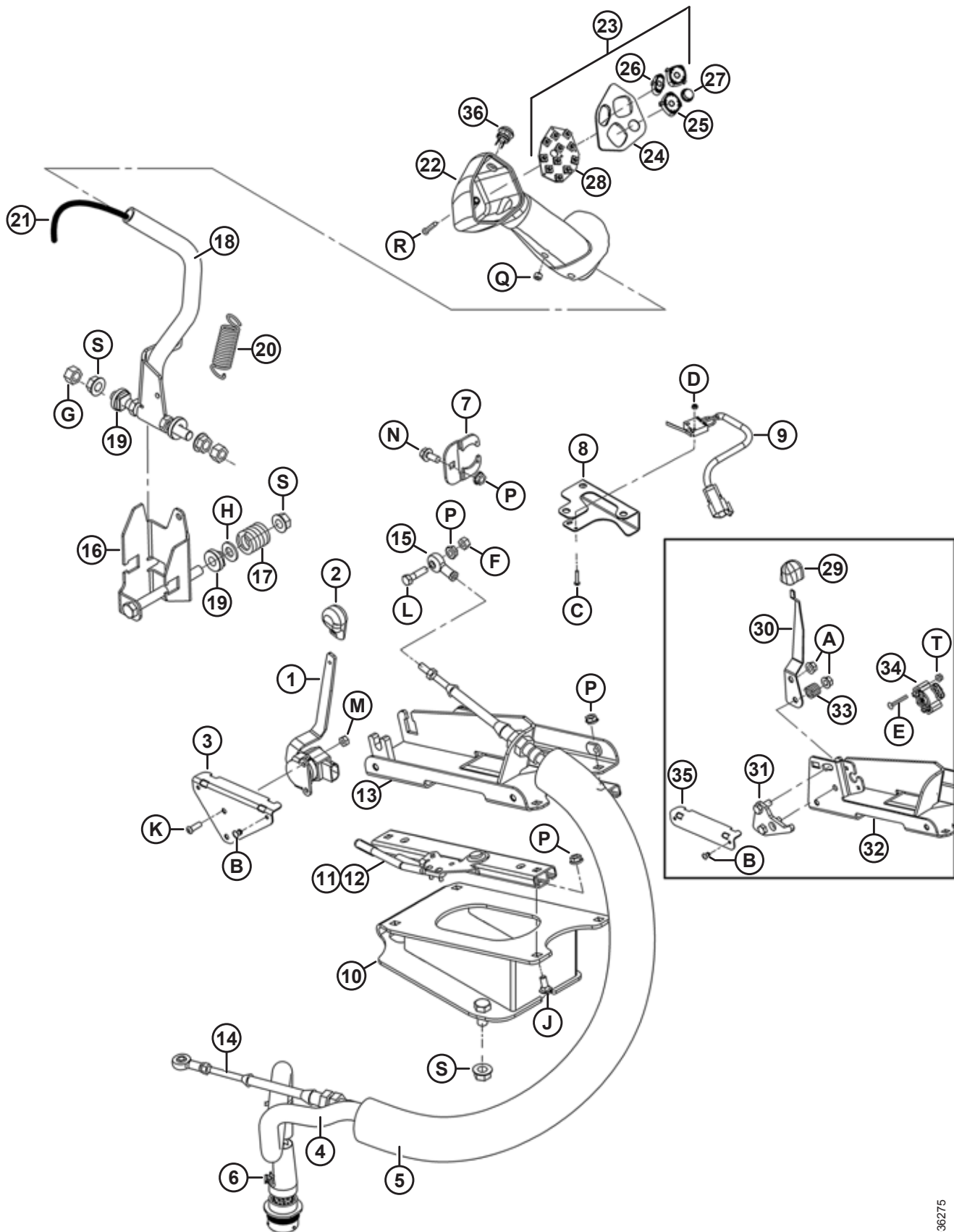


GROUND SPEED LEVER AND CABLE

Ref	Part Number	Description	Qty	Serial Number
1	160199	CONTROL – THROTTLE ⁸⁴	1	179760–
2	160195	KNOB – THROTTLE LEVER	1	179760–
3	160258	SUPPORT – HARNESS	1	179760–
4	109542	HARNESS – CONSOLE	1	
5	109714	COVER – HARNESS/CABLE	1	
6	111632	SUPPORT – HARNESS	1	
7	109763	CLAMP – DIAGNOSTIC PLUG	1	
8	109442	SUPPORT – PARK SWITCH	1	–174609
	160104	SUPPORT – PARK SWITCH	1	174610–
9	109699	SWITCH – SNAP ACTION	1	
10	109684	SUPPORT – CONSOLE SLIDE, WELDT	1	
11	109690	RAIL – SLIDE, W/ RELEASE	1	
12	109691	RAIL – SLIDE, W/O RELEASE	1	
13	160278	SUPPORT – SPEED LEVER, WELDT	1	179760–
14	109688	CABLE – PUSH PULL	1	
15	109312	JOINT – BALL, 5/16 IN FEMALE	2	
16	109706	CHANNEL – SPEED LEVER, WELDT	1	
17	28700	SPRING – COMPRESSION	1	
18	109335	LEVER – SPEED WELDT	1	
19	109750	BUSHING – PLASTIC	3	
20	25321	SPRING – EXTENSION	1	
21	166181	HARNESS – SPEED LEVER	1	
22	160388	HANDLE – SPEED CONTROL	1	
23	109454	PLATE – FACE ASSEMBLY	1	
24	109452	PLATE –SPEED STICK FACE	1	
25	109486	KNOB – 4 WAY SWITCH	2	
26	109487	KNOB – 2 WAY SWITCH	1	
27	109488	KNOB – 1 WAY SWITCH	1	
28	NSS	ASSEMBLY – CIRCUIT BOARD	1	
29	109727	KNOB – THROTTLE LEVER	1	–179759

84. Complete with knob (MD #160195).

GROUND SPEED LEVER AND CABLE

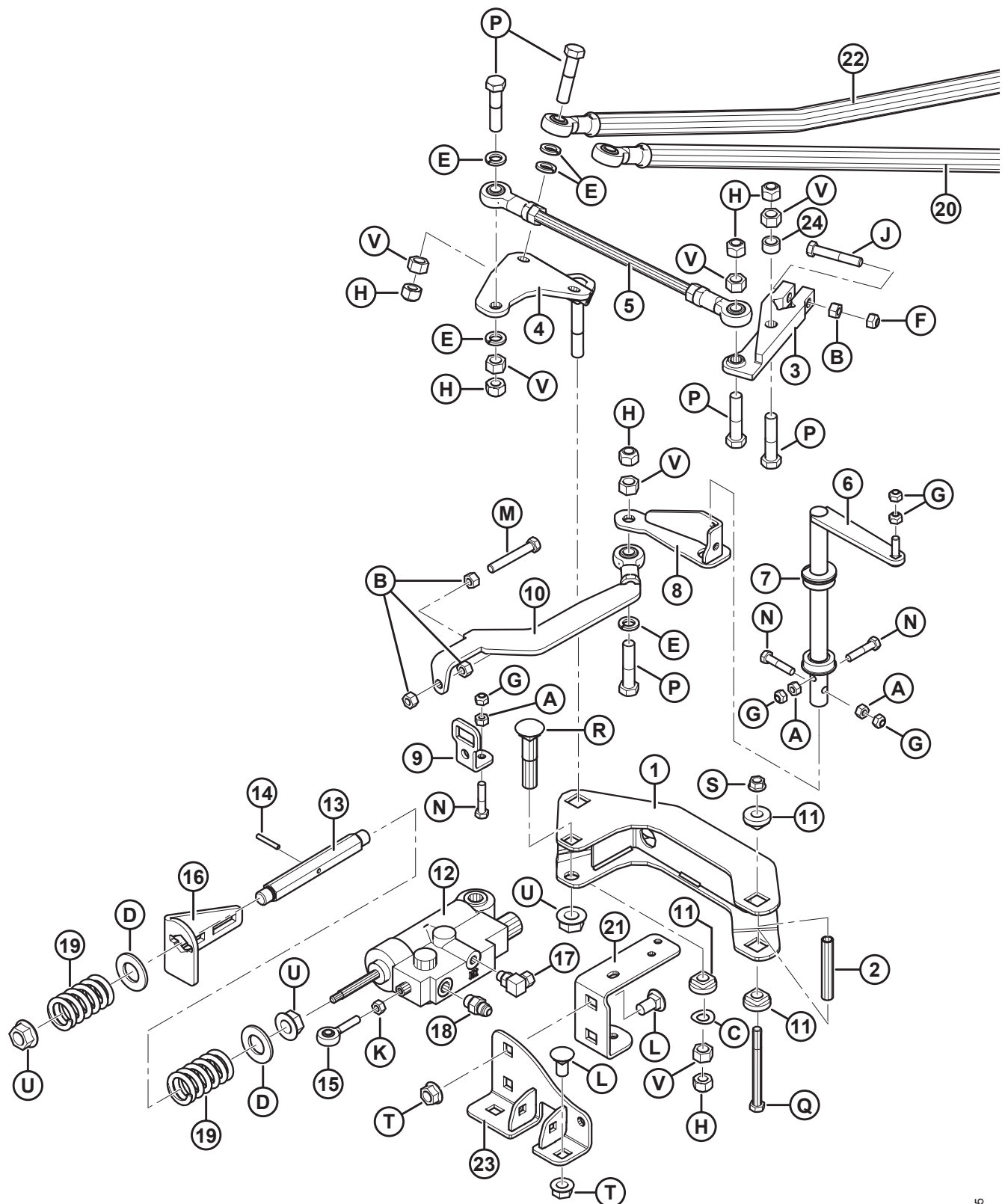


1036275

GROUND SPEED LEVER AND CABLE

Ref	Part Number	Description	Qty	Serial Number
30	109725	LEVER – THROTTLE	1	–179759
31	109726	LEVER – THROTTLE, WELDT	1	–179759
32	109681	SUPPORT – SPEED LEVER, WELDT	1	–179759
33	109779	SPRING – COMPRESSION	1	–179759
34	109904	SENSOR – ROTARY	1	–179759
35	109907	SUPPORT – HARNESS	1	–179759
36	173164	SWITCH – PUSH BUTTON (AUTO STEER)	1	
A	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
B	113799	RIVET – POP		
C	135158	SCREW – PAN HD #6-32 X 3/4 LG		
D	135159	NUT – NYLOC		
E	21487	BOLT – RHSN #10-24 NC X1.5 IN L		
F	18589	NUT – HEX 5/16-18 UNC GR 5 ZP		
G	18591	NUT – HEX 1/2-13 UNC GR 5 ZP		
H	18599	WASHER – SAE FLAT 17/32 ID X 1 1/16 IN OD ZP		
J	21281	BOLT – RHSN 5/16 NC X 0.75 GR 5 ZP		
K	123084	SCREW – HEX SOCK BT HD .250-20 UNC X .75 IN L		
L	21526	BOLT – HH 5/16 NC X 1.25 LG GR 5 ZP		
M	18588	NUT – HEX 1/4-20 UNC ZN PL GR 5		
N	30278	BOLT – HH FLG (SER FACE) 5/16 NC X 0.75 GR 5 ZP		
P	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
Q	30872	SCREW-SET HEX SOC CUP PT 5/16 NC X 1/4 L		
R	45868	SCREW – PHIL FL CSK HD #8 X 1 ¼ IN LG ZP		
S	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
T	21492	NUT – FLG (SER FACE) #10 NC GR 5 ZPT		

42 Steering and Ground Speed Control (Under Cab)

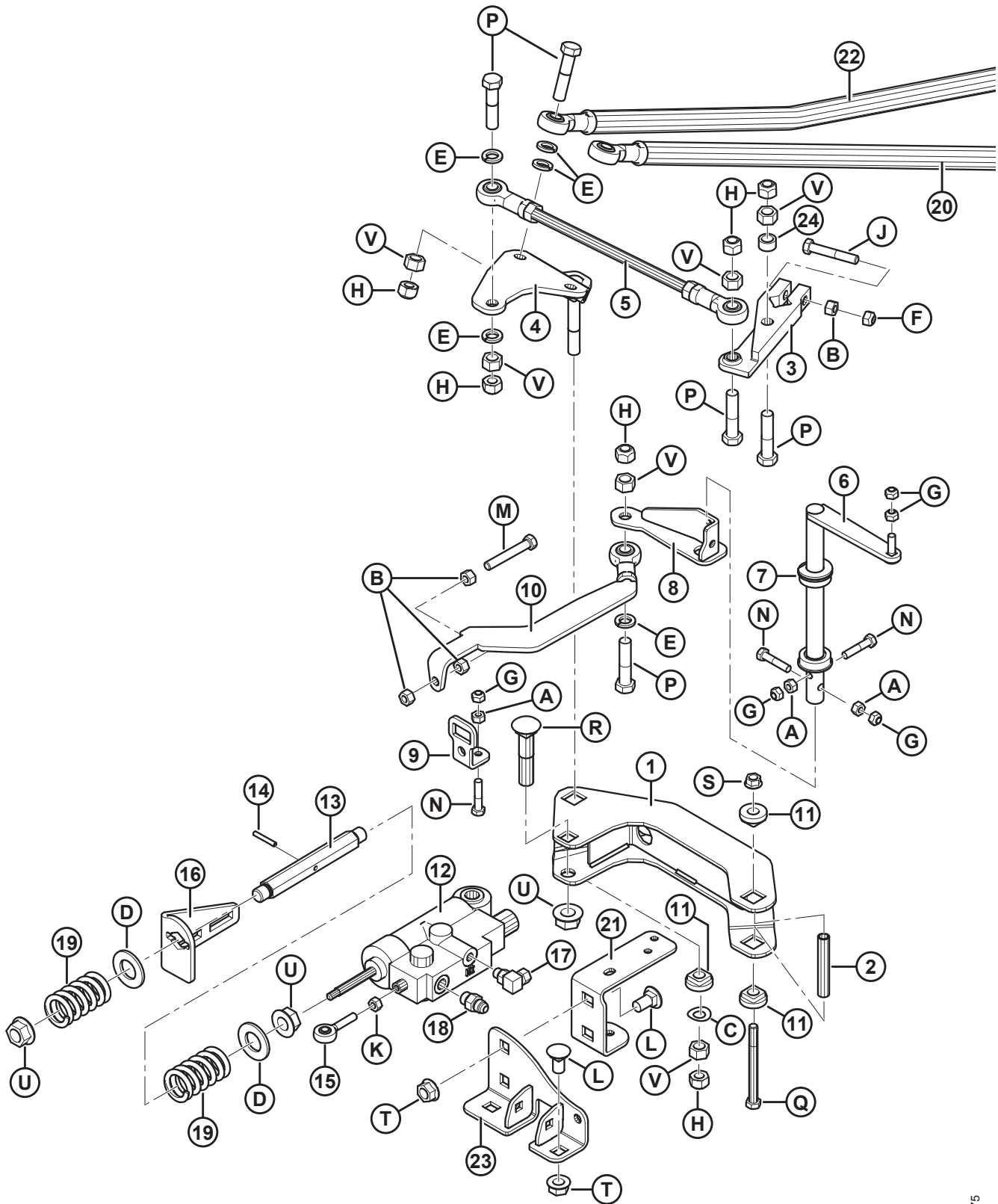


STEERING AND GROUND SPEED CONTROL (UNDER CAB)

Ref	Part Number	Description	Qty	Serial Number
1	109410	CARRIER ASSEMBLY ⁸⁵	1	
2	109422	SPACER – TUBE	1	
3	109402	ARM – STEERING	1	–207009
	138191	ARM – STEERING	1	207010–
4	109417	PIVOT – PINTLE	1	–207009
	138335	PIVOT – PINTLE	1	207010–
5	109414	LINK – LOWER, (FLAT BAR DESIGN)	2	–207009
	139381	ROD – STEERING LINK	1	207010–
6	109407	SHAFT – SPEED	1	
7	109818	BEARING	2	
8	109398	ARM – SPEED	1	–207009
	138036	ARM – SPEED	1	207010–
9	109814	ANGLE – SERVO INPUT	1	
10	109399	LINK – VALVE CONTROL	1	–207009
	138033	LINK – VALVE CONTROL	1	207010–
11	109750	BUSHING – PLASTIC	4	
12	183913	VALVE – SERVO CONTROL	1	
	111990	SEAL KIT	1	
13	109809	SHAFT – SERVO	1	
14	13617	PIN – SPRING 3/16 DIA X 1.25 LG	1	
15	109313	JOINT – BALL, 5/16 IN. MALE	1	
16	109662	SUPPORT – SERVO	1	
17	112184	FITTING – ADAPTER HYD	1	
18	112997	VALVE CHECK – HYD	1	
19	109807	SPRING – COMPRESSION	2	
20	183940	ROD – LH STEERING WELDT 4 CYL (M150)	1	
	183967	ROD – LH STEERING WELDT 6 CYL (M200)	1	
21	109425	SUPPORT – PIVOT	1	
22	183939	ROD – RH STEERING WELDT 4 CYL (M150)	1	
	183969	ROD – RH STEERING WELDT 6 CYL (M200)	1	

85. Includes four bushings (MD #109750).

STEERING AND GROUND SPEED CONTROL (UNDER CAB)

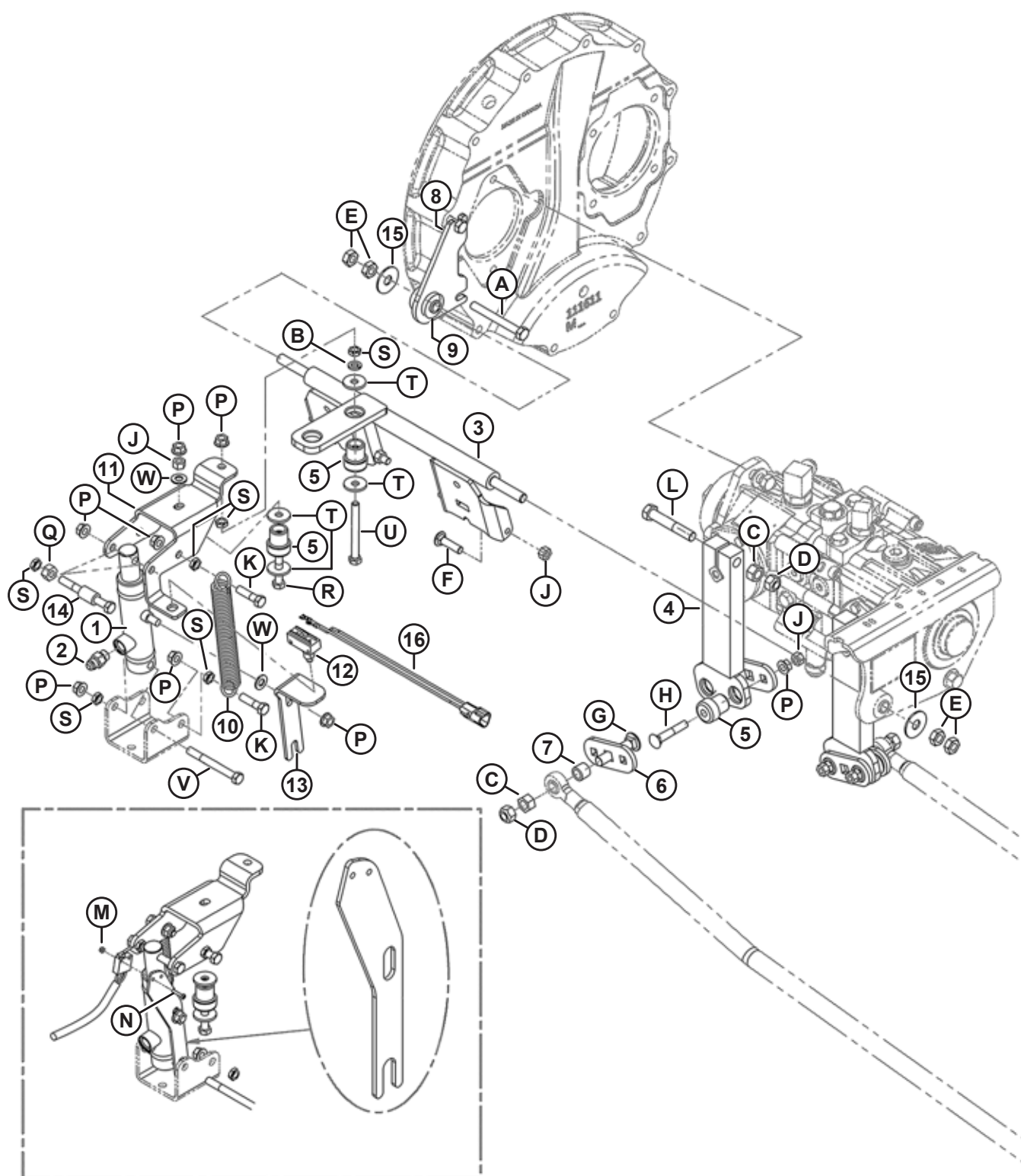


1004975

STEERING AND GROUND SPEED CONTROL (UNDER CAB)

Ref	Part Number	Description	Qty	Serial Number
23	162339	SUPPORT – STEERING WELDMENT	1	
24	14294	SPACER – TUBE	1	207010–
A	18589	NUT – HEX 5/16-18 UNC GR 5 ZP		
B	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
C	135640	WASHER – CURVED SPRING – S.S.		
D	18602	WASHER – SAE FLAT 15/16 ID X 1.75 IN OD ZP		
E	18638	WASHER – REG LOCK 1/2 IN NOM ID ZP		
F	18669	NUT – HEX LOCK DT 3/8-16 UNC ZP		
G	18690	NUT – HEX LOCK DT 5/16-18 UNC ZP		
H	18697	NUT – HEX LOCK DT .500-13 UNC		
J	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
K	20214	NUT – HEX 5/16-24 UNF GR 5 ZP		
L	21066	BOLT – RHSN 1/2 NC X 1 GR 5 ZP		
M	21262	BOLT – HH 3/8 NC X 2.5 TFL GR 5 ZP		
N	21268	BOLT – HH 5/16 NC X 1.5 LG GR 5 ZP		
P	21578	BOLT – HH 1/2 NC X 2.0 LG GR 5 ZP		
Q	21593	BOLT – HH 3/8 NC X 4.0 LG GR 5 ZP		
R	21762	BOLT – RHSSN 5/8 NC X 3.0 LG GR 5 ZP		
S	30228	NUT – FLG DT SMTH FACE 0.375-16 UNC		
T	50186	NUT – FLG LOCK SM FACE DT 0.500-13 UNC GR5		
U	50225	NUT – FLG DT SMTH FACE .625-11 UNC		
V	18591	NUT – HEX 1/2 NC GR 5 ZP		
W	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
X	18636	WASHER – REG LOCK, 5/16 IN NOM ID ZP		

43 Neutral Interlock and Pintle Arms (M150)

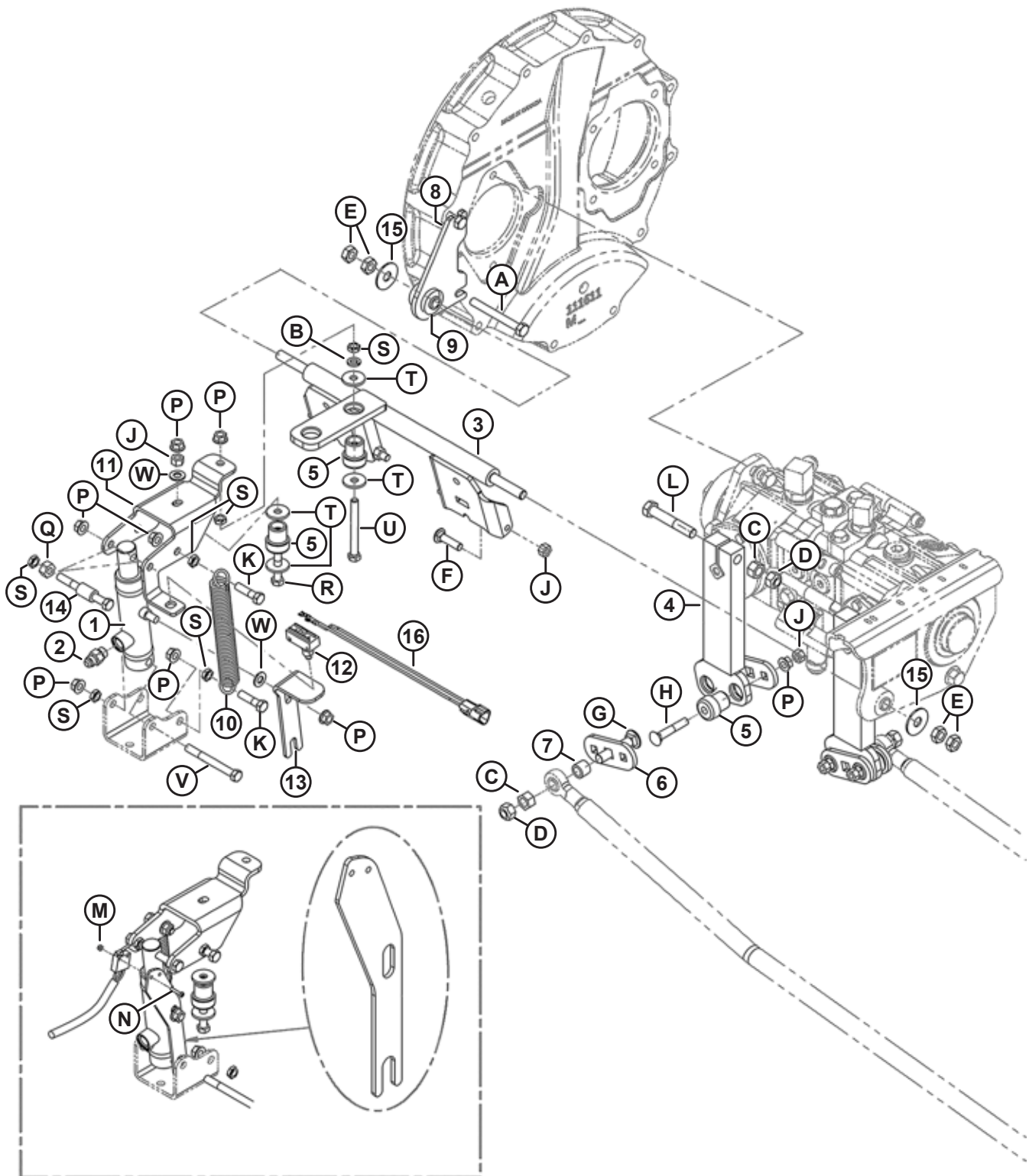


NEUTRAL INTERLOCK AND PINTLE ARMS (M150)

Ref	Part Number	Description	Qty	Serial Number
1	111599	CYLINDER – NEUTRAL INTERLOCK	1	
2	15903	FITTING – CONNECTOR HYD	1	
3	110126	SHAFT – INTERLOCK WELDT	1	
4	110921	ARM – PINTLE WELDT	2	
5	30591	INSULATOR – RUBBER	6	
6	110922	BAR – BUSHING	4	
7	132531	SPACER	2	
8	111811	HANGER – ENGINE INTERLOCK C/W BUSHING	1	
9	50040	BUSHING – RUBBER	1	
10	110977	SPRING – EXT	2	
11	138695	ARM – INTERLOCK TO CYLINDER ⁸⁶	1	
12	111763	SWITCH – PLUNGER LIMIT ⁸⁶	1	
13	138634	PLATE – PINTLE SWITCH ⁸⁶	1	
14	163469	HOSE – SPACER	1	
15	32247	WASHER – FLAT	2	
16	139119	HARNESS – PINTLE INTERLOCK SWITCH ⁸⁶	1	
A	30682	BOLT – HH M10 X 1.5 X 90 LG ZP		
B	18637	WASHER – REG. LOCK 3/8 IN. NOM. ID ZP		
C	18591	NUT – HEX 1/2 - 13 UNC GR 5 ZP		
D	18697	NUT – HEX LOCK DT .500-13 UNC		
E	137727	NUT – HEX JAM DT 1/2-13 UNC GR 5 ZP		
F	50148	BOLT – RHSN 3/8 NC X 1.5 LG GR 5 ZP		
G	21489	BOLT – RHSN 1/2 NC X 2.5 LG GR 5 ZP		
H	21485	BOLT – RHSN 3/8 NC X 2.25 LG GR 5 ZP		
J	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
K	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
L	135542	BOLT – HH 1/2 NC X 3.00 LG GR 8 ZP		
M	135159	NUT – NYLOC		
N	135158	SCREW – PAN HEAD # 6-32 X 3/4 LG		

86. For units built in the first production run of 2011 or prior with the snap action neutral switch installed, if replacing switch, switch mounting plate, or cylinder arm, it will be necessary to order all four items—#11, 12, 13, and 16.

NEUTRAL INTERLOCK AND PINTLE ARMS (M150)

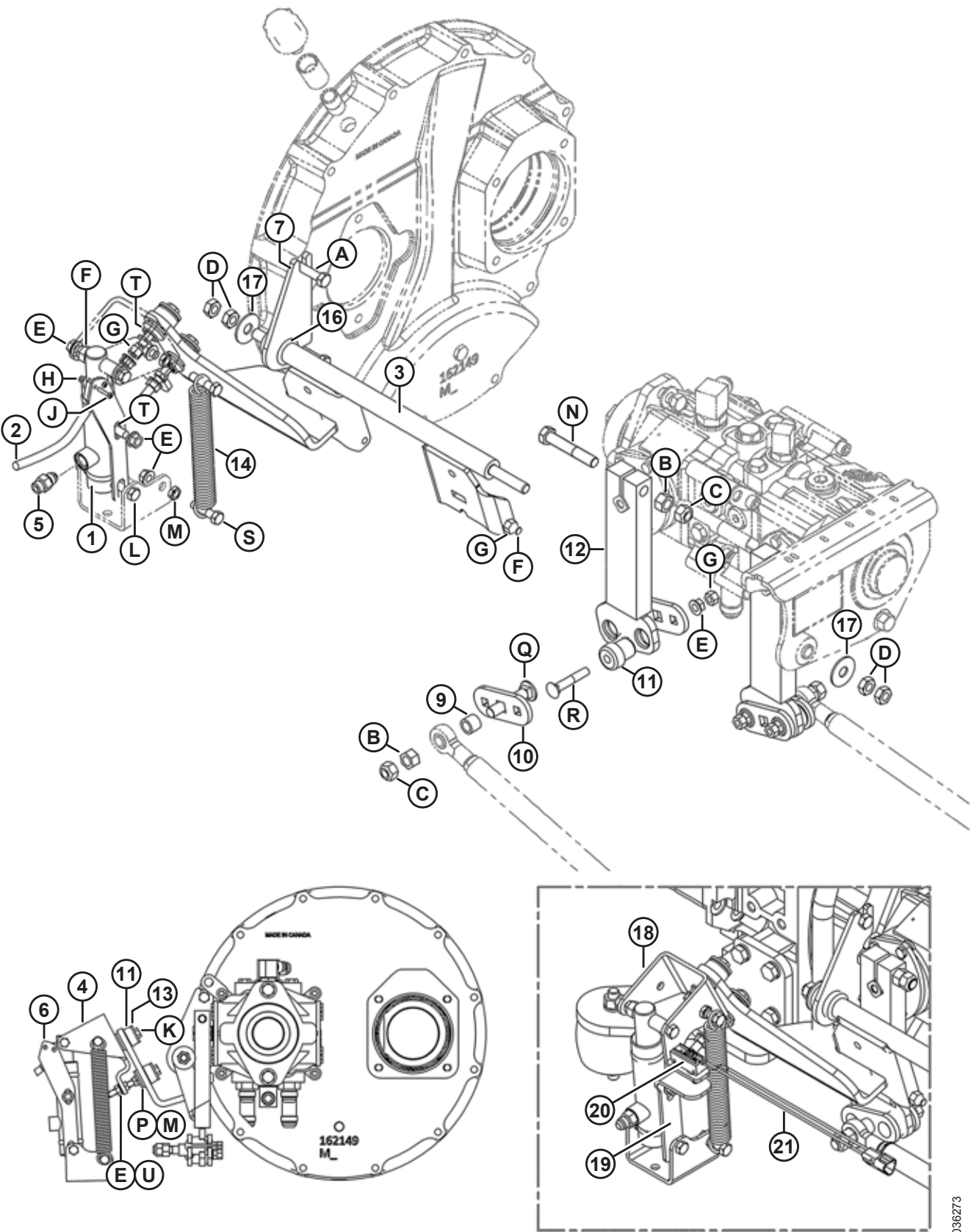


1036272

NEUTRAL INTERLOCK AND PINTLE ARMS (M150)

Ref	Part Number	Description	Qty	Serial Number
P	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
Q	18654	NUT – HEX 7/16 NC		
R	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
S	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
T	118029	WASHER – FLAT		
U	18759	BOLT – HEX HD 3/8 NC X 3.5 TFL GR 5 ZP		
V	21592	BOLT – HH 3/8 NC X 3.5 LG GR 5 ZP		
W	18598	WASHER – FLAT, 13/32 X 13/16 ZP		

44 Neutral Interlock and Pintle Arms (M200)



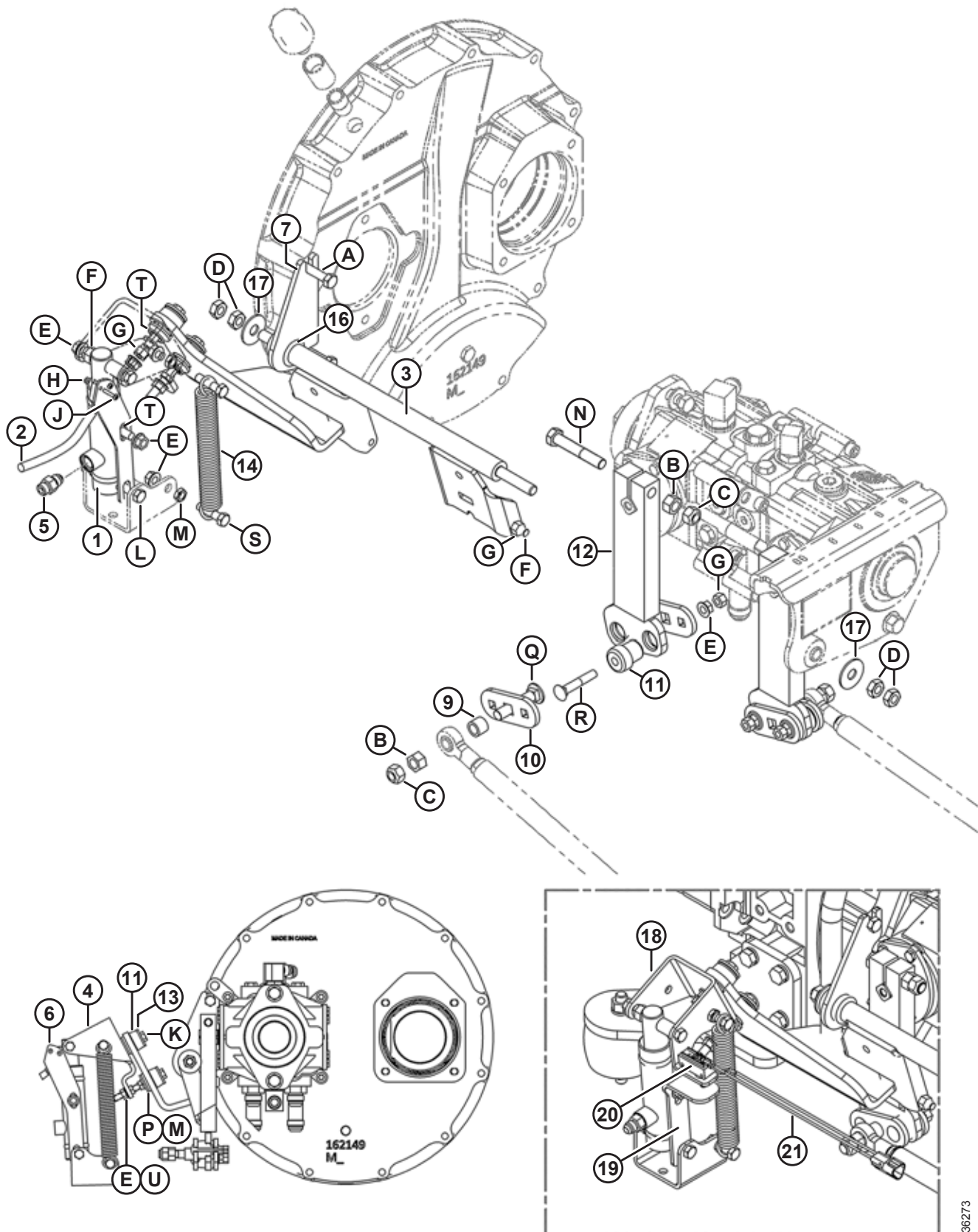
1036273

NEUTRAL INTERLOCK AND PINTLE ARMS (M200)

Ref	Part Number	Description	Qty	Serial Number
1	111599	CYLINDER – NEUTRAL INTERLOCK	1	
2	REF	SWITCH – SNAP ACTION ⁸⁷		
3	138593	PIVOT – INTERLOCK	1	
4	REF	CHANNEL – ARM ⁸⁷		
5	15903	FITTING – CONNECTOR HYD	1	
6	REF	PLATE – SWITCH ⁸⁷		
7	162003	HANGER – ENGINE INTERLOCK C/W BUSHING ⁸⁸	1	
9	132531	SPACER	2	
10	110922	BAR – BUSHING	4	
11	30591	INSULATOR – RUBBER	6	
12	110921	ARM – PINTLE WELDT	2	
13	118029	WASHER – FLAT	4	
14	110977	SPRING – EXT	2	
16	50040	BUSHING – RUBBER	1	
17	32247	WASHER – FLAT	2	
18	138640	CHANNEL – ARM, CYLINDER TO INTERLOCK ⁸⁹	1	
19	138634	PLATE – PINTLE SWITCH ⁸⁹	1	
20	111763	SWITCH – PLUNGER LIMIT ⁸⁹	1	
21	139119	HARNESS – PINTLE INTERLOCK SWITCH ⁸⁹	1	
A	30682	BOLT – HH M10 X 1.5 X 90 LG ZP		
B	18591	NUT – HEX 1/2 - 13 UNC GR 5 ZP		
C	18697	NUT – HEX LOCK DT .500-13 UNC		
D	137727	NUT – HEX JAM DT 1/2-13 UNC GR 5 ZP		
E	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
F	50148	BOLT – RHSN 3/8 NC X 1.5 TFL GR 5 ZP		
G	18590	NUT – HEX 3/8-16 UNC GR 5 ZP		
H	135159	NUT – NYLOC		
J	135158	SCREW – PAN HEAD # 6-32 X 3/4 LG		

87. If replacing switch (item #2), cylinder arm channel (item #4), or switch mounting plate (item #6), you must order all four upgrade items—#18, 19, 20, and 21.
88. Includes rubber bushing (MD #50040).
89. Neutral switch upgrade components.

