

TM 10794A/B-24P/3



OM0651

SKY TRAK®

Model MMV

PARTS MANUAL

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EFFECTIVITY PAGE

December 17, 2004 - D - Replaced all branding with JLG.

April 16, 2007 - E - Revised manual.

September 10, 2010 - F - Revised manual

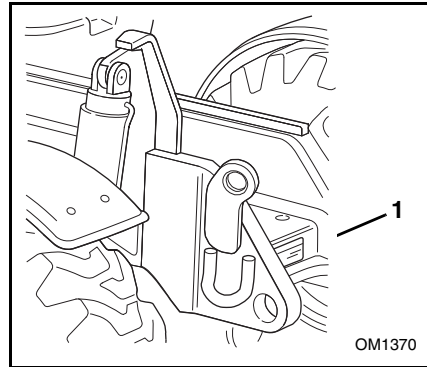
April 2, 2014 - G - Revised Manual

EFFECTIVITY PAGE

General Information

Replacement Parts

For easy reference when ordering replacement parts or making service inquiries on this vehicle, record its model and serial number on the back cover of this manual. The serial number is stamped into the serial number plate (1) which is located on the vehicle's frame.



IMPORTANT! The replacement of any part on this vehicle by anything other than a **JLG Industries, Inc.** authorized replacement part may adversely affect the performance, durability or safety of this vehicle and may void the warranty. **JLG Industries, Inc.** assumes no liability for unauthorized replacement parts which adversely affect the performance, durability or safety of this vehicle.

General Information

The revision appears in the right hand margin of each page. The quantity shown in the "QTY" column is the number of parts used on that assembly. Where parts are referenced "Page X.X.X" the part shown is included in another assembly or part of another item. For certain parts such as shims, spacers, etc. "A/R" indicates that the quantity to be used is as required.

Abbreviations

The following abbreviations are commonly used in this manual:

A/R	As Required	N.P.T.	National Pipe Thread
Amp	Ampere	N.S.S.	Not Sold Separately
Ass'y	Assembly	O.D.	Outside Diameter
AUX	Auxiliary	OFS	O-Ring Face Seal
BCI	Battery Council International	OR	Orifice
C.....	(Metric) Class	ORB	O-Ring Boss
CB	Counterbalance	Osc.	Oscillation
CCA	Cold Cranking Amps	oz.	Ounce(s)
CV	Check Valve	PC	Pressure Check
Cyl.	Cylinder	PD	Pilot Directional
D.P.D.T.	Dual Pole, Dual Throw	Pcs.	Pieces
D.P.S.T.	Dual Pole, Single Throw	PIL	Pilot
Dia.	Diameter	P/N	Part Number
Diff.	Differential	PO	Pilot Operated
FF	Flat Face	P.S.I.	Pounds Per Square Inch
GA	Gauge	Pt.	Point
GR	Grade	Rd.	Round
Hd.	Head	REF	Reference
HHCS	Hex Head Cap Screw	Req.	Required
HHCSF	Hex Head Cap Screw Fine	R.H.	Right Hand
Hx.	Hex	RV	Relief Valve
Hyd.	Hydraulic	SHCP	Socket Head Cap Screw
I.D.	Inside Diameter	S.P.D.T.	Single Pole, Dual Throw
in.	Inches	S.P.S.T.	Single Pole, Single Throw
Incl.	Includes	S/N	Serial Number
JIC	Joint Industry Council	SAE ...	Society of Automotive Engineers
Lg.	Long	STD.	Standard
L.H.	Left Hand	SW	Swivel
mm	Millimeter	Temp.	Temperature
N/A	Not Applicable	Trans.	Transmission
NC	National Course	w/	With
NF	National Fine	w/o	Without
N.L.A.	No Longer Available		

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Extend/Retract Cylinder

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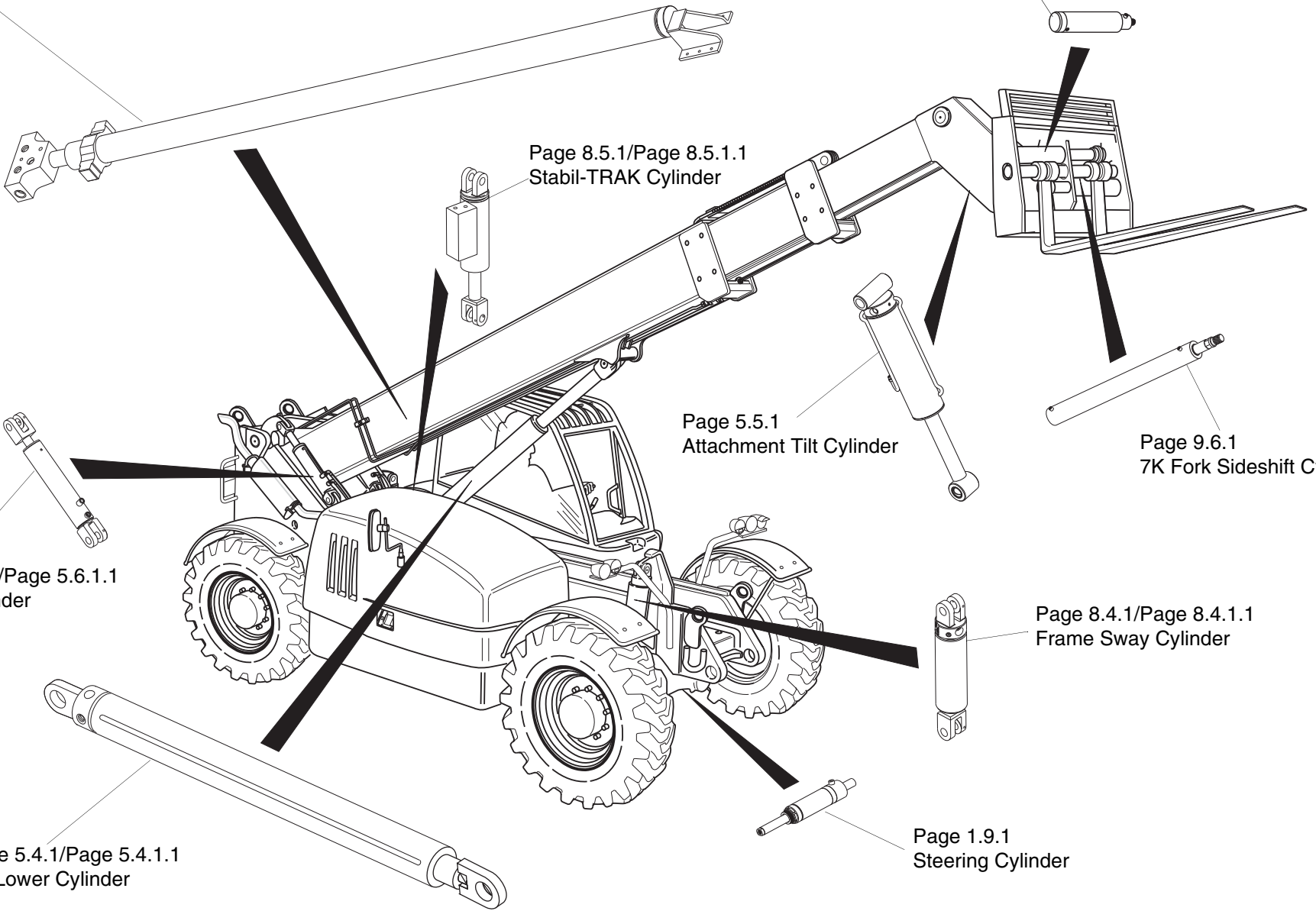
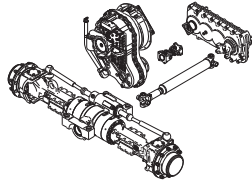
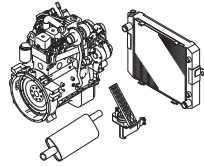


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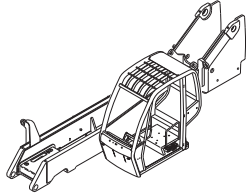
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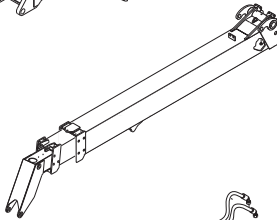
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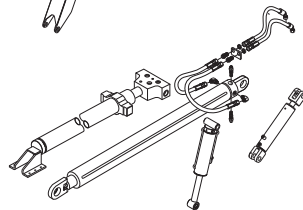
Section 3 — Frame and Operator's Compartment



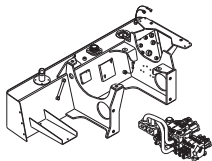
Section 4 — Boom Assembly



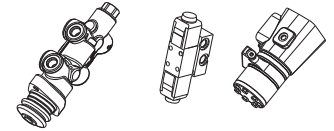
Section 5 — Boom Hydraulic Circuits and Cylinders



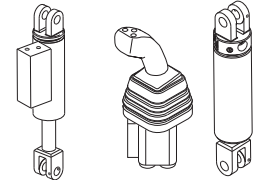
Section 6 — Hydraulic System Components



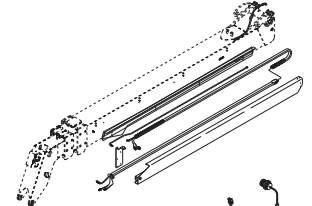
Section 7 — Steering and Brake Hydraulic Circuits



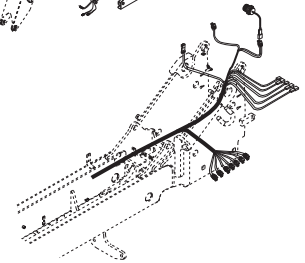
Section 8 — Frame Control Hydraulics



Section 9 — Fork Positioning Hydraulic Circuit



Section 10 — Electrical



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Section 12 — Attachments

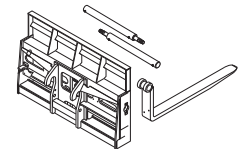


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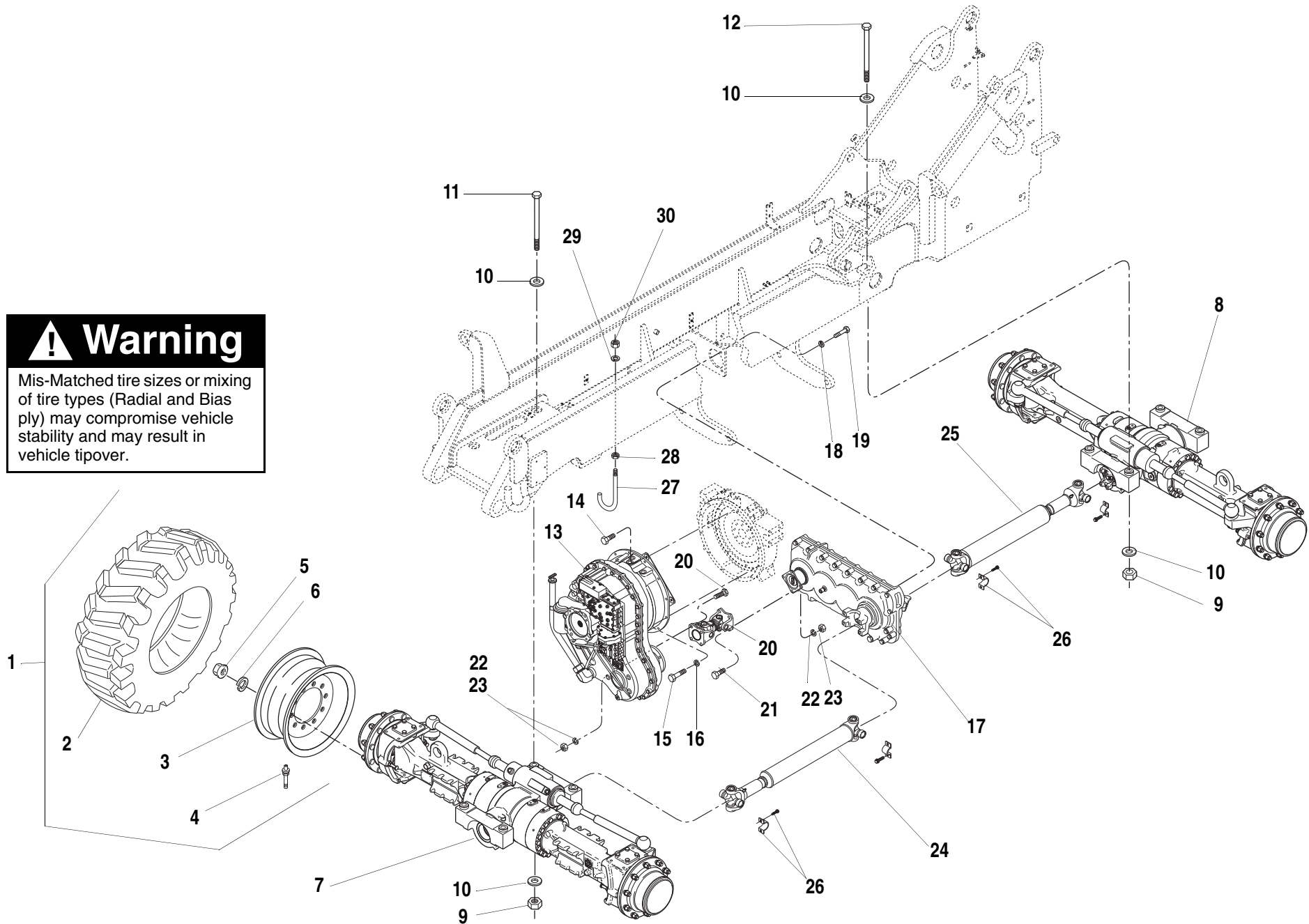
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⚠ Warning
 Mis-Matched tire sizes or mixing of tire types (Radial and Bias ply) may compromise vehicle stability and may result in vehicle tipover.