NEUTRAL INTERLOCK AND PINTLE ARMS (M200)

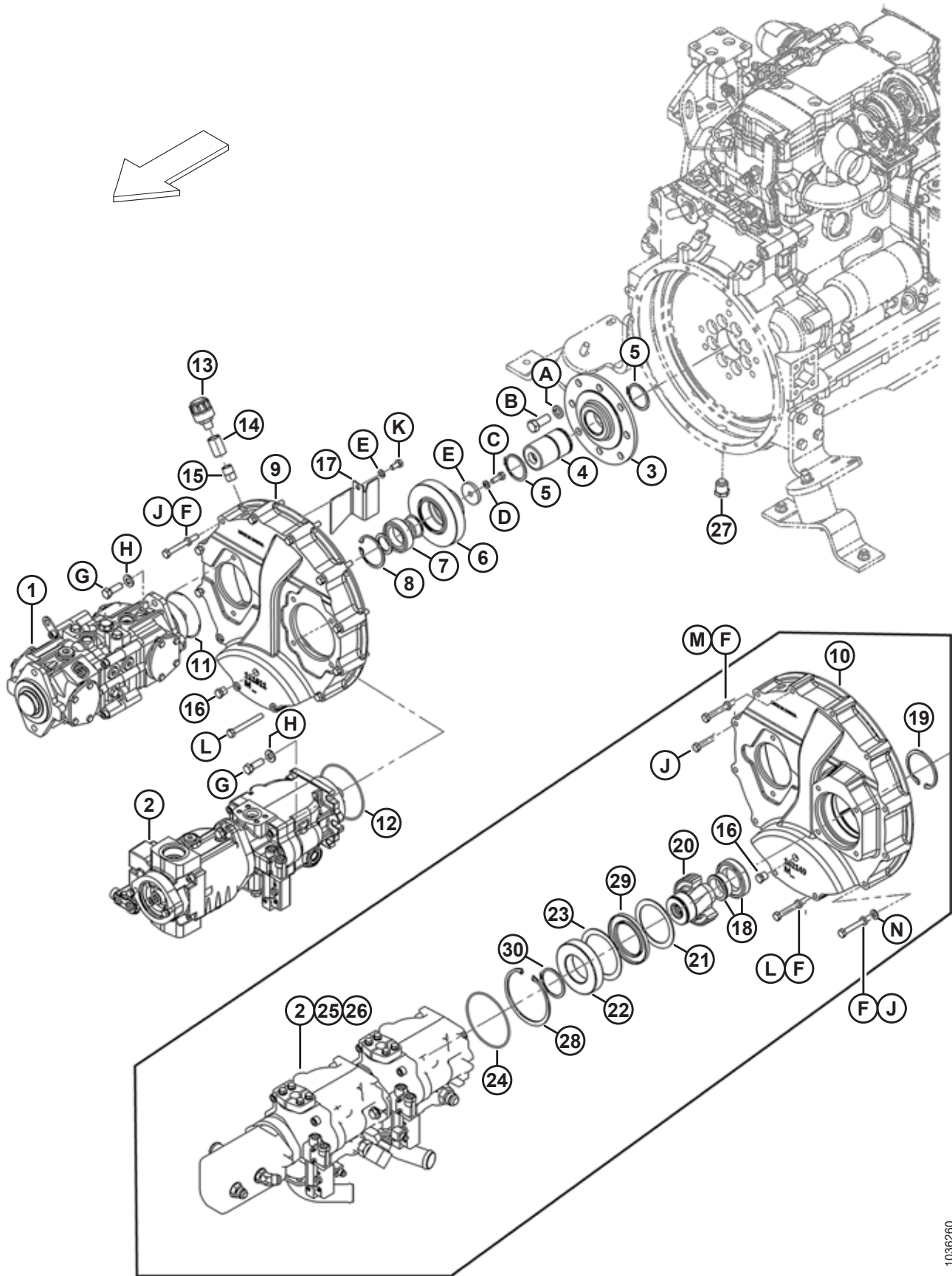


1036273

NEUTRAL INTERLOCK AND PINTLE ARMS (M200)

Ref	Part Number	Description	Qty	Serial Number
K	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
L	21592	BOLT – HH 3/8 NC X 3.5 LG GR 5 ZP		
M	18664	NUT – HEX JAM 3/8-16 UNC GR 5 ZP		
N	135542	BOLT – HH 1/2 NC X 3.0 LG GR 8 ZP		
P	135369	WASHER – HARDENED		
Q	21489	BOLT – RHSN 1/2 NC X 2.5 LG GR 5 ZP		
R	21485	BOLT – RHSN 1/2 NC X 2.5 LG GR 5 ZP		
S	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
T	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		
U	18759	BOLT – HEX HD 3/8 NC X 3.5 TFL GR 5 ZP		

45 Engine Gearbox



1036260

ENGINE GEARBOX

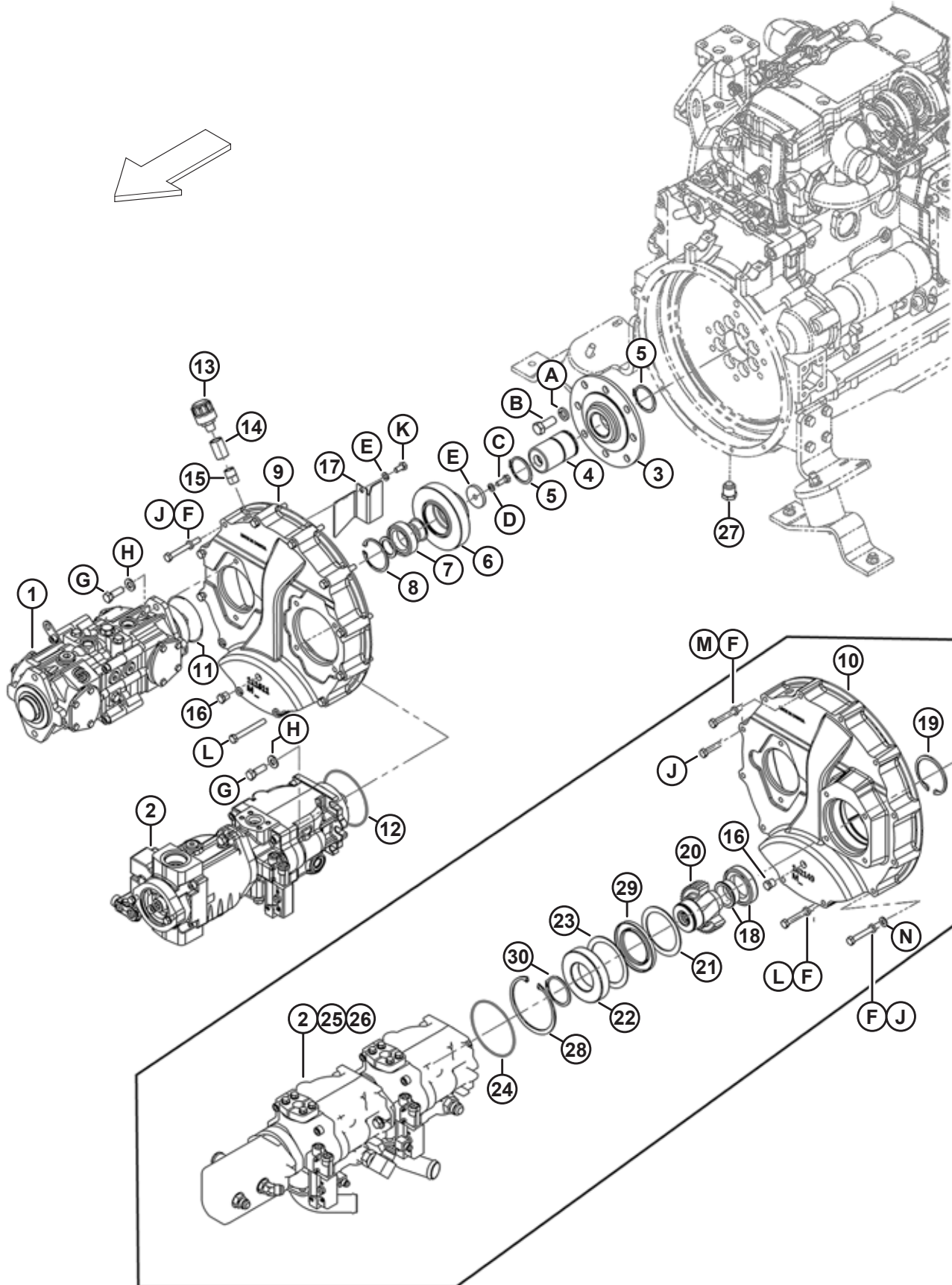
Ref	Part Number	Description	Qty	Serial Number
1	REF	ASSY – TRACTION PUMP ⁹⁰	1	
2	REF	ASSY – HEADER DRIVE PUMP ⁹¹	1	
3	111511	COUPLING – BELL HOUSING	1	
4	111677	COUPLING – SPLINE	1	
5	111521	RING – RETAINING	2	
6	111516	GEAR – CENTER (56T)	1	
7	111665	BEARING – ROLLER ⁹²	1	
8	38854	RING – INT RETAINING	1	
9	111611	COVER – MACHINED (SAE 3) (M150)	1	
10	162149	COVER – MACHINED (SAE 3) (M200)	1	
11	30045	O-RING	1	
12	111546	O-RING – 4.88 IN. ID X Ø0.118	1	
13	111849	PLUG – BREATHER	1	
14	5744	FITTING– CLOSE NIPPLE 1/2 NPT	1	
15	30346	FITTING – COUPLING 1/2 NPT	1	
16	162434	PLUG – HEX HEAD PIPE	1	
17	111612	DEFLECTOR – OIL (CUMMINS) (M150)	1	
	162017	DEFLECTOR – OIL (PERKINS) (M200)	1	
18	135529	BEARING – ROLLER (M200)	1	
19	30882	RING – INT RETAINING (M200)	1	
20	162151	GEAR – HEADER DRIVE 41 TOOTH (M200)	1	
21	162156	SPACER – DISC (M200)	1	
22	135528	BEARING – BALL CYL OD (NO SEALS) (M200)	1	
23	162159	SPACER – DISC (M200)	1	
24	111546	O-RING – 4.88 IN. ID X Ø0.118 (M200)	1	
25	21425	VALVE – RELIEF (M200)	1	
26	21887	FITTING – LUBE (M200)	1	
27	111772	PLUG – MAGNETIC (3/4 NPT)	1	

90. Refer to *46 Traction Drive Pump, page 143* and *47 Traction Drive Pump Repair Parts – 2014 and Prior, page 145*.

91. Refer to *49 Header Drive Pump Assemblies, page 149*, *50 Knife Drive Pump (M150), page 153*, *51 Reel and Conveyor Pump (M150), page 157*, *52 Header Drive Pump – First Tandem (M200), page 159*, and *53 Header Drive Pump – Second Tandem (M200), page 161*.

92. Bearing includes inner race and thrust washer.

ENGINE GEARBOX

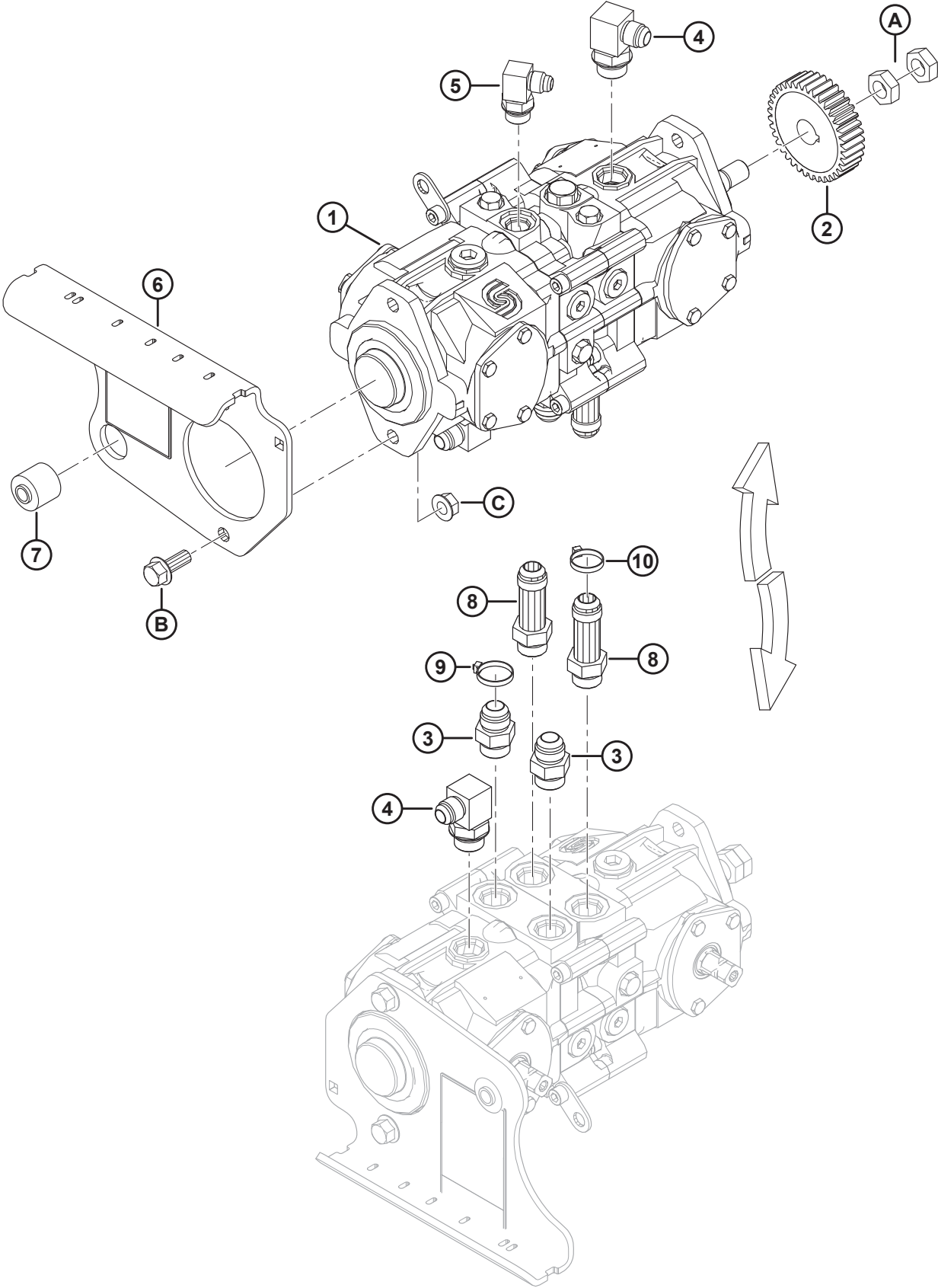


1036260

ENGINE GEARBOX

Ref	Part Number	Description	Qty	Serial Number
28	135616	RING – INT RETAINING (M200)	1	
29	162152	SEAL – VITON (M200)	1	
30	30243	RING – EXT RETAINING (M200)	1	
A	18639	WASHER – REG. LOCK 5/8 IN. NOM. ID ZP		
B	111528	BOLT – HH M16 X 2.0 X 40		
C	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		
D	1246	WASHER – FLAT		
E	18637	WASHER – REG. LOCK 3/8 IN. NOM. ID ZP		
F	30632	WASHER – LOCK SPRING M10 ZP		
G	135460	BOLT – HH 1/2 NC X 1.5 LG L9 ZP		
H	135369	WASHER – HARDENED		
J	30682	BOLT – HH M10 X 1.5 X 90 LG ZP		
K	30963	BOLT – HEX HD 0.375-16UNC X 0.75 BLK		
L	135304	BOLT – HH M10 1.5 X 130 LG ZP		
M	135657	BOLT – HH M10 X 1.5 X 80 ZP		
N	30655	WASHER – HARDENED		

46 Traction Drive Pump

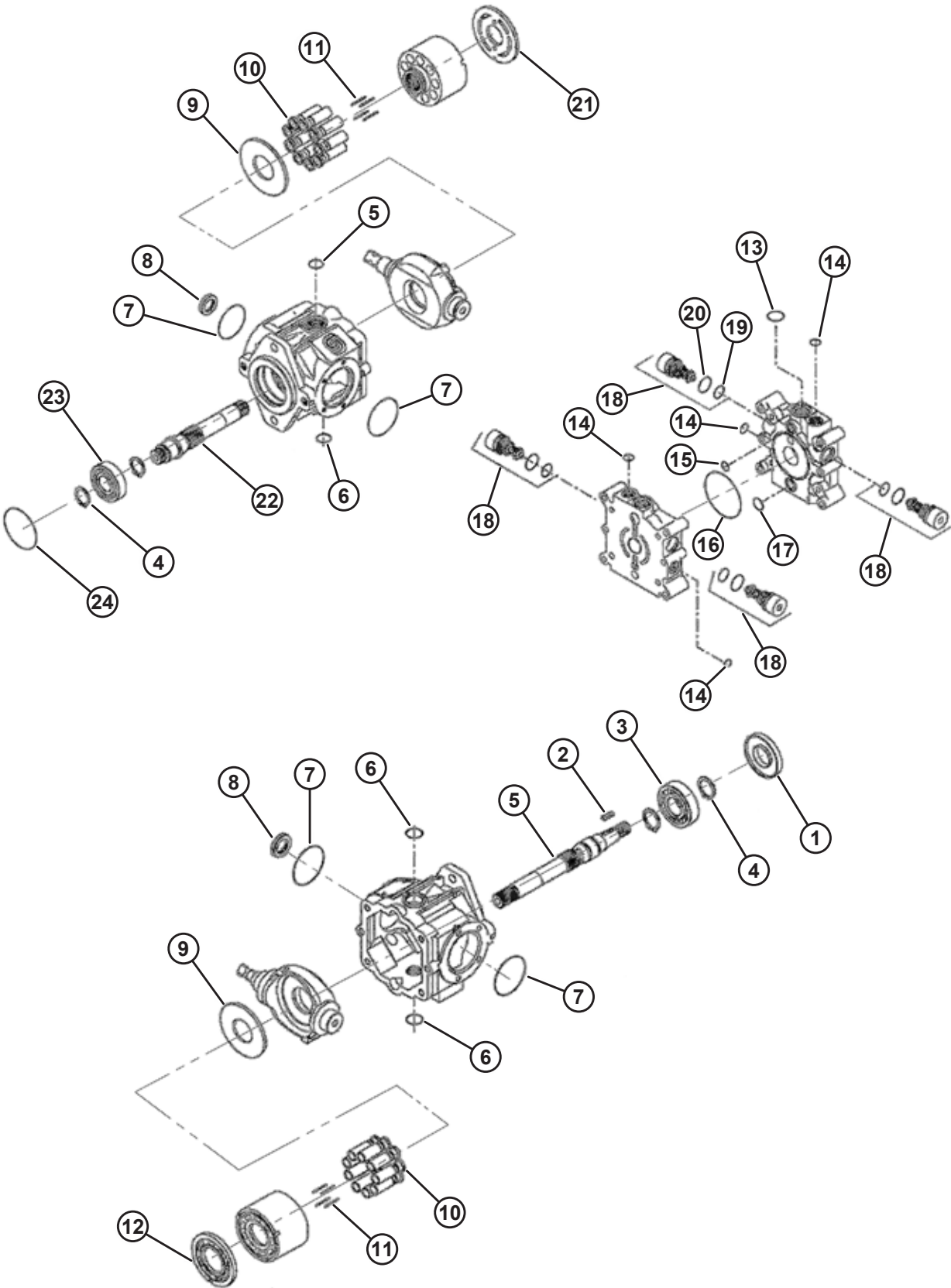


TRACTION DRIVE PUMP

Ref	Part Number	Description	Qty	Serial Number
1	205873	PUMP – TRACTION DRIVE (LOW-HIGH HP)	1	
2	183955	GEAR – PUMP (37T)	1	
3	21830	FITTING – CONNECTOR HYD	2	
4	50221	FITTING – ELBOW 90° HYD	2	
5	21801	FITTING – ELBOW 90° HYD	1	
6	166426	BRACKET – INTERLOCK W/ 2-PANEL DECAL ⁹³	1	
7	50040	BUSHING – RUBBER	1	
8	166150	FITTING – CONNECTOR HYDRAULIC, LONG #12	2	
9	40701	FASTENER – CABLE TIE, YELLOW	1	
10	40702	FASTENER – CABLE TIE, RED	1	
A	7674	NUT – HEX JAM 3/4-16 UNF GR 5 ZP		
B	30368	BOLT – HH FLG (SERR FACE) 1/2 NC X 1.25 GR 5 ZP		
C	50186	NUT – FLANGE LOCK SM FACE DT 0.500-13 UNC GR5		

93. Bracket includes decal (MD #166425) rubber bushing (MD #50040).

47 Traction Drive Pump Repair Parts – 2014 and Prior



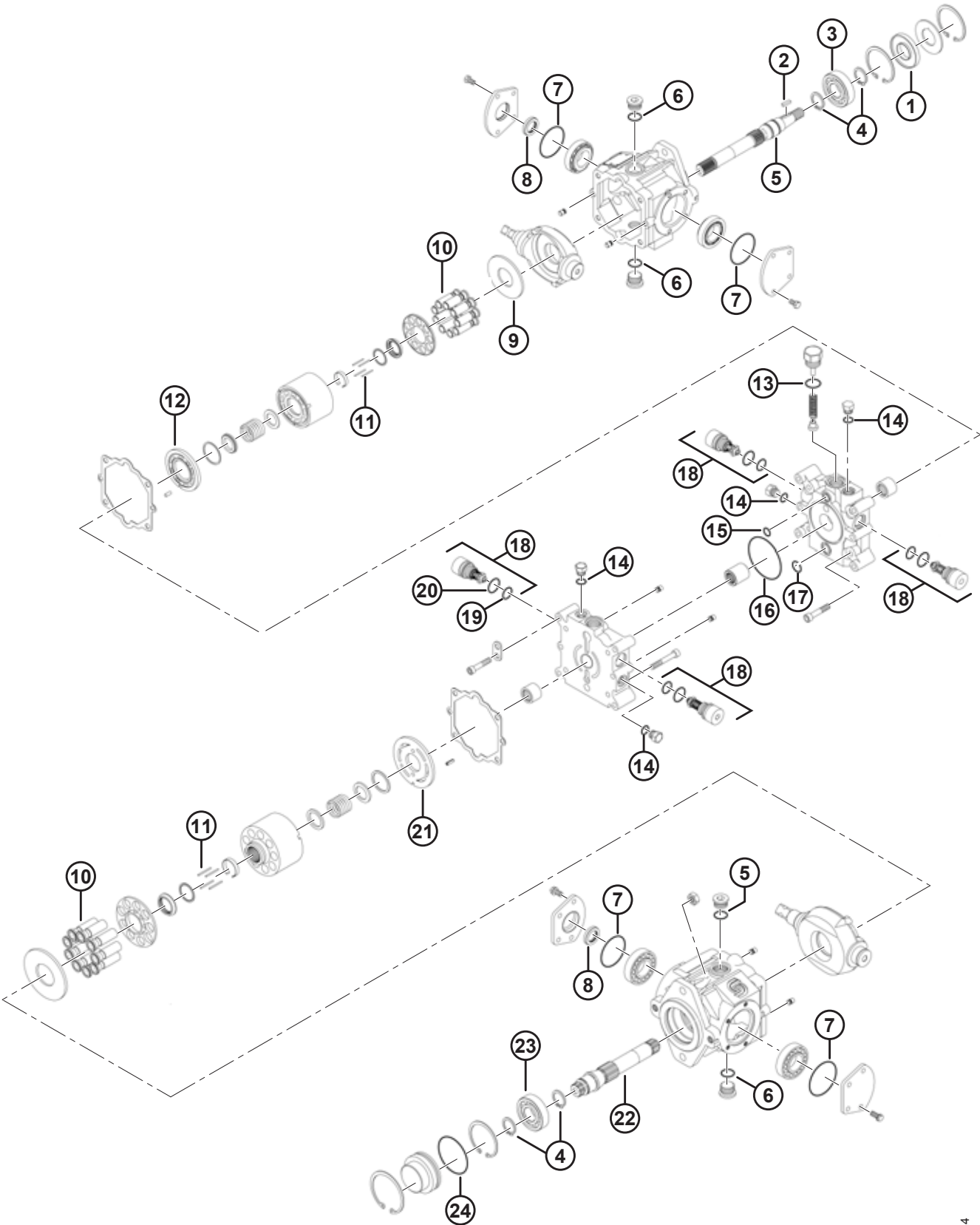
TRACTION DRIVE PUMP REPAIR PARTS – 2014 AND PRIOR

NOTE:

This section contains service parts for traction drive pump MD #110222, which has been superseded by MD #205873. For service parts for traction drive pump MD #205873, refer to Section [48 Traction Drive Pump Repair Parts, page 147](#). All parts illustrated, but not listed, are non-serviced parts, illustrated for reference only.

Ref	Part Number	Description	Qty	Serial Number
	111965	SEAL KIT – OVERHAUL	1	
1	111894	SEAL – LIP	1	
2	111895	KEY	1	
3	111896	BEARING – ROLLER	1	
4	111897	RING – RETAINING	1	
5	111898	SHAFT – FRONT	1	
6	111899	O-RING	1	
7	111900	O-RING	1	
8	111901	SEAL – LIP	1	
9	111902	PLATE – THRUST	1	
10	111903	ASSEMBLY – PISTON	9	
11	111905	PIN – SLIPPER HOLD DOWN	1	
12	111906	PLATE – FRONT VALVE LH	1	
13	111907	O-RING	1	
14	111908	O-RING	1	
15	111909	O-RING	1	
16	111910	O-RING	1	
17	111911	O-RING	1	
18	111912	VALVE – SCR 385 BAR/5580 PSI	1	
19	111913	O-RING	1	
20	111914	O-RING	1	
21	111915	PLATE – REAR VALVE RH	1	
22	111916	SHAFT – REAR	1	
23	111918	BEARING – BALL	1	
24	111919	O-RING	1	

48 Traction Drive Pump Repair Parts



1009024

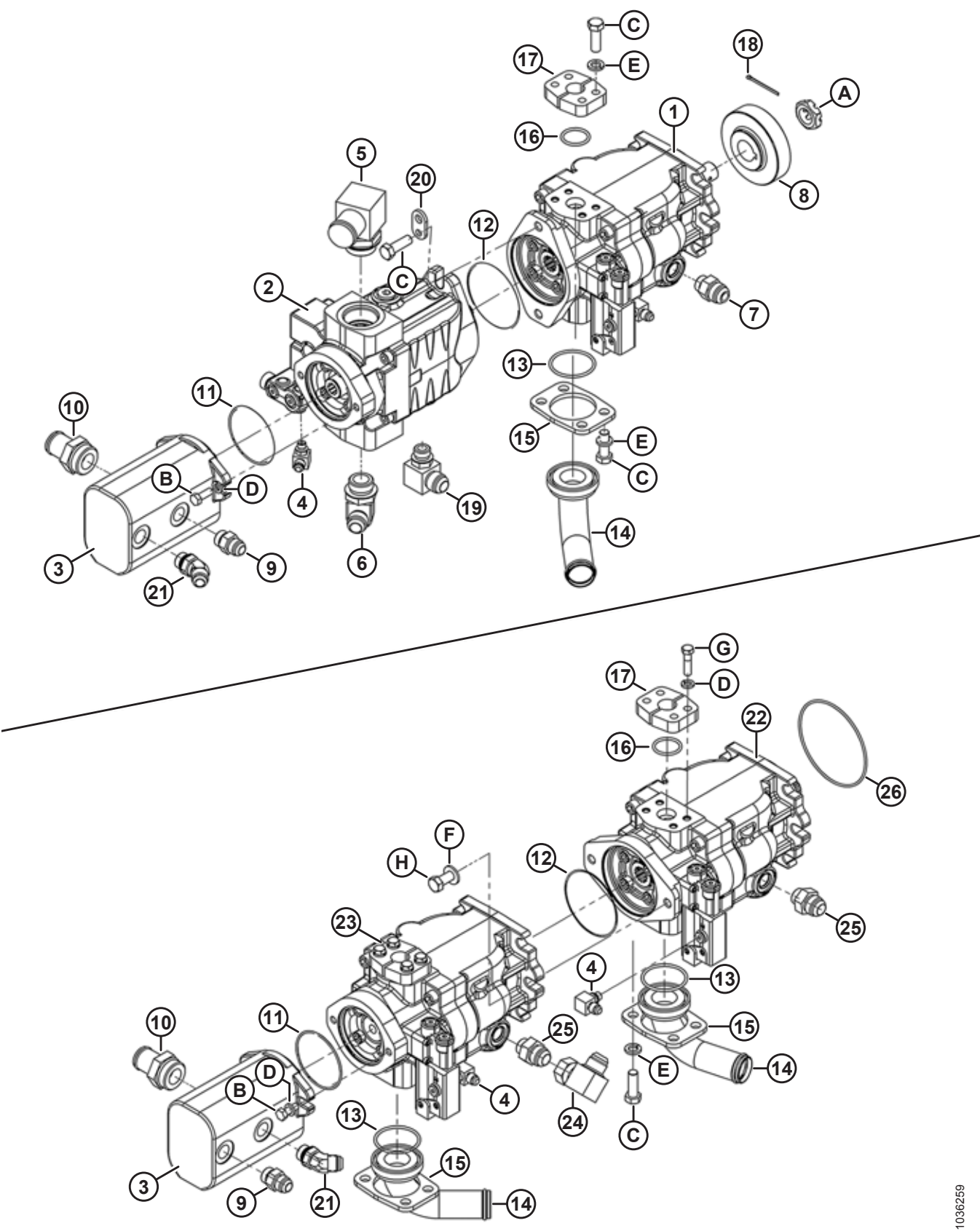
TRACTION DRIVE PUMP REPAIR PARTS

NOTE:

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

Ref	Part Number	Description	Qty	Serial Number
	111965	SEAL KIT – OVERHAUL	1	
1	203048	SEAL – LIP	1	
2	111895	KEY	1	
3	111896	BEARING – ROLLER	1	
4	111897	RING – RETAINING	2	
5	111898	SHAFT – FRONT	1	
6	111899	O-RING	3	
7	111900	O-RING	4	
8	111901	SEAL – LIP	2	
9	111902	PLATE – THRUST	1	
10	111903	ASSEMBLY – PISTON	9	
11	111905	PIN – SLIPPER HOLD DOWN	1	
12	111906	PLATE – FRONT VALVE LH	1	
13	111907	O-RING	1	
14	111908	O-RING	4	
15	111909	O-RING	1	
16	111910	O-RING	1	
17	111911	O-RING	1	
18	111912	VALVE – SCR 385 BAR/5580 PSI	1	
19	111913	O-RING	1	
20	111914	O-RING	1	
21	111915	PLATE – REAR VALVE RH	1	
22	111916	SHAFT – REAR	1	
23	49734	BEARING – BALL	1	
24	111919	O-RING	1	

49 Header Drive Pump Assemblies



HEADER DRIVE PUMP ASSEMBLIES

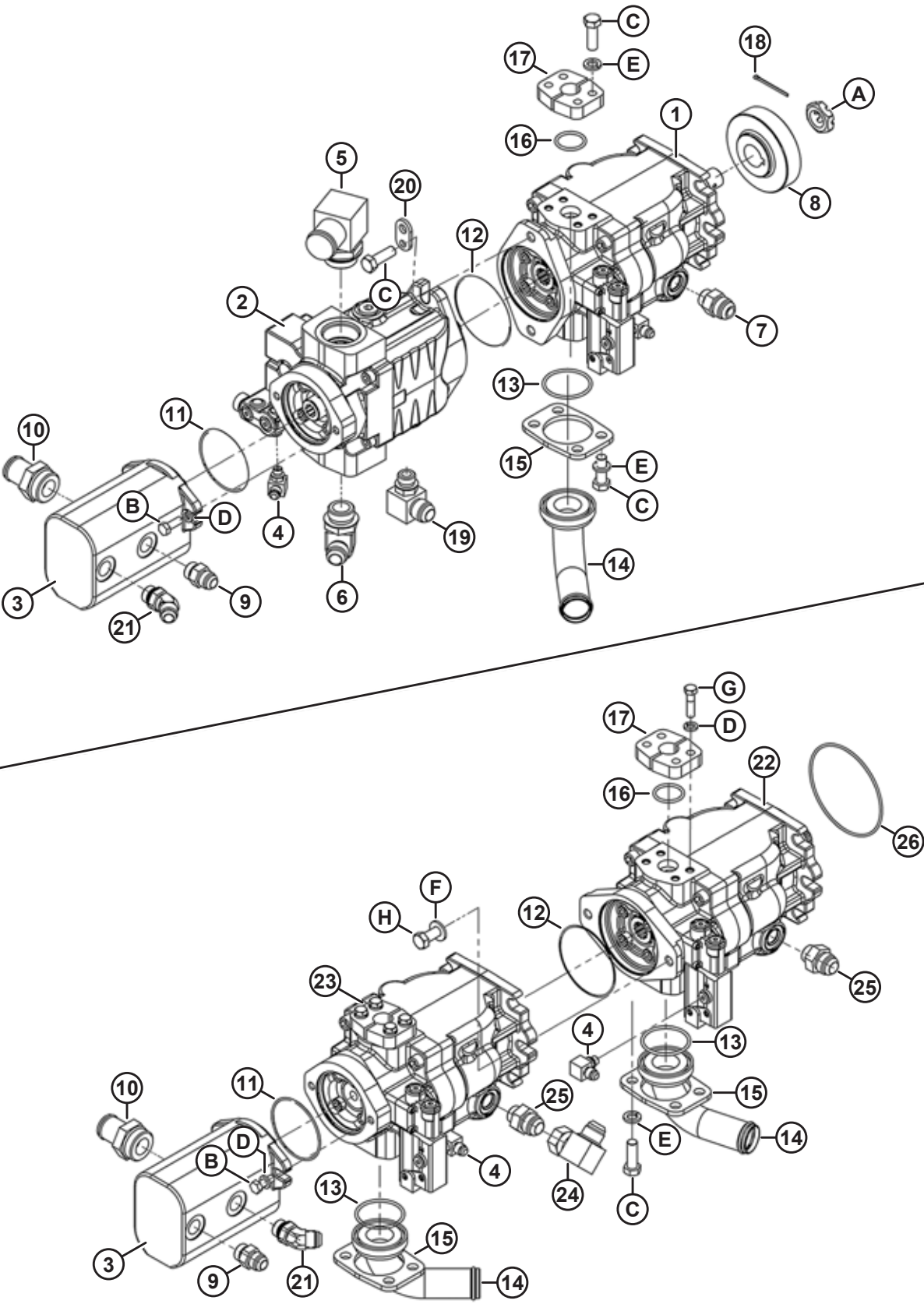
NOTE:

Top illustration shows M150 header drive pump assembly, bottom illustration shows M200 header drive pump assembly.

Ref	Part Number	Description	Qty M150/ M200	Serial Number
1	162169	PUMP – KNIFE DRIVE	1	
2	110980	PUMP – REEL AND CONVEYOR	1	
3	111727	PUMP – TANDEM GEAR, LIFT/SUPERCHARGE	1	
	111988	SEAL KIT – DOUBLE PUMP	1	
	111989	CAPSCREW	8	
4	50104	FITTING – ELBOW 90° HYD	1/2	
5	111545	FITTING – ELBOW 1.5 IN. HOSE-1.625 IN. ADJ ORB	1	
6	108153	FITTING – ELBOW HYD	1	
7	30610	FITTING – CONNECTOR HYD	1	
8	111517	GEAR – HDR PUMP (41T)	1	
9	30695	FITTING – CONNECTOR HYD	1	
10	112854	FITTING – ADAPTER 1.25 IN. HOSE - 1.25 IN. ORB	1	
11	49802	O-RING	1	
12	134056	O-RING	1	
13	112867	O-RING	1/2	
14	112853	ELBOW – 1.5 IN. HOSE - 2 IN. SPLIT FLANGE	1/2	
15	156085	PLATE	1/2	
16	112868	O-RING	1/2	
17	112866	FLANGE – SPLIT - 1 IN. C/W HARDWARE	1/2	
18	21006	PIN – COTTER 1/8 DIA X 2.0 ZP	1	
19	30609	FITTING – ELBOW HYD	1	
20	162104	SUPPORT – PUMP LIFT	1	
21	50103	FITTING – 45° ELBOW	1	
22	166294	PUMP KIT – HEADER DRIVE, 1ST TANDEM (M200), DRIVE SEAL REMOVED ⁹⁴	1	
23	162400	PUMP – HEADER DRIVE 2ND TANDEM (M200)	1	
24	50175	FITTING – ELBOW 90° HYD	1	
25	109987	FITTING – LARGE PORT	2	
26	111546	O-RING – 4.88 IN. I.D. x DIA. 0.118 IN.	1	

94. Includes O-rings (MD #49802, 134056, 112867, 112868, and 111546).

HEADER DRIVE PUMP ASSEMBLIES

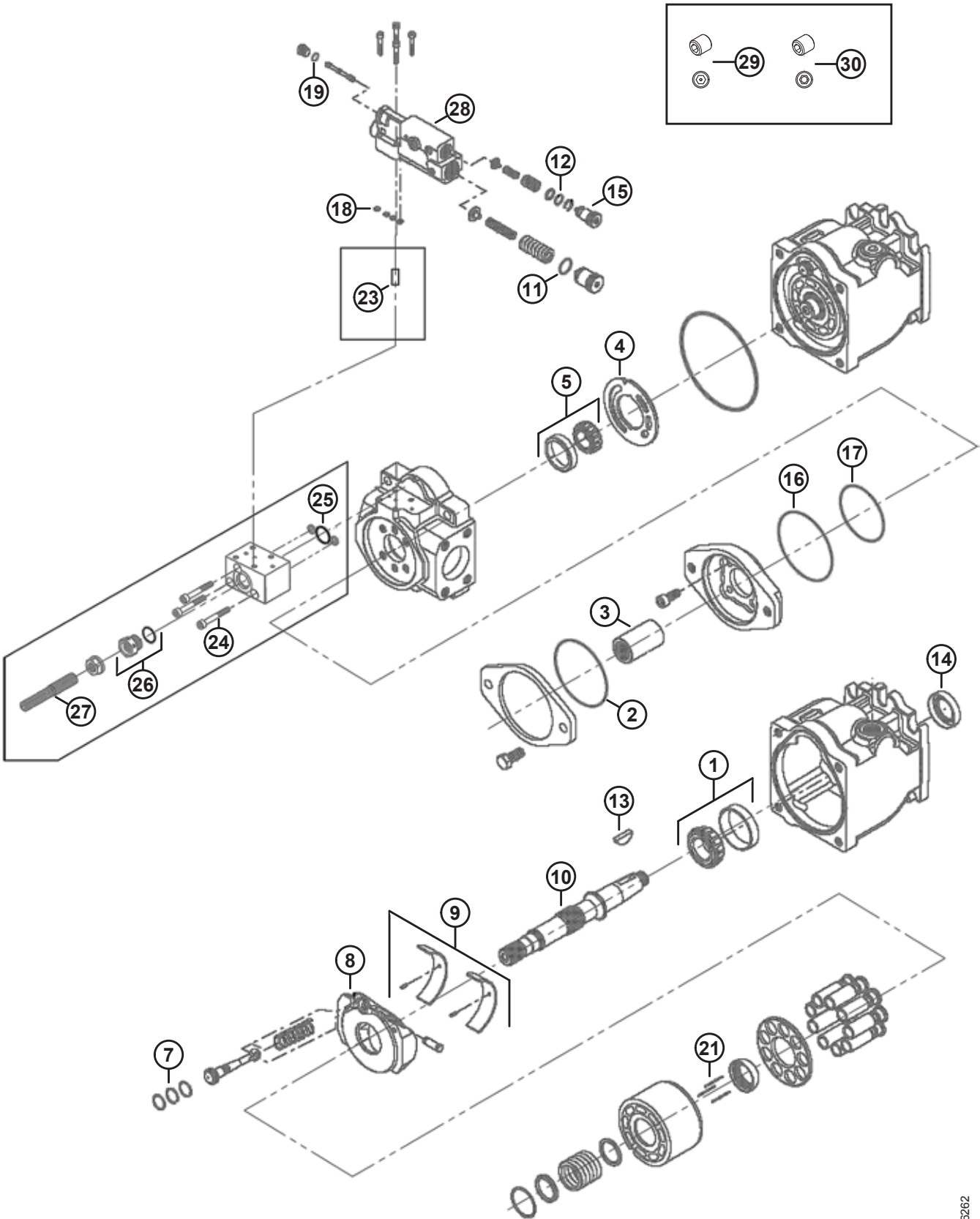


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HEADER DRIVE PUMP ASSEMBLIES

Ref	Part Number	Description	Qty M150/ M200	Serial Number
A	137375	NUT – SLOTTED JAM 1.0 IN - 20 UNEF - ZN PL		
B	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		
C	18723	BOLT – HH 1/2 NC X 1.5 LG GR 5 ZP		
D	18637	WASHER – REG. LOCK 3/8 IN. NOM. ID ZP		
E	18638	WASHER – REG. LOCK 1/2 IN. NOM. ID ZP		
F	135369	WASHER – HARDENED		
G	21561	BOLT – HH 3/8 NC X 1.5 LG GR 5 ZP		
H	21491	BOLT – HH 1/2 NC X 1.25 LG GR 5 ZP		

50 Knife Drive Pump (M150)



KNIFE DRIVE PUMP (M150)

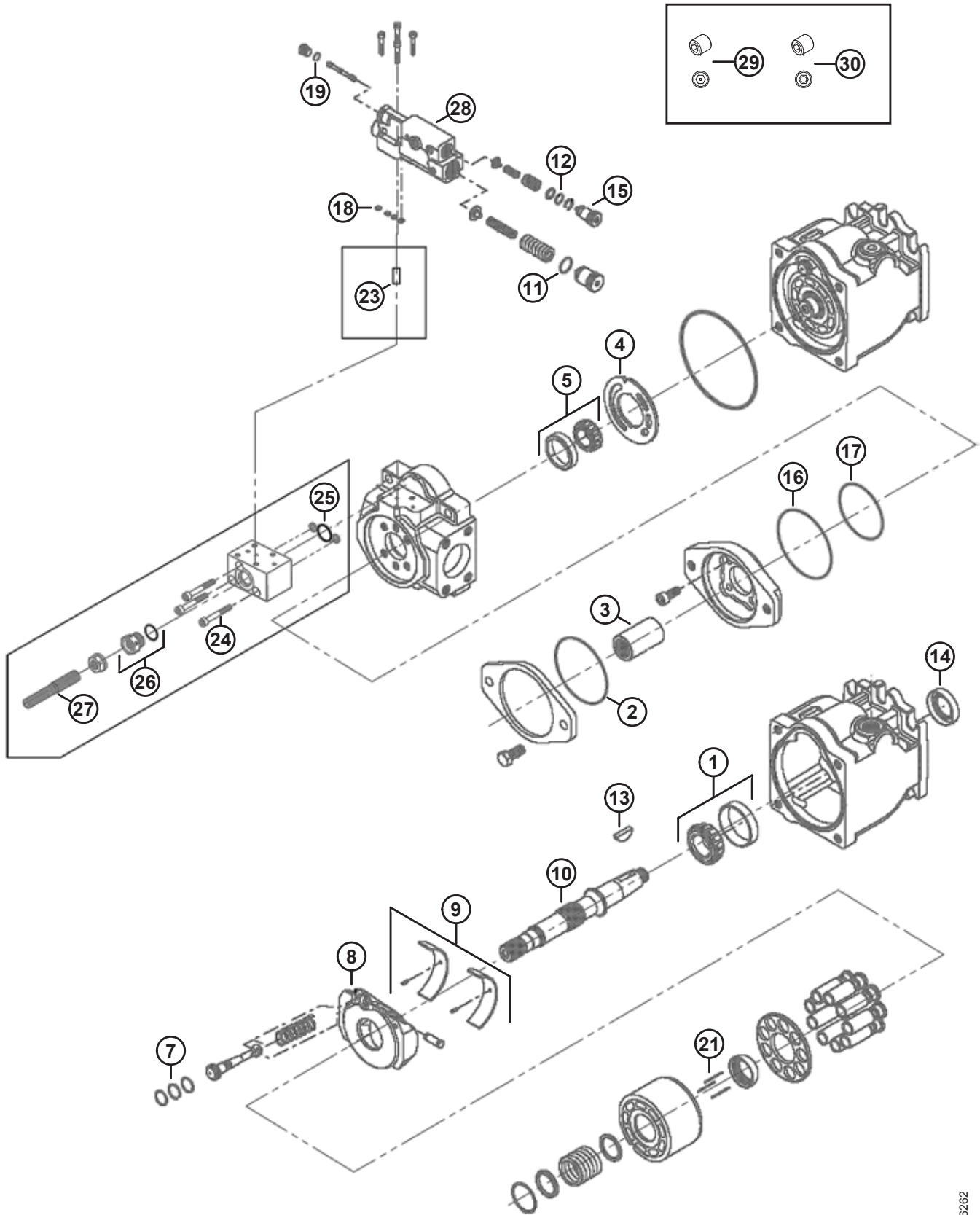
NOTE:

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

Ref	Part Number	Description	Qty	Serial Number
	110979	PUMP – KNIFE DRIVE ⁹⁵	1	–179759
	162169	PUMP – KNIFE DRIVE (PHASE 2)	1	179760–
	111968	SEAL KIT	1	
1	111969	KIT – FRONT BEARING	1	
2	111953	O-RING	1	
3	208757	COUPLING – SHAFT	1	
4	111951	PLATE – VALVE LH	1	–179759
	162300	PLATE – VALVE LH	1	179760–
5	111950	KIT – REAR BEARING	1	
7	111948	RING – PISTON	3	–179759
	162302	RING – PISTON	3	179760–
8	111947	ASSEMBLY – SWASHPLATE	1	–179759
	162299	ASSEMBLY – SWASHPLATE	1	179760–
9	111946	KIT – SWASHPLATE BEARING	1	–179759
	162301	KIT – SWASHPLATE BEARING	1	179760–
10	111945	SHAFT – TAPERED	1	
11	111933	O-RING	1	
12	111932	O-RING	1	
13	111942	KEY	1	
14	111941	SEAL –LIP	1	
15	111931	RING – BACK UP	2	
16	111939	O-RING	1	
17	111938	O-RING	1	
18	111935	SEAL – RING	4	
19	111934	O-RING	1	
21	111927	PIN – SPLITTER HOLD DOWN	3	
23	162216	RESTRICTOR – 0.6 M6 X 6	1	–179759
24	162217	SCREW	3	–179759
25	162218	O-RING	1	–179759

95. For complete unit replacement, order MD #162169.

KNIFE DRIVE PUMP (M150)



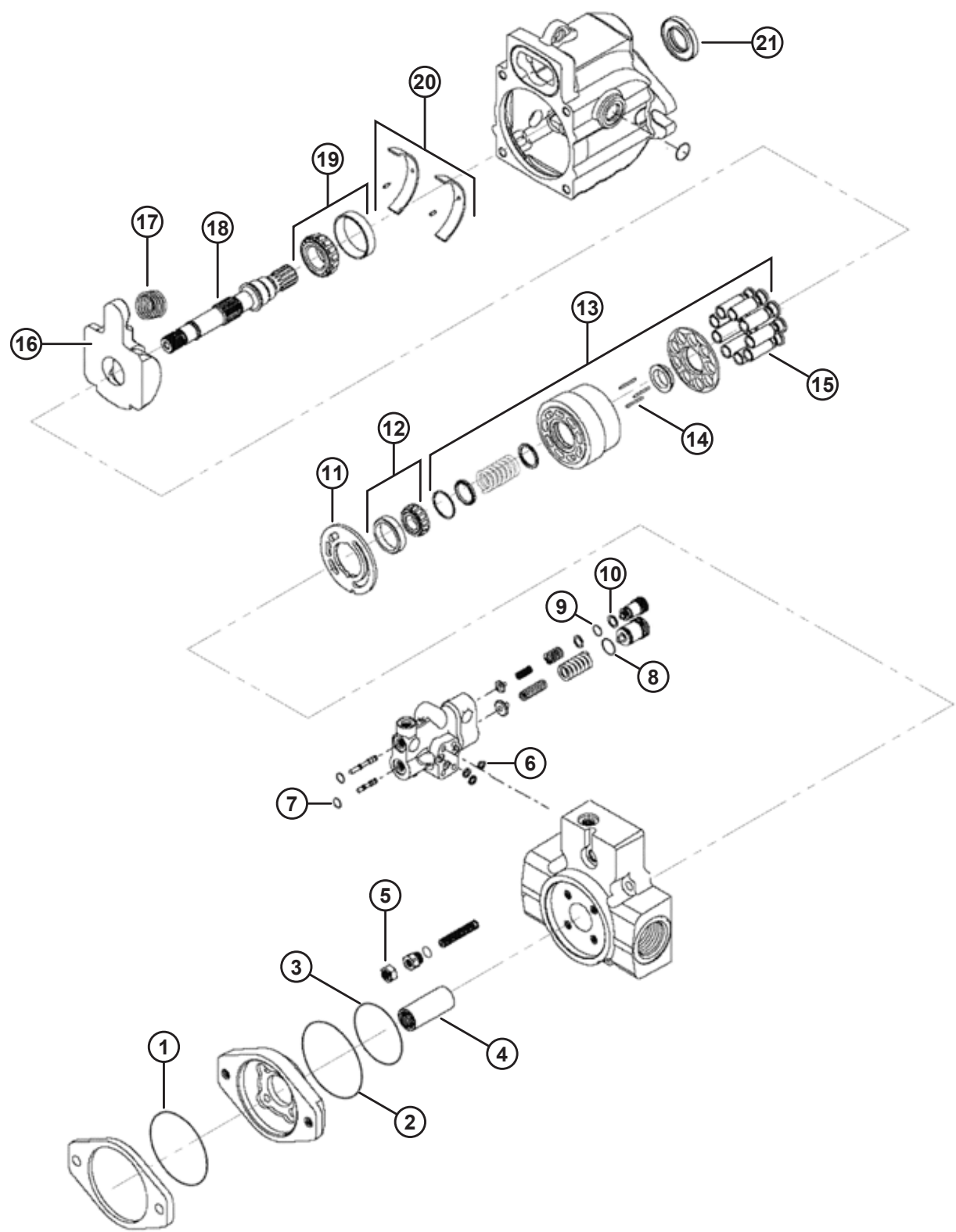
1036262

KNIFE DRIVE PUMP (M150)

Ref	Part Number	Description	Qty	Serial Number
26	162219	DISPLACEMENT LIMITER PLUG	1	-179759
27	162220	ADJUSTMENT SCREW	1	-179759
28	166303	KIT – CONTROL VALVE ⁹⁶	1	
29	183581	RESTRICTOR – 0.8 MM, M6 X 6 ⁹⁷	A/R	
30	183583	PLUG – ORIFICE BACKING ⁹⁷	A/R	

-
96. Includes the following internal components: O-rings (MD #111932, 111933), two back up rings (MD #111931), four seal rings (MD #111935), and LS adjusting plug (not sold separately). Refer to Service Bulletin SB 1514 for installation instructions.
97. Restrictor (MD #183581) is used in conjunction with plug (MD #183583) on knife drive pump (MD #162169) to remedy knife drive surging under certain loading conditions. Refer to Service Bulletin SB 1514 for instructions.

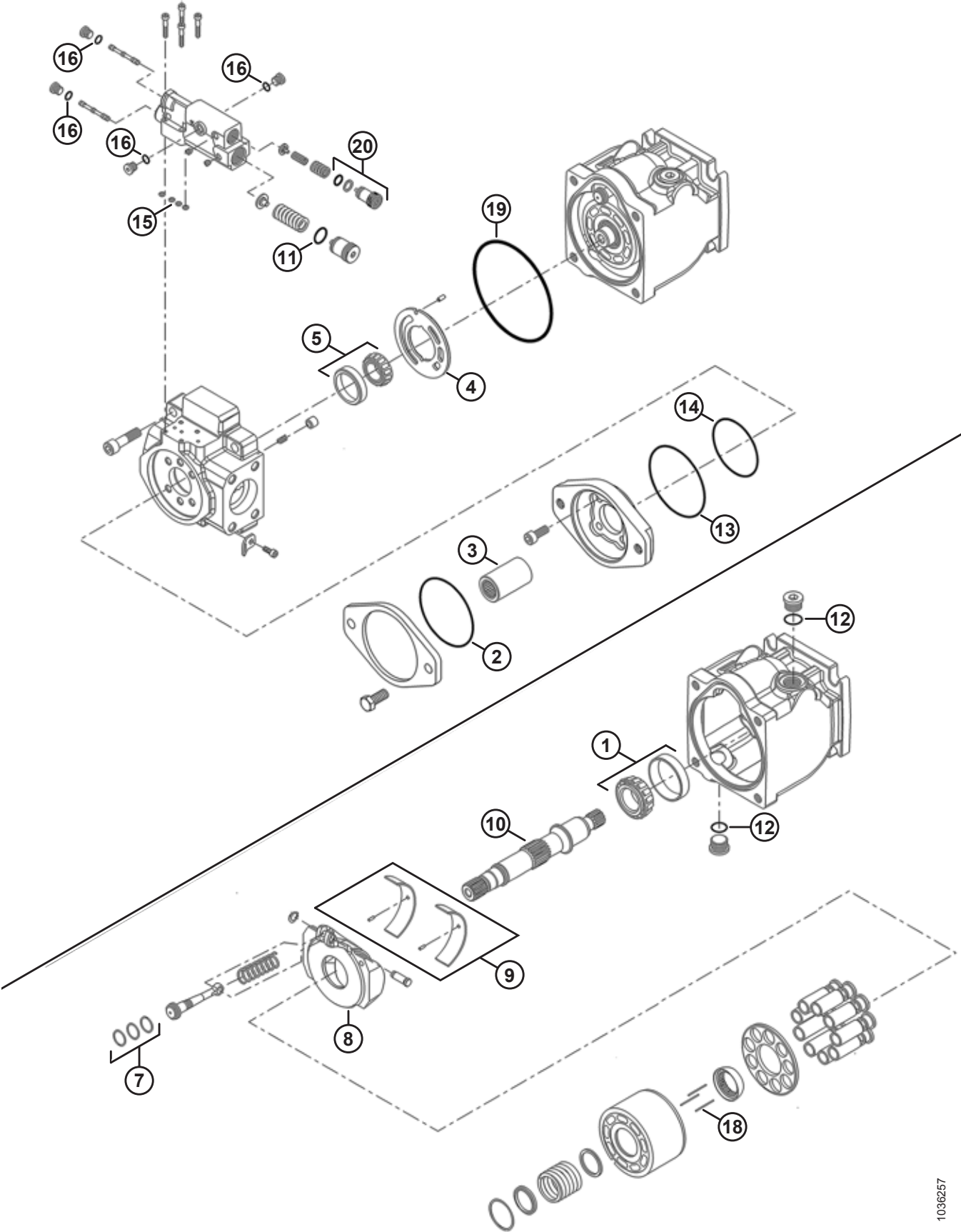
51 Reel and Conveyor Pump (M150)



REEL AND CONVEYOR PUMP (M150)

Ref	Part Number	Description	Qty	Serial Number
	110980	PUMP – HYDRAULIC, GEAR, CU IN, SINGLE SUCTION	1	
	111967	SEAL KIT	1	
1	111940	PAD – SEAL	1	
2	111939	O-RING	1	
3	111938	O-RING	1	
4	111937	COUPLING	1	
5	111936	NUT – SEAL	1	
6	111935	SEAL – RING	4	
7	111934	O-RING	1	
8	111933	O-RING	1	
9	111932	O-RING	1	
10	111931	RING – BACK UP	2	
11	111930	PLATE – VALVE	1	
12	111929	KIT – REAR BEARING	1	
13	111928	KIT – CYLINDER BLOCK	1	
14	111927	PIN – SLIPPER HOLD DOWN	3	
15	111926	ASSEMBLY – PISTON	9	
16	111925	PLATE – SWASH	1	
17	111924	SPRING – BIAS	1	
18	111923	SHAFT	1	
19	111922	KIT – FRONT BEARING	1	
20	111921	KIT – SWASHPLATE BEARING	1	
21	111920	SEAL – LIP	1	

52 Header Drive Pump – First Tandem (M200)



HEADER DRIVE PUMP – FIRST TANDEM (M200)

NOTE:

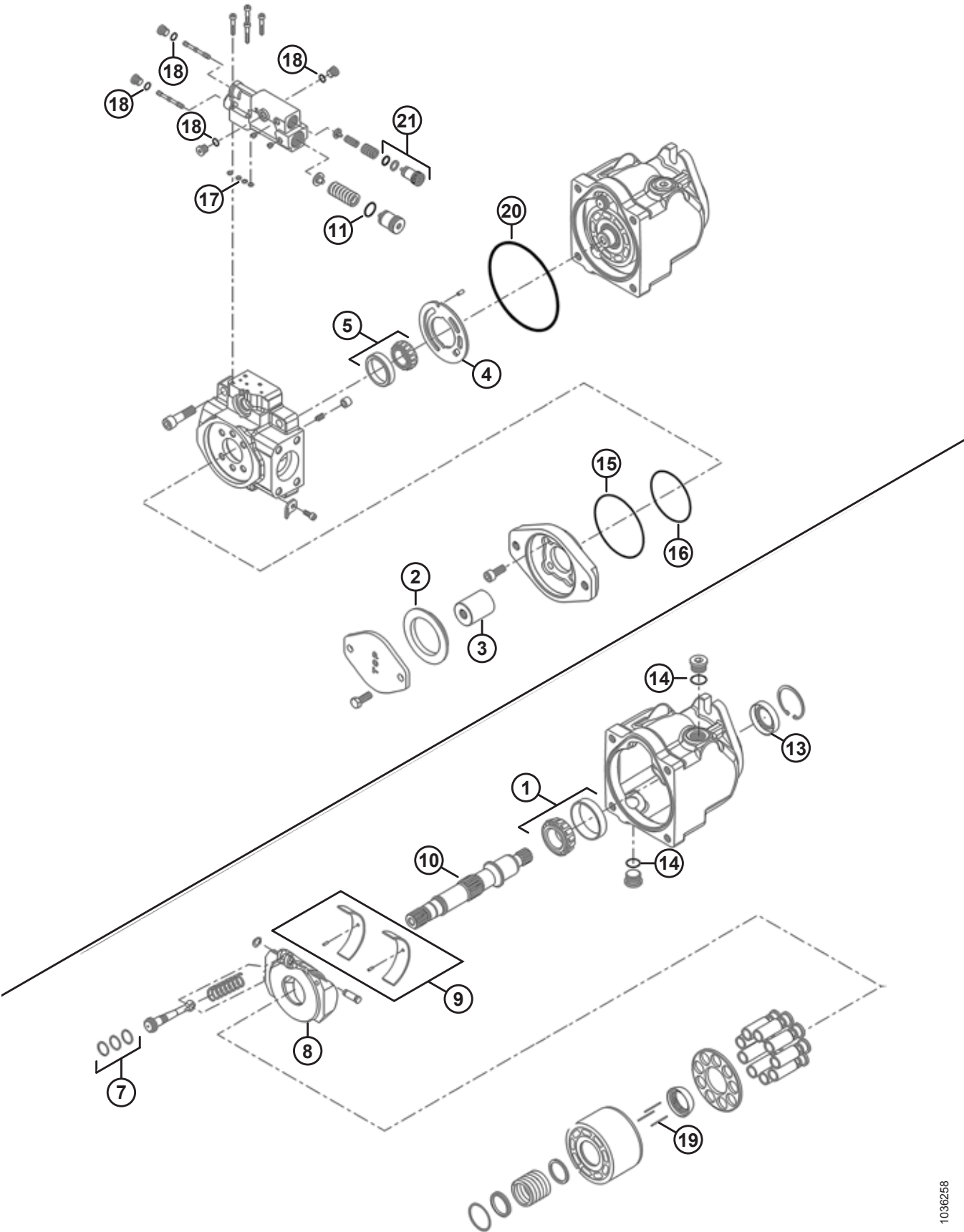
Top illustration shows outer assembly, bottom illustration shows inner assembly.

Ref	Part Number	Description	Qty	Serial Number
	166294	PUMP KIT – HEADER DRIVE, 1ST TANDEM, SEAL REMOVED ⁹⁸	1	
	111968	SEAL KIT ⁹⁹	1	
1	111969	KIT – FRONT BEARING	1	
2	111953	O-RING	1	
3	162212	COUPLING	1	
4	162300	PLATE – VALVE LH	1	
5	111950	KIT – REAR BEARING	1	
6	111949	ASSEMBLY – PISTON (NOT ILLUSTRATED)	9	
7	162302	RING – PISTON	3	
8	162299	ASSEMBLY – SWASH PLATE	1	
9	162301	KIT – SWASH PLATE BEARING	1	
10	162213	SHAFT – TAPERED	1	
11	111933	O-RING	1	
12	111907	O-RING	2	
13	111939	O-RING	1	
14	111938	O-RING	1	
15	111935	SEAL – RING	4	
16	111934	O-RING	4	
17	111928	KIT – CYLINDER BLOCK (NOT ILLUSTRATED)	1	
18	111927	PIN – SPLITTER HOLD DOWN	3	
19	NSS	O-RING		
20	NSS	SEAL		

98. Kit includes external O-rings as shown on [49 Header Drive Pump Assemblies, page 149](#).

99. Seal kit includes piston ring (MD #162302), ring seal (MD #111935), O-rings (MD #111953, 111933, 111907, 111939, 111938, and 111934), and not sold separately items #19 and 20.

53 Header Drive Pump – Second Tandem (M200)



HEADER DRIVE PUMP – SECOND TANDEM (M200)

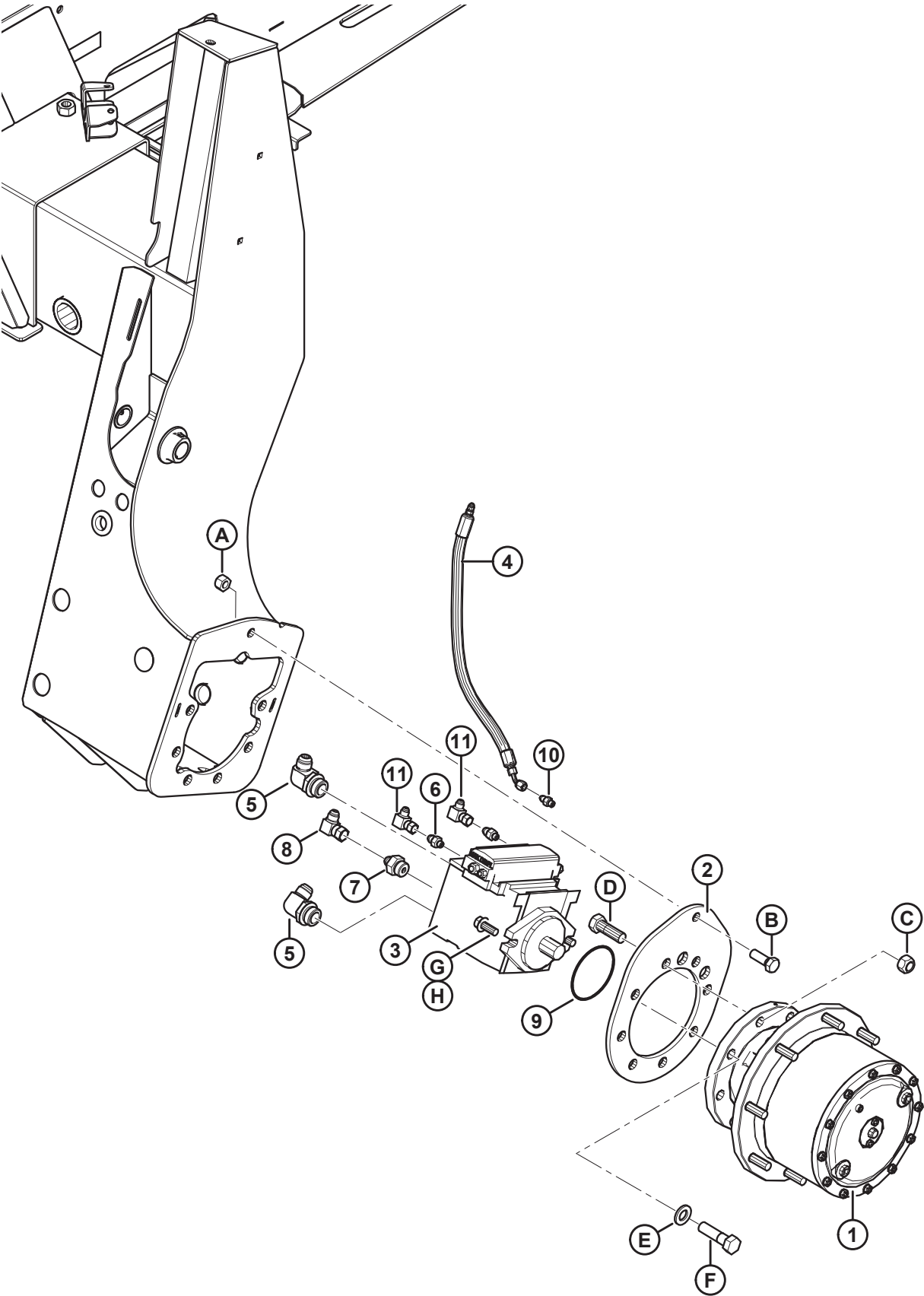
NOTE:

Top illustration shows outer assembly, bottom illustration shows inner assembly.

Ref	Part Number	Description	Qty	Serial Number
	162400	PUMP –HEADER DRIVE, 2ND TANDEM	1	
	111968	SEAL KIT ¹⁰⁰	1	
1	111969	KIT – FRONT BEARING	1	
2	111940	PAD SEAL	1	
3	162222	COUPLING	1	
4	162300	PLATE – VALVE LH	1	
5	111950	KIT – REAR BEARING	1	
7	162302	RING – PISTON	3	
8	162299	ASSEMBLY – SWASH PLATE	1	
9	162301	KIT – SWASH PLATE BEARING	1	
10	162223	SHAFT – TAPERED	1	
11	111933	O-RING	1	
13	111941	SEAL – LIP	1	
14	111907	O-RING	2	
15	111939	O-RING	1	
16	111938	O-RING	1	
17	111935	SEAL – RING	4	
18	111934	O-RING	4	
19	111927	PIN – SPLITTER HOLD DOWN	3	
20	NSS	O-RING		
21	NSS	SEAL		

100. Includes piston ring (MD #162302), lip seal (MD #111941), ring seal (MD #111935), O-rings (MD #111933, 111907, 111939, 111938, and 111934), and not sold separately items #20 and 21.

54 Wheel Drive Assembly



1036261

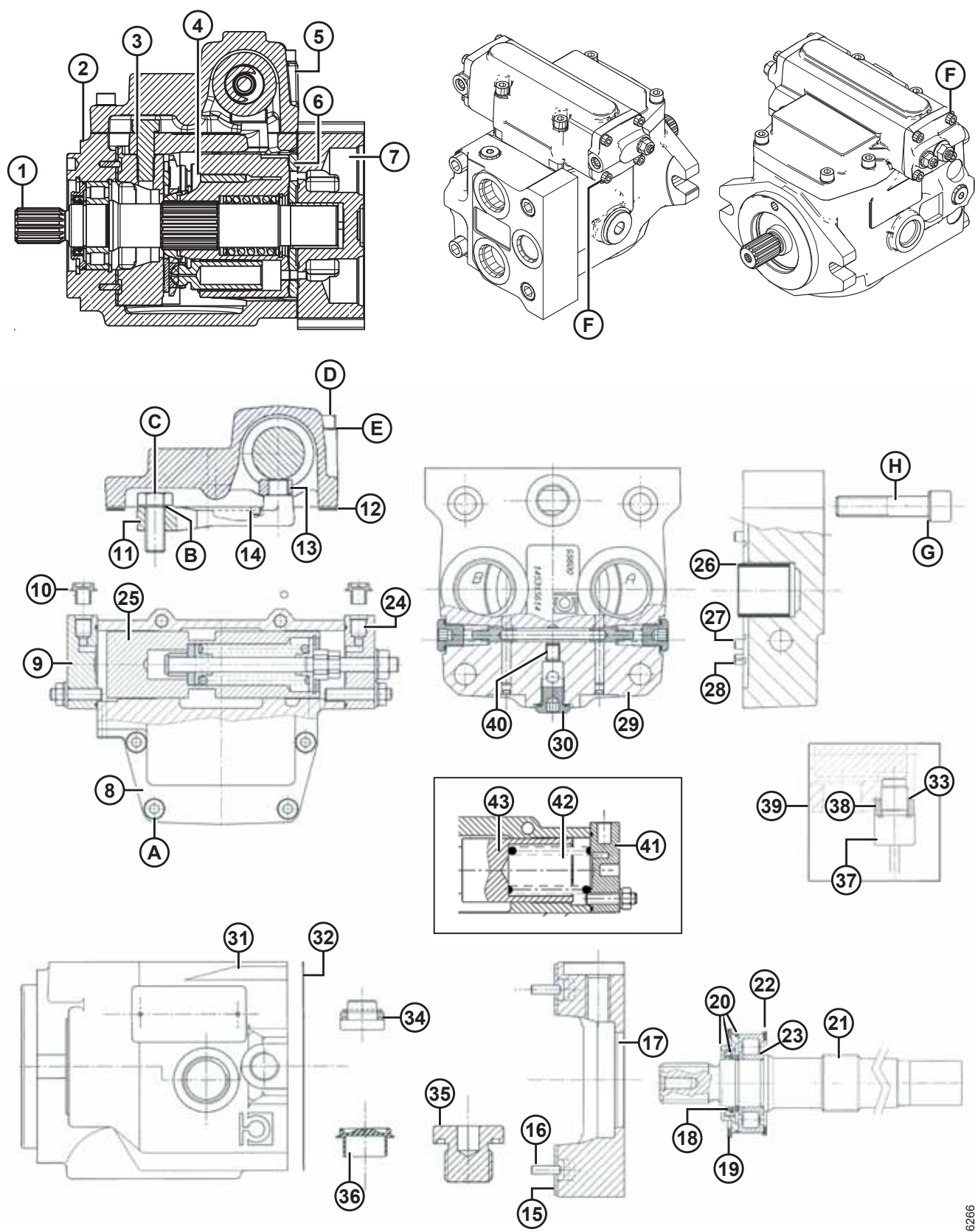
WHEEL DRIVE ASSEMBLY

Ref	Part Number	Description	Qty	Serial Number
1	204474	DRIVE – WHEEL, AUBURN POWER WHEEL 30.5:1 (8 BOLT)	2	
	111579	DRIVE – WHEEL, BONFIGLIOLI POWER WHEEL 30.5:1 (8 BOLT)	2	
2	111266	PLATE – WHEEL DRIVE	2	
3	111535	MOTOR – DRIVE (2 SPD BONDIOLI), M150	2	–195759
	183715	DRIVE MOTOR – 3 SPD COMPLETE, LESS SPEED SENSOR, M200 ¹⁰¹	2	M150 195760–
4	111693	HOSE – HYDRAULIC	2	
5	108153	FITTING – ELBOW HYD	4	
6	100790	FITTING – ADAPTER HYD ¹⁰²	4	
7	30939	FITTING – ADAPTER HYD	2	
8	30314	FITTING – ELBOW 90° HYD	2	
9	30045	O-RING	2	
10	112184	FITTING – ADAPTER HYD	2	
11	106717	FITTING – ELBOW HYDRAULIC ¹⁰²	4	
A	18666	NUT –HEX LOCK DT 5/8-11 UNC ZP		
B	21582	BOLT – HH 5/8 NC X 1.75 LG GR5 ZP		
C	18689	NUT – HEX LOCK DT .750-10UNC		
D	136016	BOLT – HH 3/4 NC X 2.25 LG GR 5 ZP		
E	112130	WASHER – HARDENED		
F	112128	BOLT – HEX HD .750-1L UNF X 2.75		
G	30368	BOLT – HH FLG (SER FACE) 1/2 NC X 1.25 GR 5 ZP (BONFIGLIOLI WHEEL DRIVE)		
	135564	BOLT – HH 1/2 NC X 2.00 GR 8 ZP (AUBURN GEAR WHEEL DRIVE)		
H	135369	WASHER – FLAT , HARDENED (AUBURN GEAR WHEEL DRIVE ONLY)		

101. For M150, refer to serial number break.

102. Quantity of two for M150 with serial numbers 195759 and prior.

55 Wheel Drive Motor Repair Parts



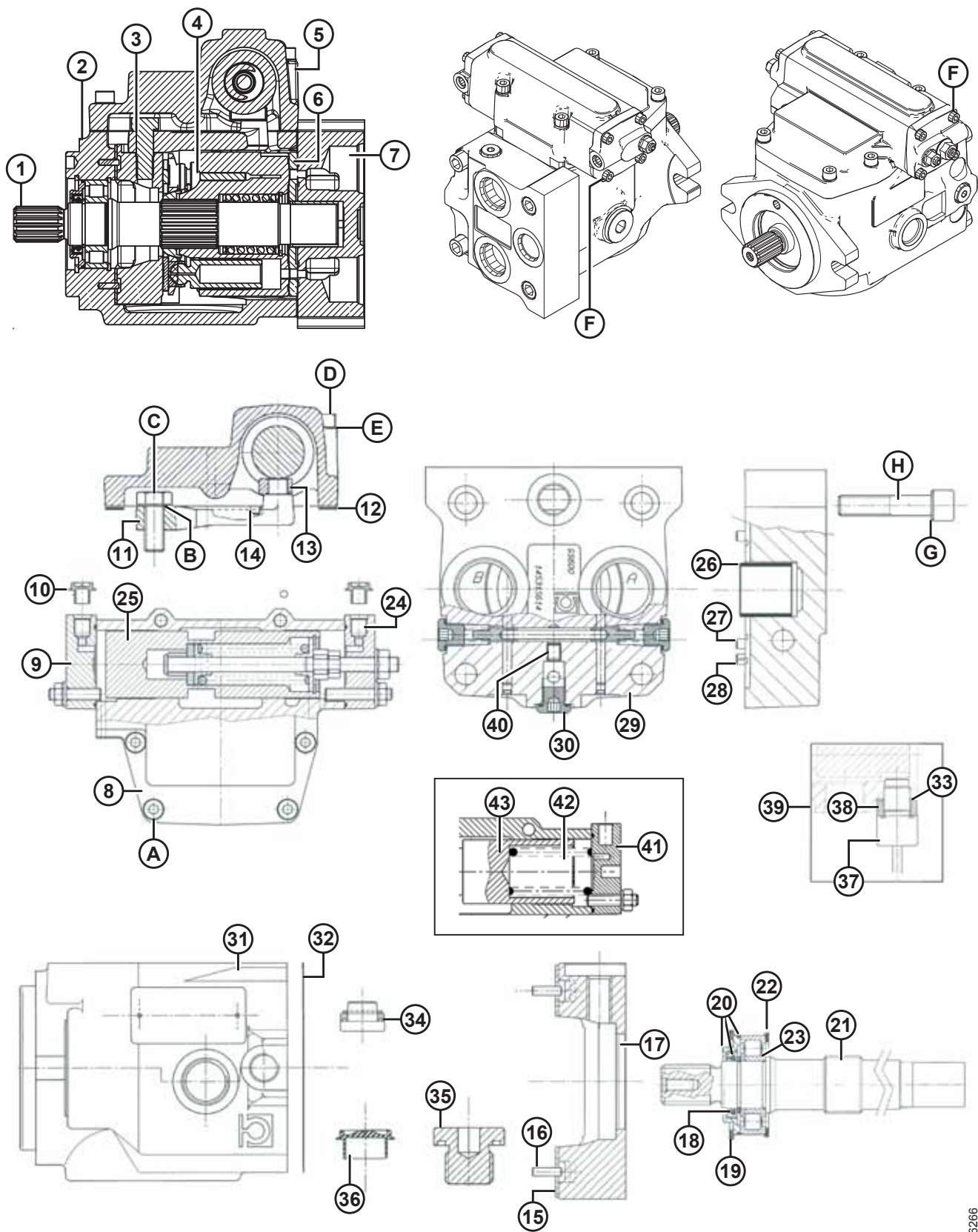
WHEEL DRIVE MOTOR REPAIR PARTS

Ref	Part Number	Description	Qty M150/ M200	Serial Number
	111535	DRIVE MOTOR – 2 SPD COMPLETE, LESS SPEED SENSOR, M150		–195759
	183715	DRIVE MOTOR – 3 SPD COMPLETE, LESS SPEED SENSOR, M200 ¹⁰³		M150 195760–
1	163196	KIT – SHAFT AND BEARING 1ST 16/32 IN. DP,HIGH SPEED,VITON	1	
2	163197	KIT – HOUSING, FOR BRONZE BUSHING AND SPEED SENSOR	1	
3	163199	KIT – SUSPENDED CAM PLATE AND BRONZE BUSHINGS	1	
4	163200	KIT – ROTATING GROUP W/9 NOTCHES, HIGH SPEED, M4MV65	1	
5	163201	KIT – SERVO CONTROL, 2 SPD, M150	1	–195759
	183377	KIT – SERVO CONTROL, 3 SPD, M200 ¹⁰³	1	M150 195760–
6	183627	PLATE – VALVE, M4MV65, BI-DIRECTIONAL	1	
7	183628	KIT – DISTRIBUTOR, REAR PORTS AND DRAIN EXCHANGE VALVE	1	
8	NSS	HOUSING – SERVO CONTROL	1	
9	162429	KIT – SERVO END PLATE, M8 THREAD, 7/16 IN.–20 PORT	1	
10	NSS	PLUG – PLASTIC SHIPPING, 7/16 IN. UNF	1	
11	163230	LEVER – SERVO CONTROL	1	
12	163234	GASKET – SERVO CONTROL	1	
13	163237	PLATE – SLIDE, SERVO PISTON	1	
14	NSS	PIN, 6 X 10 H8 UNI 1707	2	
15	163220	BUSHING – BRONZE, VL22	2	
16	163221	PIN – 4 X 14 H8 UNI 1707	2	
17	NSS	CAM – PLATE, SUSPENDED BRONZE BUSHING TYPE	1	
18	163206	SNAP RING, EXT. DIA. 30 X 2 UNI 7436	1	
19	163208	SNAP RING, INT. DIA. 65 UNI 7437	1	
20	163622	SEAL KIT ¹⁰⁴	1	
21	163196	KIT – SHAFT AND BEARING 1ST 16/32 IN. DP, HIGH SPEED, VITON	1	
22	163211	SNAP RING, INT. DIA. 62 UNI 7437	1	
23	163212	BEARING, ROLLER, NUP206 ECP 30 X 62 X 16	1	
24	162428	KIT – SERVO, END CAP, 3 SPD ¹⁰³	0/1	
25	162403	KIT – SERVO, PISTON, 3 SPD ¹⁰³	0/1	
26	163224	BRONZE BUSHING, DISTRIBUTOR, 28 X 30	1	

103. For M150, refer to serial number break.

104. Includes O-ring, shaft seal, and shaft seal support.

WHEEL DRIVE MOTOR REPAIR PARTS



1036266

WHEEL DRIVE MOTOR REPAIR PARTS

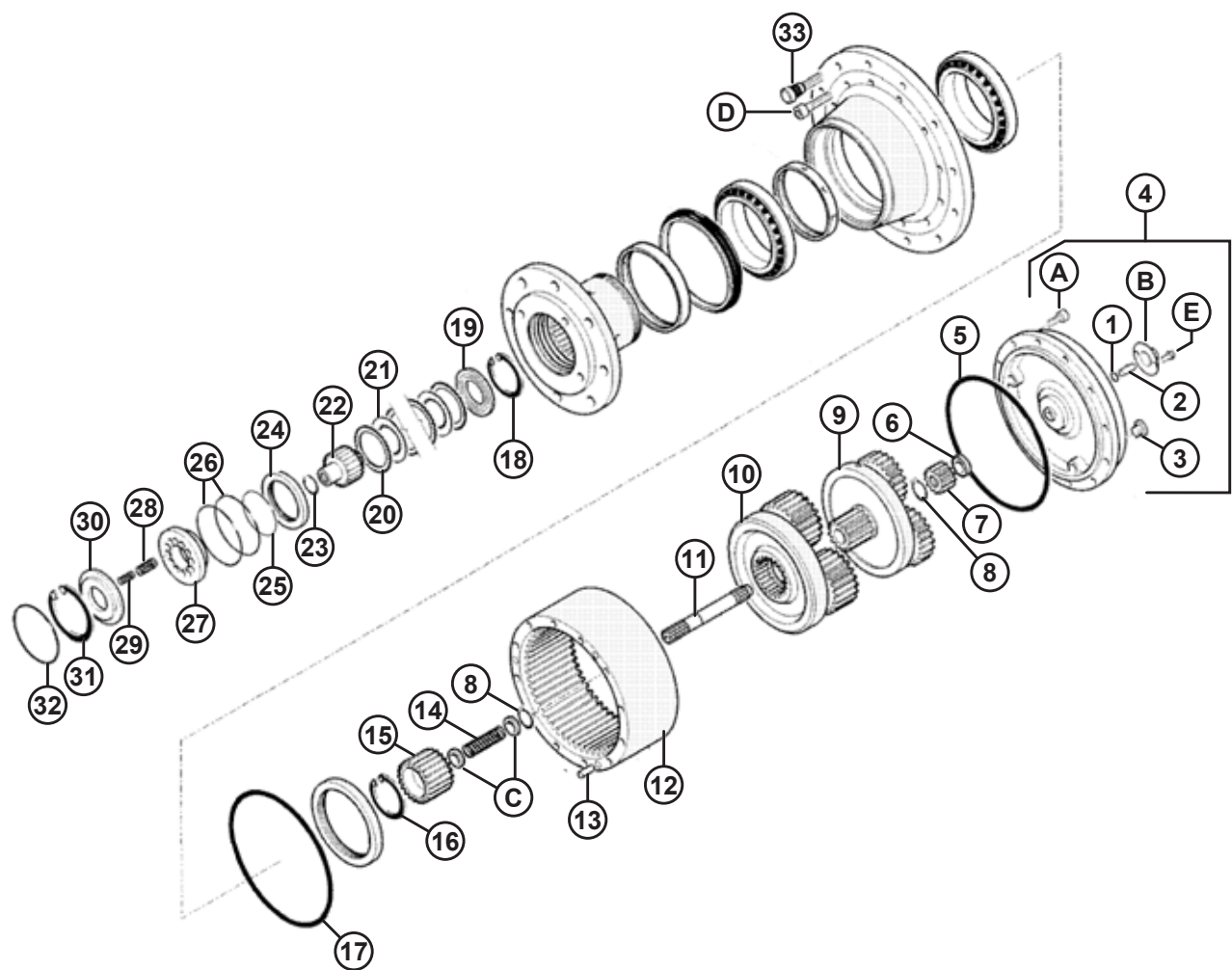
Ref	Part Number	Description	Qty M150/ M200	Serial Number
27	163225	PIN, 6 X 10 H8 UNI 6874	2	
28	NSS	PIN – ELASTIC, 6 X 10 UNI 6874	1	
29	NSS	HOUSING – DISTRIBUTOR	1	
30	163227	KIT – EXCHANGE VALVE ASSEMBLY	1	
	135931	PLUG – BSPP, 1/4 IN. HOLLOW HEX	3	
31	NSS	HOUSING	1	
32	163214	GASKET – DISTRIBUTOR	1	
33	163215	O-RING – 1.78 X 21.95 70 SH 2-020	1	
34	306171	PLUG – SPEED SENSOR PORT C/W SEAL (RH ONLY) ¹⁰⁵	1	
35	163217	PLUG – SEALED, 1-1/16 IN. 12 UN COUNTERSUNK	1	
36	NSS	PLUG – PLASTIC SHIPPING, 1-1/16 IN. 12 UN	1	
37	166305	SENSOR – SPEED (LH ONLY)	1	
38	163218	SPACER – THREADED, SPEED SENSOR	1	
39	163198	KIT – SPEED SENSOR AND SPACER ¹⁰⁶	1	
40	183675	RESTRICTOR – ORIFICE, 1.7 MM	1	
41	163235	KIT – SERVO END PLATE, M8 X 40 ADJ. SCREW (2 SPD MOTOR) ¹⁰⁷	1/0	–195759
42	NSS	SPRING, SERVO PISTON (2 SPD MOTOR) ¹⁰⁷	1/0	–195759
43	NSS	PISTON, SERVO CONTROL (2 SPD MOTOR) ¹⁰⁷	1/0	–195759
A	163228	SCREW – CAP, INT. SOCKET HEAD, M8 X 30 UNI 5931		
B	NSS	WASHER – LOCK, RIB-SPRING, 12 MM		
C	163231	SCREW – CAP, HEX HEAD, M12 X 35 UNI 5737		
D	163232	SCREW – CAP, INT. SOCKET HEAD, M8 X 60 UNI 5931		
E	163233	WASHER – LOCK, RIB-SPRING, 8 MM		
F	136652	SCREW – HEX SKT HD M6 X 1.00 X 20-12.2-A2L		
G	163222	WASHER – LOCK, RIB-SPRING, 12 MM		
H	163223	SCREW – CAP, INT. SOCKET HEAD, M12 X 60 UNI 5931		

105. Includes M18 sealing washer.

106. Includes O-ring (MD #163215), speed sender (MD #166305), and spacer (MD #163218).

107. M150 quantities shown are for serial numbers 195759 and prior. For serial numbers 195760 and later, M150 quantities are the same as for the M200.

56 Wheel Drive – Bonfiglioli (8 Bolt)



WHEEL DRIVE – BONFIGLIOLI (8 BOLT)

NOTE:

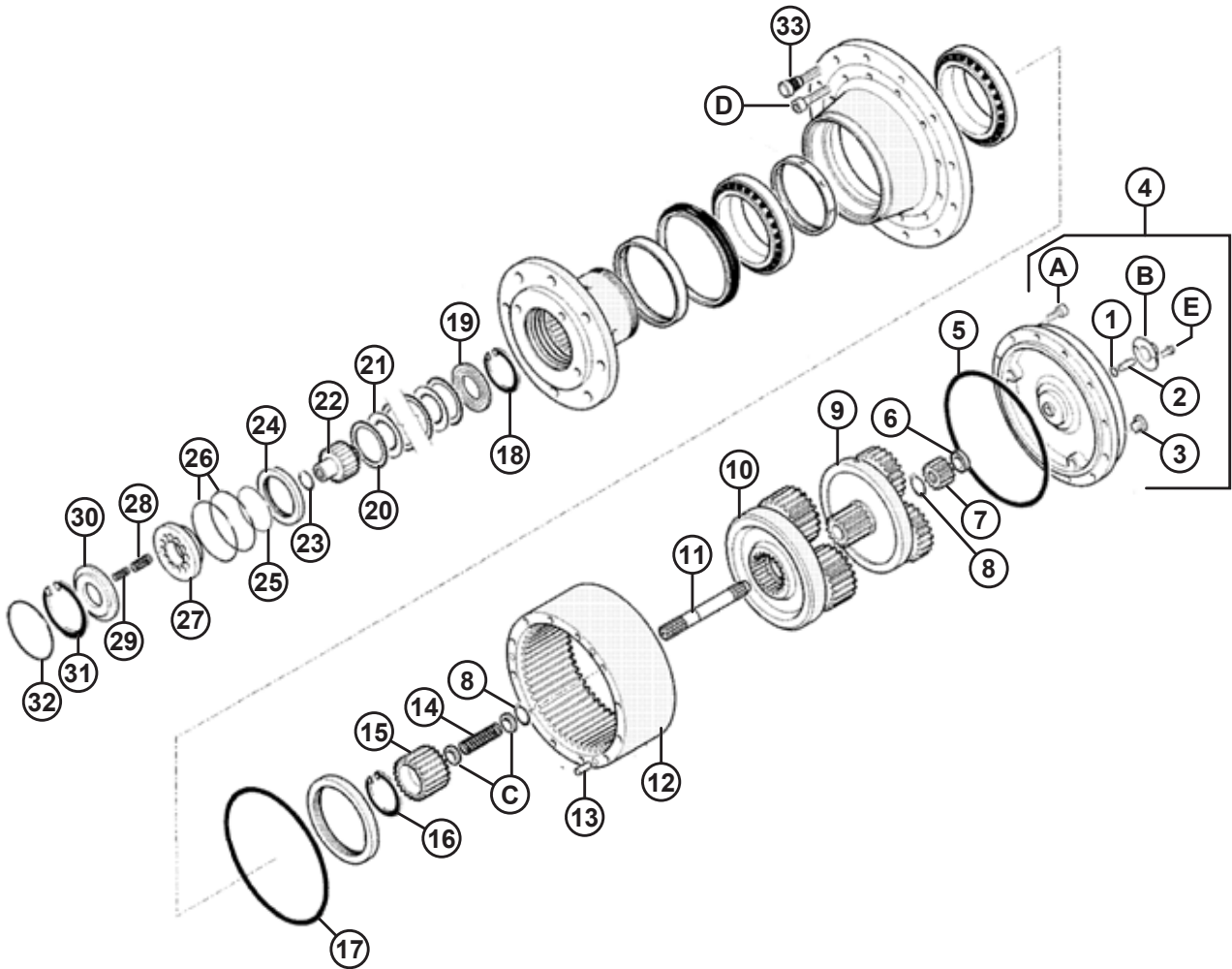
Quantities listed are per drive assembly.