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623598	4	Tire and Wheel Assembly, Non-Directional (Includes Items 2 thru 4)
2	8780052	1	Tire, 15.5R-25, L-2, 2 Star
3	6623376	1	Rim, 1325 LR
4	8786514	1	Stem, Valve
5	8786570	40	Nut, Sph. Collar (Lug Nut)
6	8786571	40	Washer, Spring Lock
7	6624053	1	Axle Front (See Pages 1.2.1–1.9.1 for Breakdown)
8	6624054	1	Axle, Rear (See Pages 1.9.1–1.16.1 for Breakdown)
9	8310481	8	Nut, Hex Lock Elastic 1-8
10	8310061	16	Washer, Flat 1"
11	8310480	4	HHCS, 1-8 x 14" Gr. 8
12	8310479	4	HHCS, 1-8 x 11" Gr. 8
13	8841042	1	Transmission - 4 Speed (See Pages 1.25.1–1.37.1 for Breakdown)
14	8303798	4	HHCS, M10-1,5 x 25mm
15	8303769	12	HHCS, M10-1,5 x 45mm
16	8307023	12	Washer, Lock M10
17	8841041	1	Transfer Box (See Page 1.40.1 for Breakdown)
18	8307049	4	Washer, Lock M16
19	8310496	4	HHSC M16-2 x 35mm
20	7138760	1	Drive Shaft, Transmission to Transfer Box (See Page 1.41.1 for Breakdown)
21	8310084	8	HHCS, 1/2-20 NF x 2.00"
22	8307007	8	Washer, Lock 1/2"
23	8310464	8	Nut, Hex 1/2-20 NF
24	7135912	1	Drive Shaft, Transfer Box to Front Axle (See Page 1.42.1 for Breakdown)
25	7135922	1	Drive Shaft, Transfer Box to Rear Axle (See Page 1.43.1 for Breakdown)
26	8880218	8	Strap Kit
27	6603712	2	Hook, Drive Shaft Support
28	8305012	2	Nut, Hex 1/2-13

ITEM	PART NO.	QTY.	DESCRIPTION
29	8310578	2	Washer, Bevel, 1/2
30	8305644	2	Nut, Hex Lock Elastic 1/2-13

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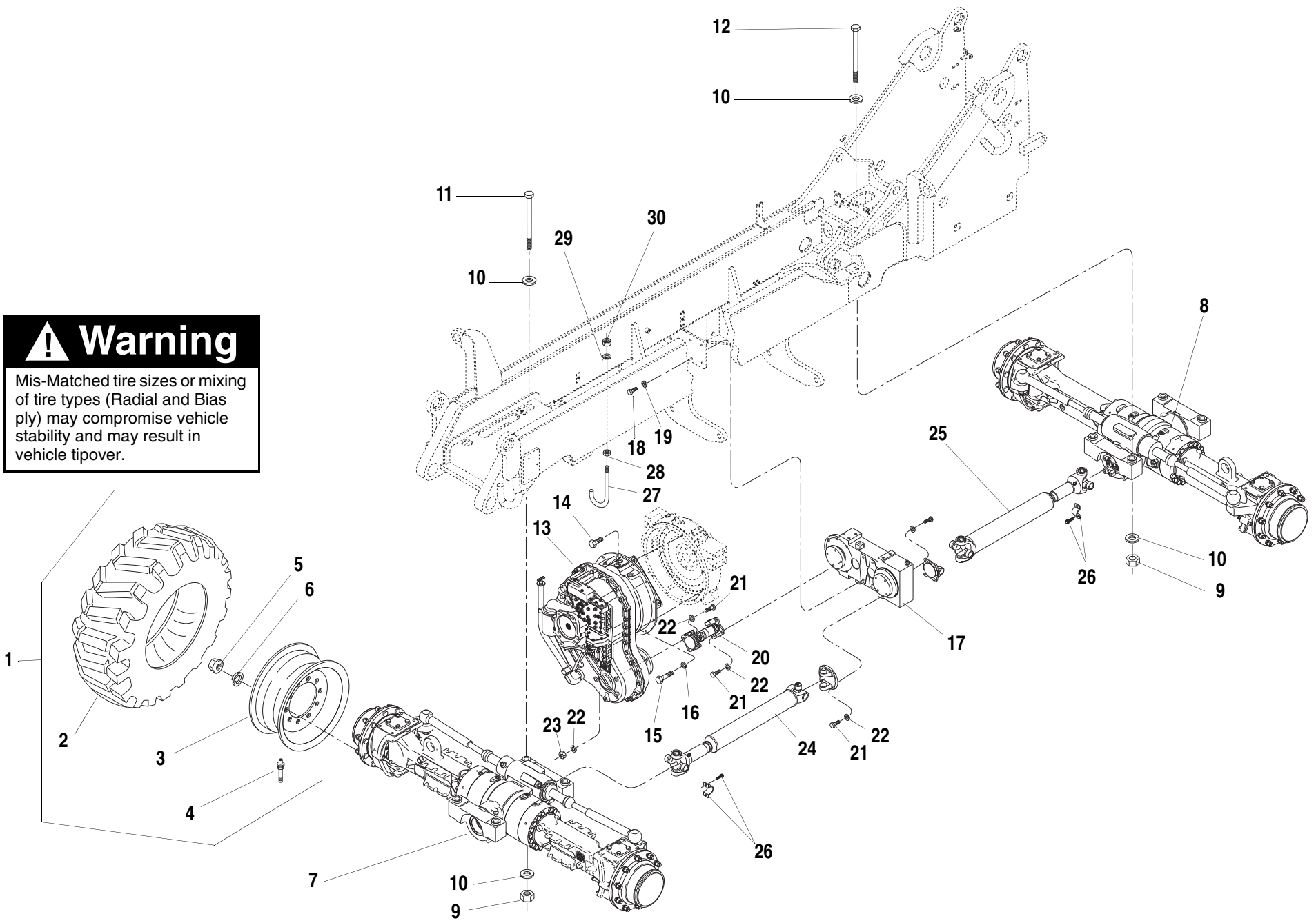
Tier 1
Tier 2

S/N MV006 – MV307 & 0160003128 - 016005934

DRIVE TRAIN ASSEMBLY

1.1.1

Warning
 Mis-Matched tire sizes or mixing of tire types (Radial and Bias ply) may compromise vehicle stability and may result in vehicle tipover.



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623598	4	Tire and Wheel Assembly, Non-Directional (Includes Items 2 thru 4)
2	8780052	1	Tire, 15.5R-25, L-2, 2 Star
3	6623376	1	Rim, 1325 LR
4	8786514	1	Stem, Valve
5	8786570	40	Nut, Sph. Collar (Lug Nut)
6	8786571	40	Washer, Spring Lock
7	6624053	1	Axle Front (See Pages 1.2.1–1.9.1 for Breakdown)
8	6624054	1	Axle, Rear (See Pages 1.9.1–1.16.1 for Breakdown)
9	8310481	8	Nut, Hex Lock Elastic 1-8
10	8310061	16	Washer, Flat 1"
11	8310480	4	HHCS, 1-8 x 14" Gr. 8
12	8310479	4	HHCS, 1-8 x 11" Gr. 8
13	8841042	1	Transmission - 4 Speed (See Pages 1.25.1–1.37.1 for Breakdown)
14	8303798	4	HHCS, M10-1,5 x 25mm
15	8303769	12	HHCS, M10-1,5 x 45mm
16	8307023	12	Washer, Lock M10
17	6623978	1	Transfer Box (See Page 1.40.1.1 for Breakdown)
18	8310215	12	HHSC M16-2 x 40mm
19	8310089	12	Washer, Lock M14
20	7138760	1	Drive Shaft, Transmission to Transfer Box (See Page 1.41.1 for Breakdown)
21	0701214	8	HHCS, 12-1.75X30mm
22	4832100	8	Washer, Lock M12
23	8310464	8	Nut, Hex 1/2-20 NF
24	6623979	1	Drive Shaft, Transfer Box to Front Axle (See Page 1.42.1.1 for Breakdown)
25	6623980	1	Drive Shaft, Transfer Box to Rear Axle (See Page 1.43.1.1 for Breakdown)
26	8880218	8	Strap Kit
27	6603712	2	Hook, Drive Shaft Support
28	8305012	2	Nut, Hex 1/2-13

ITEM	PART NO.	QTY.	DESCRIPTION
29	8310578	2	Washer, Bevel, 1/2
30	8305644	2	Nut, Hex Lock Elastic 1/2-13

Origin
04/07

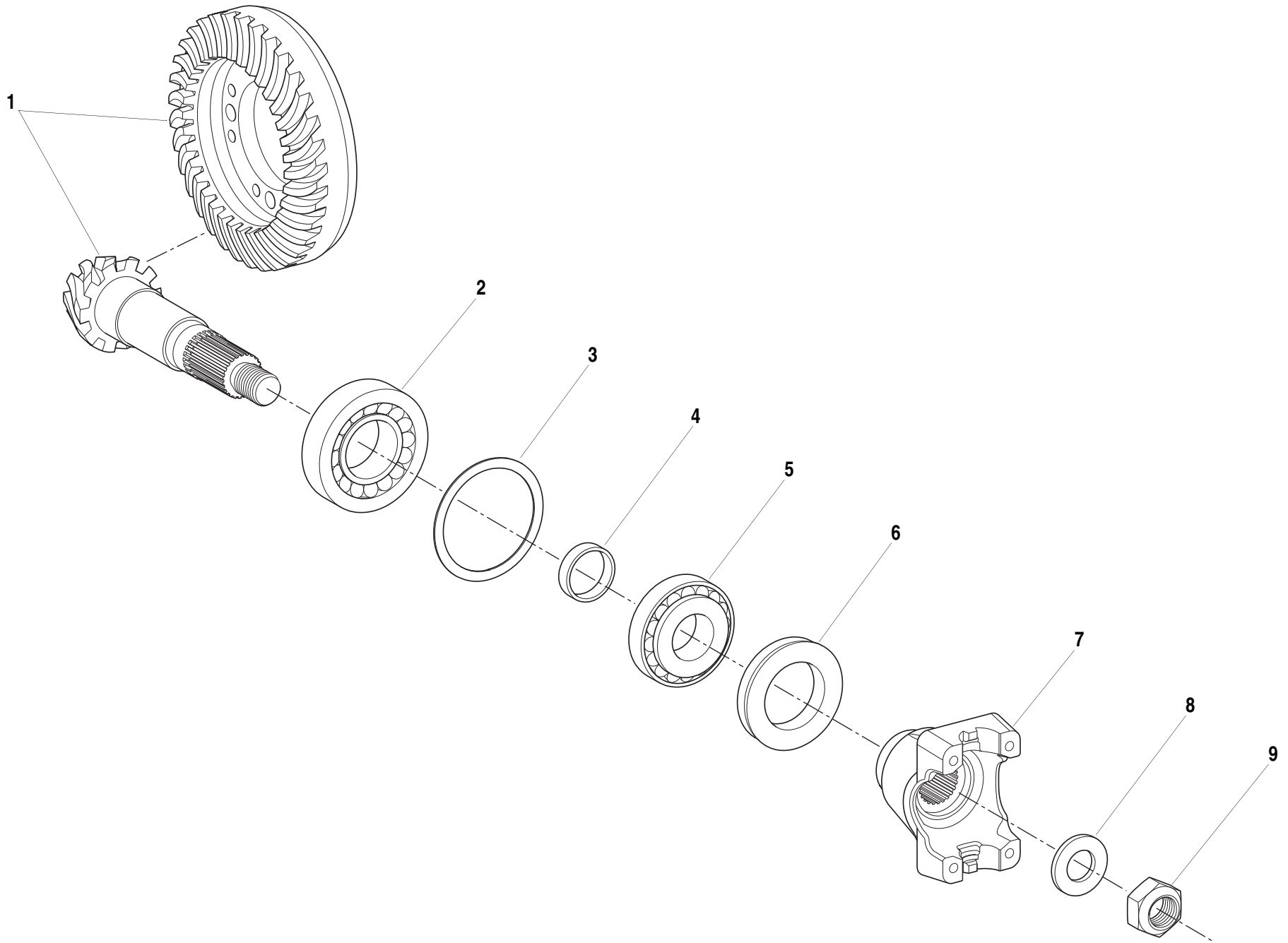
MMV

Tier 1
Tier 2

S/N 0160005976 –

DRIVE TRAIN ASSEMBLY

1.1.1.1



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	1321230	1	Gear Set Bevel	8035898	1	Ring, Optional S=11,90	
2	1321213	1	Bearing, Roller	8035899	1	Ring, Optional S=11,93	
3	1321187	A/R	Shim, Optional S=1,5	8035900	1	Ring, Optional S=11,96	
	8035871	A/R	Shim, Optional S=0,9	8035901	1	Ring, Optional S=11,99	
	8035872	A/R	Shim, Optional S=0,95	8035902	1	Ring, Optional S=12,02	
	8035873	A/R	Shim, Optional S=1,0	1321199	1	Ring, Optional S=12,05	
	1321186	A/R	Shim, Optional S=1,05	8035903	1	Ring, Optional S=12,08	
	8035874	A/R	Shim, Optional S=1,1	8035904	1	Ring, Optional S=12,11	
	8035875	A/R	Shim, Optional S=1,15	8035905	1	Ring, Optional S=12,14	
	1321185	A/R	Shim, Optional S=1,2	8035906	1	Ring, Optional S=12,17	
	8035876	A/R	Shim, Optional S=1,25	8036841	1	Ring, Optional S=12,20	
	8035877	A/R	Shim, Optional S=1,3	8035907	1	Ring, Optional S=12,23	
	1321189	A/R	Shim, Optional S=0,7	8035908	1	Ring, Optional S=12,26	
	8035878	A/R	Shim, Optional S=0,75	8035909	1	Ring, Optional S=12,29	
	8035879	A/R	Shim, Optional S=0,8	8035910	1	Ring, Optional S=12,32	
	1321190	A/R	Shim, Optional S=0,85	8035911	1	Ring, Optional S=12,35	
4	8035881	1	Ring, Optional S=11,30	1321201	1	Ring, Optional S=12,38	
	8035882	1	Ring, Optional S=11,33	8035912	1	Ring, Optional S=11,27	
	8035883	1	Ring, Optional S=11,36	1321204	1	Ring, Optional S=11,24	
	8035884	1	Ring, Optional S=11,39	8035913	1	Ring, Optional S=11,21	
	8035885	1	Ring, Optional S=11,42	8035914	1	Ring, Optional S=11,18	
	8035886	1	Ring, Optional S=11,45	8035915	1	Ring, Optional S=11,15	
	1321196	1	Ring, Optional S=11,48	8035916	1	Ring, Optional S=11,12	
	8035887	1	Ring, Optional S=11,51	1321203	1	Ring, Optional S=11,09	
	8035888	1	Ring, Optional S=11,54	8035917	1	Ring, Optional S=11,06	
	8035889	1	Ring, Optional S=11,57	8035918	1	Ring, Optional S=11,03	
	8035890	1	Ring, Optional S=11,60	8035919	1	Ring, Optional S=11,00	
	8035891	1	Ring, Optional S=11,63	8035920	1	Ring, Optional S=10,97	
	1321197	1	Ring, Optional S=11,66	1321202	1	Ring, Optional S=10,94	
	8035892	1	Ring, Optional S=11,69	5	1321212	1	Bearing, Roller
	8035893	1	Ring, Optional S=11,72	6	1321210	1	Ring, Combination
	8035894	1	Ring, Optional S=11,75	7	1321248	1	Yoke, End
	8035895	1	Ring, Optional S=11,78	8	1321194	1	Washer
	8035896	1	Ring, Optional S=11,81	9	8035921	1	Nut, Hex
	1321198	1	Ring, Optional S=11,84				
	8035897	1	Ring, Optional S=11,87				

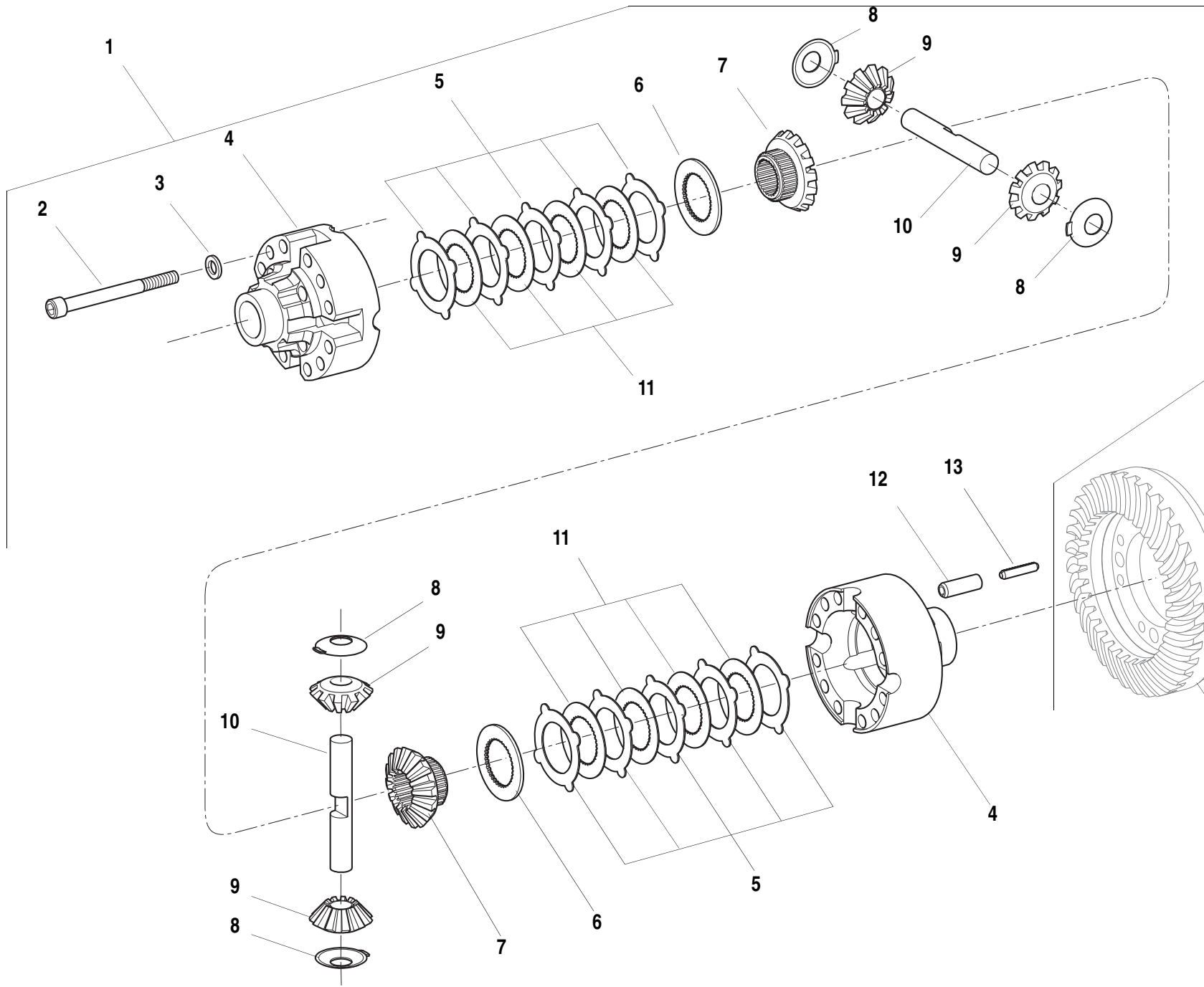
S/N MV006 –

MMV

Tier 1
Tier 2

FRONT AXLE - INPUT

1.2.1



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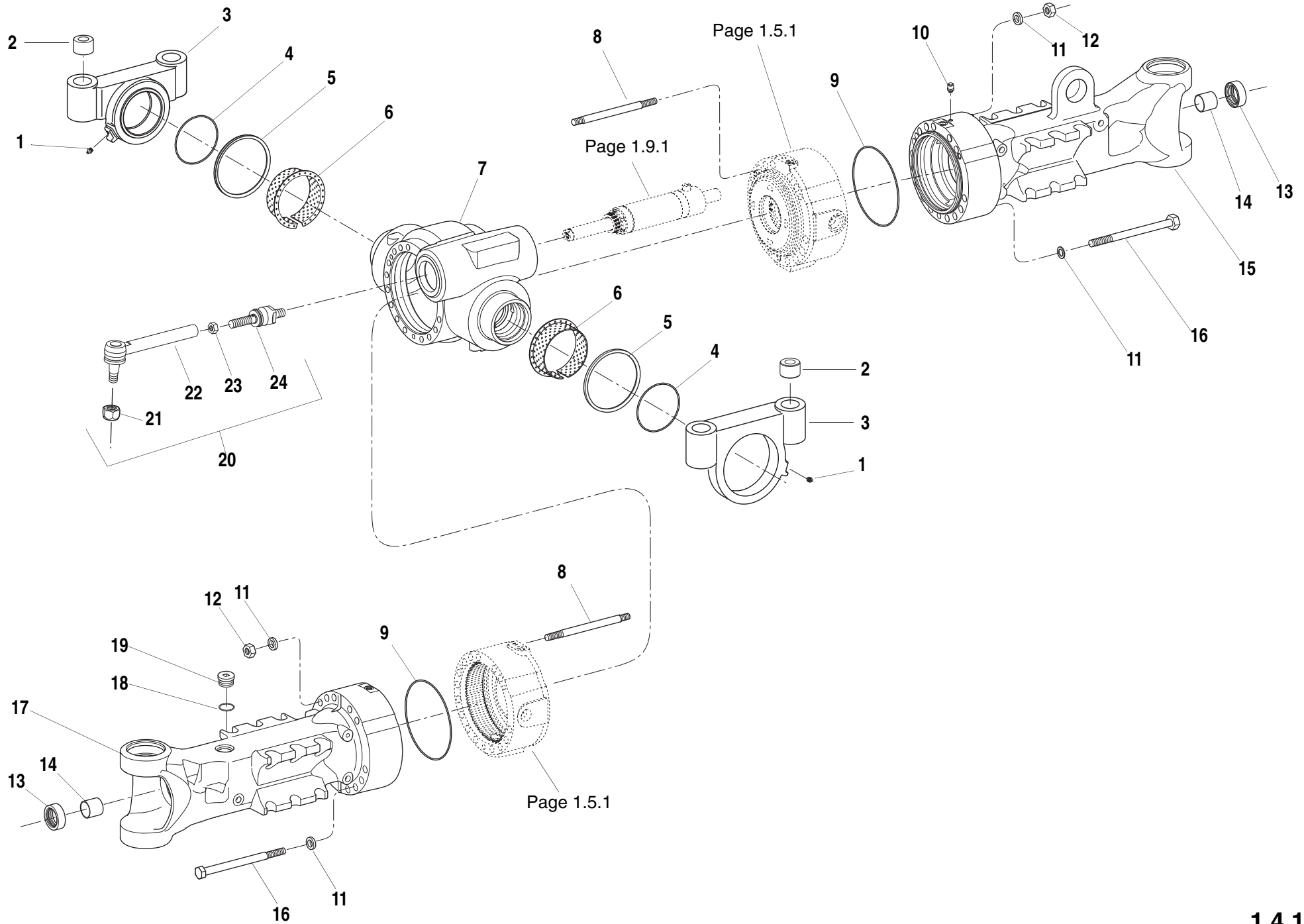
ITEM	PART NO.	QTY.	DESCRIPTION
1	8036310	1	Limited Slip Differential Assembly (Includes Items 2 thru 13)
2	8035923	12	Screw, Cap
3	1321184	12	Washer
4	1321215	1	Case, Differential
5	1321219	10	Disc, O. Clutch - Optional A=1,2
	1321220	10	Disc, O. Clutch - Optional A=1,3
	1321221	10	Disc, O. Clutch - Optional A=1,4
6	1321217	2	Disc, Pressure
7	8036842	2	Gear, Axle Bevel
8	1319415	4	Washer, Thrust
9	1319414	4	Gear, Differential Bevel
10	1321225	2	Axle, Differential
11	1321218	8	Disc, I. Clutch
12	1321153	4	Pin, Slotted
13	1321154	4	Pin, Slotted

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Tier 1
Tier 2

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ITEM	PART NO.	QTY.	DESCRIPTION
1	1319423	2	Fitting, Grease
2	1319441	4	Bushing, Centering
3	8036845	2	Bracket
4	1319439	2	O-Ring
5	1319440	2	V-Ring
6	8036419	2	Bushing, Flange
7	8036417	1	Housing, Axle Drive
8	8036313	8	Stud
9	1319425	2	O-Ring
10	1319436	1	Valve, Vent
11	8036312	30	Washer, (not required on later production models)
12	1319429	8	Nut, Hex
13	8036754	2	Seal, Shaft
14	1319433	2	Bushing
15	8036415	1	Axle Casing, Right Front
16	8035927	24	Screw, Hex, (only qty. of 22 required for later production models)
17	8036416	1	Axle Casing, Left Front
18	8036331	1	O-Ring
19	1319506	1	Plug, Screw
20	8036843	2	Rod, Track (Includes Items 21 thru 24)
21	8036758	1	Nut, Locking
22	8036844	1	Coupling, Ball Joint w/Pipe
23	8036759	1	Nut, Hex
24	8036757	1	Coupling, Axial Joint