NOTE:

Identify the proper manufacturer and bolt configuration for your particular wheel drive. For other wheel drive options, refer to Section [57 Wheel Drive – Auburn Gear \(8 Bolt\)](#), page 173.

Ref	Part Number	Description	Qty	Serial Number
	111579	DRIVE – WHEEL, BONFIGLIOLI, MID-HIGH HP (8 BOLT)		
1	111858	O-RING – 2.62 X 12.37	1	
2	111859	PIN – 12 MM, 40 MM	1	
3	111862	PLUG – MAGNETIC	2	
4	111863	ASSEMBLY – COVER	1	
5	111864	O-RING	1	
6	111865	PAD	1	
7	111866	GEAR – SUN	1	
8	111867	RING – ELASTIC	2	
9	111868	REDUCER ASSEMBLY – 1ST	1	
10	111869	REDUCER ASSEMBLY – 2ND	1	
11	111870	SHAFT – SPLINED	1	
12	111871	RING – TOOTHED	1	
13	111872	PIN – Ø12 X 40	3	
14	111874	SPRING	1	
15	111875	COUPLING	1	
16	111876	RING	1	
17	111878	O-RING	1	
18	111879	RING	2	
19	111880	DISC	1	
20	111881	DISC – STEEL	8	
21	111882	DISC – SINTERED	7	
22	111883	SHAFT – BRAKE	1	
23	111884	RING	1	
24	111885	SPACER	1	
25	111886	O-RING – 2.62 X 69.52	1	
26	111887	O-RING – 2.62 X 94.92	2	

WHEEL DRIVE – BONFIGLIOLI (8 BOLT)

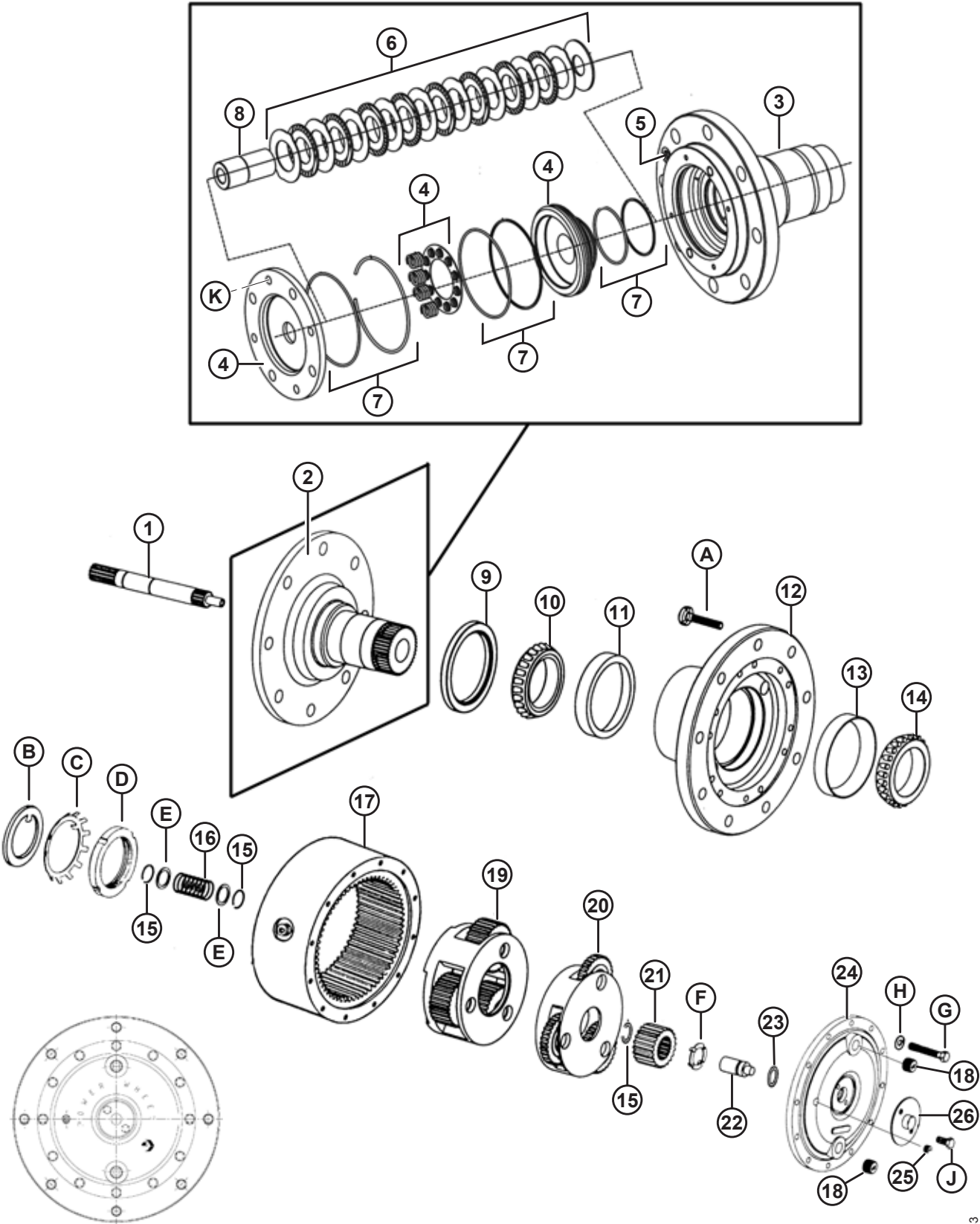


1004949

WHEEL DRIVE – BONFIGLIOLI (8 BOLT)

Ref	Part Number	Description	Qty	Serial Number
27	111888	PISTON – BRAKE	1	
28	111889	SPRING	12	
29	111890	SPRING	12	
30	111891	RETAINER – SPRING	1	
31	111892	RING	1	
32	111893	O-RING – 2.62 X 101.27	1	
33	162056	STUD – 5/8 UNF H55 D16	8	
A	111857	SCREW – MACHINE, #10-0.190 IN, 12.9 MM LG, ZN PL		
B	111860	NUT – CAP		
C	111873	WASHER		
D	162057	BOLT – SOCKET HEAD, 12 MM X 45 MM		
E	111099	BOLT – HEX HD 5/16 NC X 0.5 LG GR 5 ZP		

57 Wheel Drive – Auburn Gear (8 Bolt)



1013483

WHEEL DRIVE – AUBURN GEAR (8 BOLT)

NOTE:

Quantities listed are per drive assembly.

NOTE:

Identify the proper manufacturer and bolt configuration for your particular wheel drive. For other wheel drive options, refer to Section *56 Wheel Drive – Bonfiglioli (8 Bolt)*, page 169.

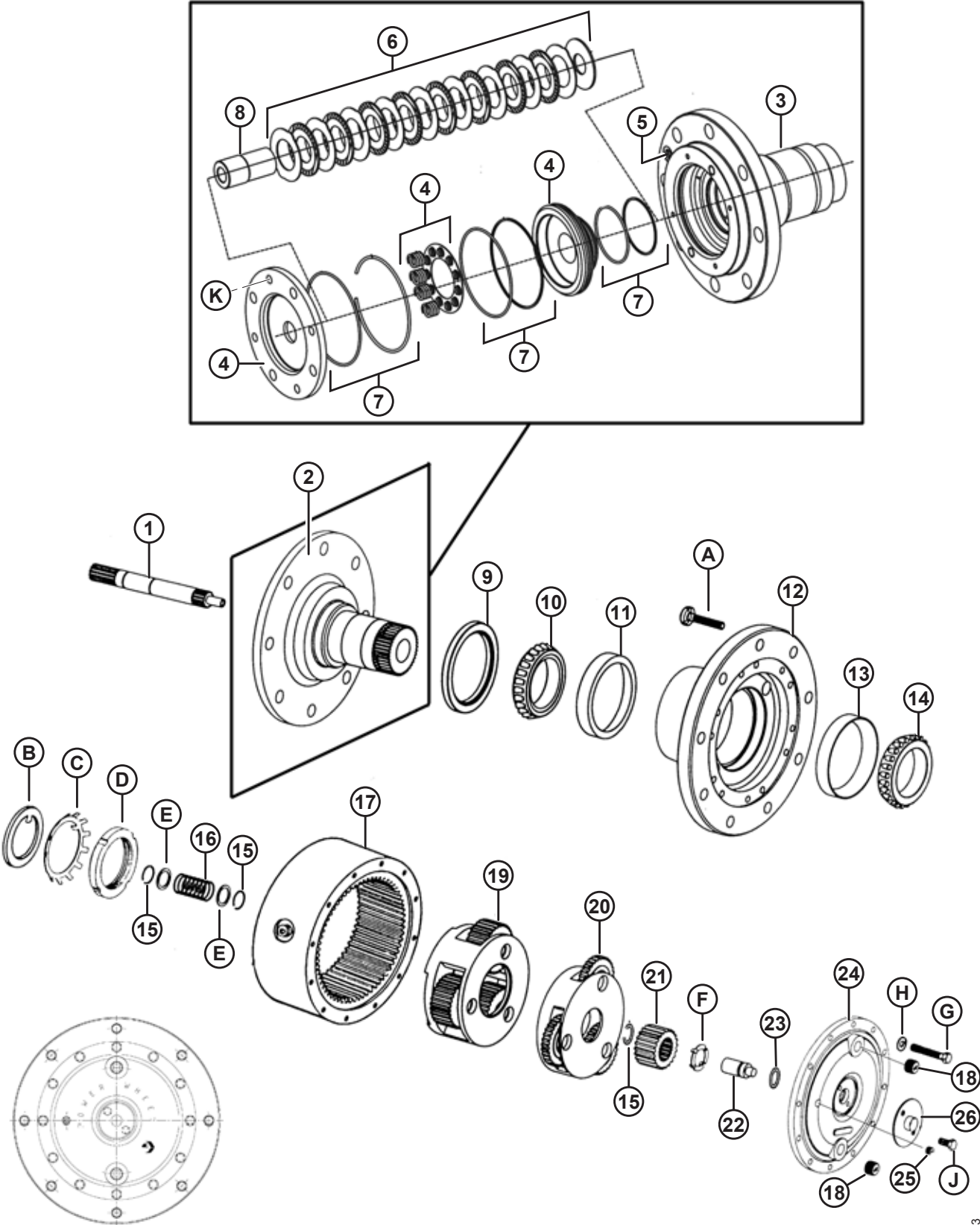
Ref	Part Number	Description	Qty	Serial Number
	204474	DRIVE – WHEEL, AUBURN POWER WHEEL 30.5:1 (8 BOLT)	2	
1	163757	SHAFT – INPUT	1	
2	183364	SPINDLE – DRIVE ASSEMBLY ¹⁰⁸	1	
	REF	COUPLER ¹⁰⁹		
3	183371	SPINDLE ONLY		
4	183370	KIT – PISTON/END PLATE/SPRINGS		
5	183373	PLUG – PIPE		
6	183365	KIT – FRICTION DISK		
7	163756	SEAL KIT – POWER WHEEL BRAKE		
8	163762	COUPLER – SPINDLE ASSEMBLY	1	
9	163753	SEAL – OIL	1	
10	163752	BEARING – CONE	1	
11	163751	BEARING – CUP	1	
12	163748	HUB – POWER WHEEL	1	
13	163750	BEARING – CUP	1	
14	163749	BEARING – CONE	1	
15	49872	RING – RETAINING	3	
16	49866	SPRING – DISENGAGE	1	
17	163738	GEAR – RING	1	
18	30203	PLUG – MAGNETIC PIPE SQ SOCKET	2	
19	163744	CARRIER ASSEMBLY – SECONDARY	1	
20	163737	CARRIER ASSEMBLY – PRIMARY	1	
	306203	KIT – SECONDARY SUN GEAR ¹¹⁰	1	

108. Includes items #3–8.

109. Refer to spindle assembly coupler (MD #163762).

110. Includes secondary sun gear and two snap rings. Used to replace secondary sun gear on primary carrier assembly (MD #163737). Use the secondary sun gear kit for a one time repair to the primary carrier assembly. If a second rebuild is required, then replacement of the primary carrier assembly (MD #163737) is required.

WHEEL DRIVE – AUBURN GEAR (8 BOLT)

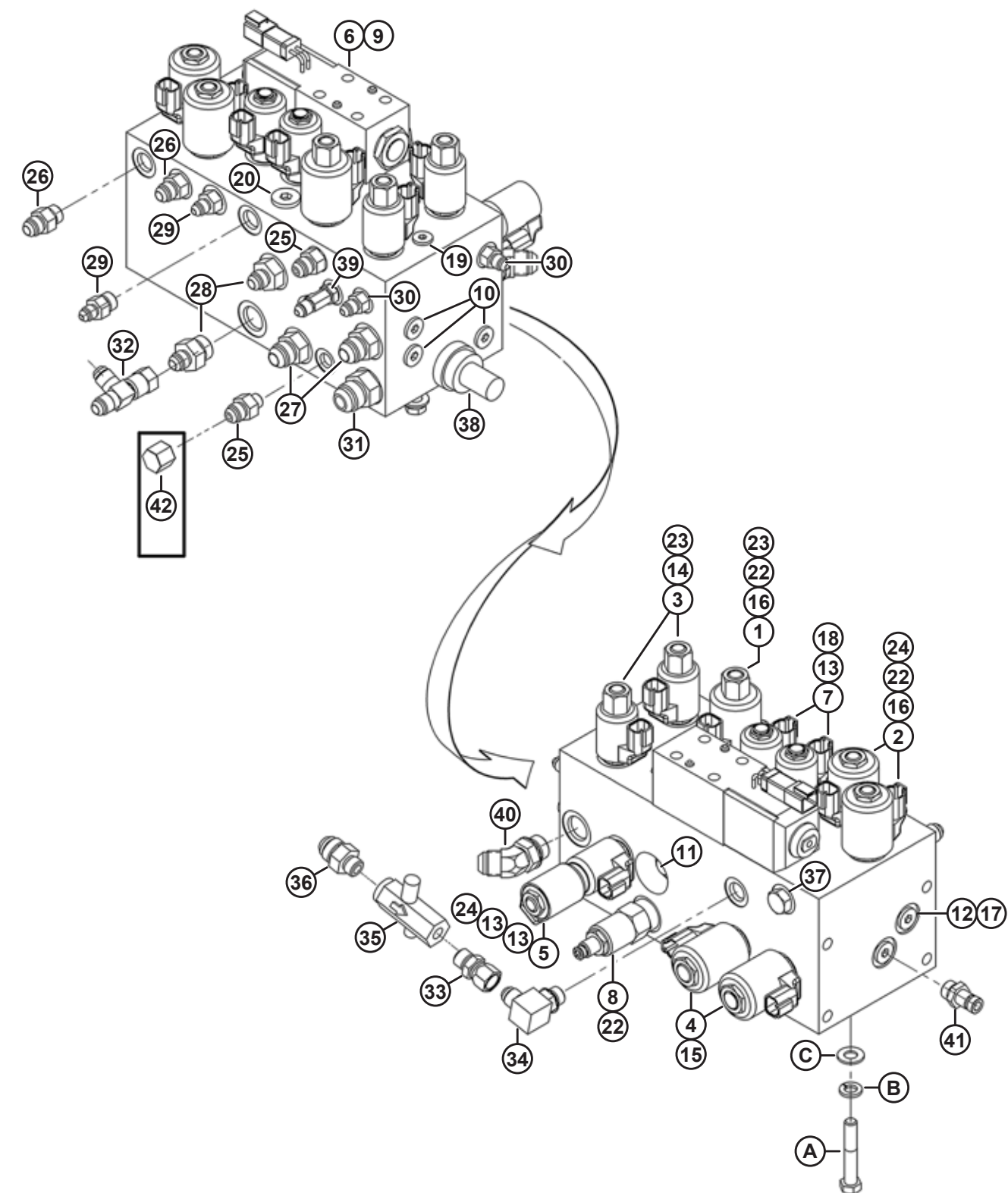


1013483

WHEEL DRIVE – AUBURN GEAR (8 BOLT)

Ref	Part Number	Description	Qty	Serial Number
21	163736	GEAR – PRIMARY	1	
22	111093	PLUNGER – DISENGAGE	1	
23	111105	O-RING	1	
24	49874	COVER – LARGE	1	
25	50231	PLUG – PIPE DRY SEAL 0.25 NPT	1	
26	30205	COVER – DISENGAGE	1	
A	49880	BOLT – WHEEL (PRESS-IN) 5/8 NF X 60 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		
K	183374	SCREW – SKT HD CAP, END PLATE TO SPINDLE		

58 Header Lift Manifold



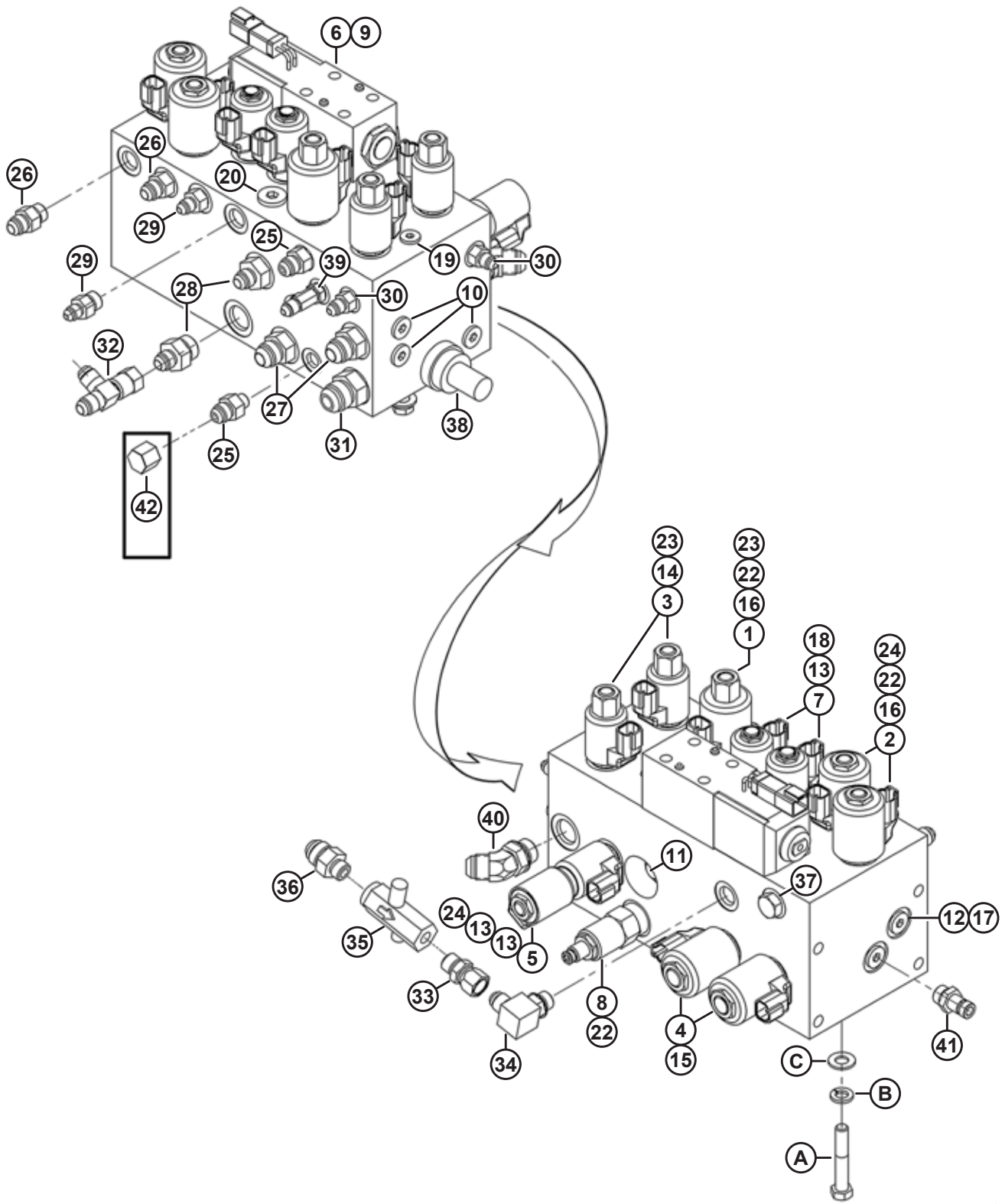
1036232

HEADER LIFT MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
	112557	HEADER LIFT MANIFOLD ASSEMBLY – COMPLETE ¹¹¹		
	163188	COIL	A/R	
1	163141	VALVE – SOLENOID	1	
2	163142	VALVE – SOLENOID	2	
3	49842	VALVE – SOLENOID	2	
	49844	SEAL KIT	2	
4	163143	VALVE – SOLENOID	2	
	163191	NUT – SPECIAL	2	
	163160	SEAL KIT	2	
5	163144	VALVE – SOLENOID	1	
	49849	SEAL KIT	1	
6	163145	CONTROL – DIRECTIONAL	1	
	163192	NUT – SPECIAL	1	
	163162	SEAL KIT	1	
7	163146	VALVE – SOLENOID	2	
	163193	NUT – SPECIAL	2	
	163163	SEAL KIT	2	
8	163147	VALVE – RELIEF	1	
9	163148	KIT – BOLT	1	
10	163149	FITTING – ZERO LEAK GOLD #05, 1/2-20 UN 2A	8	
11	163150	VALVE – CHECK	1	
	49854	SEAL KIT	1	
12	163151	PLUG – ORIFICE	1	
13	163152	COIL	4	
14	163153	COIL	2	
15	163154	COIL	2	
16	163155	COIL	3	
17	163156	FITTING – ZERO LEAK GOLD #06, 9/16-18 UN 2A	1	
18	163157	DISC – ORIFICE	2	

111. Includes items #1–24.

HEADER LIFT MANIFOLD

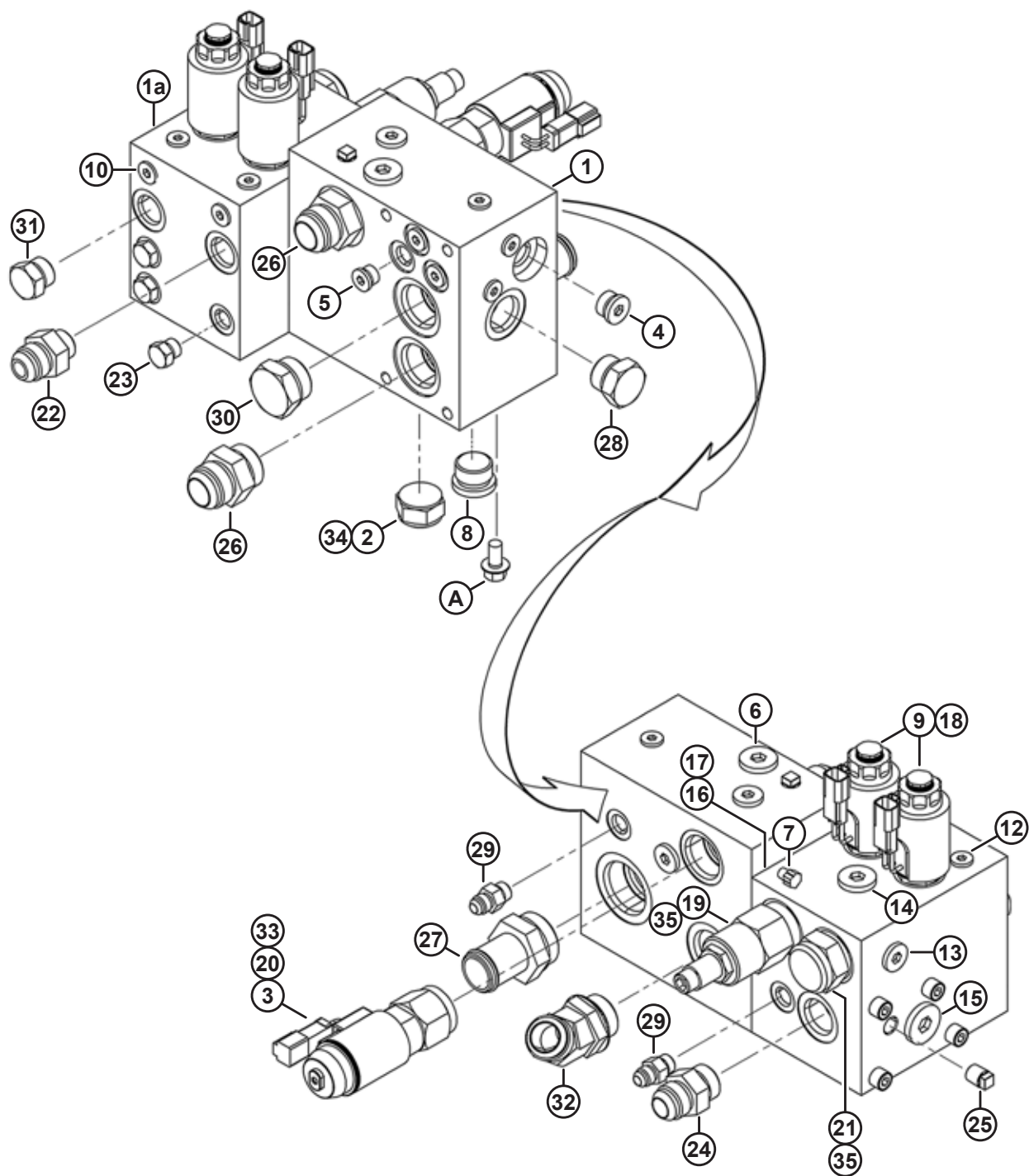


1036232

HEADER LIFT MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
19	163158	FITTING – ZERO LEAK GOLD #04, 7/16-20 UN 2A	2	
20	163159	FITTING – ZERO LEAK GOLD #08, 3/4-16 UN 2A	1	
22	49846	SEAL KIT	3	
23	163189	NUT – SPECIAL	2	
24	163190	NUT – SPECIAL	2	
25	100790	FITTING – ADAPTER HYD	2	
26	15903	FITTING – CONNECTOR HYD	2	
27	21030	FITTING – CONNECTOR HYD	2	
28	21804	FITTING – CONNECTOR HYD	2	
29	16227	FITTING – CONNECTOR HYD	2	
30	112184	FITTING – ADAPTER HYD	2	
31	21747	FITTING – CONNECTOR HYD	1	
32	30873	FITTING – HYD TEE	1	
33	135015	FITTING – ADAPTER HYD	1	
34	30282	FITTING – ELBOW 90° HYD	1	
35	112934	VALVE	1	
36	21031	FITTING – CONNECTOR HYD	1	
37	30994	PLUG – HEX CW O-RING	1	
38	167273	SWITCH – HEADER SUPERCHARGE/BRAKE	1	
39	135197	FITTING – TEE - HYDRAULIC SAE 4-4-4 070428	1	
40	30315	FITTING – ELBOW 45° HYD C/W O-RING	1	
41	135587	FITTING – COUPLING HYD – TEST PORT	1	
42	30813	CAP – TUBE 3/8 (M150 ONLY)	1	-195759
A	20055	BOLT – HH 3/8 NC X 2.25 LG GR 5 ZP		
B	18637	WASHER – REG. LOCK 3/8 IN. NOM. ID ZP		
C	18598	WASHER – SAE FLAT 13/32 ID X 13/16 IN OD ZP		

59 Header Drive Manifolds (M150)



1036229

HEADER DRIVE MANIFOLDS (M150)

NOTE:

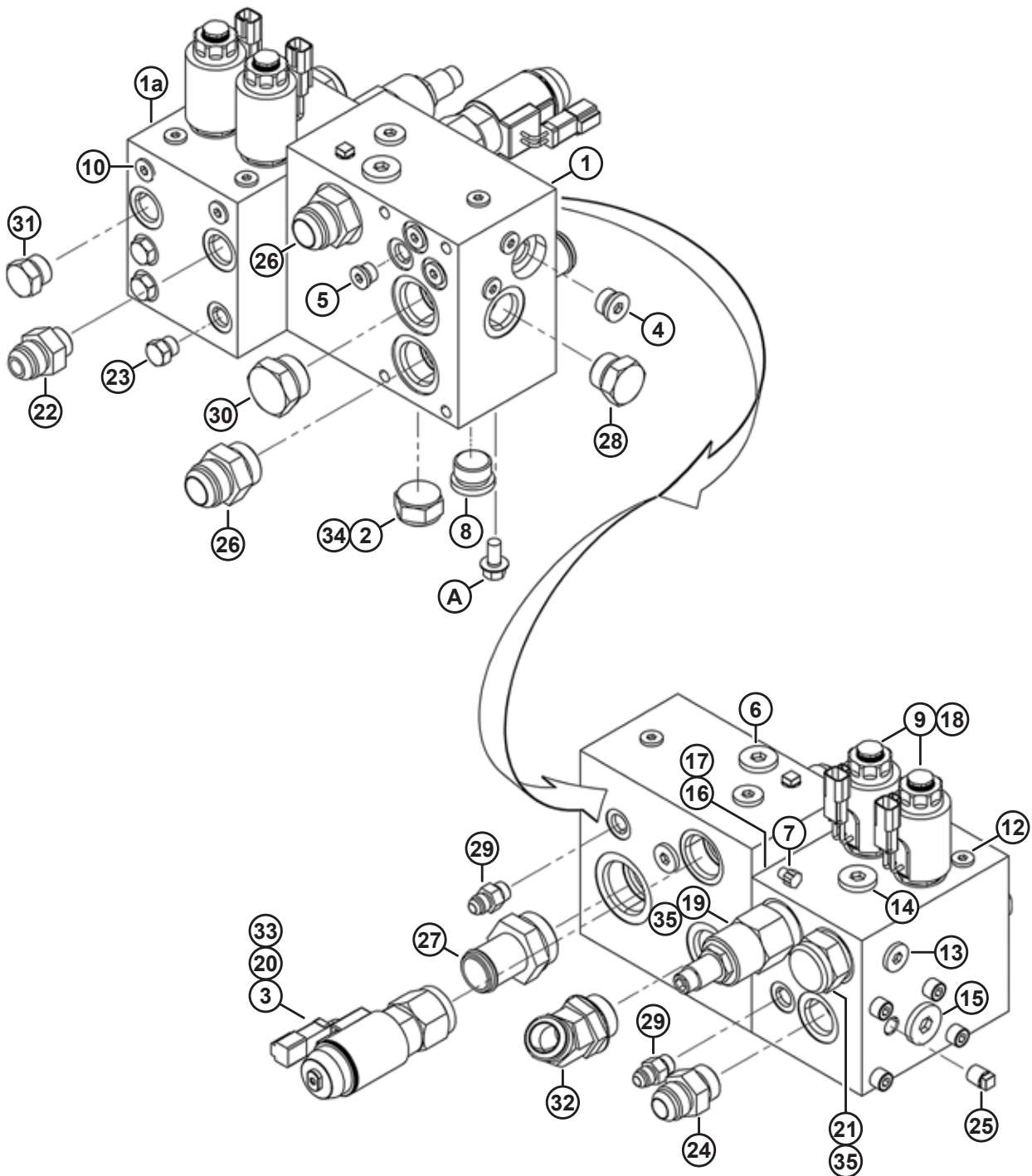
Refer to [81 \(Option\) Disc Drive Kit, page 239](#) for kit to configure the M150 Self-Propelled Windrower for use with the R80 Rotary Disc Header.

Ref	Part Number	Description	Qty	Serial Number
1	112955	MANIFOLD BLOCK ASSEMBLY – KNIFE DRIVE	1	
1a	166167	MANIFOLD BLOCK ASSEMBLY – REEL / DRAPER DRIVE	1	
2	163537	VALVE – CHECK	1	
3	163536	VALVE – KNIFE DRIVE SOLENOID	1	
	163192	NUT – SPECIAL	1	
4	158174	SAE PLUG	4	
5	30994	SAE PLUG	7	
6	135246	SAE PLUG	1	
7	135011	SAE PLUG	1	
8	103575	SAE PLUG	1	
9	163166	CONTROL – PROPORTIONAL FLOW	2	
	163178	SEAL KIT	A/R	
	163195	NUT – SPECIAL	2	
10	163167	KIT – SENSE CHECK	1	
11	163168	PLUG – ORIFICE (NOT ILLUSTRATED)	1	
12	163156	FITTING – ZERO LEAK GOLD #06, 9/16-18 UN 2A	1	
13	163159	FITTING – ZERO LEAK GOLD #08, 3/4-16 UN 2A	1	
14	163169	FITTING – ZERO LEAK GOLD #10, 7/8-14 UN 2A	1	
15	163170	FITTING – ZERO LEAK GOLD #12, 1-1/16-12 UN 2A	1	
16	163184	O-RING (WAS 163171)	1	
17	163172	O-RING	1	
18	163173	COIL – ASSEMBLY	2	
19	163174	VALVE – DIFF PRESS SENSE ¹¹²	1	
20	163194	COIL	1	
21	163165	VALVE – DIFF. PRESS. SENSING ¹¹²	1	
22	30610	FITTING – CONNECTOR HYD ¹¹³	1	
23	30994	PLUG – HEX CW O-RING	3	

112. Items #19 and 21 are reversed for units made in model year 2007 and prior.

113. Items #22 and 31 are reversed for units made in model year 2007 and prior.

HEADER DRIVE MANIFOLDS (M150)

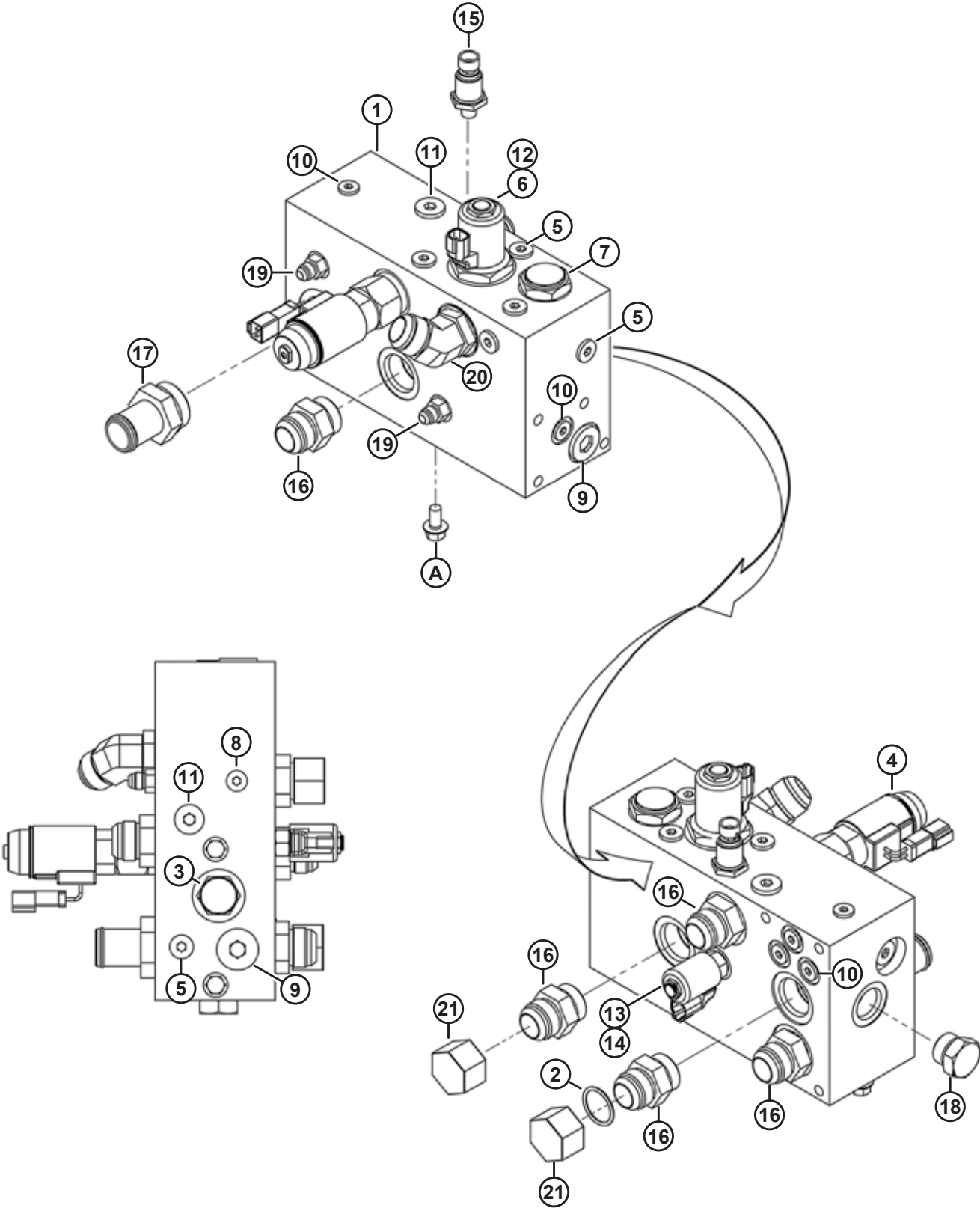


1036229

HEADER DRIVE MANIFOLDS (M150)

Ref	Part Number	Description	Qty	Serial Number
24	21830	FITTING – CONNECTOR HYD	1	
25	6007	PLUG – SQ HEAD PIPE	2	
26	21828	FITTING – ADAPTER HYD	2	
27	112854	FITTING – ADAPTER 1.25IN HOSE - 1.25 IN ORB	1	
28	103575	PLUG – HEX CW O-RING	1	
29	15903	FITTING – CONNECTOR HYD	2	
30	156051	PLUG – #16 ORB	1	
31	135246	PLUG – HEX CW O-RING ¹¹³	1	
32	112936	FITTING – ELBOW 45° HYD CW O-RING	1	
33	163176	SEAL KIT	1	
34	163175	SEAL KIT	1	
35	163177	SEAL KIT	2	
A	21821	BOLT – HH FLG (SERR FACE) 3/8 NC X 0.75 GR 5 ZP		

60 Header Drive Manifold (M200)



1036231

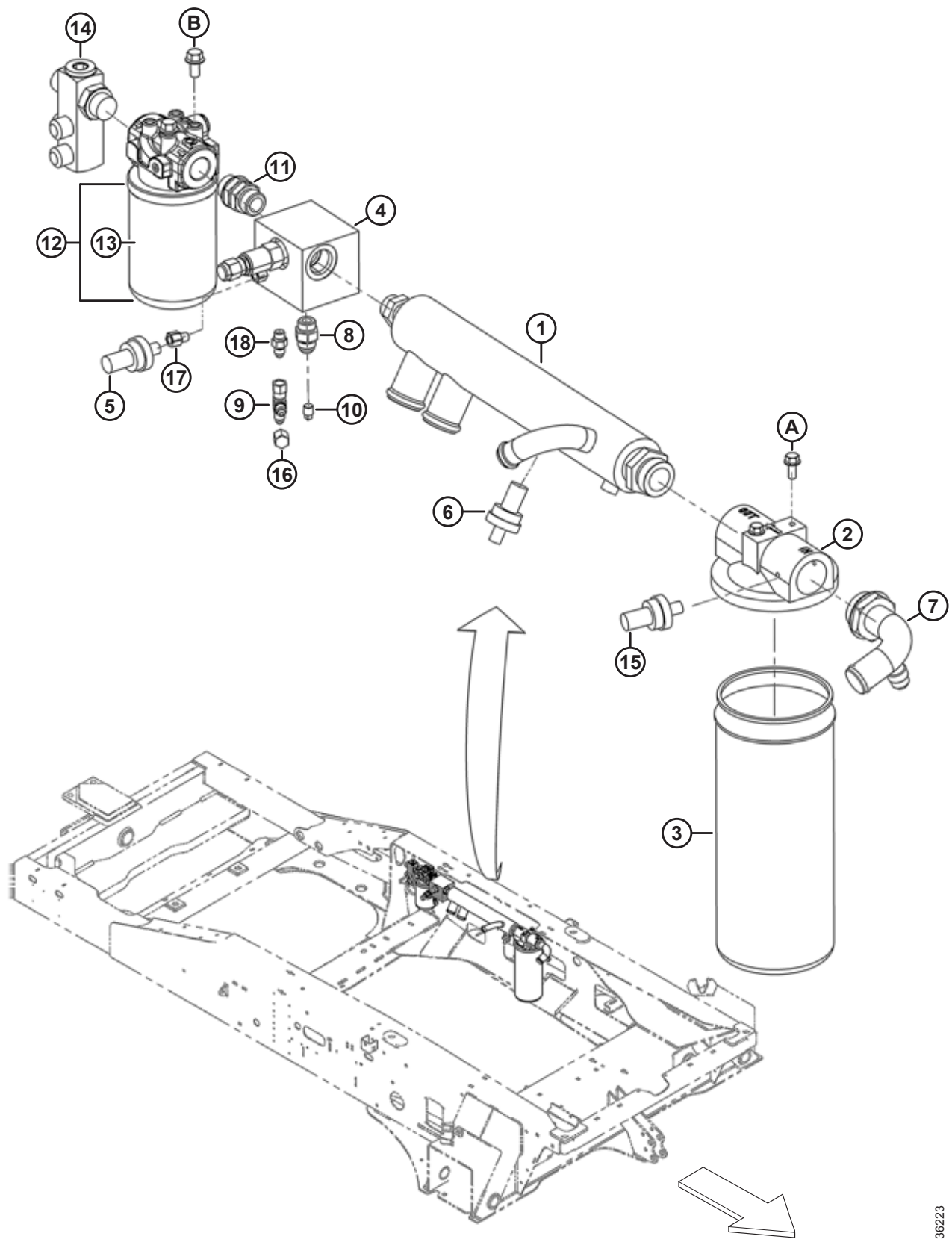
HEADER DRIVE MANIFOLD (M200)