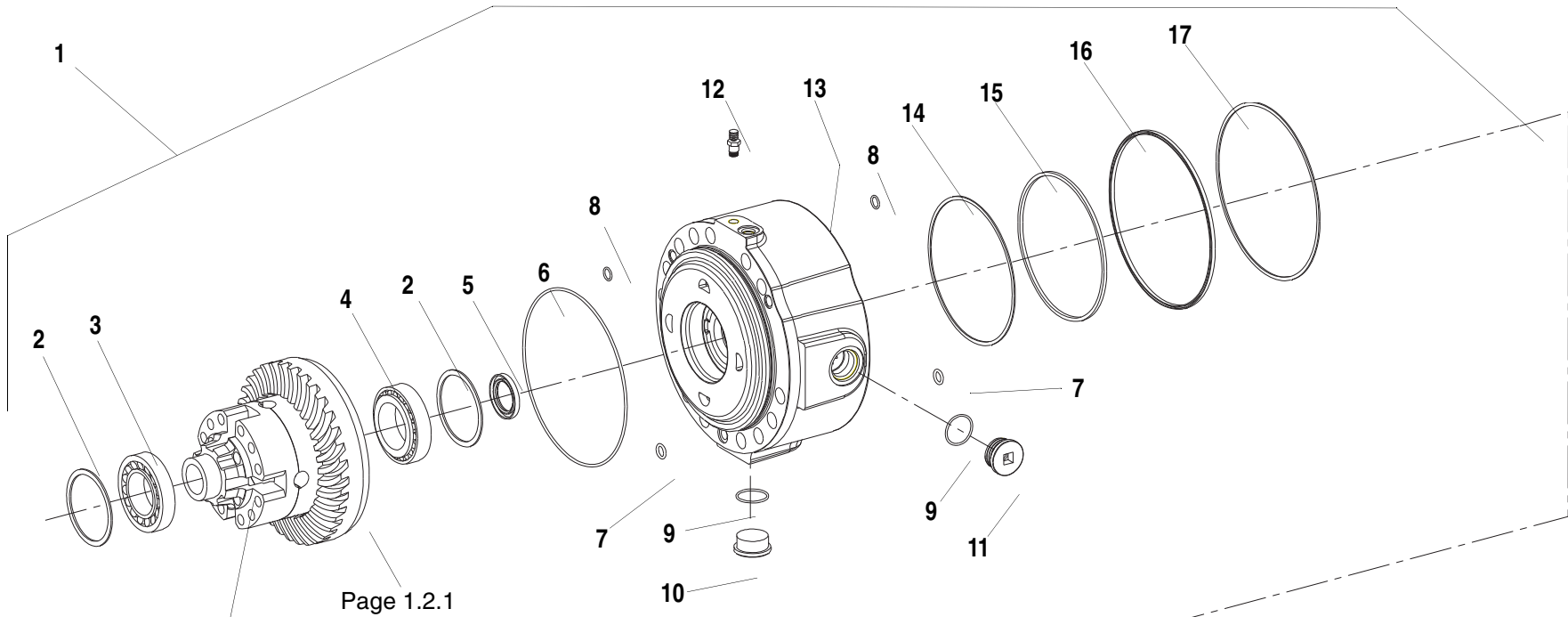
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Tier 1
Tier 2

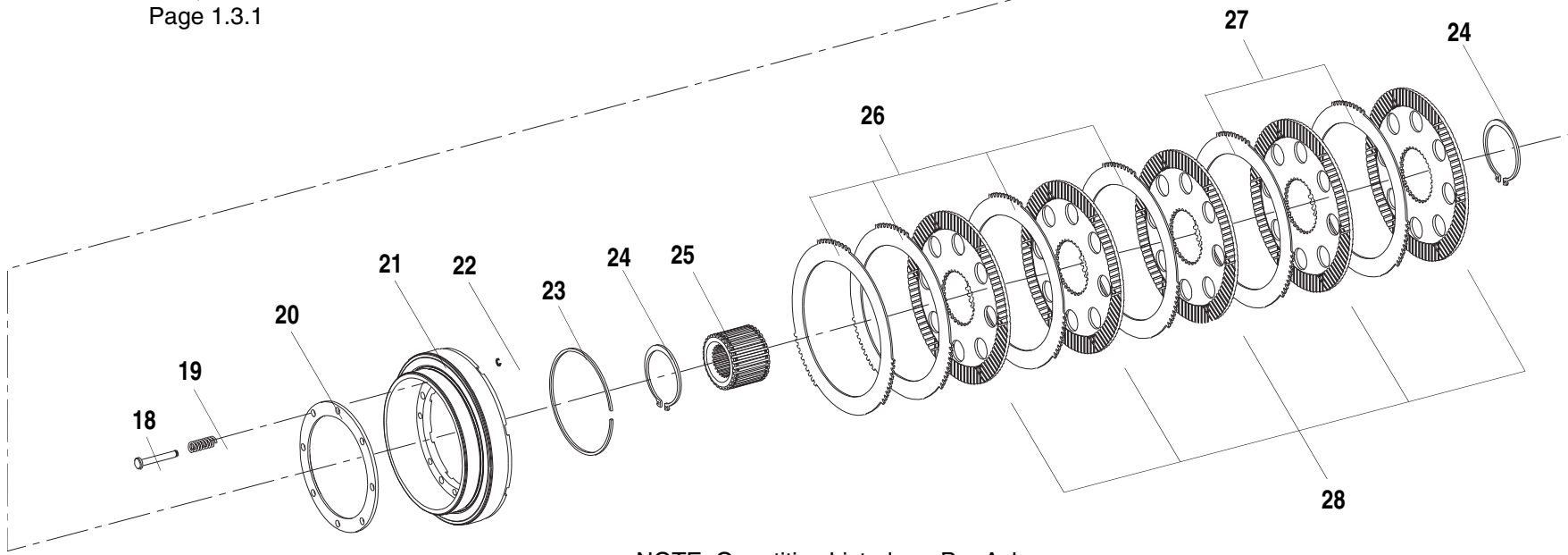
FRONT AXLE - AXLE CASING

1.4.1



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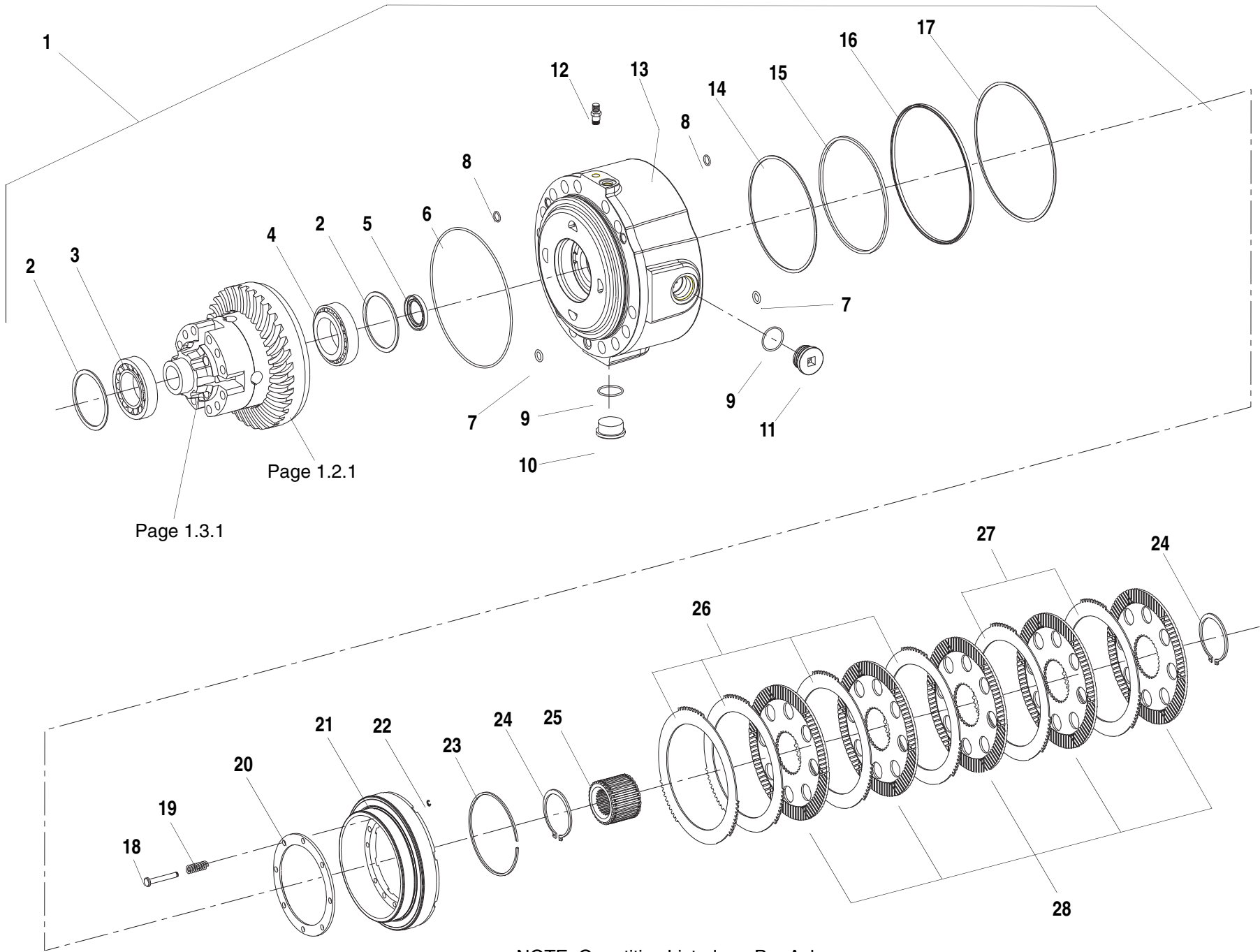
NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION			
1		Ref	M-Disk Assembly (Includes Items 2 thru 28)	1319516	A/R	Shim, Optional A=1,70
2	1319531	A/R	Shim, Optional A=0,1	1319515	A/R	Shim, Optional A=1,75
	8035945	A/R	Shim, Optional A=0,15	1319514	A/R	Shim, Optional A=1,80
	1319530	A/R	Shim, Optional A=0,2	1319513	A/R	Shim, Optional A=1,85
	8035946	A/R	Shim, Optional A=0,25	1319512	A/R	Shim, Optional A=1,90
	1319529	A/R	Shim, Optional A=0,3	1319511	A/R	Shim, Optional A=1,95
	8035947	A/R	Shim, Optional A=0,35	3	8036445	1 Bearing, Roller
	8035951	A/R	Shim, Optional A=0,4	4	8036447	1 Bearing, Roller
	1319543	A/R	Shim, Optional A=0,45	5	8036444	2 Seal, Shaft
	1319527	A/R	Shim, Optional A=0,5	6	1319425	2 O-Ring
	1321158	A/R	Shim, Optional A=0,55	7	8036847	4 O-Ring
	1319526	A/R	Shim, Optional A=0,6	8	1319491	8 O-Ring
	1319532	A/R	Shim, Optional A=0,65	9	8036331	2 O-Ring
	1319533	A/R	Shim, Optional A=0,7	10	1319431	2 Plug, Screw
	1319534	A/R	Shim, Optional A=0,75	11	1319506	2 Plug, Screw
	1319525	A/R	Shim, Optional A=0,8	12	1319505	2 Valve, Vent
	1319535	A/R	Shim, Optional A=0,85	13	70022838	1 Housing, Brake - Right Side
	1319536	A/R	Shim, Optional A=0,9		70022839	1 Housing, Brake - Left Side
	1319537	A/R	Shim, Optional A=0,95	14	1321151	2 Ring, Support
	1319524	A/R	Shim, Optional A=1,0	15	1321162	2 U-Ring
	1319545	A/R	Shim, Optional A=1,05	16	1321163	2 U-Ring
	1319538	A/R	Shim, Optional A=1,10	17	1321152	2 Ring, Support
	1319539	A/R	Shim, Optional A=1,15	18	1319496	16 Pin
	1319523	A/R	Shim, Optional A=1,20	19	1319497	16 Spring, Compression
	1319540	A/R	Shim, Optional A=1,25	20	8036305	2 Washer
	1319541	A/R	Shim, Optional A=1,30	21	8036304	2 Piston
	1319542	A/R	Shim, Optional A=1,35	22	1319499	16 Ring, Crescent
	1319522	A/R	Shim, Optional A=1,40	23	1319504	2 Ring, Snap
	1319521	A/R	Shim, Optional A=1,45	24	10731949	4 Ring, Retaining
	1319520	A/R	Shim, Optional A=1,50	25	1321174	2 Carrier, Disc, (Before Axle S/N 823786)
	1319519	A/R	Shim, Optional A=1,55		70020409	2 Carrier, Disc, (Axle S/N 823786 & After)
	1319518	A/R	Shim, Optional A=1,60	26	1319502	8 Disc, O. Clutch - Optional S=3,0, (Before Axle S/N 791632)
	1319517	A/R	Shim, Optional A=1,65		70020487	8 Disc, O. Clutch - Optional S=3,0, (Axle S/N 791632 & After)
	1319510	A/R	Shim, Optional A=2,0			
	1321159	A/R	Shim, Optional A=1,47			
	8035948	A/R	Shim, Optional A=1,63			

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Tier 1
Tier 2



NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
27	1319500	4	Disc, O. Clutch - Optional S=2,0, (Before Axle S/N 791632)
	70020485	4	Disc, O. Clutch - Optional S=2,0, (Axle S/N 791632 & After)
	1319501	4	Disc, O. Clutch - Optional S=2,5, (Before Axle S/N 791632)
	70020486	4	Disc, O. Clutch - Optional S=2,5, (Axle S/N 791632 & After)
	1319502	4	Disc, O. Clutch - Optional S=3,0, (Before Axle S/N 791632)
	70020487	4	Disc, O. Clutch - Optional S=3,0, (Axle S/N 791632 & After)
28	1321150	10	Disc, I. Clutch, (Before Axle S/N 823786)
	70020408	10	Disc, I. Clutch, (Axle S/N 823786 & After)

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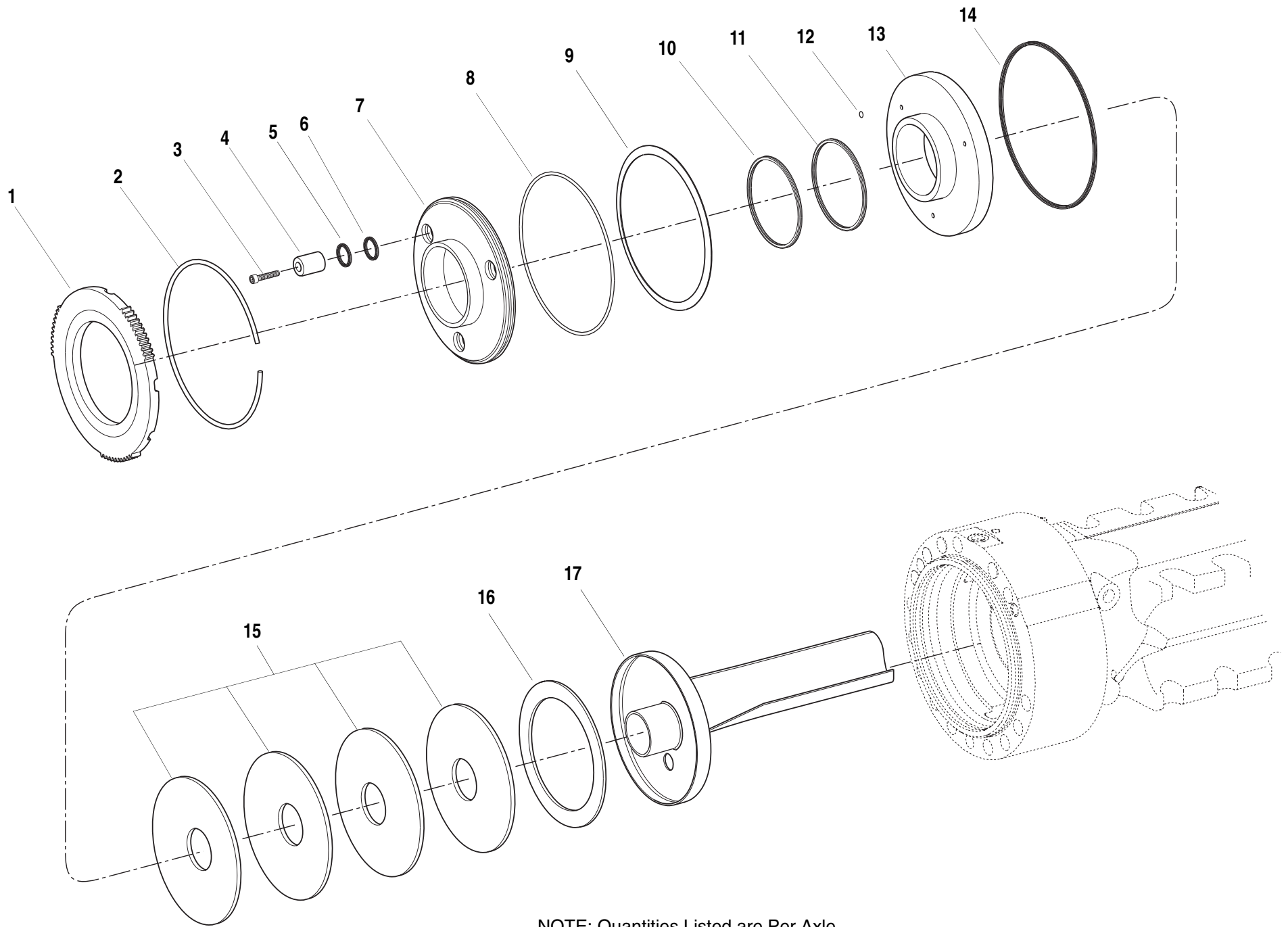
MMV

Tier 1
Tier 2

S/N MV006 -

FRONT AXLE - M-DISC BRAKE (2 OF 2)

1.5.1



NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
1	8036848	2	Shim, End, (Before Axle S/N 791632)
	70020413	2	Shim, End, (Axle S/N 791632 & After)
2	1321206	2	Ring, Snap
3	8036321	6	Screw, Cap
4	8036858	6	Pin, Pressure
5	8036862	6	O-Ring
6	8036861	6	U-Ring
7	8036849	2	Washer, Sealing
8	8036320	2	O-Ring
9	1321208	2	Spring, Cup
10	8036855	2	Backup Ring
11	8036854	2	U-Ring
12	8036859	6	Backup Ring
13	7027212	2	Piston
14	8036852	2	U-Ring
15	1321207	8	Spring, Cup
16	8035958	2	Washer, Spacing
17	8036856	2	Piston

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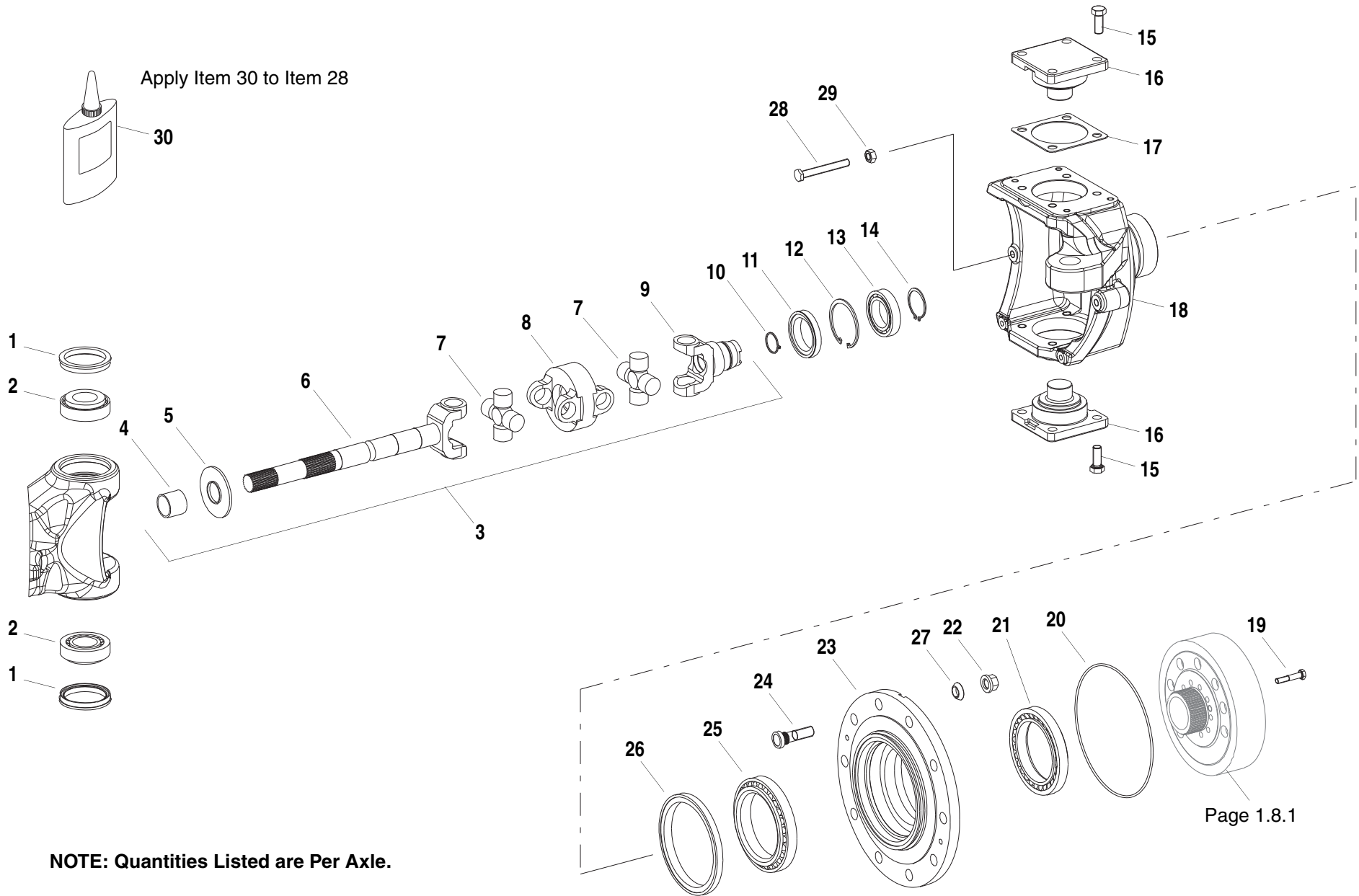
MMV

Tier 1
Tier 2

S/N MV006 –

FRONT AXLE - BRAKE

1.6.1



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NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
1	1319447	4	Seal, Shaft
2	1319445	4	Bearing, Roller
3	1321175	2	Shaft, D. Universal Coupling, (Includes Items 4 thru 9)
4	8035973	1	Bushing
5	8035974	1	Sheet, Screen
6	8035972	1	Fork, Joint Coupling
7	8035970	2	Cross, Joint, (not maintenance free), (Before Axle S/N 761550)
	70021790	2	Cross, Joint, (maintenance free), (Axle S/N 761550 & After)
8	8035969	1	Central Piece, (not maintenance free), (Before Axle S/N 761550)
	70021789	1	Central Piece, (maintenance free), (Axle S/N 761550 & After)
9	8035971	1	Fork, Joint
10	1321228	2	Ring, Retaining
11	7028977	2	Seal, Shaft
12	1319210	2	Ring, Retaining
13	1321157	2	Bearing, Ball
14	80304405	2	Ring, Retaining
15	1319464	16	Screw, Hex
16	1319462	4	Pin, Bearing
17	1321249	A/R	Shim, Optional A=0,2
	8035959	A/R	Shim, Optional A=0,3
	8035960	A/R	Shim, Optional A=0,4
	8035961	A/R	Shim, Optional A=0,5
	8035962	A/R	Shim, Optional A=0,6
	1321250	A/R	Shim, Optional A=0,7
	8035963	A/R	Shim, Optional A=0,8
	8035964	A/R	Shim, Optional A=1,0
	8035965	A/R	Shim, Optional A=1,2
	8035966	A/R	Shim, Optional A=1,4
	1321251	A/R	Shim, Optional A=1,6
	8035967	A/R	Shim, Optional A=1,8
	8035968	A/R	Shim, Optional A=2,0
18	8036863	1	Housing, Joint - Right Side

ITEM	PART NO.	QTY.	DESCRIPTION
	8036864	1	Housing, Joint - Left Side
19	8036866	20	Screw, Hex
20	1321155	2	O-Ring
21	1319472	2	Bearing, Roller
22	8786570	20	Nut, Sph. Collar (Lug Nut)
23	8036472	2	Hub
24	1101056	20	Bolt, Wheel (Stud)
25	8036471	2	Bearing, Roller
26	80304173	2	Seal, Shaft
27	8786571	20	Washer, Spring Lock
28	1319476	2	Screw, Stop
29	1319477	2	Nut
30	8526007	1	Thread Locker Loctite #242, 250 ml. (Bottle)