Ref	Part Number	Description	Qty	Serial Number
1	112952	VALVE – BLOCK, 6 CYLINDER DRIVE	1	–179759
	162163	VALVE – BLOCK, 6 CYLINDER DRIVE, C/W ITEMS 3–14	1	179760–
2	50220	O-RING – SAE #16-1 ¹¹⁴	1	
3	163537	VALVE – CHECK	1	
	163175	SEAL KIT	1	
4	163536	VALVE – KNIFE DRIVE SOLENOID	1	
	163176	SEAL KIT	1	
	163194	COIL	1	
5	158174	PLUG – HEX SOCKET CW O-RING	9	
6	162203	VALVE – SOLENOID #20 N. C	1	
	162207	SEAL KIT	1	
7	162211	PLUG – CAVITY-#16	1	
8	163167	KIT – SENSE CHECK	1	
9	103575	PLUG – HEX CW O-RING	2	
10	100577	PLUG – HEX SOCKET CW O-RING	8	
11	135246	PLUG – HEX CW O-RING	2	
12	163154	COIL – TOUGH	1	
13	162205	VALVE – SOLENOID #8 N. O.	1	
	162208	SEAL KIT	1	
14	162206	COIL – TOUGH-#8	1	
15	111634	SENDER – PRESSURE, 5000 PSI	1	
16	21828	FITTING – ADAPTER HYD, #16 JIC MALE X #16 ORB MALE ¹¹⁵	5	
17	112854	FITTING – ADAPTER 1.25 IN HOSE - 1.25 IN ORB ¹¹⁵	1	
18	103575	PLUG – HEX CW O-RING	1	
19	15903	FITTING – CONNECTOR HYD, #6 JIC MALE X #6 ORB MALE ¹¹⁵	2	
20	112936	FITTING – ELBOW 45° HYD, #16 JIC MALE X #16 ORB MALE ¹¹⁵	1	
21	30905	NUT – CAP - 1 IN. TUBE	2	
A	21821	BOLT – HH FLG (SERR FACE) 3/8 NC X 0.75 GR 5 ZP		

114. For connection to Faster quick coupler.

115. ORB fittings include an O-ring on ORB thread.

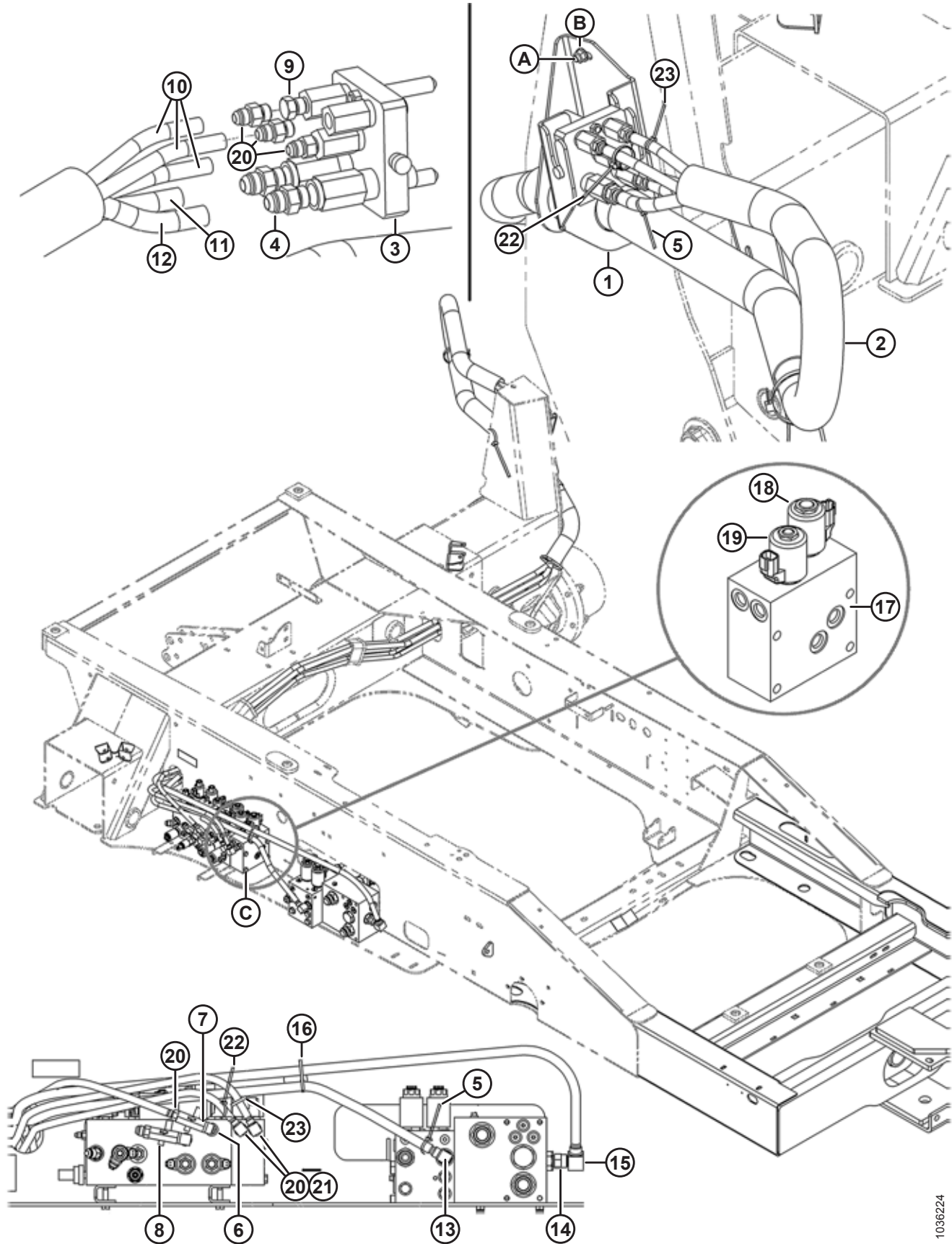
61 Return Manifold



RETURN MANIFOLD

Ref	Part Number	Description	Qty	Serial Number
1	112851	MANIFOLD – RETURN LINE	1	
2	151974	FILTER HEAD 1 5/8 IN-12 SAE (#20)	1	
3	110474	FILTER ELEMENT 10 MICRON ABSOLUTE	1	
4	111706	VALVE – SUPERCHARGE	1	
	111389	RELIEF VALVE 250 PSI	1	
	49846	SEAL KIT RELIEF VALVE	1	
	163156	FITTING	1	
5	112847	SWITCH – PRESSURE TRACTION SUPERCHARGE	1	
6	112848	SWITCH – HEADER SUPERCHARGE/BRAKE	1	
7	111541	FITTING – ELBOW 1.25 IN HOSE-1.25 IN ADJ ORB	1	
8	21030	FITTING – CONNECTOR HYD	1	
9	135591	FITTING – TEE - HYDRAULIC SAE 4-4-4 070432	1	
10	21791	PLUG – SQ HEAD PIPE	1	
11	112197	FITTING – CONNECTOR HYD CW O-RINGS	1	
12	138920	FILTER HEAD & ELEMENT ASSY	1	
13	112419	FILTER ELEMENT	1	
14	110454	FITTING – HYDRAULIC-COOLER BYPASS	1	
15	112849	SWITCH – HEADER FILTER BYPASS – M150	1	
	166136	SWITCH – HEADER FILTER BYPASS – M200	1	
16	30642	CAP – 1/4 " TUBE	1	
17	135546	FITTING – ADAPTER HYD WITH ORIFICE	1	
18	135588	FITTING – ADAPTER HYD (ORIFICED)	1	
A	30278	BOLT – HH FLG (SERR FACE) 5/16 NC X 0.75 GR 5 ZP		
B	21821	BOLT – HH FLG (SERR FACE) 3/8 NC X 0.75 GR 5 ZP		

62 Draper Header Reel Hydraulics



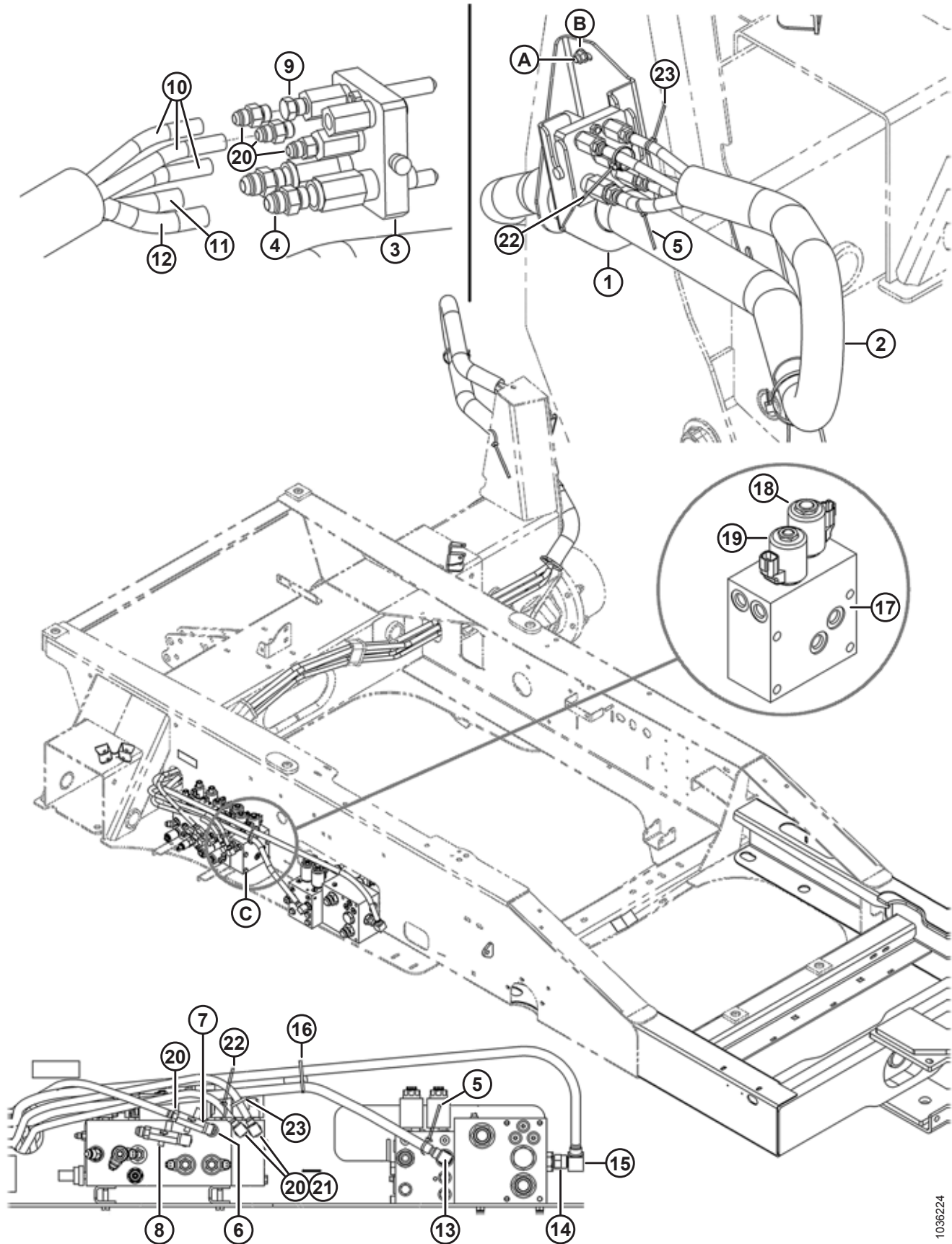
1036224

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 ¹¹⁶	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	3/8 IN. COUPLER-LONG	1	
	111986	1/4 IN. COUPLER	3	
	111987	COUPLER – 3/8 IN.	1	
4	21030	FITTING – CONNECTOR, HYDRAULIC	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	
9	30994	PLUG – HEX CW O-RING	2	
10	110544	HOSE – HYDRAULIC	3	
11	110542	HOSE – HYDRAULIC	1	
12	110543	HOSE – HYDRAULIC	1	
13	21801	FITTING – ELBOW 90° HYD	1	
14	135364	FITTING – ADAPTER HYD	1	
15	30556	FITTING – ELBOW 90° HYD	1	
16	21763	FASTENER – NYLON TIE	8	
17	110575	ASSY – AUX LIFT VALVE BLOCK (REEL FORE AFT-DWA)	1	
	163156	FITTING – ZERO LEAK GOLD #06, 9/16-18 UN 2A	1	
18	163191	NUT – SPECIAL	1	
	163160	SEAL KIT	1	
	163143	VALVE – SOLENOID	1	

116. Multicoupler (MD #135238) includes seal kits (MD #111981, 111982), couplers (MD #111985, 111986, 111987), dowel kit (MD #111984), and screw kit (MD #111983).

DRAPER HEADER REEL HYDRAULICS

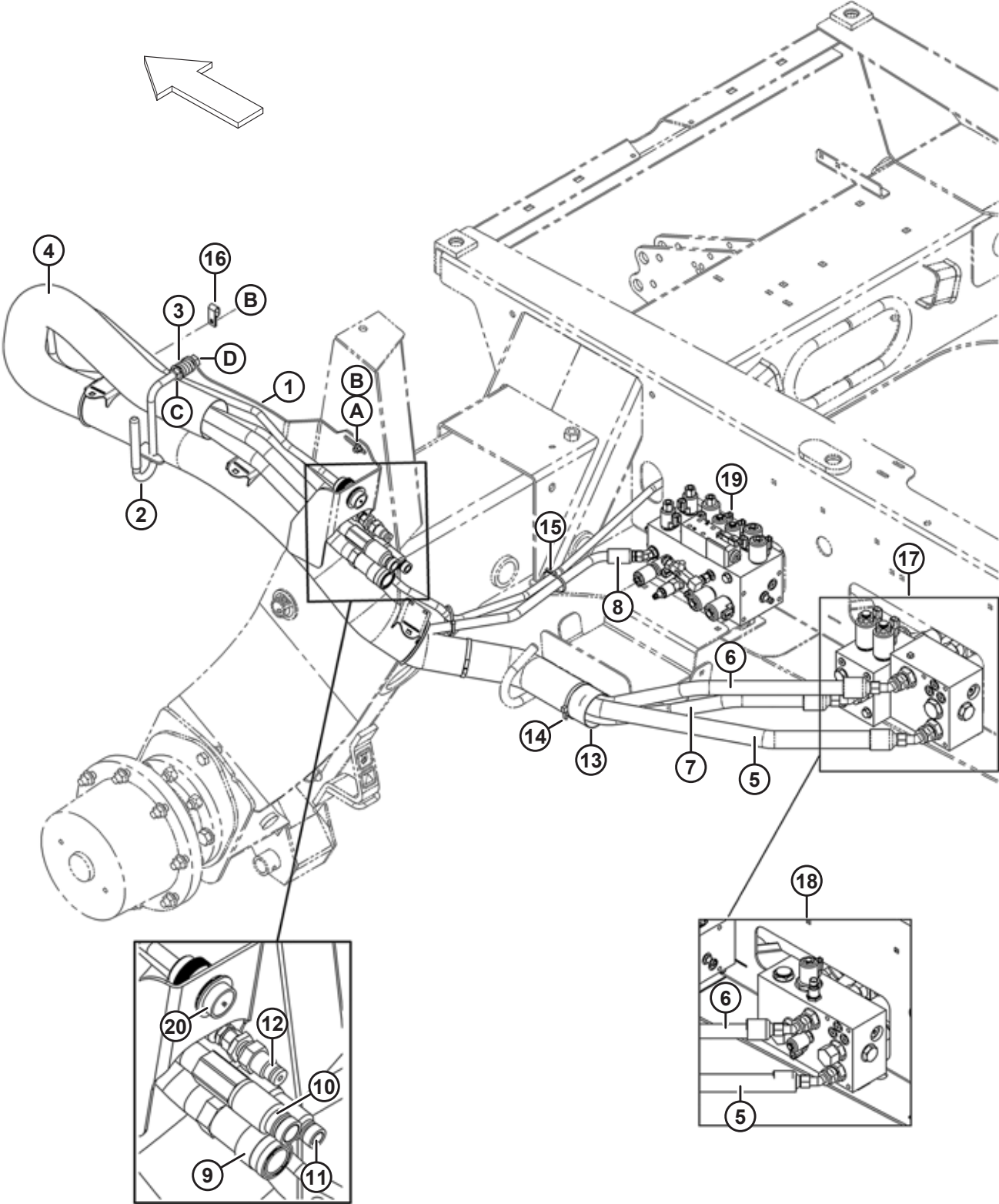


1036224

DRAPER HEADER REEL HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
19	163154	COIL – TOUGH	1	
	163142	VALVE – SOLENOID	1	
	49846	SEAL KIT	1	
	163155	COIL – TOUGH	1	
20	15903	FITTING – CONNECTOR HYD	6	
21	106717	FITTING – ELBOW 90° HYD	2	
22	40702	FASTENER – CABLE TIE, RED	2	
23	49227	FASTENER – CABLE TIE, GREEN	2	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16UNC		
C	21568	BOLT – HH 3/8 NC X 3.0 LG GR 5 ZP		

63 Left Couplers, Hydraulics



LEFT COUPLERS, HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
1	163125	SUPPORT – HOSES, LH	1	
2	163254	HANDLE – HOSE SUPPORT	1	
3	28700	SPRING – COMPRESSION	1	
4	110547	SLEEVE-HOSE	1	
5	110537	HOSE – HYDRAULIC	1	
6	110538	HOSE – HYDRAULIC	1	
7	110539	HOSE – HYDRAULIC ¹¹⁷	1	
8	110545	HOSE – HYDRAULIC	1	
9	135313	COUPLER – FEMALE HYD. 3/4 IN. FLAT FACE ¹¹⁸	1	
	111977	SEAL KIT	1	
10	135314	COUPLER - MALE HYD. 3/4 IN. FLAT FACE ¹¹⁹	1	
	135479	SEAL KIT	1	
11	135361	COUPLER – MALE HYD. 1/2 IN. FLAT FACE ¹²⁰	1	
	111979	SEAL KIT	1	
12	135237	COUPLER – MALE HYD. 3/8 IN. FLAT FACE BULKHEAD ¹²¹	1	
	111978	SEAL KIT	1	
13	163128	SLEEVE – HOSE	1	
14	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	A/R	
15	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG	A/R	
16	135233	CLAMP – WIRING HARNESS	1	
17	REF	DRIVE MANIFOLD – M150		
18	REF	DRIVE MANIFOLD – M200		
19	REF	HEADER LIFT MANIFOLD		
20	REF	WIRE HARNESS		
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		

117. M150 only.

118. Connects to hose MD #110537 (item #5).

119. Connects to hose MD #110538 (item #6).

120. M150 only, connects to hose MD #110539 (item #7).

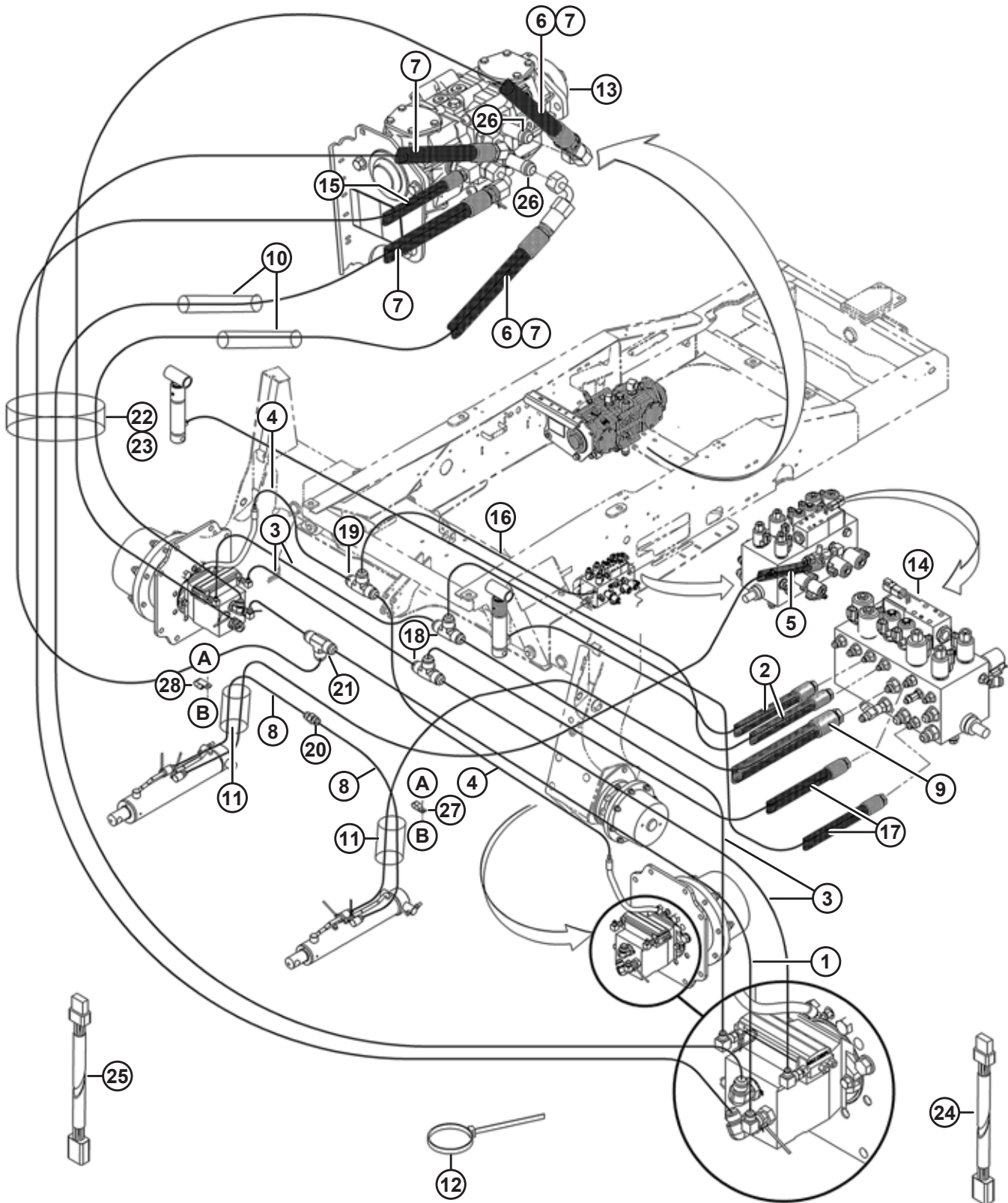
121. Connects to hose MD #110545 (item #8).



LEFT COUPLERS, HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
C	18600	WASHER – SAE FLAT 21/32 ID X 1 5/16 IN OD ZP		
D	50225	NUT – FLANGE DT SMOOTH FACE .625-11 UNC		

64 Traction Drive and Lift Hydraulics



1036250

TRACTION DRIVE AND LIFT HYDRAULICS

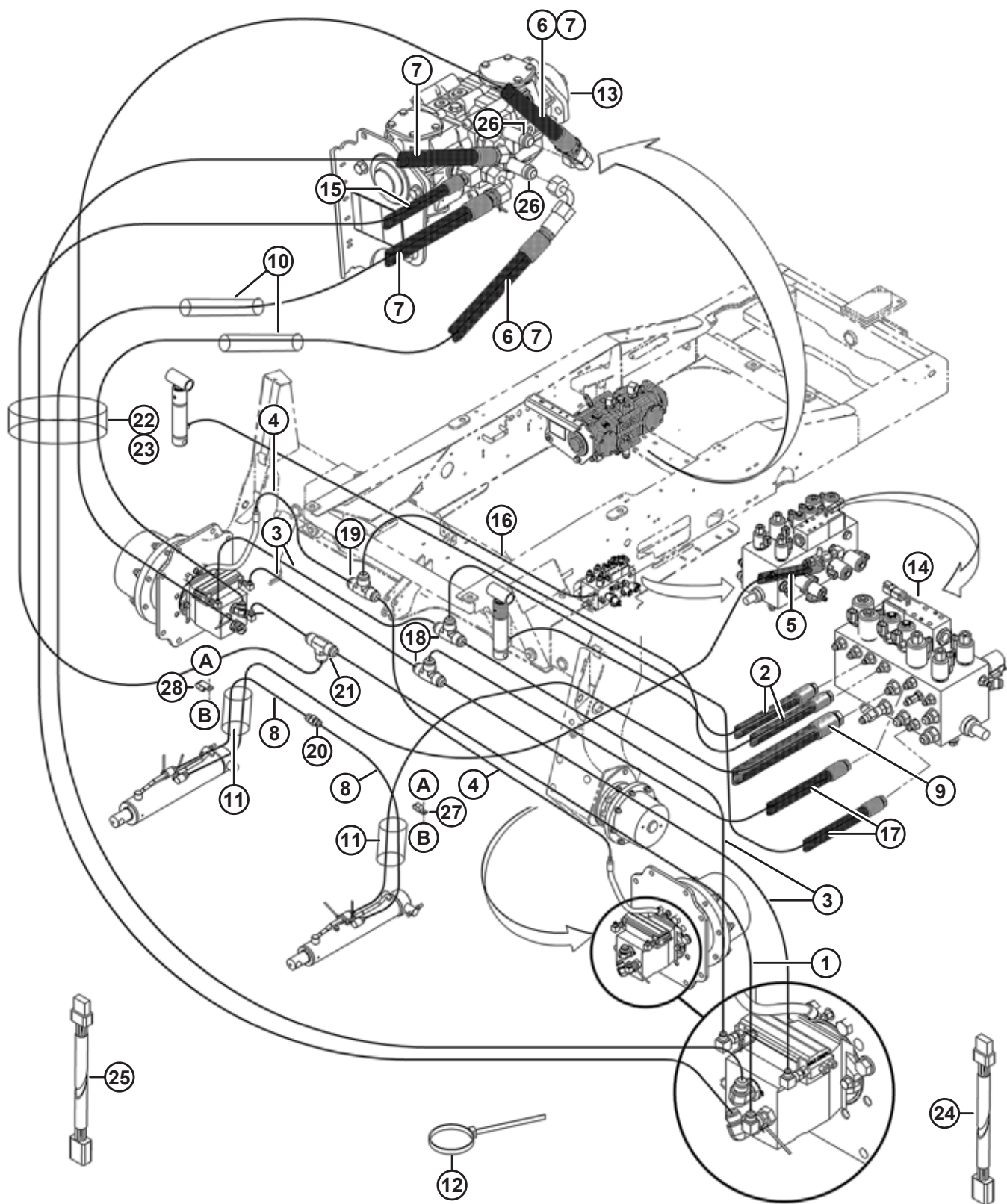
Ref	Part Number	Description	Qty	Serial Number
1	111312	HOSE – HYDRAULIC, CASE DRAIN	2	
2	111323	HOSE – HYDRAULIC, FLOAT	2	
3	172986	HOSE – HYDRAULIC ¹²²	4	
4	111326	HOSE – BRAKE	2	
5	111328	HOSE – HYDRAULIC LIFT	1	
6	111411	HOSE – HYDRAULIC, RH TRACTION PRESSURE, M150 KIT (166165 AND 166150)	2	–181999
	111311	HOSE – HYDRAULIC, RH TRACTION PRESSURE, M200 KIT (166164 AND 166150)	2	–181999
7	166165	HOSE – HYDRAULIC, TRACTION PRESSURE, M150 ¹²³	4	
	166164	HOSE – HYDRAULIC, TRACTION PRESSURE, M200 ¹²³	4	
8	111556	HOSE – HYDRAULIC LIFT	2	
9	111557	HOSE – HYDRAULIC LIFT RETURN	1	
10	112939	SLEEVE – TRACTION HOSE	4	
11	112940	SLEEVE	2	
12	21763	CABLE TIE – BLACK	A/R	
	49232	CABLE TIE – WHITE	A/R	
	49227	CABLE TIE – GREEN	A/R	
	135266	CABLE TIE – LIGHT BLUE	A/R	
13	REF	TRACTION DRIVE PUMP		
14	REF	HEADER LIFT MANIFOLD		
15	111426	HOSE – HYDRAULIC	1	
16	111327	HOSE – HYDRAULIC	1	
17	111324	HOSE – HYDRAULIC ¹²⁴	2	
18	7603	FITTING - TEE HYDRAULIC ¹²⁴	2	
19	18881	FITTING – TEE HYDRAULIC	1	
20	30375	FITTING – UNION HYDRAULIC	1	
21	30551	FITTING – TEE HYDRAULIC	1	
22	111564	HOSE HOLDER	1	
23	112230	CLAMP	1	

122. M150 units with serial numbers 195759 and prior: use a quantity of 2.

123. Units with serial numbers 181999 and prior: use a quantity of 2 unless fitting (item #26) is already installed.

124. M150 units with serial numbers 195759 and prior: use a quantity of 1.

TRACTION DRIVE AND LIFT HYDRAULICS

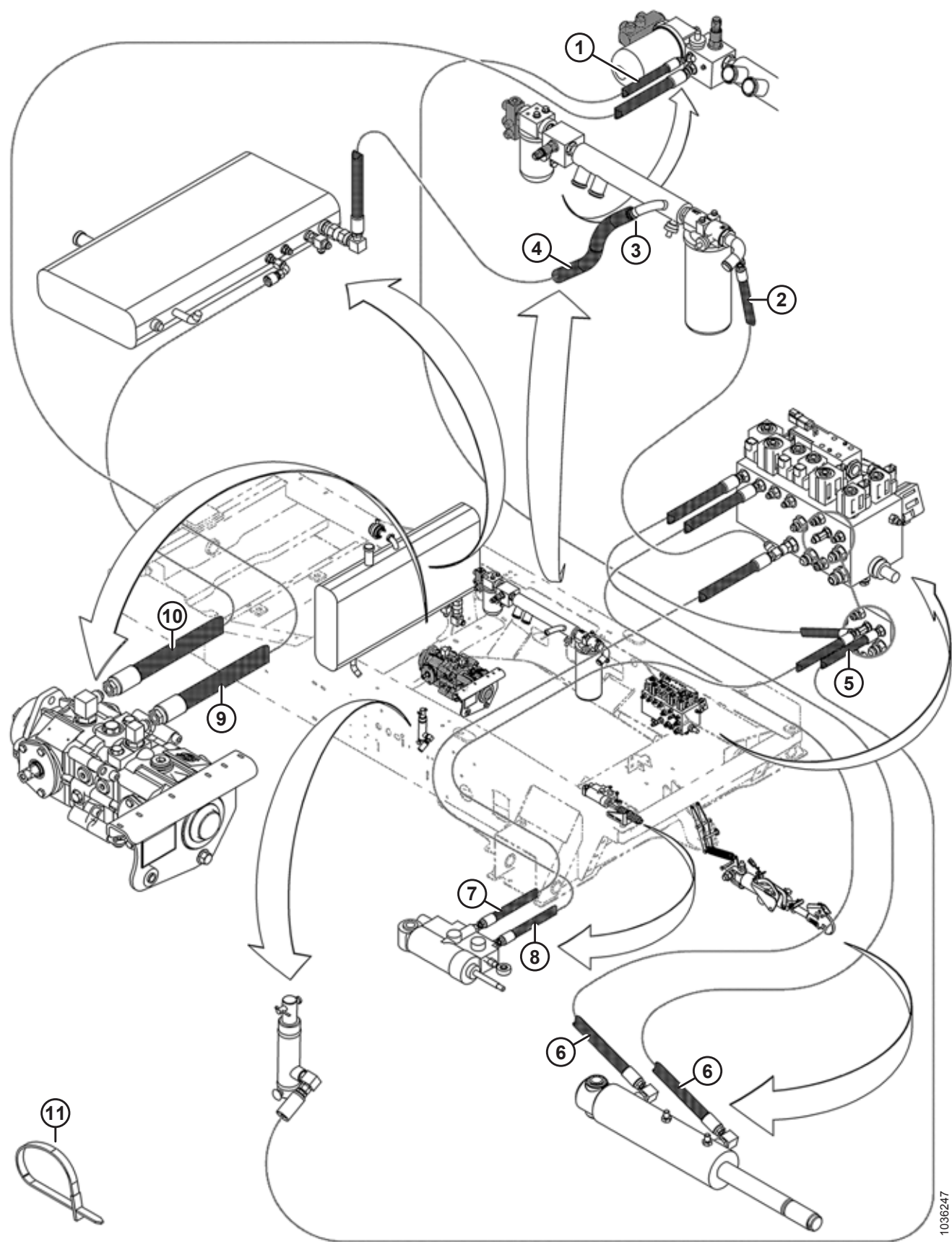


1036250

TRACTION DRIVE AND LIFT HYDRAULICS

Ref	Part Number	Description	Qty	Serial Number
24	109545	HARNESS – WHEEL LEG, LH	1	
25	109755	HARNESS – WHEEL LEG, RH	1	
26	166150	FITTING – CONNECTOR, LONG #12	2	
27	135235	CLAMP – DOUBLE HOSE, INSULATED	1	
28	103738	CLAMP – INSULATED, 13/16 IN.	1	
A	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
B	30228	NUT – FLANGE DT SMTH FACE 0.375-16 UNC		

65 Traction Charge, Center-Link, Interlock, and Servo

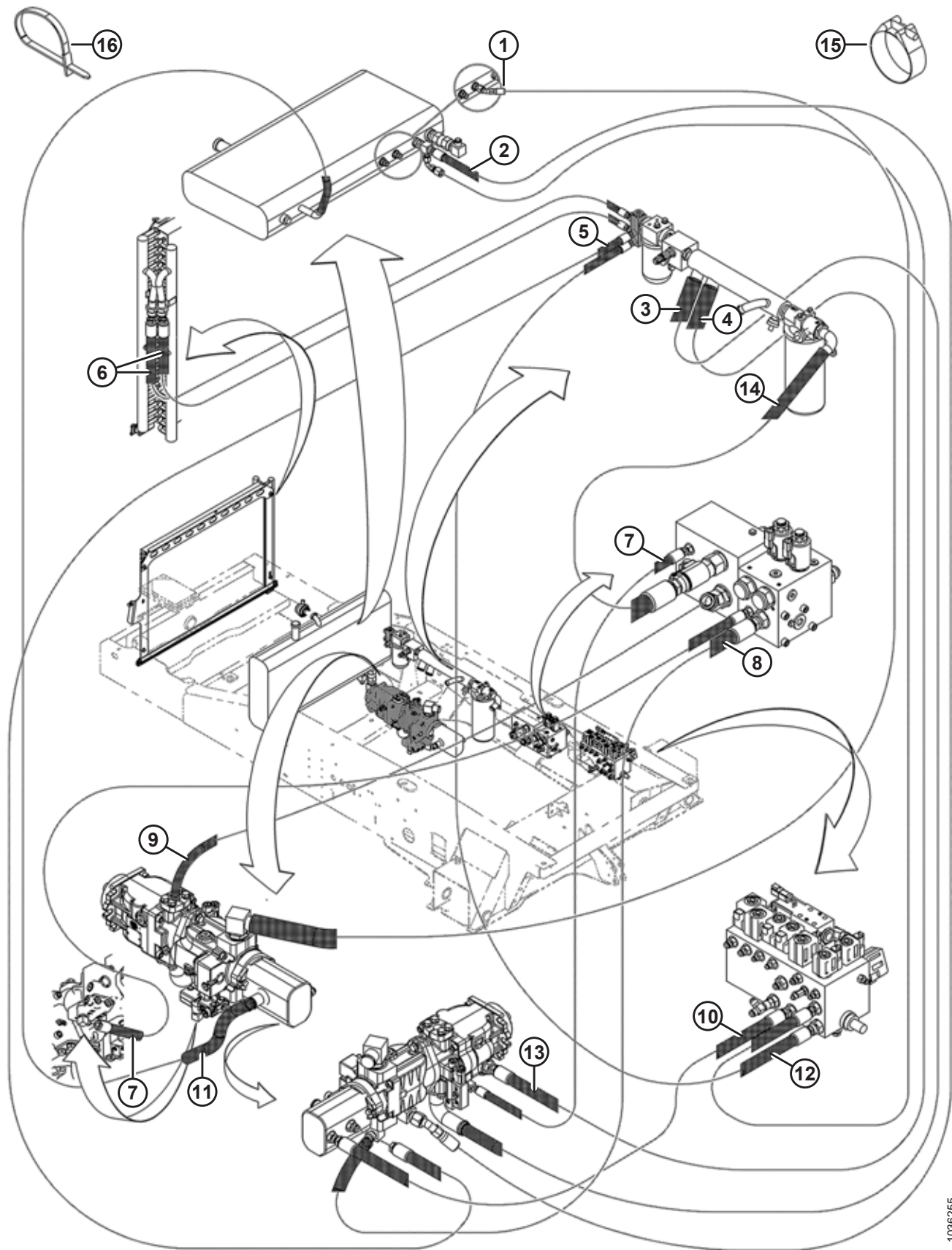


1036247

TRACTION CHARGE, CENTER-LINK, INTERLOCK, AND SERVO

Ref	Part Number	Description	Qty	Serial Number
1	36868	HOSE – HYDRAULIC	1	
2	111330	HOSE – HYDRAULIC	1	
3	135226	CLAMP – HOSE - HEAVY DUTY 1.31 - 1.56 INCH ID	1	
4	111732	HOSE – RETURN	1	–181999
	162305	HOSE – RETURN	1	182000–
5	111700	HOSE – HYDRAULIC	1	
6	172986	HOSE – HYDRAULIC	2	
7	33883	HOSE – HYDRAULIC	1	
8	110982	HOSE – HYDRAULIC	1	
9	111307	HOSE – HYDRAULIC	1	
10	111729	HOSE – HYDRAULIC	1	
11	21763	FASTENER – CABLE TIE, BLACK, 160 MM L G		

66 Header Charge and Cooling Hydraulics (M150)

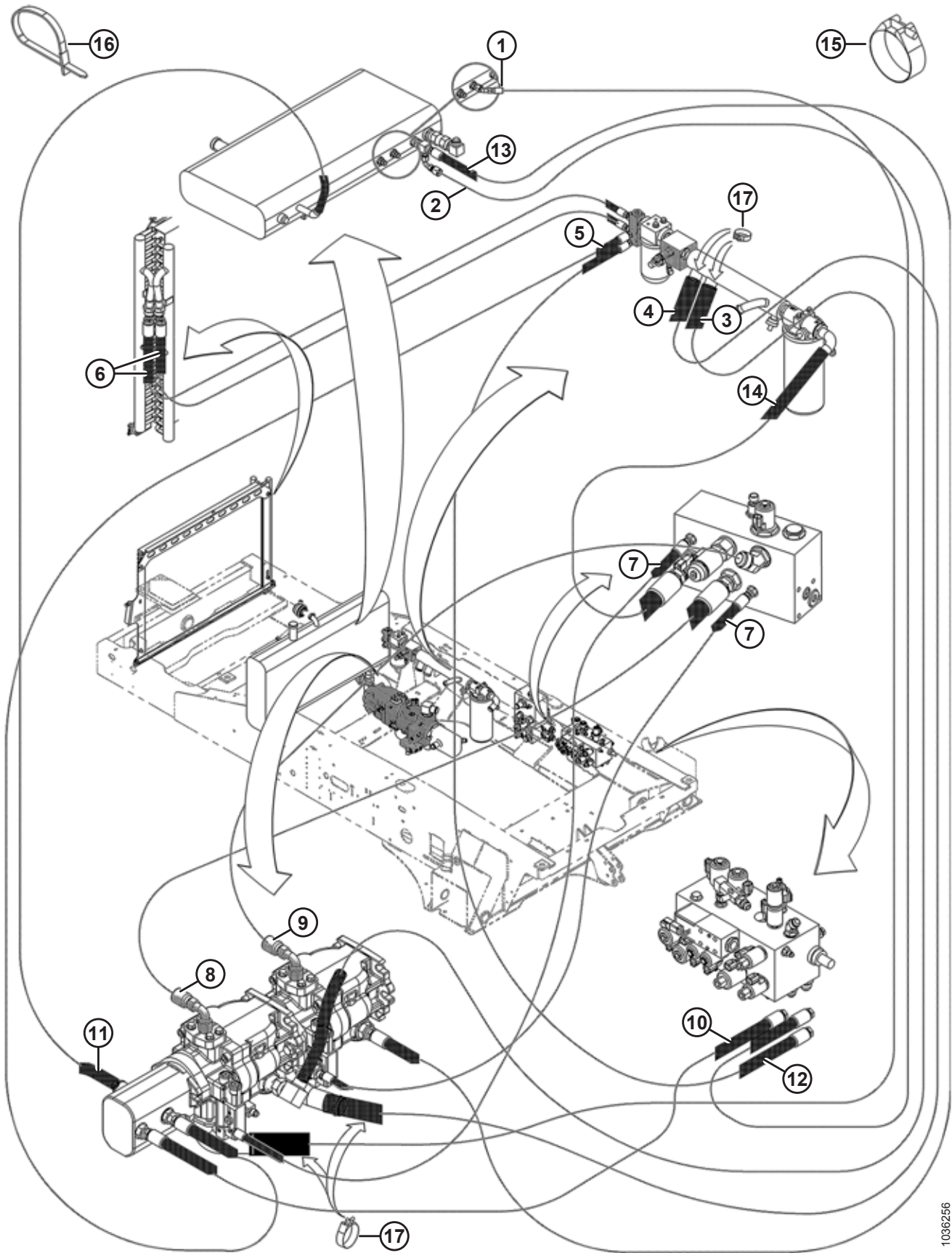


1036255

HEADER CHARGE AND COOLING HYDRAULICS (M150)

Ref	Part Number	Description	Qty	Serial Number
1	111704	HOSE – HYDRAULIC	1	
2	111728	HOSE – HYDRAULIC	1	
3	111733	HOSE – SUCTION	1	
4	111734	HOSE – SUCTION	1	
5	111705	HOSE – HYDRAULIC	1	
6	111305	HOSE – HYDRAULIC	2	
7	111702	HOSE – HYDRAULIC	2	
8	111561	HOSE – REEL-DRAPER DRIVE (4 CYL)	1	
9	111560	HOSE – KNIFE DRIVE 4 CYL	1	
10	111701	HOSE – HYDRAULIC	1	
11	111731	HOSE – SUCTION	1	
12	111319	HOSE – HYDRAULIC	1	
13	111686	HOSE – HYDRAULIC	1	
14	111730	HOSE – RETURN	1	
15	135227	CLAMP – HOSE - HEAVY DUTY 1.56 - 1.81 INCH ID		
16	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG		