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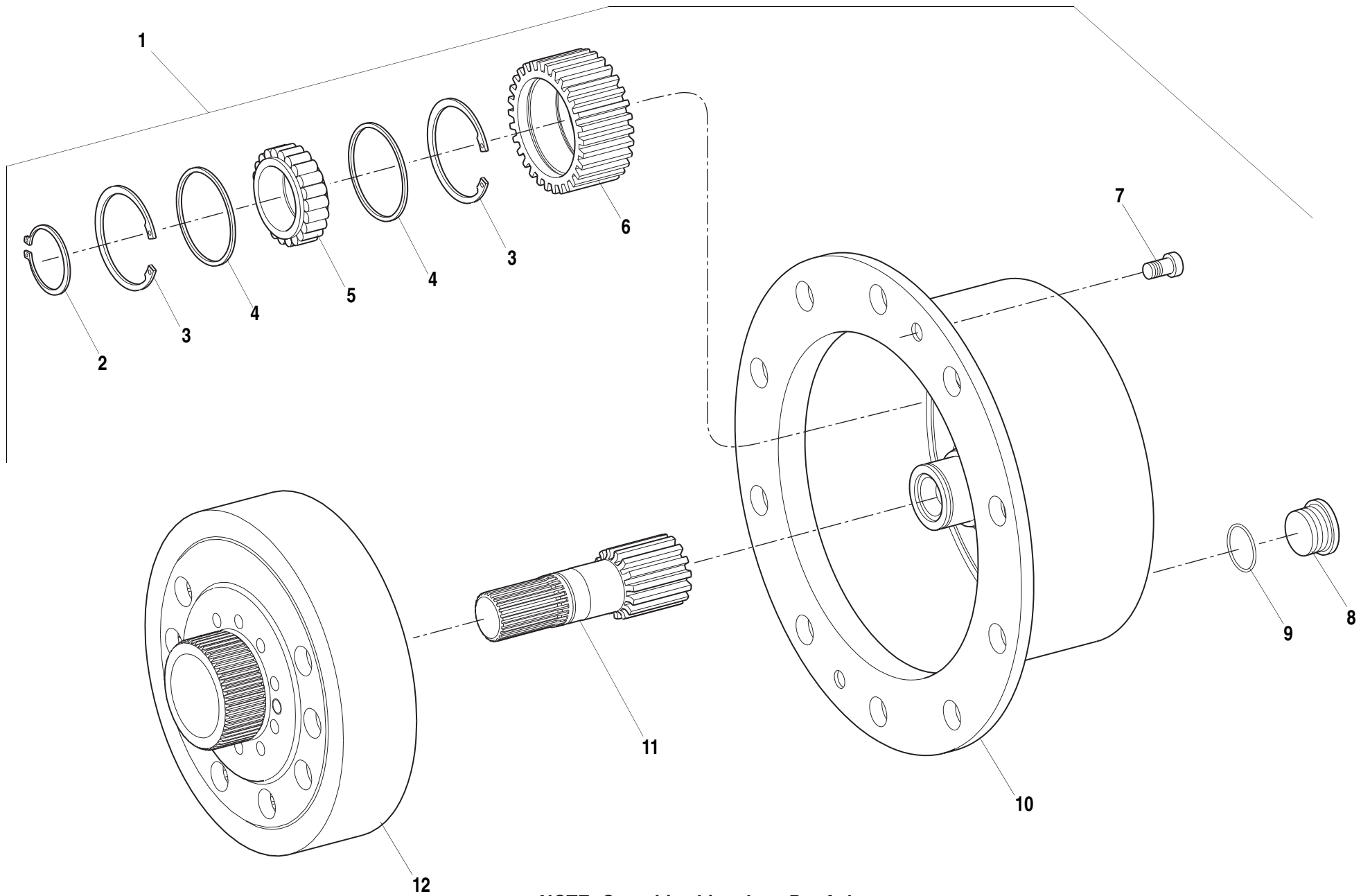
S/N MV006 -

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Tier 1
Tier 2

FRONT AXLE - JOINT HOUSING

1.7.1



NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
1		Ref	Planetary Drive Assembly (Includes Items 2 thru 12)
2	80304227	3	Ring, Retaining
3	1321205	6	Ring, Snap, (Before S/N 1723586)
4	1321191	6	Washer, (Before S/N 1723586)
5	1321214	3	Bearing, Tapered Roller, (Before Axle S/N 1723586)
	70023330	3	Bearing, Cylindrical Roller, (Axle S/N 1723586 & After)
6	1321233	3	Gear, Planet, (Before S/N 1723586)
	70022271	3	Gear, Planet, (Axle S/N 1723586 & After)
7	8035977	2	Screw, Cap
8	1319506	1	Plug, Screw
9	8036331	1	O-Ring
10	1321232	1	Carrier, Planet, (Before S/N 1723586)
	70023261	1	Carrier, Planet, (Axle S/N 1723586 & After)
11	1321255	1	Shaft, Sun Gear
12	1321258	1	Gear, Ring

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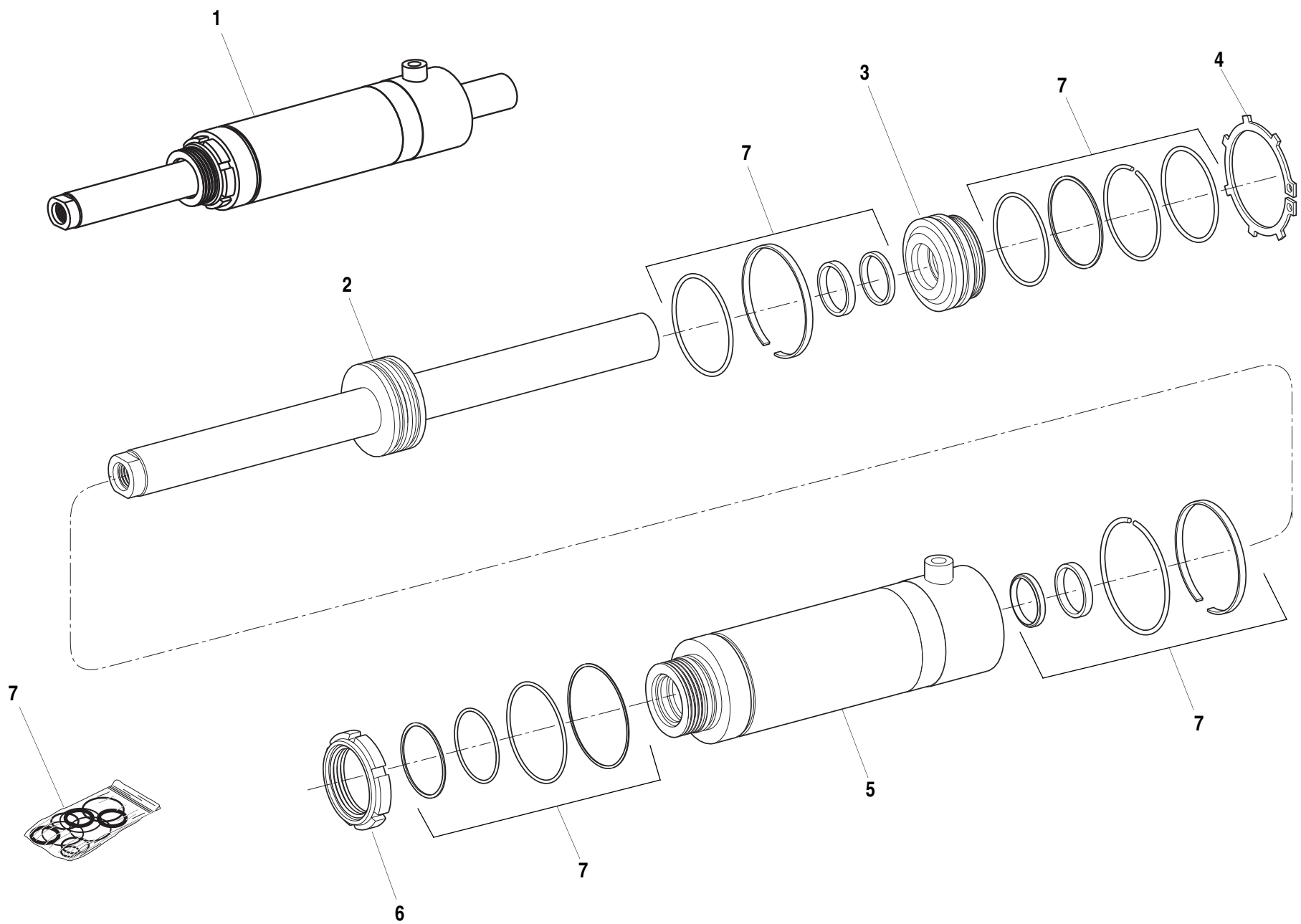
S/N MV006 –

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Tier 1
Tier 2

FRONT AXLE - PLANETARY DRIVE

1.8.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1321149	1	Steering Cylinder Assembly, (no longer available, order 70021617 for replacement), (Includes Items 2 thru 6), (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491)
	70021617	1	Steering Cylinder Assembly, (includes items 2 thru 6), (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)
2	N.S.S.	1	Rod, Piston, (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491), (Order Item 1)
	70021568	1	Rod, Piston, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)
3	N.S.S.	1	Guide Piece, (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491), (Order Item 1)
	70021569	1	Guide Piece, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)
4	N.S.S.	1	L-Ring, (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491), (Order Item 1)
	70021571	1	L-Ring, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)
5	N.S.S.	1	Tube, Cylinder, (Order Item 1)
6	8035998	1	Nut, Slotted, (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491)
	70021570	1	Nut, Slotted, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)
7	70021726	2	Retaining Ring, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After), (not shown)
8	70022610	1	Slot Pin, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After), (not shown)
			<u>KITS</u>
7	8035981	1	Kit, Seal, (Before Front Axle S/N 1303477 & Rear Axle S/N 1303491)
	70021495	1	Kit, Seal, (Front Axle S/N 1303477 & After, Rear Axle S/N 1303491 & After)

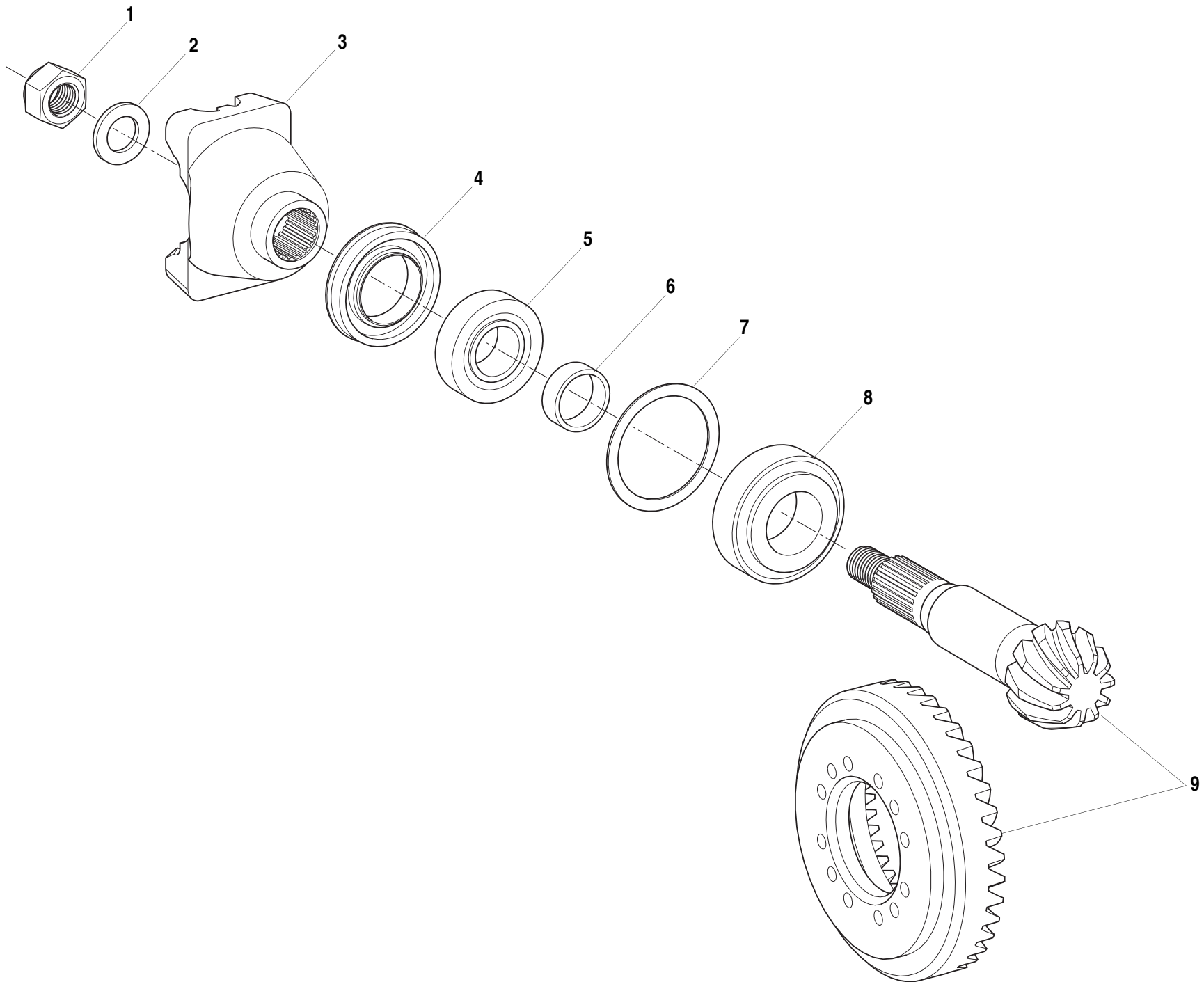
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Tier 1
Tier 2

STEERING CYLINDER

1.9.1

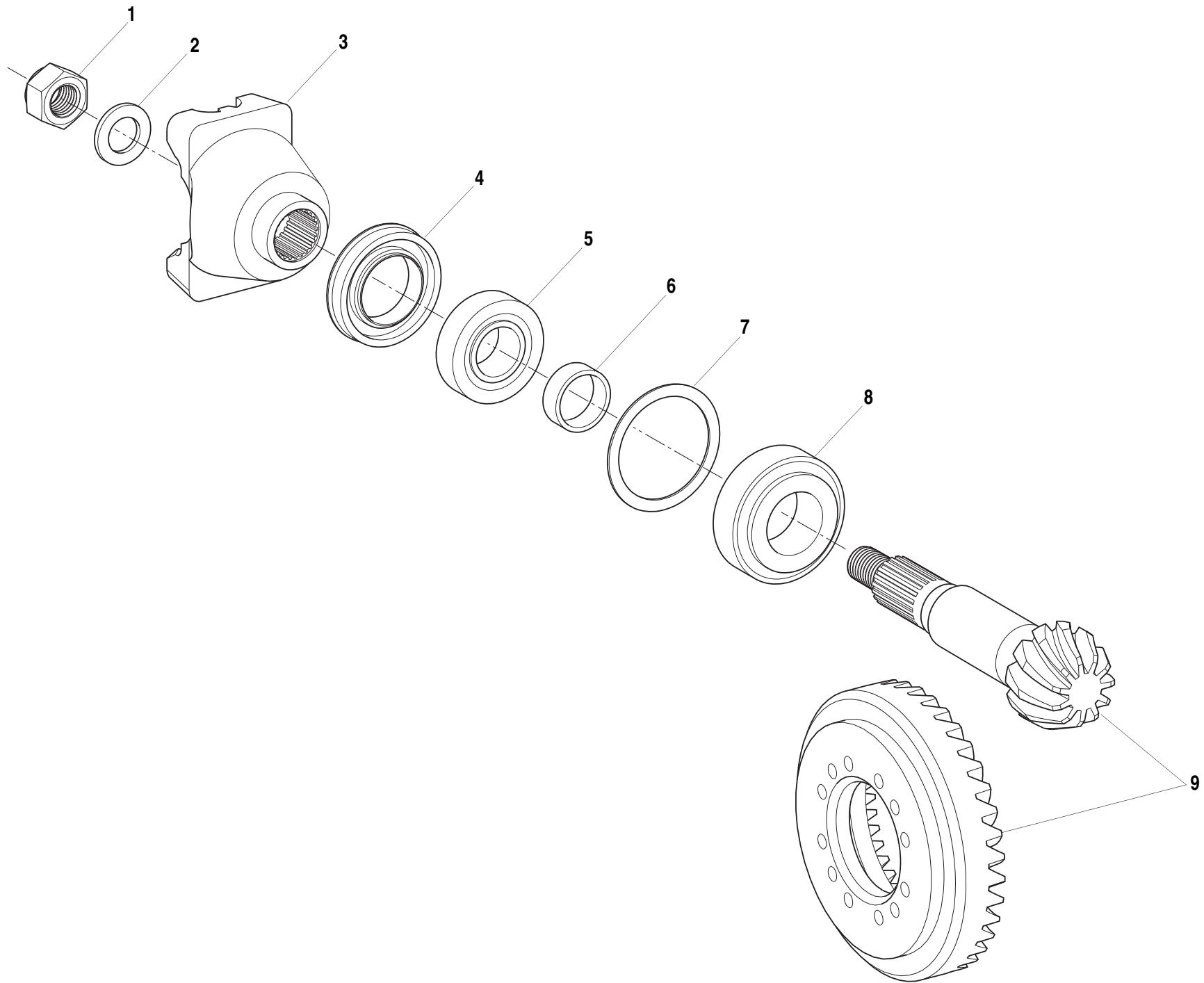


ITEM	PART NO.	QTY.	DESCRIPTION			
1	8035983	1	Nut, Hex	1319385	1	Ring, Optional S=15,43
2	1319406	1	Washer	1319386	1	Ring, Optional S=15,36
3	1321237	1	Yoke, End	1319387	1	Ring, Optional S=15,33
4	1321211	1	Ring, Combination	1319388	1	Ring, Optional S=15,26
5	1319444	1	Bearing, Roller	1319389	1	Ring, Optional S=15,38
6	1319354	1	Ring, Optional S=15,1	1319390	1	Ring, Optional S=15,48
	1319355	1	Ring, Optional S=15,2	1319391	1	Ring, Optional S=15,58
	1319356	1	Ring, Optional S=15,3	1319392	1	Ring, Optional S=15,68
	1319357	1	Ring, Optional S=15,4	1319393	1	Ring, Optional S=15,69
	1319358	1	Ring, Optional S=15,5	1319394	1	Ring, Optional S=15,72
	1319359	1	Ring, Optional S=15,6	1319395	1	Ring, Optional S=15,78
	1319360	1	Ring, Optional S=15,7	1319396	1	Ring, Optional S=15,81
	1319361	1	Ring, Optional S=15,8	1319397	1	Ring, Optional S=15,84
	1319362	1	Ring, Optional S=15,9	1319398	1	Ring, Optional S=15,88
	1319363	1	Ring, Optional S=16,0	1319399	1	Ring, Optional S=15,89
	1319364	1	Ring, Optional S=16,1	1319400	1	Ring, Optional S=15,91
	1319365	1	Ring, Optional S=16,2	1319401	1	Ring, Optional S=15,94
	1319366	1	Ring, Optional S=16,3	1319402	1	Ring, Optional S=15,97
	1319367	1	Ring, Optional S=16,4	7 1319333	A/R	Washer, Optional S=1,0
	8035982	1	Ring, Optional S=16,26	1319334	A/R	Washer, Optional S=1,05
	1319369	1	Ring, Optional S=16,23	1319335	A/R	Washer, Optional S=1,1
	1319370	1	Ring, Optional S=16,16	1319336	A/R	Washer, Optional S=1,15
	1319371	1	Ring, Optional S=16,13	1319337	A/R	Washer, Optional S=1,2
	1319372	1	Ring, Optional S=16,06	1319338	A/R	Washer, Optional S=1,25
	1319373	1	Ring, Optional S=16,03	1319339	A/R	Washer, Optional S=1,3
	1319374	1	Ring, Optional S=15,96	1319340	A/R	Washer, Optional S=1,35
	1319375	1	Ring, Optional S=15,93	1319341	A/R	Washer, Optional S=1,4
	1319376	1	Ring, Optional S=15,86	1319342	A/R	Washer, Optional S=1,45
	1319377	1	Ring, Optional S=15,83	1319343	A/R	Washer, Optional S=1,5
	1319378	1	Ring, Optional S=15,76	1319344	A/R	Washer, Optional S=1,55
	1319379	1	Ring, Optional S=15,73	1319345	A/R	Washer, Optional S=1,6
	1319380	1	Ring, Optional S=15,66	1319346	A/R	Washer, Optional S=0,9
	1319381	1	Ring, Optional S=15,63	1319347	A/R	Washer, Optional S=0,95
	1319382	1	Ring, Optional S=15,56	1319348	A/R	Washer, Optional S=0,65
	1319383	1	Ring, Optional S=15,53	1319349	A/R	Washer, Optional S=0,70
	1319384	1	Ring, Optional S=15,46	1319350	A/R	Washer, Optional S=0,75

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Tier 1
Tier 2



ITEM PART NO. QTY. DESCRIPTION

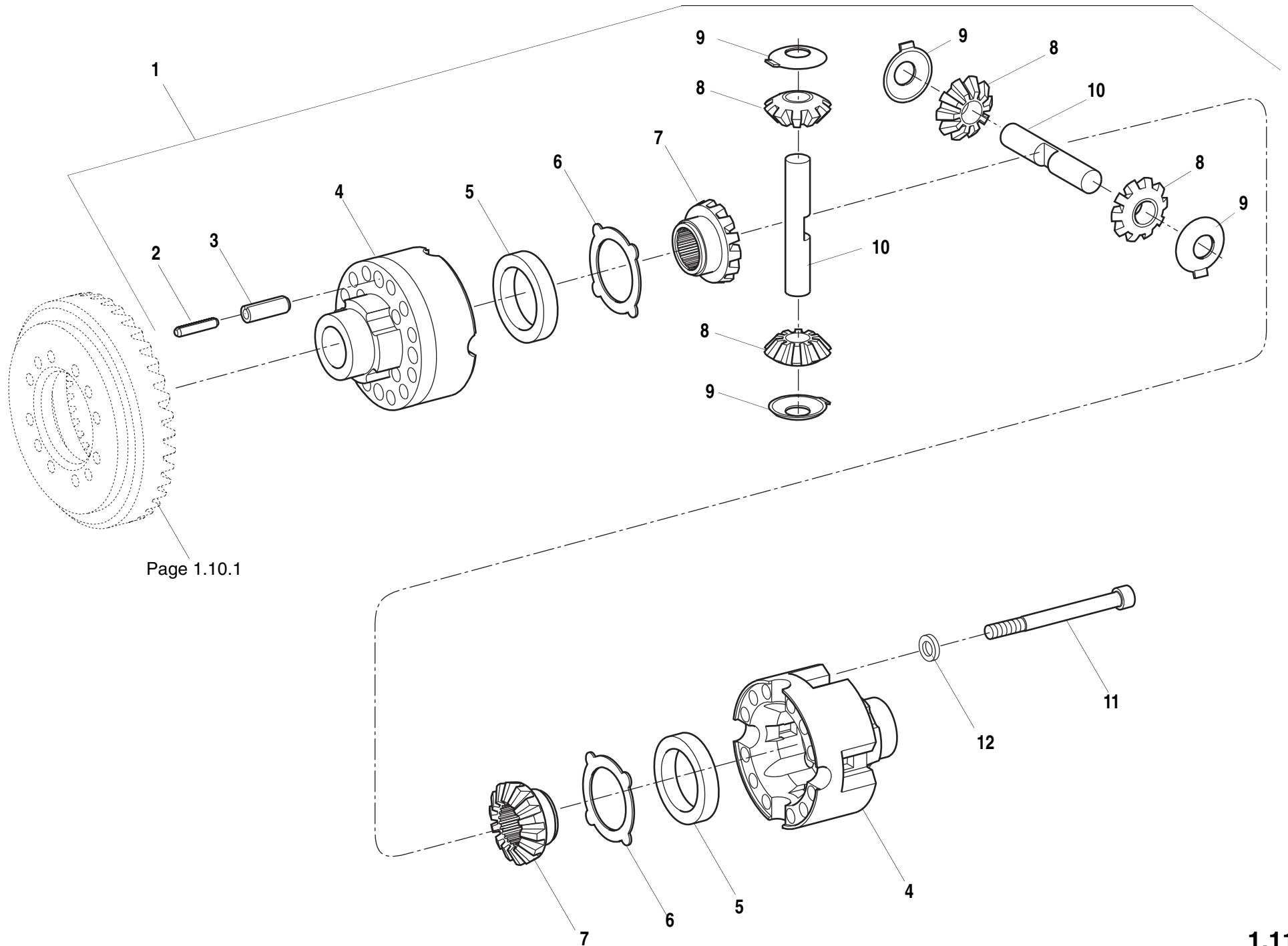
7	1319351	A/R	Washer, Optional S=0,85
	1319352	A/R	Washer, Optional S=0,80
8	1319353	1	Bearing, Roller
9	8036751	1	Gear Set, Bevel

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Tier 1
Tier 2



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ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Differential Assembly (Includes Items 2 thru 12)
2	1321154	4	Pin, Slot.
3	1321153	4	Pin, Slot.
4	1321215	1	Case, Differential
5	1321260	2	Ring, Differential A=13,7
	8035984	2	Ring, Differential A=13,6
	1321259	2	Ring, Differential A=13,5
6	1319412	2	Washer, Thrust
7	8036752	2	Gear, Axle Bevel
8	8036753	4	Gear, Differential Bevel
9	1319415	4	Washer, Thrust
10	1321225	2	Axle, Differential
11	8035923	12	Screw, Cap
12	1321184	12	Washer