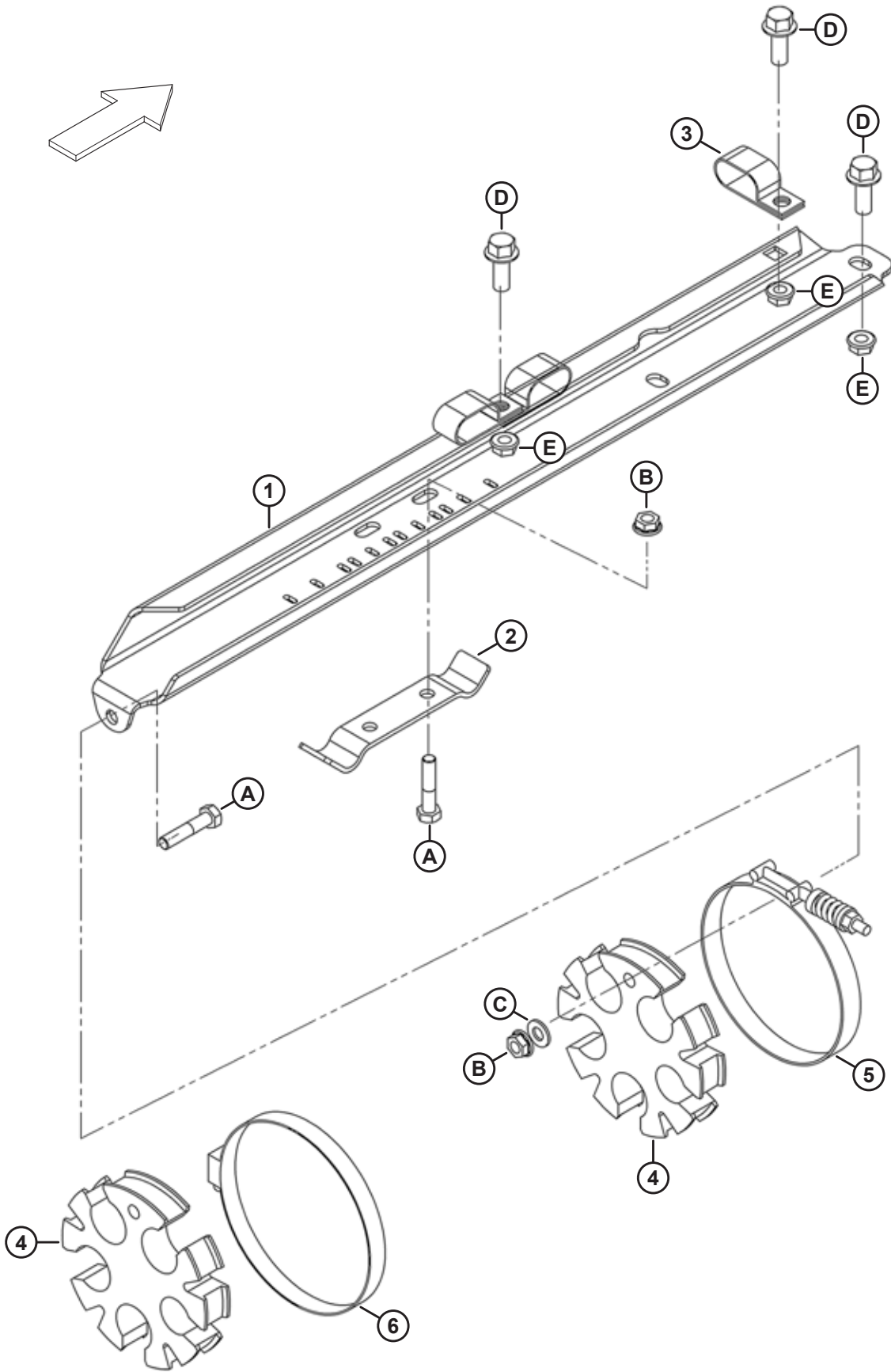
67 Header Charge and Cooling Hydraulics (M200)



HEADER CHARGE AND COOLING HYDRAULICS (M200)

Ref	Part Number	Description	Qty	Serial Number
1	111704	HOSE – HYDRAULIC	1	
2	111315	HOSE – HYDRAULIC	1	
3	111733	HOSE – SUCTION	1	
4	109983	HOSE – SUCTION	1	
5	111308	HOSE – HYDRAULIC	1	
6	111305	HOSE – HYDRAULIC	2	
7	111420	HOSE – HYDRAULIC	2	
8	111320	HOSE – REEL-DRAPER DRIVE (4 CYL)	1	
9	111309	HOSE – KNIFE DRIVE 4 CYL	1	
10	111316	HOSE – HYDRAULIC	1	
11	111730	HOSE – SUCTION	1	
12	111319	HOSE – HYDRAULIC	1	
13	109989	HOSE – HYDRAULIC	1	
14	111730	HOSE – RETURN	1	
15	135227	CLAMP – HOSE - HEAVY DUTY 1.56 - 1.81 INCH ID		
16	30753	FASTENER – CABLE TIE, BLACK, 305 MM LG		
17	135700	CLAMP – T-BOLT	4	

68 Hydraulic Line Support

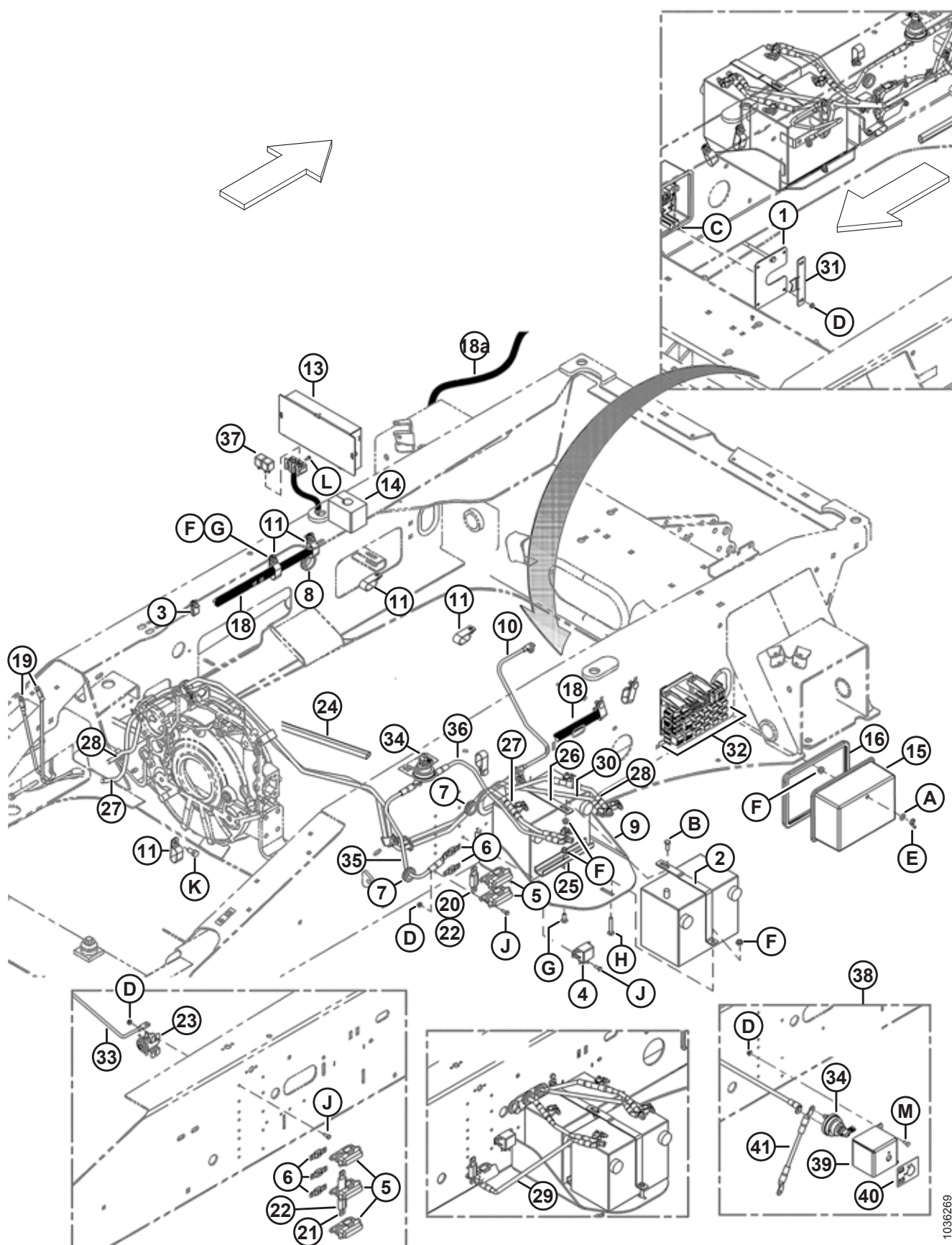


HYDRAULIC LINE SUPPORT

Ref	Part Number	Description	Qty	Serial Number
1	111566	SUPPORT – HYDRAULIC LINES	1	
2	111682	CLAMP	1	
3	135235	CLAMP – DOUBLE HOSE INSULATED	3	
4	111564	HOSE HOLDER ¹²⁵		
5	135870	CLAMP	1	
6	112230	CLAMP – M150 ONLY	1	
A	21268	BOLT – HH 5/16 NC X 1.5 LG GR 5 ZP		
B	30280	NUT – FLG SIDE LK SMTH FACE 5/16 NC GR 5 ZP		
C	18597	WASHER – SAE FLAT 11/32 ID X 11/16 IN OD ZP		
D	21975	BOLT – HH FLG (SERR FACE) 3/8 NC X 1.0 GR 5 ZP		
E	21452	NUT – FLANGE DT SMOOTH FACE		

125. M150 quantity = 2, M200 quantity = 1.

69 Electrical – Chassis



ELECTRICAL – CHASSIS

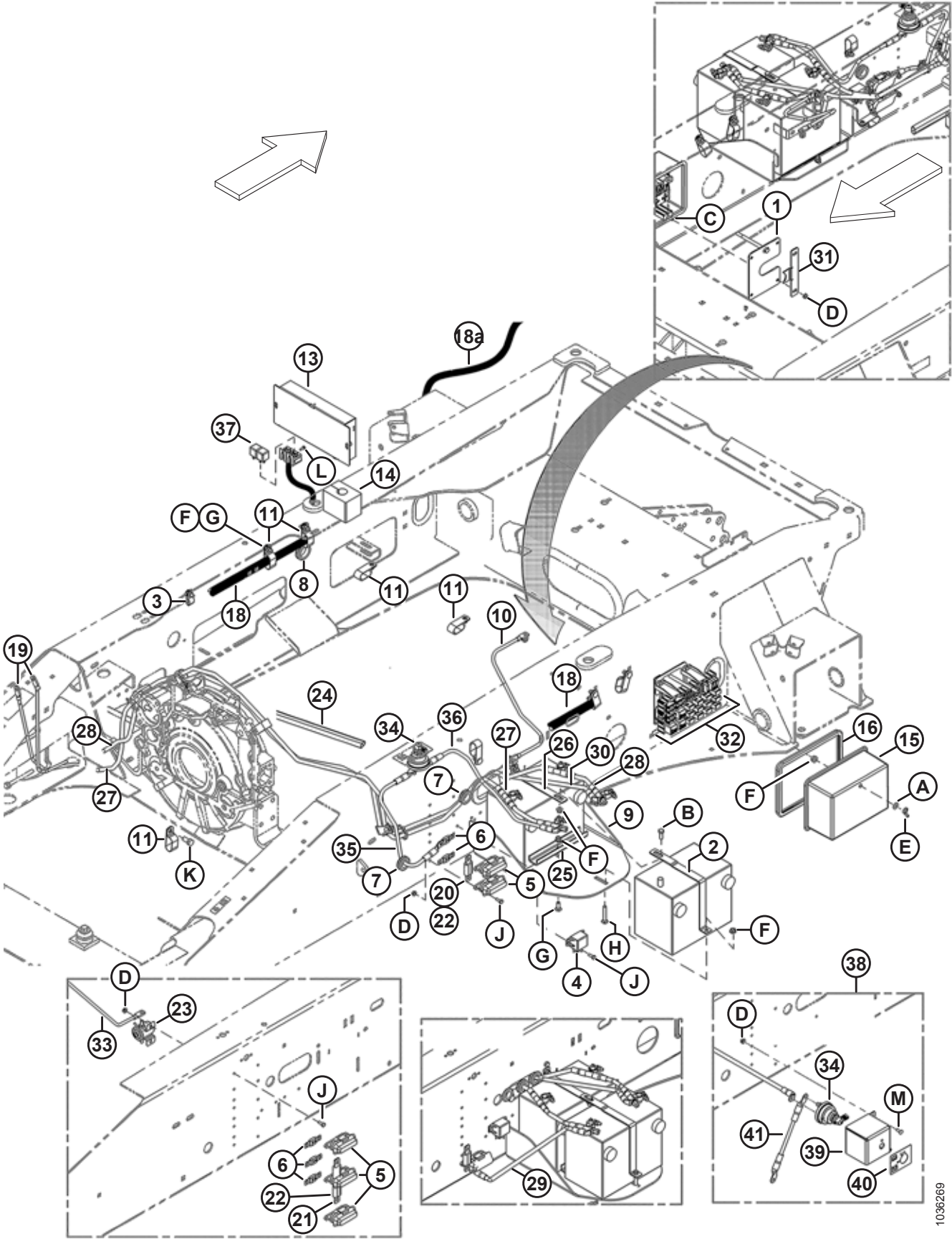
NOTE:

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. For specific electrical harness parts, refer to Electrical Connector Parts Catalog (MD #169641).

Ref	Part Number	Description	Qty M150/ M200	Serial Number
1	110586	COVER – FUSE PANEL WELDT	1	
2	163657	HOLDER – BATTERY	1	
3	39272	CLIP – INSULATED	1	
4	111504	POWER RELAY – 12V, 75A	1	
5	111506	FUSE – HOLDER	2/3	
6	111505	FUSE – 125 AMP	2/3	
7	112640	GROMMET	2	
8	111713	GROMMET – 1.50 IN. I.D.	1	
9	110400	SUPPORT – DUAL BATTERY	1	
10	111591	CABLE – GROUND CAB	1	
11	50022	CLAMP – INSULATED 15/16 INCH	13/12	
13	111667	MODULE – WINDROWER CONTROL	1	
14	109835	SEAL – FOAM	1	
15	109962	ASSY – FUSE COVER WITH GASKET ¹²⁶	1	
16	139366	GASKET – FUSE BLOCK COVER	1	
18	109840	HARNESS – CHASSIS, M150 TIER 3	1/0	–195759
	166268	HARNESS – CHASSIS, M150 TIER 3	1/0	195760–
	109841	HARNESS – CHASSIS, M200 TIER 3	0/1	–195759
	166269	HARNESS – CHASSIS, M200 TIER 3	1/0	195760–
18a	183463	KIT – CHASSIS HARNESS REPAIR ¹²⁷	1	
19	109756	HARNESS – STARTER TO ALTERNATOR (M150)	1/0	
	109977	HARNESS – STARTER TO ALTERNATOR (M200)	0/1	
20	109993	BAR – BUSS, MAIN FUSES (M150)	1/0	
21	111671	BAR – SHORTING, FUSE (M200)	0/1	
22	111672	INSULATOR – SHORTING BAR	1/2	
23	111669	RELAY – SOLENOID, 12 V, 85 A (M200)	0/1	

126. Includes gasket (MD #139366). To order the proper fuse block decal for your serial number, refer to Section [72 Information Decals and Reflectors, page 221](#).

127. Chassis harness, front left corner to header connection.

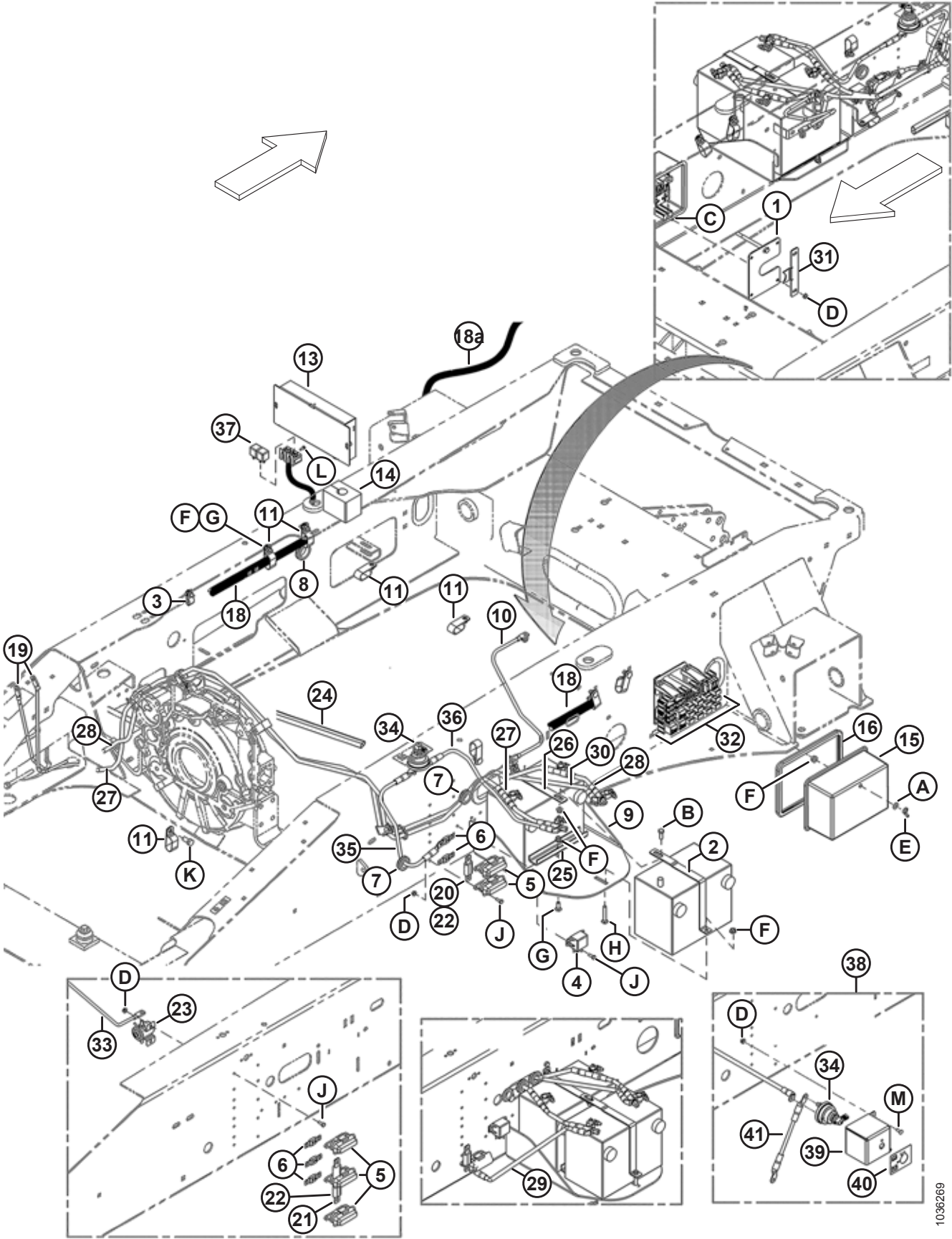


1036269

ELECTRICAL – CHASSIS

Ref	Part Number	Description	Qty M150/ M200	Serial Number
24	111712	SLEEVE	1	
25	111465	CHANNEL – BATTERY SPACER	1	
26	163656	ANGLE – SECOND BATTERY	1	
27	109951	CABLE – DUAL BATTERY, POSITIVE (M150)	1/0	
	109978	CABLE – DUAL BATTERY, POSITIVE (M200)	0/1	
28	109953	CABLE – DUAL BATTERY, NEGATIVE (M150)	1/0	
	109979	CABLE – DUAL BATTERY, NEGATIVE (M200)	0/1	
29	109955	CABLE – BATTERY TO FUSES, POSITIVE	1	–195759
30	109956	CABLE – BATTERY TO FRAME, NEGATIVE	1	
31	163386	BRACKET – FUSE PANEL HARNESS SUPPORT	1	
32	REF	FUSE BLOCK ¹²⁸		
	135215	FUSE – ATC, 5 AMPS	A/R	
	135217	FUSE – ATC, 10 AMPS	A/R	
	135218	FUSE – ATC, 15 AMPS	A/R	
	135219	FUSE – ATC, 20 AMPS	A/R	
	135203	FUSE – MAXI, 20 AMPS	A/R	
	135207	FUSE – MAXI, 30 AMPS	A/R	
	135208	FUSE – MAXI, 50 AMPS	A/R	
	135210	FUSE – MAXI, 60 AMPS	A/R	
	135458	CIRCUIT BREAKER – ATC, 10 AMPS	A/R	
	135459	CIRCUIT BREAKER – ATC, 15 AMPS	A/R	
	135625	CIRCUIT BREAKER – ATC, 20 AMPS	A/R	
	135687	CIRCUIT BREAKER – ATO/ATC, 30 AMPS, BLADE	A/R	
	134164	CIRCUIT BREAKER – MAXI, TYPE 1, 30 AMPS	A/R	
	111856	RELAY – MICRO, 12VDC, 30A SPDT	A/R	
	30215	RELAY – MINI, 12VDC, 40A, SPST	A/R	
33	109960	CABLE – GLOW PLUGS	0/1	
34	166271	SWITCH – BATTERY MASTER DISCONNECT	1	
35	183097	CABLE – SWITCH TO FUSES	1	195760–
36	183030	CABLE – BATTERY TO SWITCH	1	195760–

128. Refer to Section [70 Electrical – Fuse Block, page 215](#) for fuse usage and location.

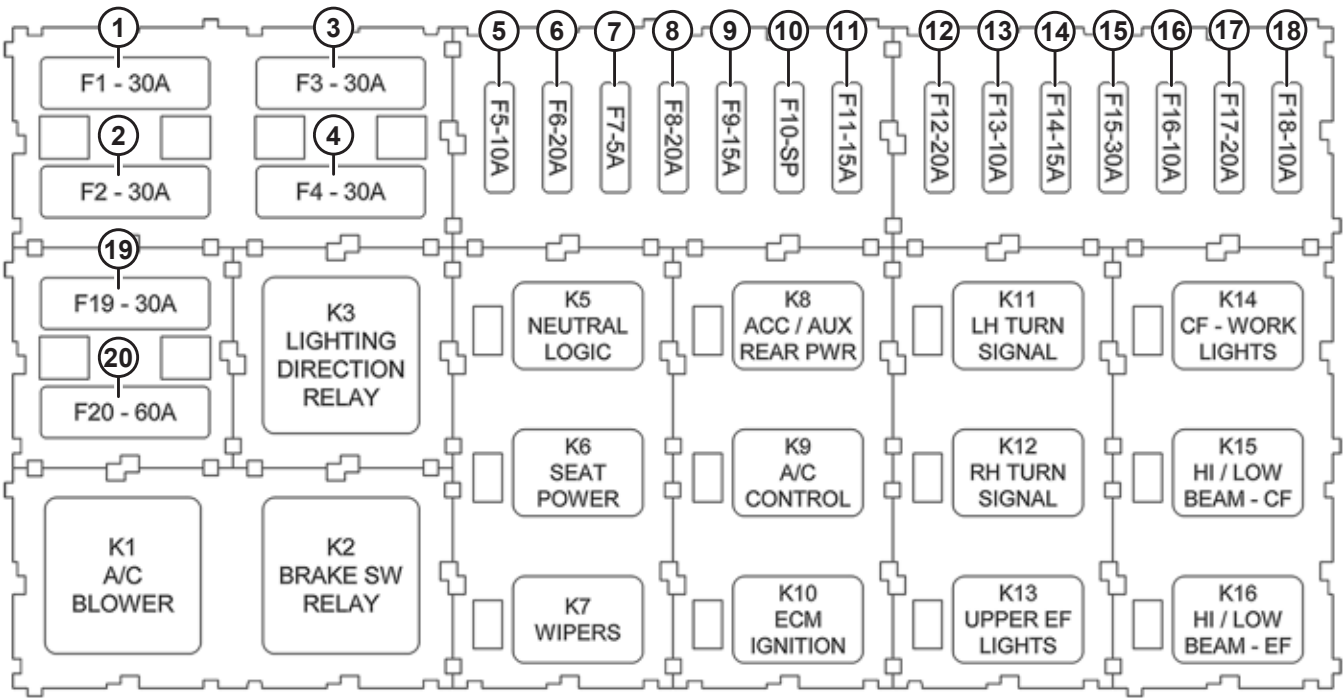


1036269

ELECTRICAL – CHASSIS

Ref	Part Number	Description	Qty M150/ M200	Serial Number
37	30215	RELAY – MINI, 12VDC, 40A, SPST	2	195760–
38	166311	KIT – BATTERY DISCONNECT, M SERIES	1	–195759
39	166252	BRACKET – BATTERY DISCONNECT SWITCH	1	–195759
40	166316	DECAL – BATTERY DISCONNECT SWITCH	1	–195759
41	166310	CABLE – DISCONNECT SWITCH TO FUSES	1	–195759
A	18598	WASHER – SAE FLAT 13/32 ID X 13/16 OD ZP		
B	20077	BOLT – HEX HD 3/8 NC X 1.0 LG GR 5 ZP		
C	21573	BOLT – HEX HD 1/4 NC X 1.0 LG GR 5 ZP		
D	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZP		
E	21289	NUT – WING TYPE A 3/8 NC ZP		
F	30228	NUT – FLANGE DT SMOOTH FACE 0.375-16 UNC		
G	19965	BOLT – RHSN 3/8 NC X 1.0 GR 5 ZP		
H	30432	BOLT – RHSN TFL 3/8 NC X 2 1/4 TFL GR 5 ZP		
J	21566	BOLT – HEX HD 1/4 NC X 0.75 LG GR 5 ZP		
K	50155	BOLT – HH M12 X 1.75 X 25 LG ZP (M150 ONLY)		
L	21947	SCREW – SELF-TAPPING, HEX WASHER HD #10 X 5/8 INCH		
M	21476	BOLT – RHSN, 1/4 NC X 0.75 LG GR 5 ZP		

70 Electrical – Fuse Block



1036267

ELECTRICAL – FUSE BLOCK

Ref	Part Number	Description	Qty	Serial Number
1	135207	FUSE – MAXI, 30 AMPS ¹²⁹	A/R	
2	135207	FUSE – MAXI, 30 AMPS ¹³⁰	A/R	
3	134164	CIRCUIT BREAKER – MAXI, TYPE 1, 30 AMPS ¹³¹	A/R	
4	134164	CIRCUIT BREAKER – MAXI, TYPE 1, 30 AMPS ¹³²	A/R	
5	135217	FUSE – ATC, 10 AMPS ¹³³	A/R	
6	135219	FUSE – ATC, 20 AMPS ¹³⁴	A/R	
7	135215	FUSE – ATC, 5 AMPS ¹³⁵	A/R	
8	135219	FUSE – ATC, 20 AMPS ¹³⁶	A/R	
9	135218	FUSE – ATC, 15 AMPS ¹³⁷	A/R	
10	REF	SPARE ¹³⁸	A/R	
11	135218	FUSE – ATC, 15 AMPS ¹³⁹	A/R	
12	135219	FUSE – ATC, 20 AMPS ¹⁴⁰	A/R	
13	135458	CIRCUIT BREAKER – ATC, 10 AMPS ¹⁴¹	A/R	
14	135218	FUSE – ATC, 15 AMPS ¹⁴²	A/R	
15	135687	CIRCUIT BREAKER – ATO/ATC, 30 AMPS, BLADE ¹⁴³	A/R	
16	135458	CIRCUIT BREAKER – ATC, 10 AMPS ¹⁴⁴	A/R	
17	135219	FUSE – ATC, 20 AMPS ¹⁴⁵	A/R	
18	135217	FUSE – ATC, 10 AMPS ¹⁴⁶	A/R	

129. F1 – A/C blowers

130. F2 – Chassis power

131. F3 – Road lights high/low

132. F4 – Road/work lights

133. F5 – Key power

134. F6 – Wipers/beacon/horn

135. F7 – ECM ignition

136. F8 – Lighter / AUX power plug

137. F9 – ACC/AUX power rear #1

138. F10 – Spare

139. F11 – A/C control

140. F12 – Seat motor

141. F13 – Park break circuit

142. F14 – Turn/hazard signals

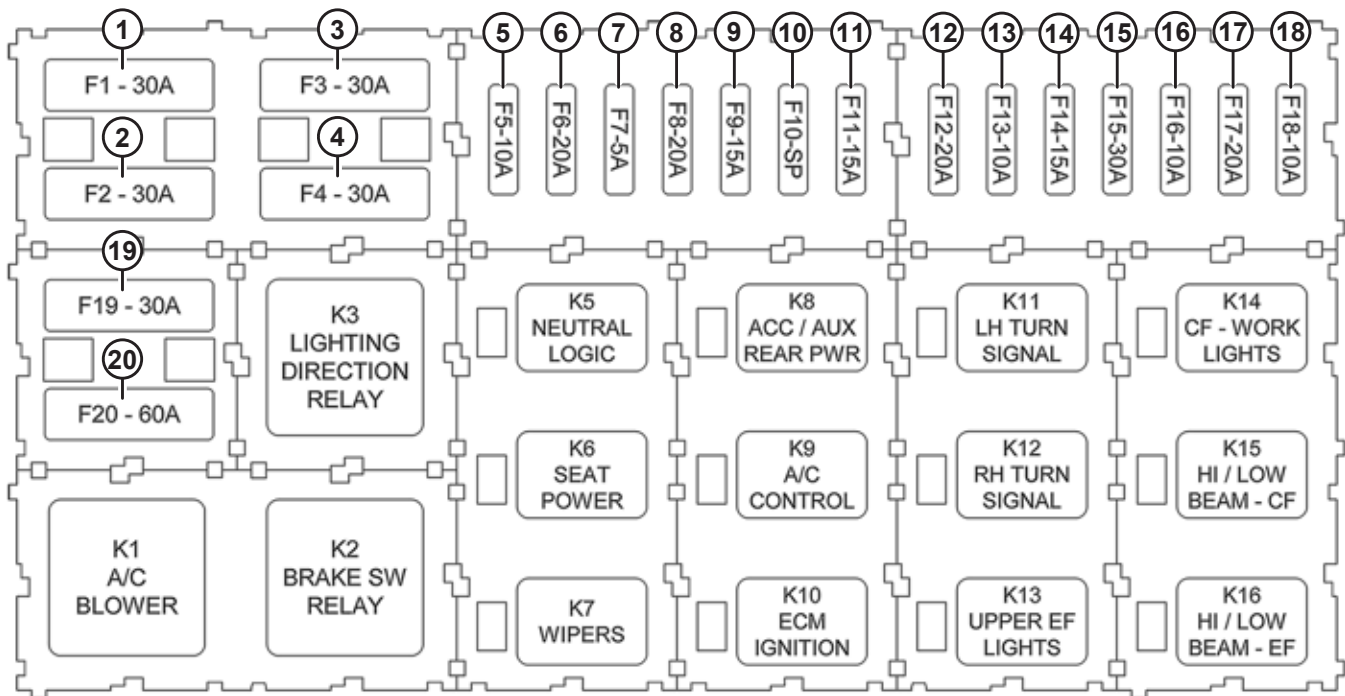
143. F15 – Road lights

144. F16 – Console/dome lights

145. F17 – ACC/AUX power rear #2

146. F18 – Radio memory

ELECTRICAL – FUSE BLOCK



1036267

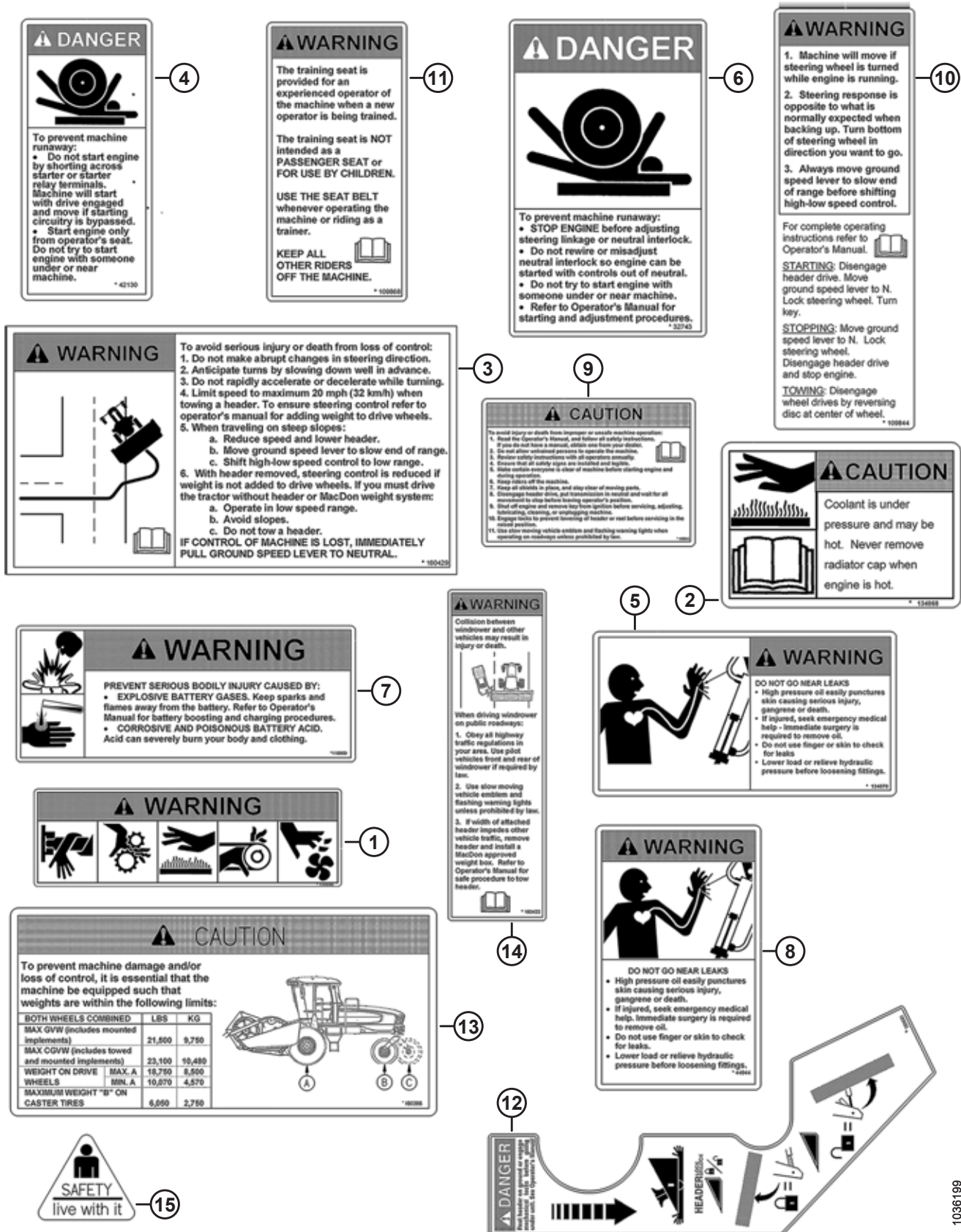
ELECTRICAL – FUSE BLOCK

Ref	Part Number	Description	Qty	Serial Number
19	135207	FUSE – ATC, 30 AMPS ¹⁴⁷	A/R	
20	135210	FUSE – MAXI, 60 AMPS ¹⁴⁸	A/R	

147. F19 – ECM power

148. F20 – Glow plugs, M200 only (M150 – Spare)

71 Safety Decals



SAFETY DECALS

NOTE:

For Russian language decals, refer to *75 Russian Language Decal Package, page 227*.

Ref	Part Number	Description	Qty	Serial Number
1	110986	DECAL – WARNING		
2	134068	DECAL – CAUTION, COOLANT PRESSURE		
3	160429	DECAL – WARNING, STEERING CONTROL		
4	42130	DECAL – DANGER		
5	134070	DECAL – WARNING, HIGH PRESSURE FLUID (HORIZONTAL FORMAT)		
6	32743	DECAL – DANGER		
7	110989	DECAL – WARNING		
8	44944	DECAL – WARNING, HIGH PRESSURE FLUID (VERTICAL FORMAT)		
9	109843	DECAL – GENERAL CAUTION		
10	109844	DECAL – WARNING		
11	109868	DECAL – WARNING, TRAINING SEAT AND SEAT BELTS		
12	163561	DECAL – HEADER LOCK RH		
	163562	DECAL – HEADER LOCK LH		
13	160396	DECAL – CAUTION, GVW M150/M200		
14	160422	DECAL – WARNING, TRANSPORT		
15	32744	DECAL – SAFETY: LIVE WITH IT		

72 Information Decals and Reflectors

1

IMPORTANT

AFTER ADJUSTING WIDTH OF WALKING BEAM:

1. Snug all four bottom bolts (A).
2. Tighten eight back bolts (B) to 330 ft. lbs.
3. Return to bolts (A) and tighten to 330 ft. lbs.
4. After four hours operation check that all bolts are still at 330 ft. lbs.
5. Check daily until torque values do not change.

2

This product may be covered by one or more of the following patents:

CDN. # 1075914	U.S. # 35543
CDN. # 1226739	U.S. # 4346909
CDN. # 1240158	U.S. # 4573309
CDN. # 1244248	U.S. # 4660361
CDN. # 1267252	U.S. # 4662161
CDN. # 1322104	U.S. # 4956036
AUSTRALIA # 615149	U.S. # 5086613
AUSTRALIA # 617821	U.S. # 5157905
KAZAKHSTAN # 4372	U.S. # 5243810
RUSSIA # 1526389	U.S. # 5261290
UKRAINE # 3440	U.S. # 5430229
ITALY # 0717922	U.S. # 5459986
FRANCE # 0717922	U.S. # 5473872
GERMANY # 0717922	U.S. # 5676398
U.K. # 0717922	U.S. # 5791128
	U.S. # 5927606
	U.S. # 5970895
	U.S. # 5992759
	U.S. # 6029429

Other patents pending.

13

IMPORTANT

- Maintain 220 ft. lbs. (300 Nm) wheel nut torque.
- Torque in numbered sequence. Repeat sequence 3 times.
- When a wheel is removed, and on new machines, retighten every 15 minutes on the road or 1 hour in the field until specified torque is maintained.

14 16

3

4 5 7

HYDRAULIC SYSTEM

USE SAE 15W40 ENGINE OIL

Check oil level daily. Fill to "FULL" mark with header on ground. Refer to operator's manual for oil specifications. Approximate refill capacity: 64 litres, or 17 US gallons.

21

CLOSED COOLANT SYSTEM

- Pressurized radiator cap—KEEP TIGHT.
- Coolant system is factory filled with 50% anti-freeze/water mixture.
- Maintain coolant level in reservoir within "NORMAL" range shown.
- Refer to the Operator's Manual for safe procedure to refill the radiator.

134009

16

6

11 12

IMPORTANT

Torque wheel bolts to 120 ftlbs. Retorque after first hour of operation.

22

For optimum performance refer to operator's manual for correct line pressure to match the attachment being carried.

15

IMPORTANT

DIESEL FUEL ONLY

23

18

8

23

24

FIELD OFF HIGH ON

ROAD LIGHTS LOW REAR WIPER FRONT WIPER

9

FIELD OFF HIGH

ROAD LOW BEACON HORN REAR WIPER FRONT WIPER

10

20

REFRIGERANT 134a
Capacity: 1.63 kg or 3.6 lbs.
Service by qualified technician only

COMPRESSOR OIL
SANDEN SP-15 PAG OIL
Use of other oil voids warranty.

19

ID	FUSE	RATION	ID	FUSE	RATION	ID	FUSE	RATION
F1	40A	AC BLOWER	F8	20A	LIGHTS / A/C / PWR / PWS	F15	30A	REAR WIPER
F2	40A	CHASSIS POWER	F9	20A	ACC / AUX / PWR / PWS	F16	30A	COMPLEX / WORK LIGHTS
F3	30A	REAR LIGHTS - HI / LOW	F10	20A	SHOCK	F17	30A	ACC / AUX / PWR / PWS #2
F4	30A	REAR / HORN LAMP	F11	20A	A/C CONTROL	F18	20A	REAR WIPER
F5	20A	SEAT POWER	F12	20A	SEAT HEATER	F19	40A	REAR WIPER
F6	20A	WIPERS / BEACON / HORN	F13	30A	PARK BRAKE CIRCUIT	F20	40A	GLOW PLUGS
F7	20A	LOW GRIFF	F14	20A	TURN / SIGNAL SIGNALS			

17

1036204

INFORMATION DECALS AND REFLECTORS

NOTE:

For Russian language decals, refer to *75 Russian Language Decal Package, page 227*.

Ref	Part Number	Description	Qty	Serial Number
1	23165	DECAL – 50 HR LUBE		
2	109842	DECAL – IMPORTANT		
3	109205	DECAL – AUXILIARY POWER		
4	109799	DECAL – SWITCH PANEL		–174609
	160105	DECAL – SWITCH PANEL		174610–
5	109801	DECAL – GROUND SPEED		
6	115148	DECAL – SLOW MOVING VEHICLE (BEHIND DRIVERS SEAT)		
7	110990	DECAL – HYDRAULIC OIL		
8	109716	DECAL – RH CAB OVERHEAD CONSOLE		
9	109534	DECAL – LH CAB OVERHEAD CONSOLE		–185859
10	160367	DECAL – LH CAB OVERHEAD CONSOLE		185860–
11	109206	DECAL – JACK HERE		
12	109207	DECAL – TIE DOWN		
13	32070	DECAL – PATENTS		
14	166472	DECAL – BOLT TORQUE		
15	111221	DECAL – TIRE PRESSURE		
16	134069	DECAL – COOLANT SYSTEM		
17	109838	DECAL – FUSE BLOCK		–195759
	166293	DECAL – FUSE BLOCK		195760–
18	160108	DECAL – CONTROL		
19	183179	DECAL – REFRIGERANT/OIL		
20	110988	DECAL – ENGINE OIL		
21	24769	DECAL – DIESEL FUEL ONLY		
22	101375	DECAL – TORQUE WHEEL BOLTS (10 X 16 CASTERS ONLY)		
23	115145	REFLECTOR – FLUORESCENT RED-ORANGE		
	115146	REFLECTOR – AMBER		
	115147	REFLECTOR – RED		
24	166273	DECAL – BATTERY MASTER DISCONNECT		

73 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-LEAD (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 RESULT: Shake until ball inside can rattle. Hold can at top, and swing bottom of can in a circle for at least 2 minutes, making ball travel 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, clear the valve by holding can upside down, and spray until only clear gas comes out.

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. Store 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.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

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

PRÉPARATION: MISE EN GARDE! L'enlèvement des anciennes peintures par ponçage, grattage ou toute autre méthode risque de dégager des poussières ou des vapeurs contaminés 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 de ces substances dangereuses. Pour obtenir plus de renseignements, communiquez avec le National Lead Information Center au 1-800-424-5123 (aux É-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 recouvrir les surfaces avoisinantes pour les protéger des suraérosols. 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 bille de mélange bouge librement. Ensuite, tenir la canette par le haut et en agiter le fond pendant au moins 2 minutes en faisant des mouvements circulaires pour que la bille 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 l'obstruer, 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 plus de gaz résiduel.

Tableaux des produits conformes à la réglementation sur les COP de votre région.

CANADA: RÉGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSOMMATION (RPCCC)

LE CONTENU PEUT S'ENFLAMMER • CE CONTENANT PEUT EXPLOSER S'IL EST CHAUFFÉ • PEUT IRRITER LES YEUX • PEUT IRRITER LA PEAU
Ne pas fumer. Ne pas perforez. 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; Méthyléthylcétone; 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.



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 12 oz. / 340 g
Poids net avec peinture

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 burn. Do not get in eyes. 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. Store 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.

USA: CONSUMER PRODUCT SAFETY COMMISSION REGULATIONS (CPSC)

FLAMMABLE LIQUID AND VAPOR. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL OR FATAL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION. CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERATOGENIC EFFECTS.

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. 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. 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. Store 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: RÉGLEMENT SUR LES PRODUITS CHIMIQUES ET LES CONTENANTS DE CONSOMMATION (RPCCC)

LE CONTENU PEUT S'ENFLAMMER, PEUT IRRITER LES YEUX, PEUT IRRITER LA PEAU. Ne pas fumer. Ne pas brûler. Ne pas entrer en 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; Méthyléthylcétone; Éthylbenzène. 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)

FLAMMABLE LIQUID AND VAPOR. HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL OR FATAL IF SWALLOWED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY CAUSE SEVERE ALLERGIC RESPIRATORY AND SKIN REACTION. CANCER HAZARD - CAN CAUSE CANCER, DEVELOPMENTAL TOXICITY/TERATOGENIC EFFECTS.

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



One US quart

Part number / Numéro de pièce

946 ml

DIRECTIONS FOR USE

THIS PRODUCT IS READY TO USE. NO REDUCER IS REQUIRED.

APPLICATION
Spray method at 40 to 50 PSI (2.7 to 3.4 MPa).

USING A PRIMER IS NOT NECESSARY WITH THIS PRODUCT.

Spray involves wet coat, allow to tack and follow with full wet coat.

FOR VIK REGULATED AREAS

These directions refer to the use of products which may be restricted or require special mixing instructions in VIK regulated areas. Follow mixing and application instructions in the VIK Compliance Chart for your area.

MODE D'EMPLOI

CE PRODUIT EST PRÊT À L'UTILISATION, AUCUN DÉLANT N'EST REQUIS.

APPLICATION
Pulvériser à une pression de 40 à 50 lb/pouces (2,7 à 3,4 MPa).

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

Appliquez une couche soigneusement chargée, laissez sécher jusqu'à ce qu'elle devienne poisseuse, puis appliquez une couche complète.

RÉGLEMENTATION SUR LES COP

Ces directives concernent l'utilisation de produits pouvant être réglementés ou soustraits à des restrictions COP selon les règlements en vigueur ou les missions COP sont réglementées. Suivez les recommandations de mélange et d'application indiquées au Tableau des produits conformes à la réglementation sur les COP de votre région.

1008450

PAINT

Ref	Part Number	Description	Qty	Serial Number
1	135148	PAINT – BLACK (55-65 GLOSS LEVEL), SPRAY CAN, 12 OZ. (340 G) AEROSOL ¹⁴⁹		
	32879	PAINT – WHITE, SPRAY CAN, 12 OZ. (340 G) AEROSOL		
	23950	PAINT – RED, SPRAY CAN, 12 OZ. (340 G) AEROSOL ¹⁵⁰		
2	25991	PAINT – BLACK (55-65 GLOSS LEVEL), 1 US QUART (946 ML)		
	23957	PAINT – WHITE, 1 US QUART (946 ML)		
	49832	PAINT – RED, 1 US QUART ¹⁵¹		
3	49833	ACTIVATOR – FOR PAINT, 1 US PINT		
4	49834	REDUCER – FOR PAINT, 1 US QUART		
5	49835	ACCELERATOR – FOR PAINT, 1 US PINT ¹⁵²		

149. Was previously MD #25990.

150. Used for small touch-ups only.

151. When ordering MD #49832 red paint, also order MD #49833 and MD #49834. These three parts (paint, activator, and reducer) must be premixed at a ratio of 2:1:1 respectively. This paint when mixed provides two sprayable quarts, which is approximately enough for one engine hood. Further instructions supplied with paint.

152. MD #49835 is a paint accelerator. Adding approximately 1/2 to 1 oz. of accelerator per sprayable quart will speed up dry time. If paint accelerator is not added, there will be no change to paint other than length of drying time.

74 Product Identification Decals

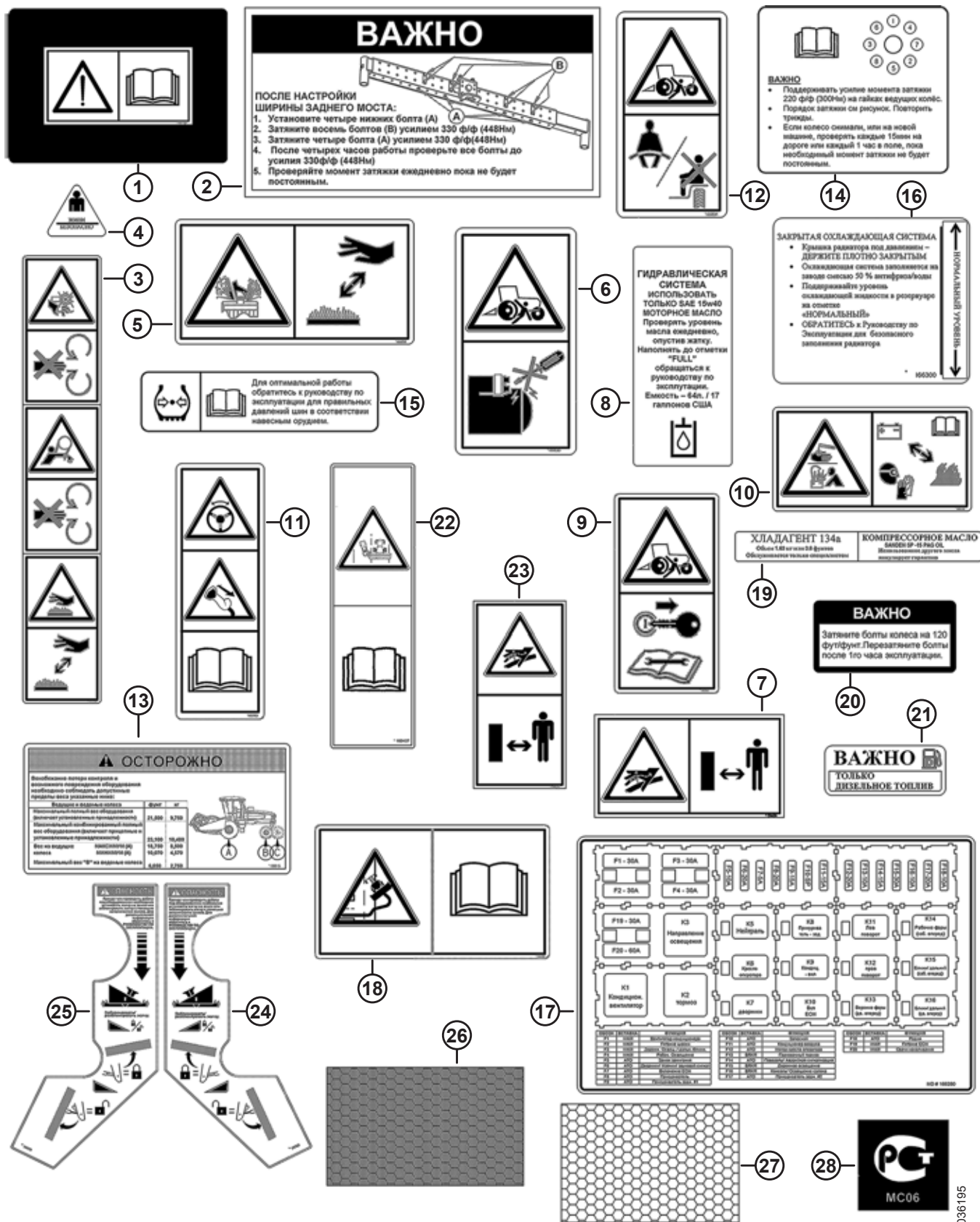


1035742

PRODUCT IDENTIFICATION DECALS

Ref	Part Number	Description	Qty	Serial Number
1	163294	DECAL – MD LH HOOD (M150)	1	
	163295	DECAL – MD RH HOOD (M150)	1	
	163296	DECAL – MD LH HOOD (M200)	1	
	163297	DECAL – MD RH HOOD (M200)	1	
2	163298	DECAL – MACDON, FRONT OF CAB	1	
3	163299	DECAL – DUAL DIRECTION	2	
		WESTWARD		
4	163507	DECAL – WESTWARD LH HOOD (M150)	1	
	163508	DECAL – WESTWARD RH HOOD (M150)	1	
	163509	DECAL – WESTWARD LH HOOD (M200)	1	
	163510	DECAL – WESTWARD RH HOOD (M200)	1	
5	163504	DECAL – WESTWARD, FRONT OF CAB	1	
		PREMIER		
6	163500	DECAL – PREMIER LH HOOD (M150)	1	
	163501	DECAL – PREMIER RH HOOD (M150)	1	
	163502	DECAL – PREMIER LH HOOD (M200)	1	
	163503	DECAL – PREMIER RH HOOD (M200)	1	
7	171007	DECAL – PREMIER, FRONT OF CAB	1	

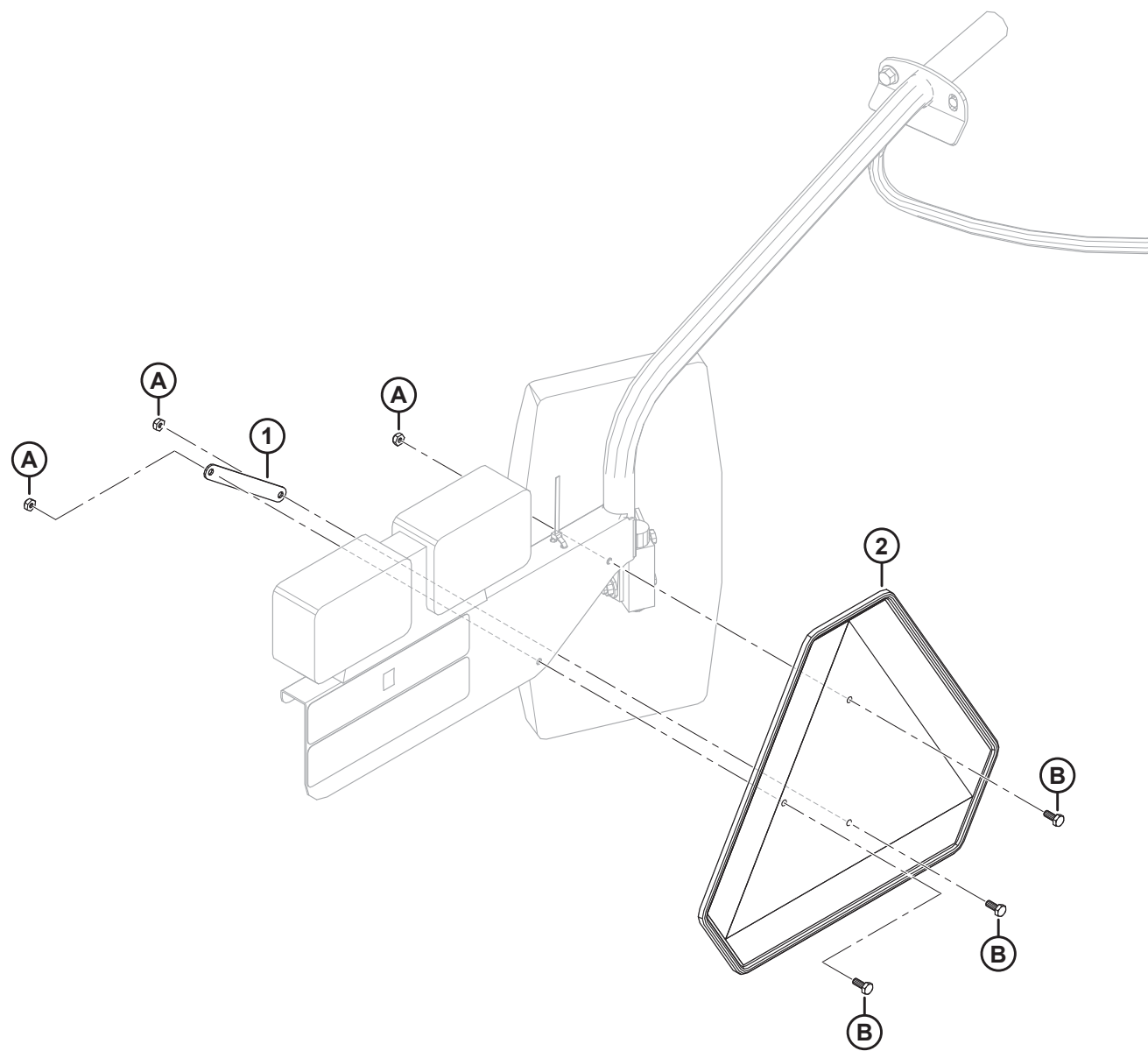
75 Russian Language Decal Package



RUSSIAN LANGUAGE DECAL PACKAGE

Ref	Part Number	Description	Qty	Serial Number
1	166324	DECAL – READ MANUAL		
2	166278	DECAL – IMPORTANT, RUSSIAN		
3	166235	DECAL – WARNING		
4	166295	DECAL – SAFETY, RUSSIAN		
5	166232	DECAL – CAUTION		
6	166233	DECAL – DANGER		
7	174474	DECAL – HIGH PRESSURE FLUID (HORIZONTAL FORMAT)		
8	166276	DECAL – HYDRAULIC OIL, RUSSIAN		
9	166236	DECAL – DANGER		
10	166230	DECAL – WARNING, BATTERY EXPLOSION		
11	166263	DECAL – WARNING, STEERING AND GROUND SPEED		
12	166234	DECAL – WARNING, TRAINING SEAT AND SEAT BELTS		
13	139015	DECAL – GVW – M150/M200 RUSSIAN		
14	166473	DECAL – BOLT TORQUE, RUSSIAN		
15	166309	DECAL – TIRE PRESSURE, RUSSIAN		
16	166300	DECAL – COOLANT, RUSSIAN		
17	166280	DECAL – FUSE BLOCK, RUSSIAN		
18	166264	DECAL – STEERING CONTROL		
19	183181	DECAL – REFRIGERANT/OIL, RUSSIAN		
20	166308	DECAL – TORQUE WHEEL BOLTS (10 X 16 CASTERS), RUSSIAN		
21	166296	DECAL – IMPORTANT DIESEL, RUSSIAN		
22	160427	DECAL – TRANSPORT		
23	174436	DECAL – HIGH PRESSURE FLUID (VERTICAL FORMAT)		
24	166322	DECAL – HEADER LOCK, LH, RUSSIAN		
25	166323	DECAL – HEADER LOCK, RH, RUSSIAN		
26	166325	REFLECTOR – RED		
27	166326	REFLECTOR – WHITE		
28	166329	DECAL – CPT CERTIFICATION		

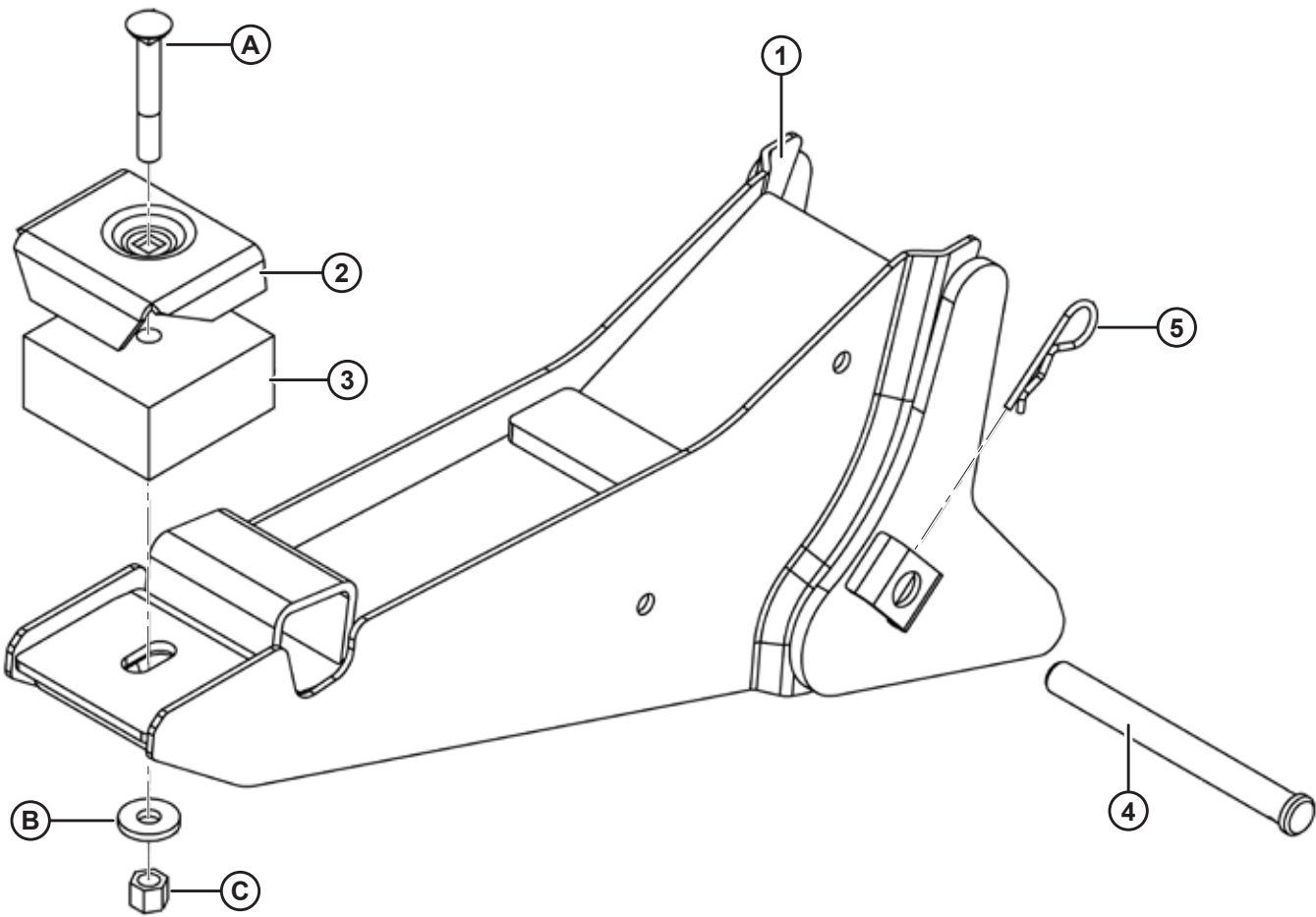
76 Slow Moving Vehicle (SMV) Sign



SLOW MOVING VEHICLE (SMV) SIGN

Ref	Part Number	Description	Qty	Serial Number
1	109867	STRAP	1	
2	135378	REFLECTOR – SMV	1	
A	18724	NUT – HEX LOCK DT 1/4-20 UNC ZP		
B	21572	BOLT – HEX HD 1/4 NC X 0.625 LG GR 5 ZP		

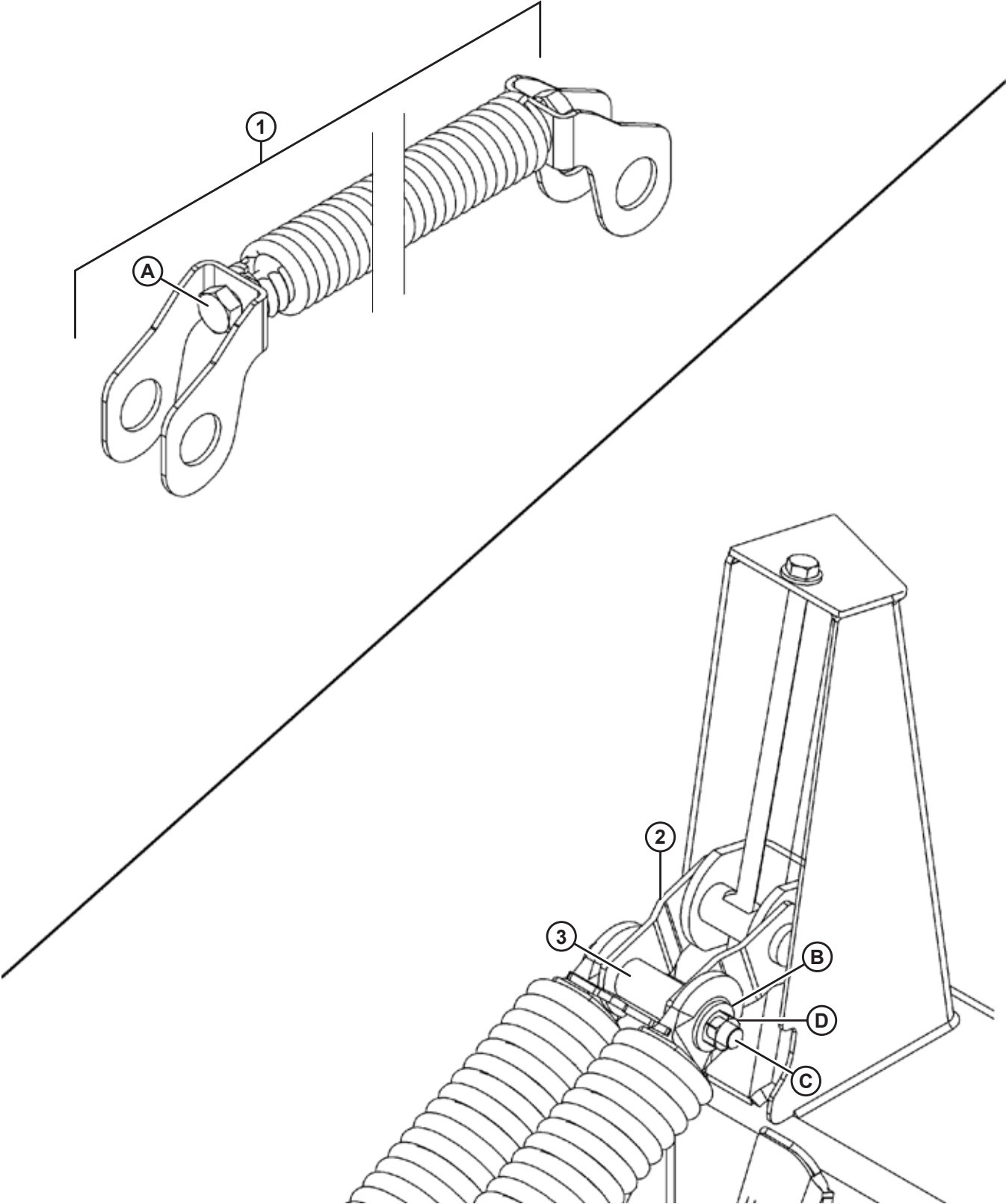
77 Draper Header Supports



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		

78 (Option) Auxiliary Springs



1013701

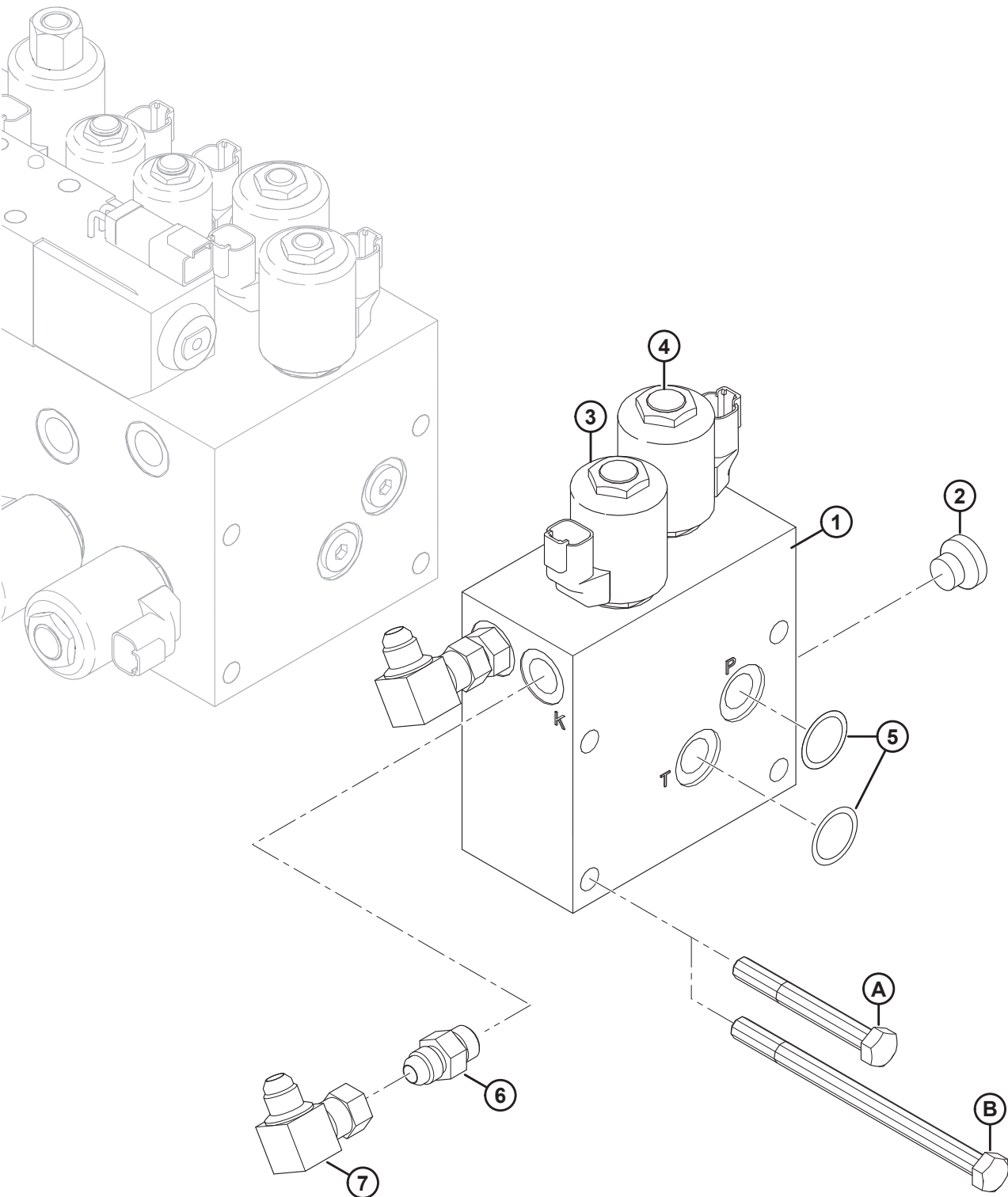
(OPTION) AUXILIARY SPRINGS

Ref	Part Number	Description	Qty	Serial Number
	B4659	KIT – TRACTOR BOOSTER SPRING ¹⁵³		
1	306107	ASSEMBLY – AUXILIARY SPRING ¹⁵⁴	2	
A	NSS	BOLT – HH 3/4 NC X 1.5 LG GR 5 BLK		
	B4664	KIT – LIGHT HEADER ¹⁵³		
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		

153. Kits available through Whole Goods only.

154. Complete assembly.

79 (Option) Auxiliary Valve



(OPTION) AUXILIARY VALVE

NOTE:

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

Ref	Part Number	Description	Qty	Serial Number
	B5269	KIT – AUXILIARY VALVE ¹⁵⁵		
1	139974	ASSY – VALVE BLOCK AUX LIFT (REEL FORE-AFT DWA) ¹⁵⁶	1	
2	167762	FITTING – ZINC NICKEL SAE #06, 9/16-18 UN 2A	1	
3	163143	VALVE – SOLENOID (FOR 5/8 IN. VALVE STEM)	1	
	163154	COIL – TOUGH		
	163191	NUT – SPECIAL		
	163160	SEAL KIT		
4	163142	VALVE – SOLENOID	1	
	163155	COIL – TOUGH		
	49846	SEAL KIT		
	163190	NUT – SPECIAL		
5	163184	O-RING – .813 IN. I.D., 1 IN. O.D.	2	
6	15903	FITTING – CONNECTOR HYD	2	
7	106717	FITTING – ELBOW 90° HYD	2	
A	21568	BOLT – HH 3/8 NC X 3.0 LG GR 5 ZP ¹⁵⁷		
B	10948	BOLT – HH 3/8 NC X 5.5 LG GR 5 ZP ¹⁵⁸		

155. Kits available through Whole Goods only.

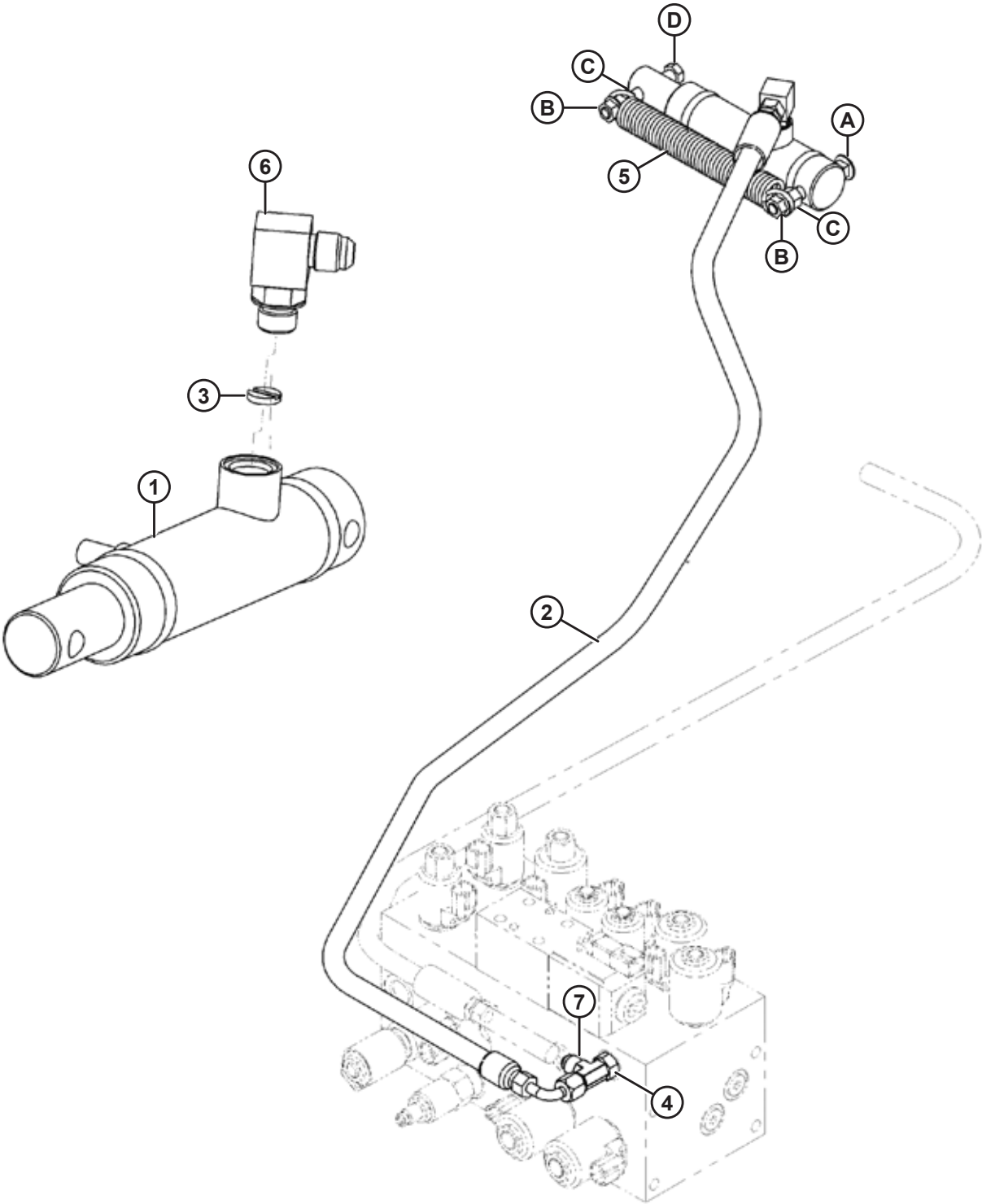
156. Assembly includes fitting (MD #136156), valve (MD #163143), coil (MD #163154), and O-ring (MD #163184).

Previously was MD #110575. Refer to Service Bulletin SB1210 regarding required software update.

157. Used with one block.

158. Used with two blocks.

80 (Option) Center-Link Cylinder Lift Kit



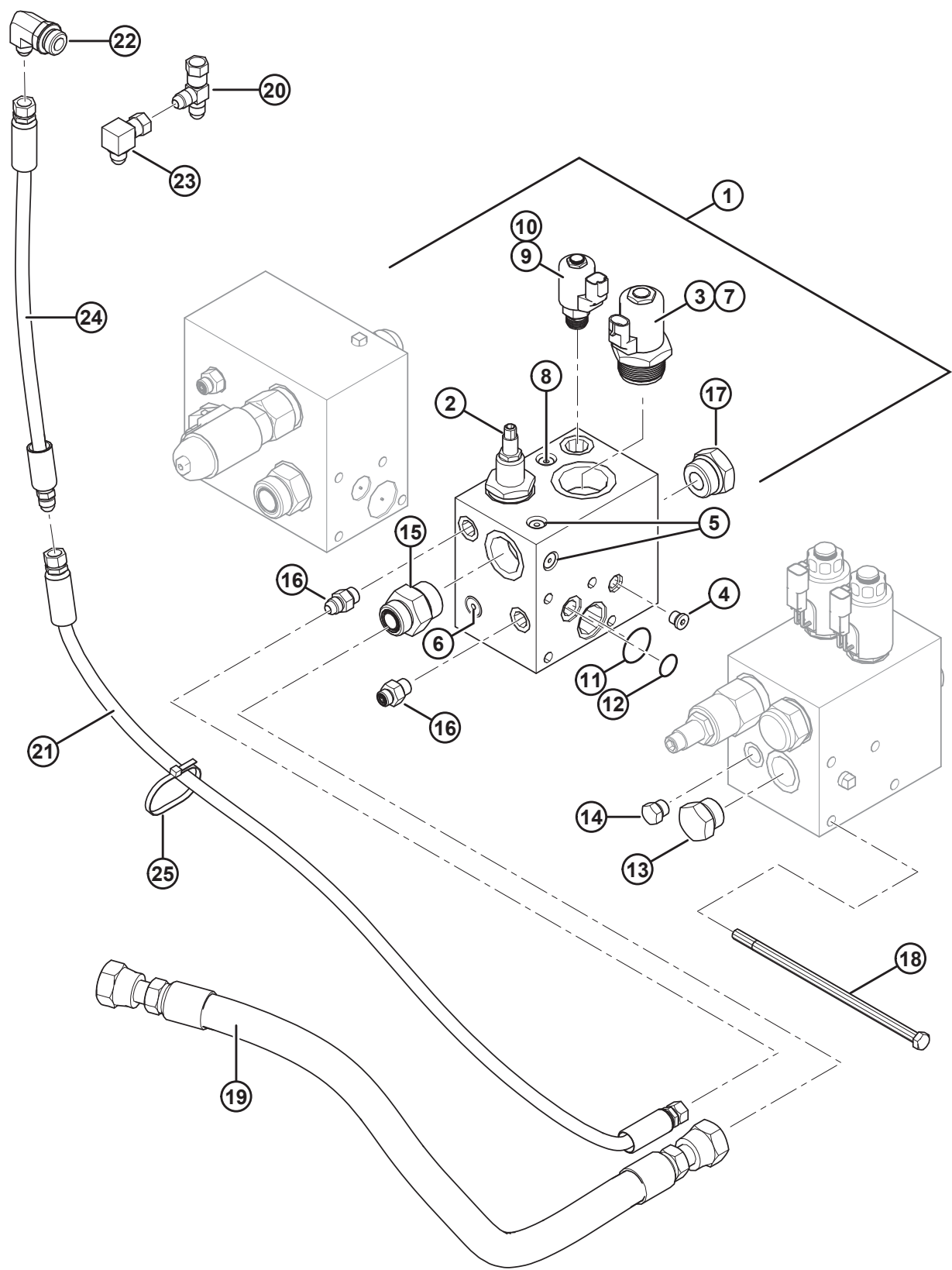
1004935

(OPTION) CENTER-LINK CYLINDER LIFT KIT

Ref	Part Number	Description	Qty	Serial Number
	B4802	KIT – CENTER-LINK LIFT ¹⁵⁹		
1	111599	CYLINDER – HYDRAULIC	1	
	166171	SEAL KIT		
2	111780	HOSE – HYD, 1/4 IN. I.D., 1200 MM LG, METAL REIN.	1	
3	111834	RESTRICTOR	1	
4	15903	FITTING – CONNECTOR HYD	1	
5	110977	SPRING – EXTENSION	1	
6	30282	FITTING – ELBOW 90° HYD	1	
7	30286	FITTING – TEE HYD STR THD RUN TEE C/W O-RING	1	
A	30307	BOLT – RHSN 3/8 NC X 2.5 LG GR 5 ZP		
B	30228	NUT – FLG DT SMOOTH FACE 0.375-16 UNC		
C	18590	NUT – HEX, 3/8 NC		
D	30035	BOLT – RHSN 3/8 NC X 2.75 LG GR 5 ZP		

159. Kits available through Whole Goods only.

81 (Option) Disc Drive Kit



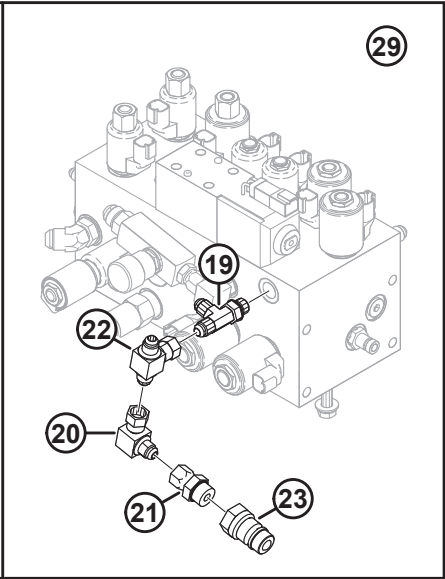
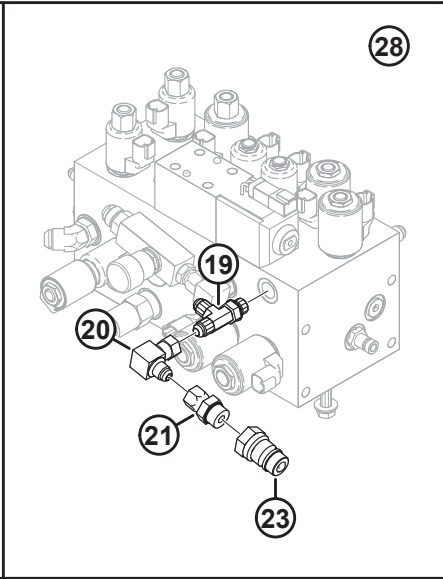
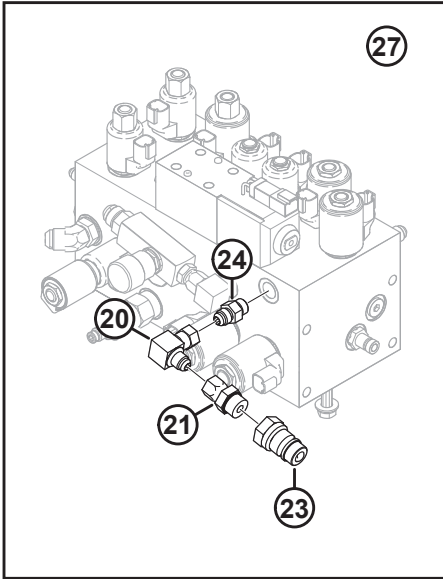
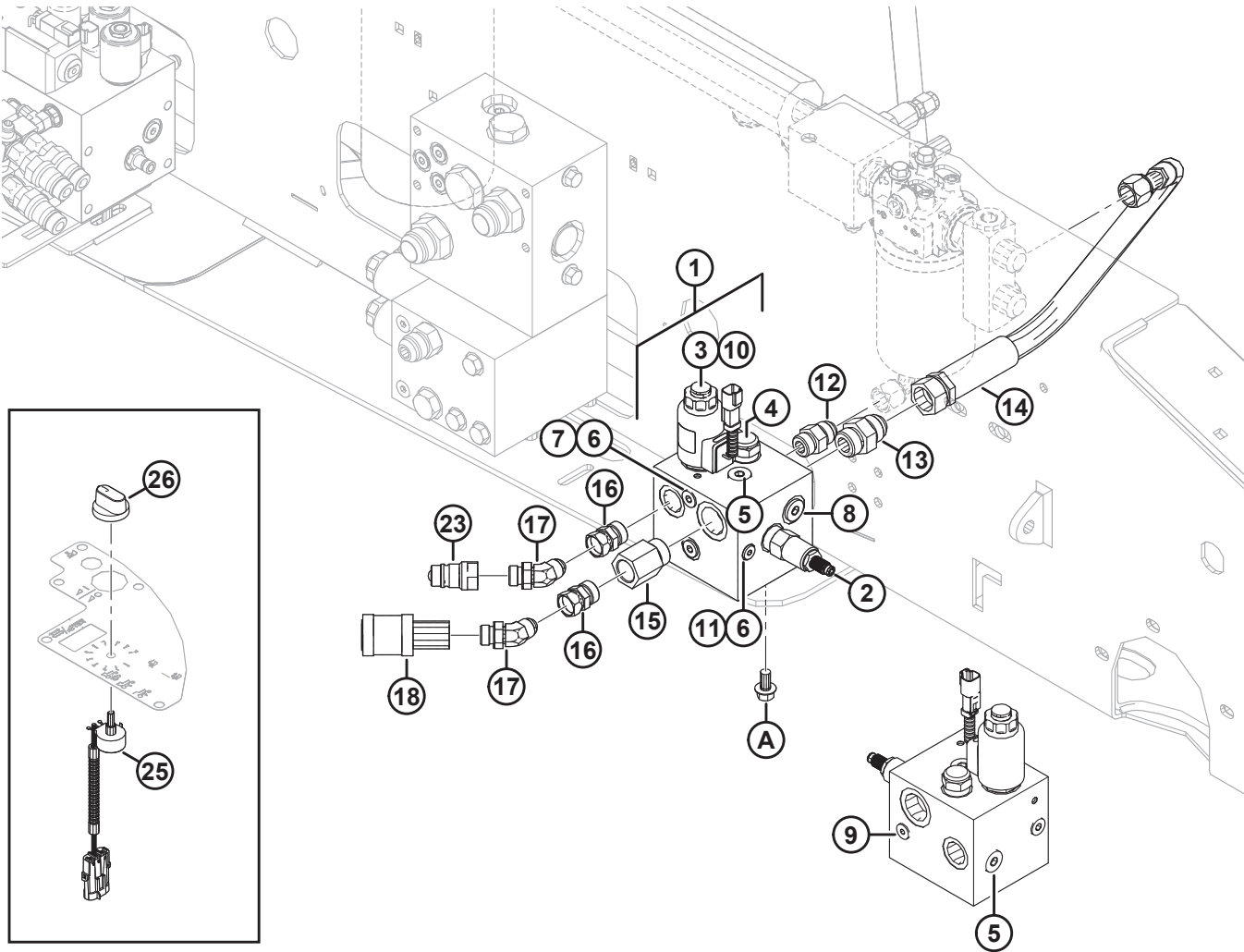
(OPTION) DISC DRIVE KIT

Ref	Part Number	Description	Qty	Serial Number
	B4657	KIT – DISC DRIVE ¹⁶⁰		
1	162174	VALVE ASSEMBLY – DISC DRIVE M150 ¹⁶¹	1	
2	162119	VALVE – PRESSURE REDUCING	1	
	162207	SEAL KIT	1	
3	162203	VALVE – SOLENOID #20	1	
	163187	SEAL KIT	1	
4	163167	KIT – SENSE CHECK	1	
5	158174	PLUG – HEX SOCKET C/W O-RING	2	
6	135246	PLUG – HEX C/W O-RING	1	
7	163154	COIL – TOUGH	1	
8	162204	PLUG – HEX SOCKET C/W O-RING	2	
9	162205	VALVE – SOLENOID #8	2	
	163208	SEAL KIT	1	
10	162206	COIL – TOUGH #8	1	
11	112959	O-RING – 1 1/4 IN. ID	1	
12	163184	O-RING – 13/16 IN. ID	1	
13	103575	PLUG – HEX C/W O-RING	1	
14	30994	PLUG – HEX C/W O-RING	1	
15	135483	FITTING – CONNECTOR HYD	1	
16	15903	FITTING – CONNECTOR HYD	2	
17	156051	PLUG – #16 ORB	1	
18	135589	BOLT – HH 3/8 NC X 9.0 LG GR 5 ZP	4	
19	162110	HOSE – HYD, 3/4 IN ID, 640 MM LG, METAL REIN.	1	
20	30873	FITTING – HYD TEE	1	
21	112201	HOSE – HYD, 1/4 IN ID, 900 MM LG, METAL REIN.	1	
22	135352	FITTING – ELBOW 90° HYD	1	
23	106717	FITTING – ELBOW 90° HYD	1	
24	139636	HOSE – HYD, 1/4 IN ID, 425 MM LG, METAL REIN.	1	
25	21763	FASTENER – CABLE TIE, BLACK, 160 MM LG	2	

160. Kits available through Whole Goods only.

161. Complete assembly includes items #2–10.

82 (Option) Disc Drive Kit, Grass Seed

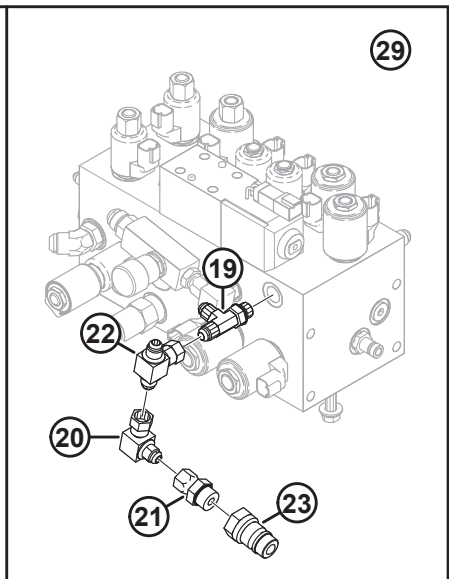
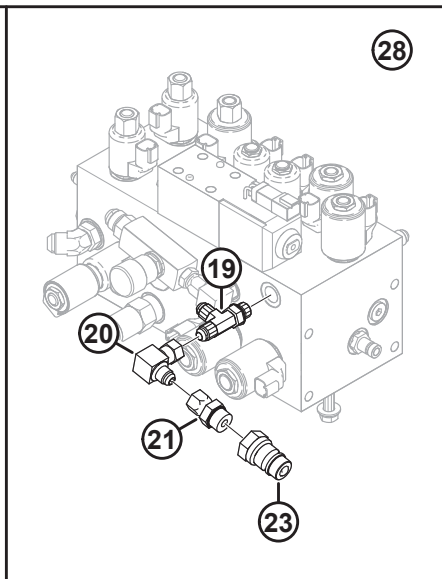
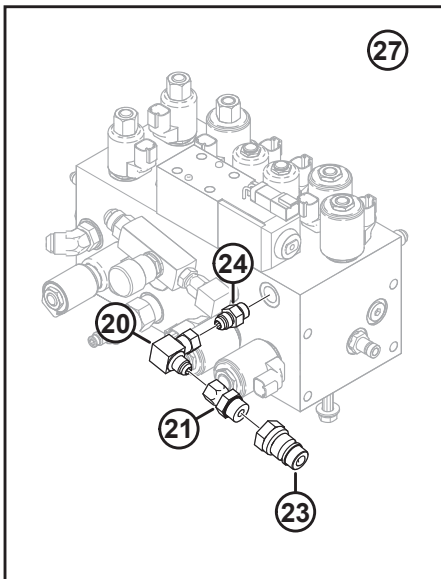
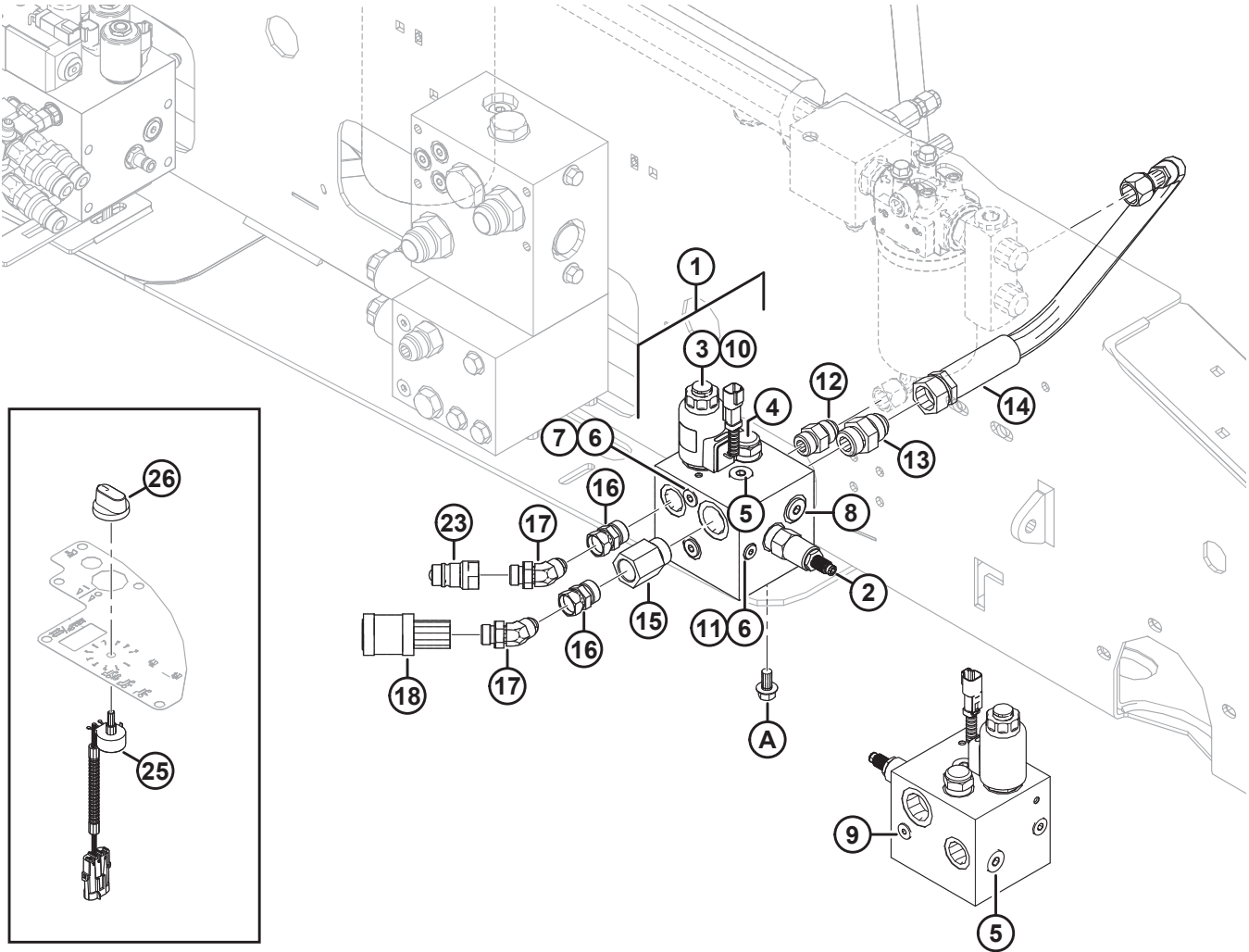


(OPTION) DISC DRIVE KIT, GRASS SEED

Ref	Part Number	Description	Qty	Serial Number
	B4911	KIT – DISC DRIVE, GRASS SEED ¹⁶²		
1	163694	MANIFOLD – DWA DRIVE	1	
	49846	SEAL KIT		
2	162285	VALVE – RELIEF	1	
3	163166	CONTROL – PROPORTIONAL FLOW	1	
4	162283	VALVE – DIFF PRESS SENSING	1	
	162284	SEAL KIT – #10 3-WAY, SHORT	1	
5	163159	FITTING – ZERO LEAK GOLD	2	
6	163156	FITTING – ZERO LEAK GOLD	2	
7	163168	PLUG – ORIFICE	1	
8	158174	PLUG – HEX SOCKET CW O-RING	1	
9	163149	FITTING – ZERO LEAK GOLD	1	
10	163173	COIL – ASSEMBLY	1	
	163178	SEAL KIT	1	
11	162287	PLUG – ORIFICE	1	
12	30695	FITTING – CONNECTOR HYD, SAE 10 (TO “P” PORT)	1	
13	21830	FITTING – CONNECTOR HYD, SAE 12 (TO “R2” PORT)	1	
14	144807	HOSE – HYDRAULIC	1	
15	135660	FITTING – ADAPTER HYD	1	
16	135504	FITTING – ADAPTER HYD	2	
17	30315	FITTING – ELBOW 45° HYD CW O-RING	2	
18	135645	FITTING – COUPLING HYD, FEMALE	1	
19	30286	FITTING – TEE HYD STR THD RUN TEE CW O-RING	1	
20	106717	FITTING – ELBOW 90° HYD	1	
21	135650	FITTING – #6 FEMALE JIC X #8 MALE ORB	1	
22	106724	FITTING – TEE HYD	1	
23	135563	FITTING – COUPLING HYD	2	
24	15903	FITTING – CONNECTOR HYD	1	
25	109718	GAUGE – POTENTIOMETER	1	

162. Kits available through Whole Goods.

(OPTION) DISC DRIVE KIT, GRASS SEED

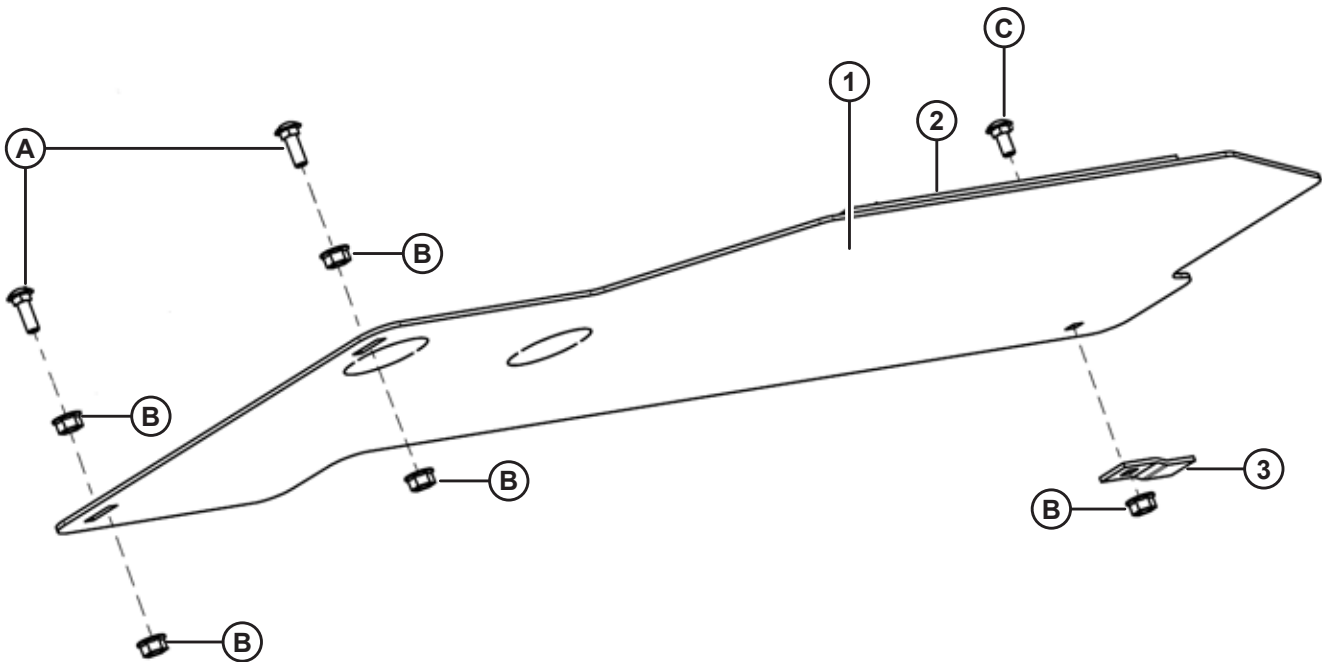


1035977

(OPTION) DISC DRIVE KIT, GRASS SEED

Ref	Part Number	Description	Qty	Serial Number
26	138691	KNOB – PLASTIC	1	
27	REF	CONTROL CYLINDER VARIATION – A		
28	REF	CONTROL CYLINDER VARIATION – B		
29	REF	CONTROL CYLINDER VARIATION – C		
A	21821	BOLT – HH FLG (SERR FACE) 3/8 NC X 0.75 GR 5 ZP		

83 (Option) Fan Air Baffle Kit

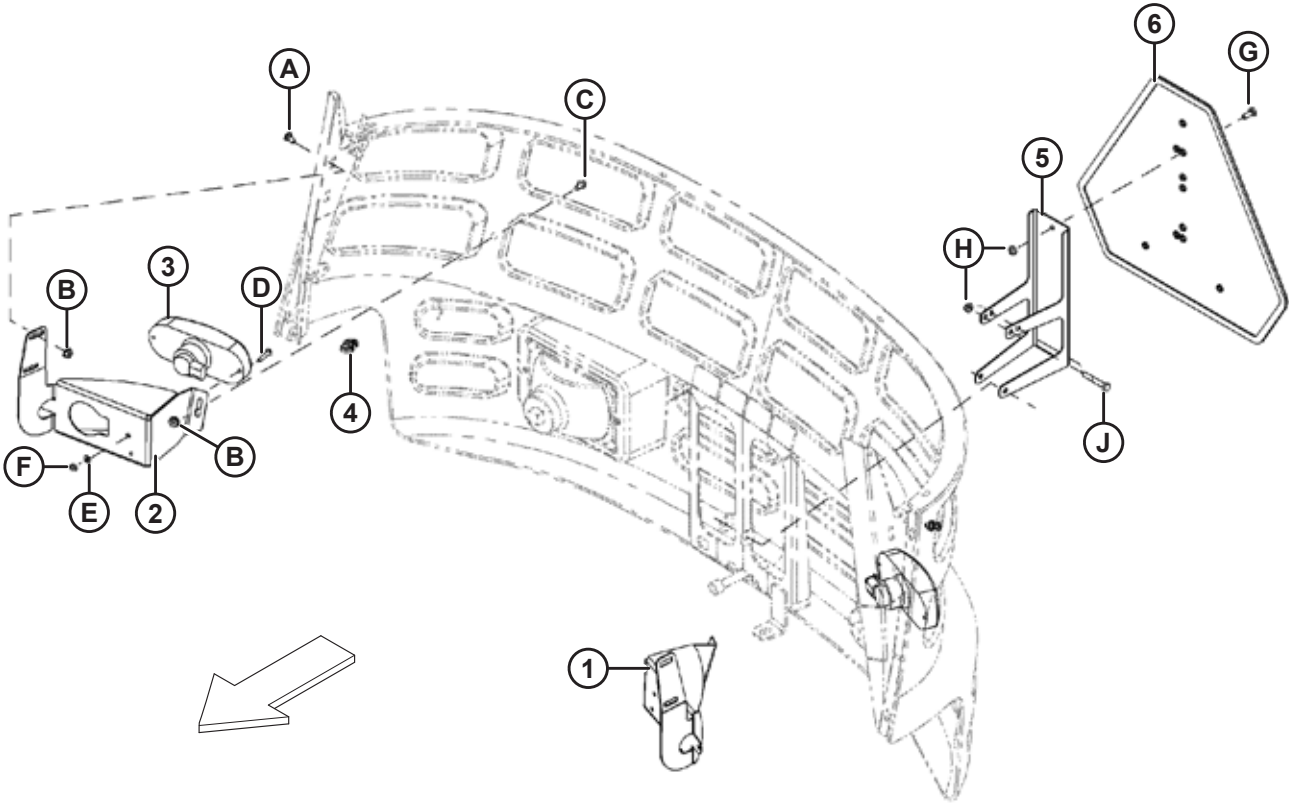


(OPTION) FAN AIR BAFFLE KIT

Ref	Part Number	Description	Qty	Serial Number
	B5440	KIT – FAN AIR BAFFLE ¹⁶³		
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		

163. Kits available through Whole Goods only.

84 (Option) Lighting and Marking for Cab-Forward Travel

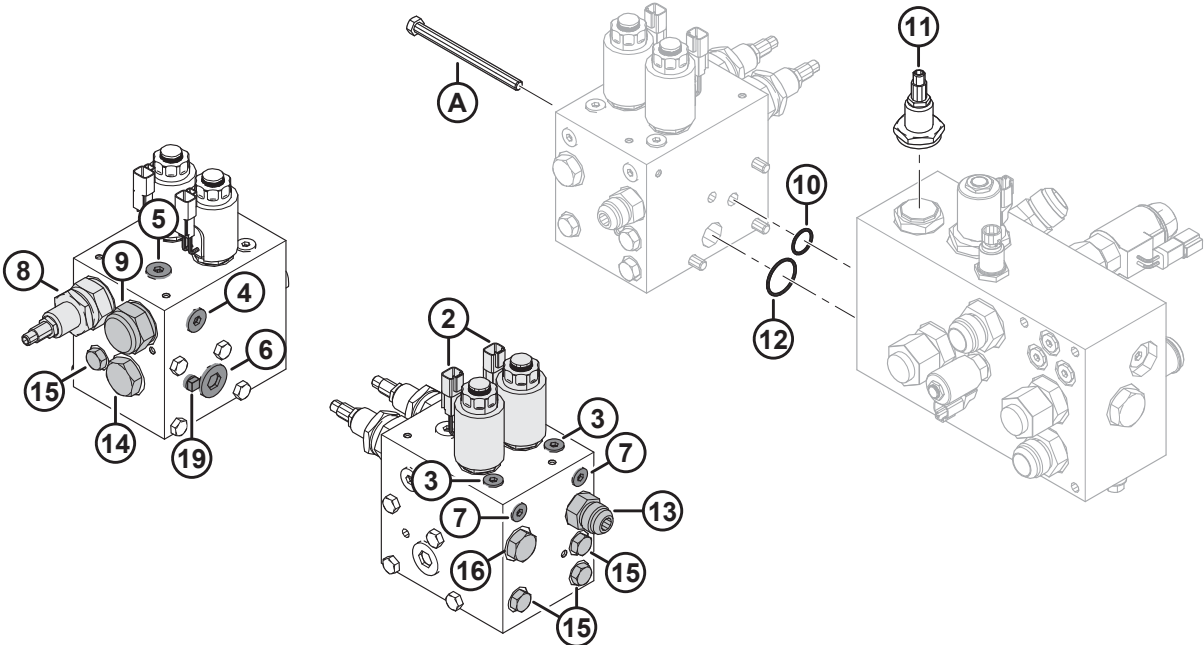
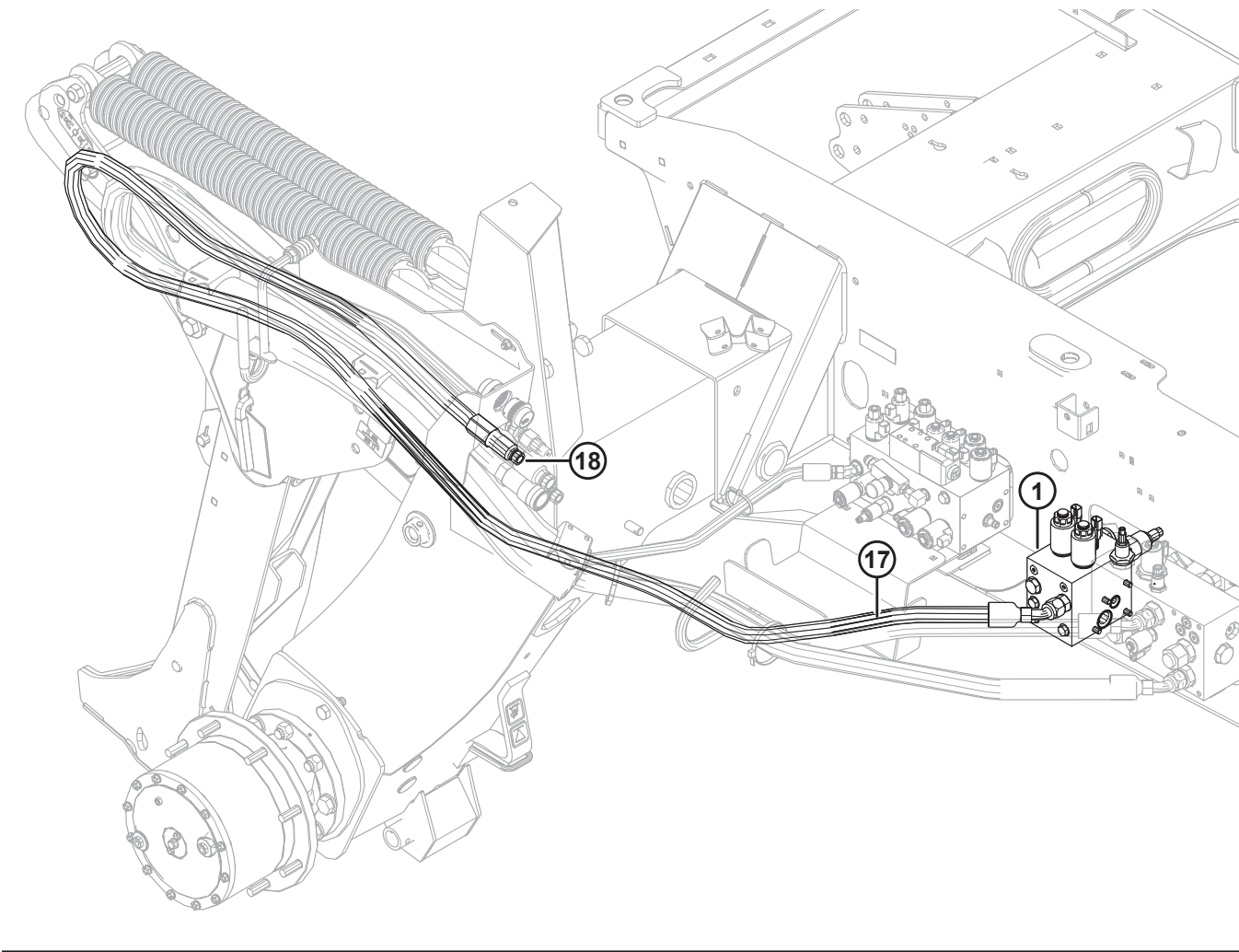


(OPTION) LIGHTING AND MARKING FOR CAB-FORWARD TRAVEL

Ref	Part Number	Description	Qty	Serial Number
	B5412	KIT – LIGHTING AND MARKING FOR CAB-FORWARD ¹⁶⁴		
1	183021	HOLDER – LH TAIL LIGHT BRACKET	1	
2	183022	HOLDER – RH TAIL LIGHT BRACKET	1	
3	134079	LIGHT – RED	2	
4	50109	CLIP – PLASTIC	3	
5	161106	SUPPORT – SMV	1	
6	135378	REFLECTOR – SMV	1	
A	21926	BOLT – RHSN 1/4 NC X 0.5 GR 5 ZN PL		
B	21455	NUT – FLG (SER FACE) 1/4 NC GR 5 ZN PL		
C	18579	SCREW – MACHINE 1/4-20 UNC X 0.75 IN. PHILLIPS PAN HD		
D	5144	SCREW – MACH PHILLIPS TRUSS HD #10-24 UNC X 1.25 IN.		
E	18798	WASHER – FLAT SAE 7/32 I.D. X 7/16 IN. O.D. ZN PL		
F	18707	NUT – HEX LOCK DT #10-24 UNC ZN PL		
G	21572	BOLT – HEX HD 1/4 NC X 0.625 LG GR 5 ZN PL		
H	18724	NUT – HEX LOCK DT 1/4-20 UNC ZN PL		
J	21570	BOLT – HH 1/4 NC X 2.0 LG GR 5 ZN PL		

164. Kits available through Whole Goods only.

85 (Option) Reel/Draper Drive

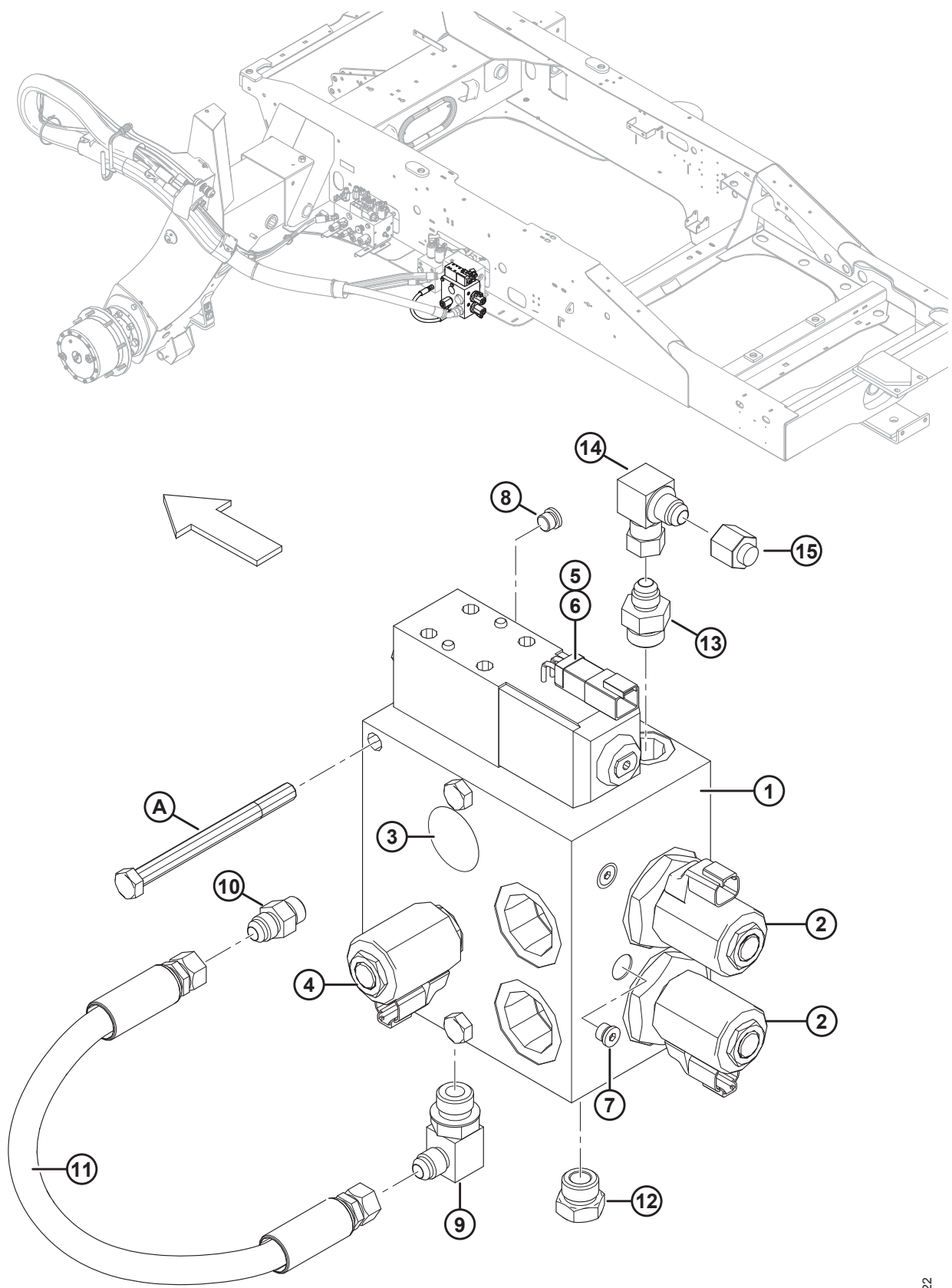


(OPTION) REEL/DRAPER DRIVE

Ref	Part Number	Description	Qty	Serial Number
	B4651	KIT – REEL/DRAPER DRIVE ¹⁶⁵		
1	166167	VALVE ASSEMBLY – REEL/DRAPER DRIVE	1	
2	163166	CONTROL – PROPORTIONAL FLOW	1	
	163178	SEAL KIT	1	
	163195	NUT – COIL	1	
3	163156	FITTING – ZERO LEAK GOLD #06, 9/16-18 UN 2A	2	
4	163159	FITTING – ZERO LEAK GOLD #08, 3/4-16 UN 2A	1	
5	163169	FITTING – ZERO LEAK GOLD #10, 7/8-14 UN 2A	1	
6	163170	FITTING – ZERO LEAK GOLD #02, 1-1/16 - 12 UN 2!	1	
7	163167	KIT – SENSE CHECK	2	
	163175	SEAL KIT	1	
8	163174	VALVE – DIFF. PRESS. SENSING	1	
	163177	SEAL KIT	1	
9	163165	VALVE – DIFF. PRESS. SENSING	1	
10	163184	O-RING	1	
11	162119	VALVE – PRESSURE REDUCING	1	
12	112959	O-RING	2	
13	30610	FITTING – CONNECTOR HYD	1	
14	103575	PLUG – HEX CW O-RING	1	
15	30994	PLUG – HEX CW O-RING	4	
16	135246	PLUG – HEX CW O-RING	1	
17	110539	HOSE – HYD	1	
18	135361	COUPLER – MALE HYD 1/2 IN FLAT FACE	1	
19	183903	FITTING – PLUG HYD SQ HD NPTF	1	
A	21596	BOLT – HEX HD 3/8 NC X 5 IN. LG		

165. Kits available through Whole Goods only.

86 (Option) Reverser

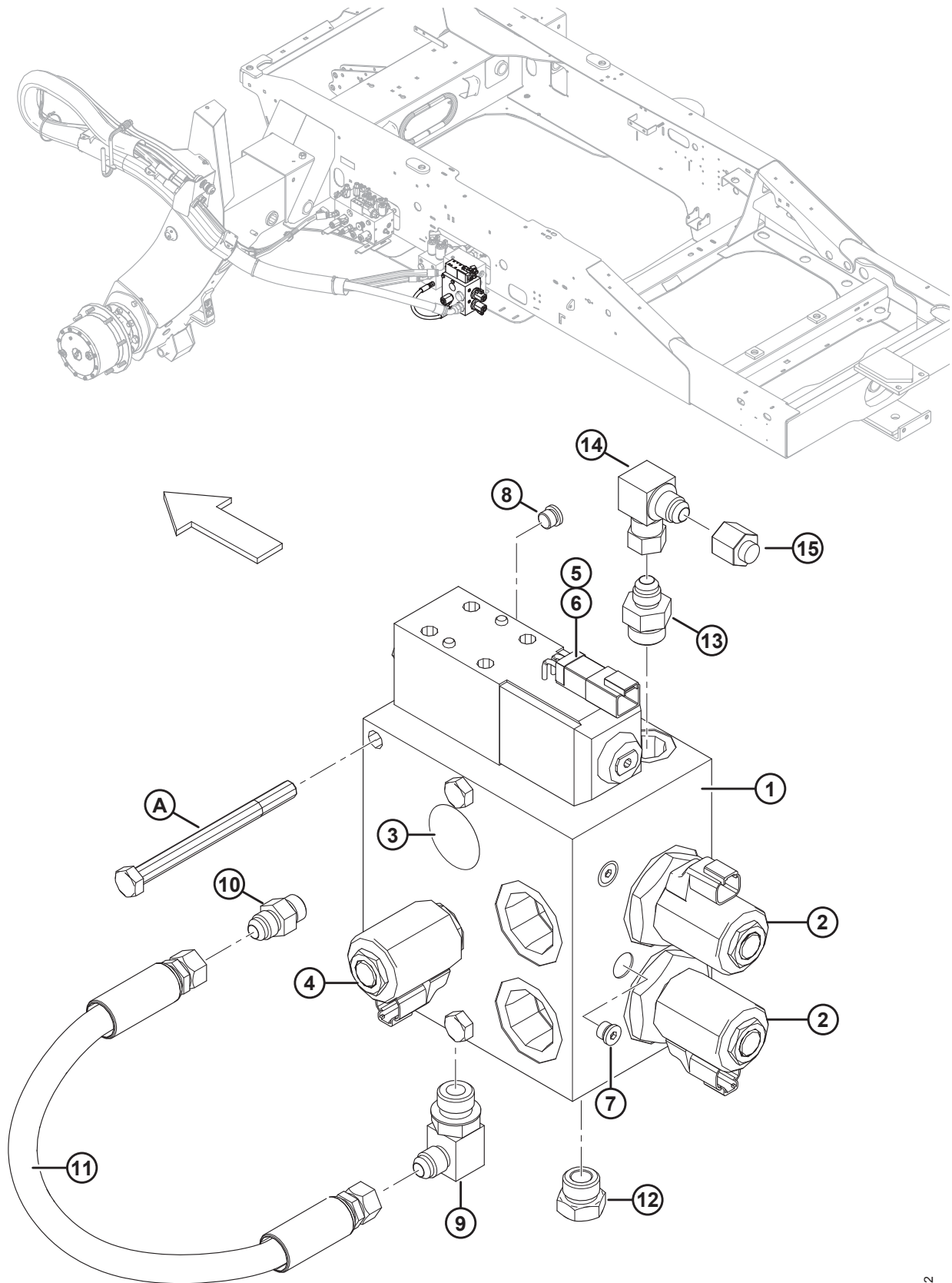


(OPTION) REVERSER

Ref	Part Number	Description	Qty	Serial Number
	B4656	KIT – REVERSER ¹⁶⁶		
1	111781	VALVE – REVERSER	1	
	320284	O-RING – 13/16 IN. ID	3	
	163185	O-RING – 1 3/4 IN. ID	2	
	163186	VALVE – SHUTTLE	1	
	163188	COIL		
	163191	NUT – SPECIAL	1	
2	163179	VALVE – SOLENOID	2	
	163154	COIL – TOUGH		
	163187	SEAL KIT		
3	163150	VALVE – CHECK	1	
	49854	SEAL KIT		
4	163180	VALVE – SOLENOID	1	
	163154	COIL – TOUGH		
	163160	SEAL KIT		
5	163181	CONTROL – DIRECTIONAL	1	
	163192	NUT – SPECIAL	1	
	163162	SEAL KIT	1	
6	163148	KIT – BOLT	1	
7	163182	FITTING – ZERO LEAK GOLD #02, 5/16-24 UN 2A	1	
8	163183	PLUG – ORIFICE	1	
9	30283	FITTING – ELBOW HYD	1	
10	15903	FITTING – CONNECTOR HYD	1	
11	111782	HOSE – HYD, 1/4 IN ID, 450 MM LG, METAL REIN.	1	
12	30977	PLUG – HEX C/W O-RING	1	
13	21804	FITTING – CONNECTOR, HYD	1	
14	106717	FITTING – ELBOW, HYD	1	
15	30813	CAP – 3/8 IN. TUBE	1	

166. Kits available through Whole Goods only.

(OPTION) REVERSER

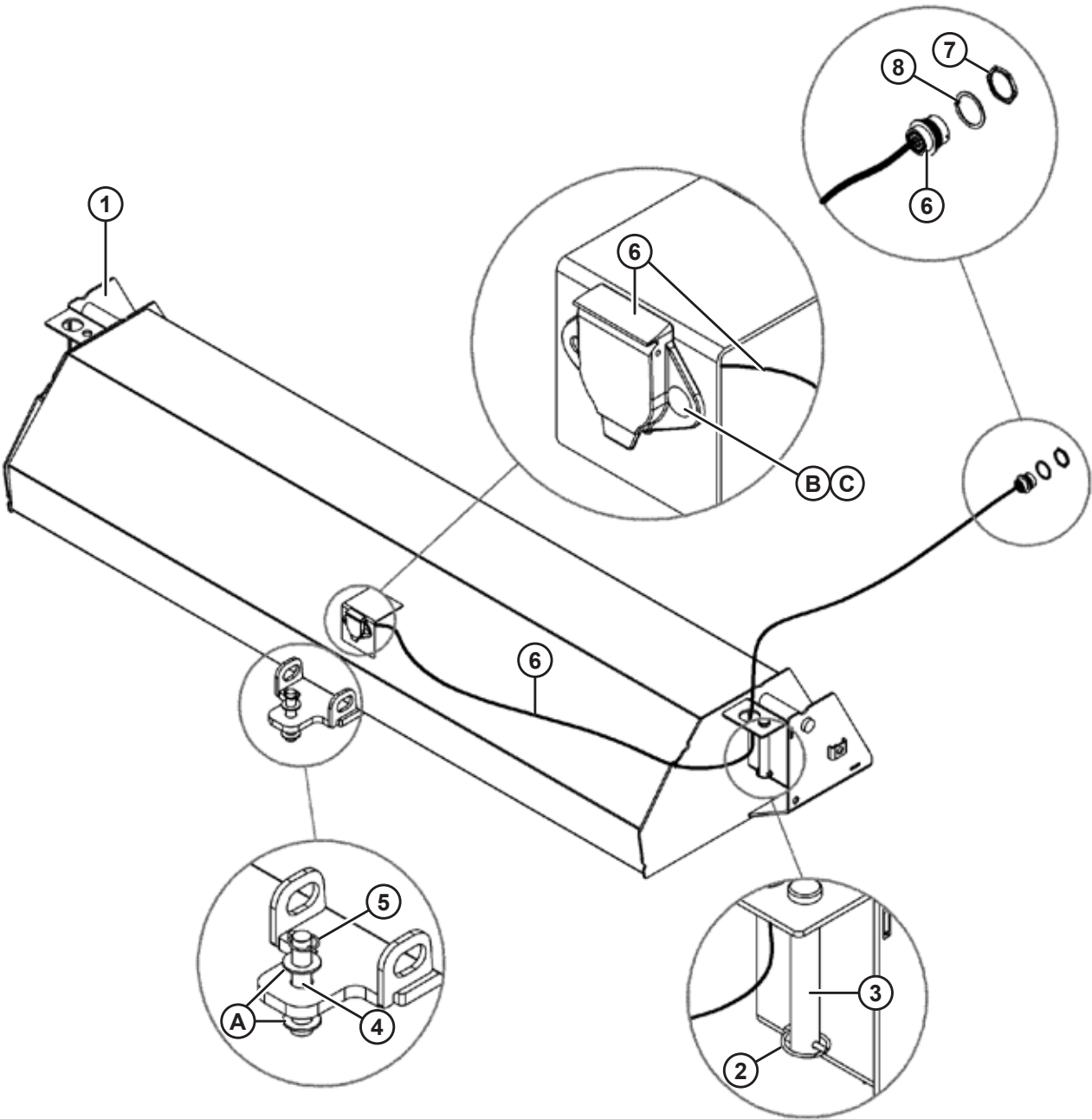


1030022

(OPTION) REVERSER

Ref	Part Number	Description	Qty	Serial Number
A	30080	BOLT – HH 3/8 NC X 4.5 LG GR 5 ZP		

87 (Option) Weight Box



(OPTION) WEIGHT BOX

Ref	Part Number	Description	Qty	Serial Number
	B5238	KIT – WEIGHT BOX (C/W CONCRETE FILL) ¹⁶⁷		
	B5240	KIT – WEIGHT BOX (LESS CONCRETE) ¹⁶⁸		
	B5280	KIT – WIRING HARNESS FOR WEIGHT BOX ¹⁶⁹		
1	122080	FRAME – WEIGHT BOX WELDMENT	1	
2	102264	PIN – LYNCH 3/16 X 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 ¹⁷⁰	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		

167. Kits available through Whole Goods only.

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

169. Kit includes lynch pin (MD #102264). Kits available through Whole Goods only.

170. Harness includes panel nut (MD #134010) and washer (MD #134011).

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