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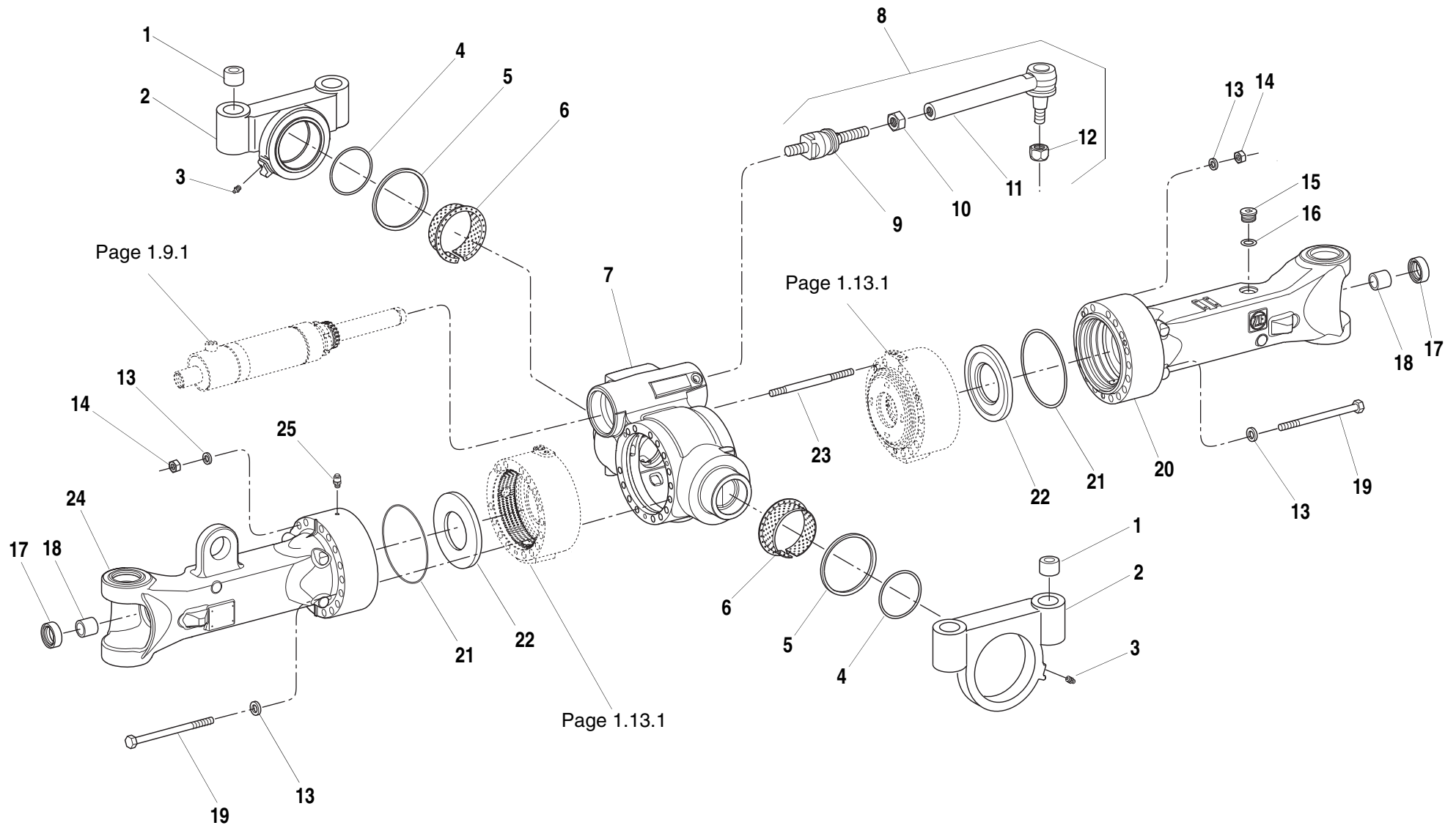
S/N MV006 –

MMV

Tier 1
Tier 2

REAR AXLE - DIFFERENTIAL

1.11.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319441	4	Bushing, Centering
2	8036845	2	Bracket
3	1319423	2	Fitting, Grease
4	1319439	2	O-Ring
5	1319440	2	V-Ring
6	8036419	2	Bushing, Flange
7	8036865	1	Housing, Axle Drive
8	8036843	2	Rod, Track (Includes Items 9 thru 12)
9	8036757	2	Coupling, Axial Joint
10	8036759	2	Nut, Hex
11	8036844	2	Coupling, Ball Joint w/Pipe
12	8036758	2	Nut, Locking
13	8036312	30	Washer
14	1319429	8	Nut, Hex
15	1319506	1	Plug, Screw
16	8036331	1	O-Ring
17	8036754	2	Seal, Shaft
18	1319433	2	Bushing
19	8035927	22	Screw, Hex
20	8036335	1	Casing, Axle (Right Rear)
21	1319425	2	O-Ring
22	8036606	2	Shim, End
23	8036313	8	Stud
24	8035986	1	Casing, Axle (Left Rear)
25	1319436	1	Valve, Vent

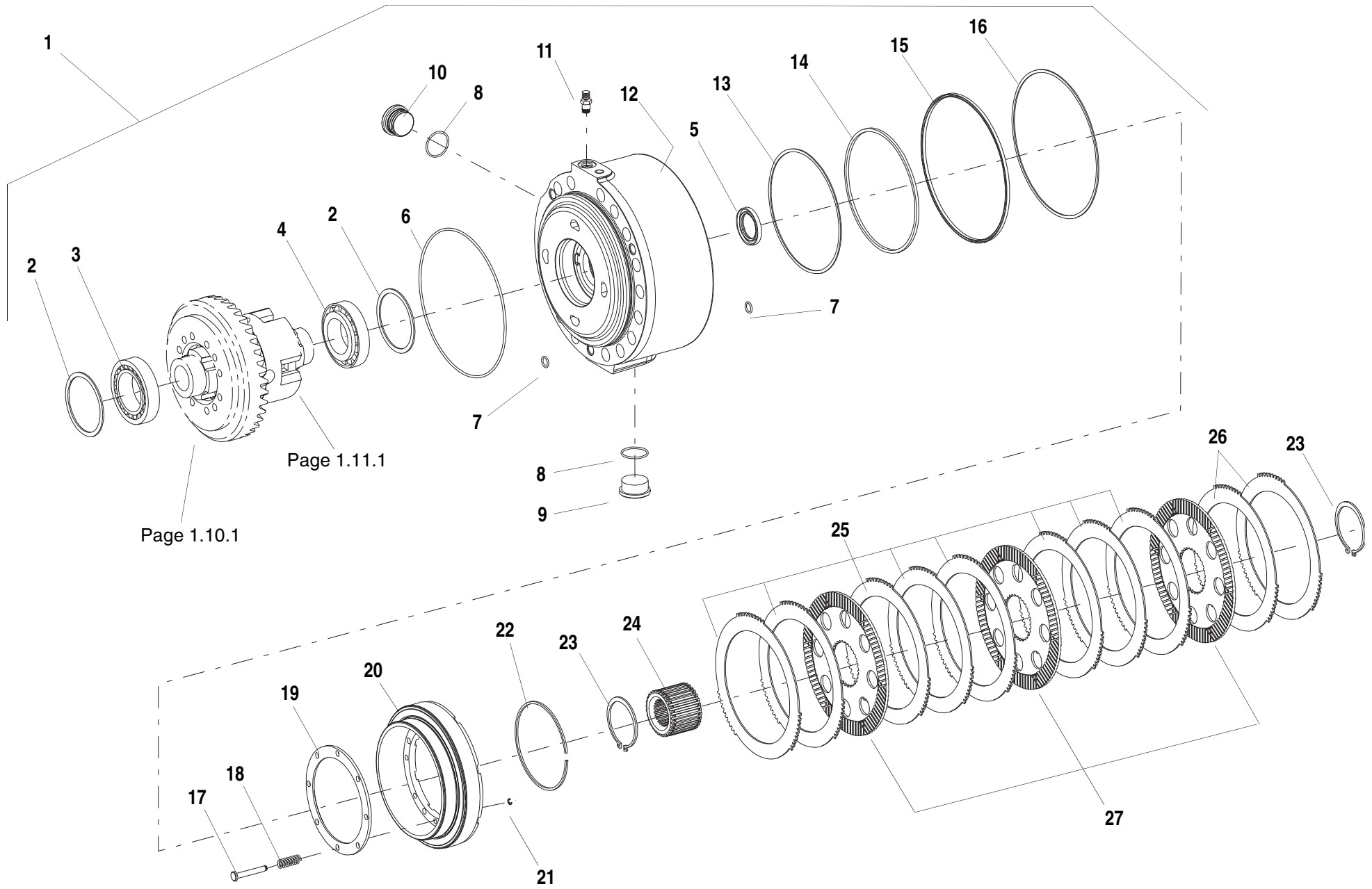
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Tier 1
Tier 2

REAR AXLE - AXLE CASING

1.12.1



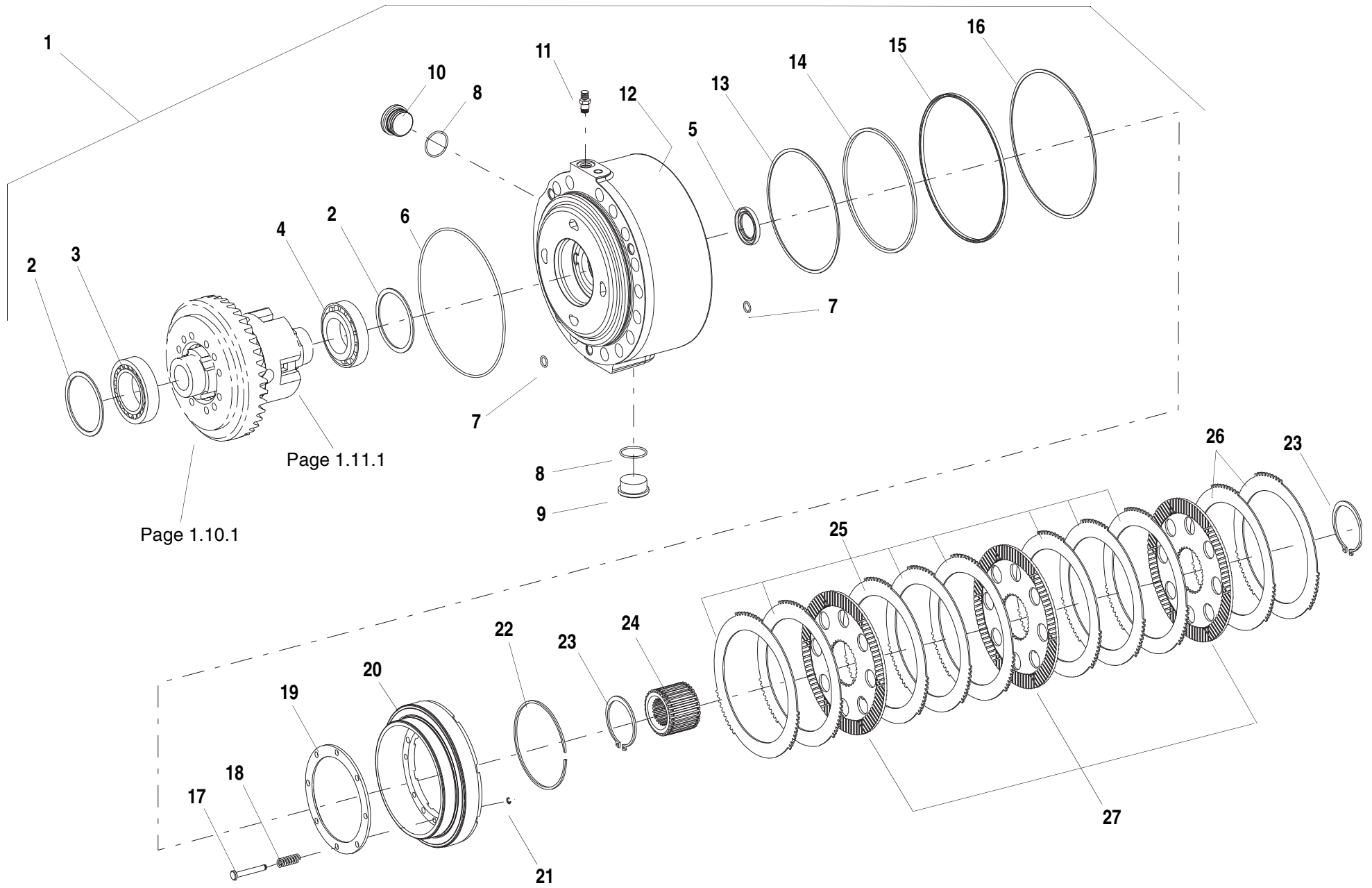
NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION			
1		Ref	M-Disk Brake Assembly (Includes Items 2 thru 27)	1319516	A/R	Shim, Optional A=1,70
2	1319531	A/R	Shim, Optional A=0,1	1319515	A/R	Shim, Optional A=1,75
	8035945	A/R	Shim, Optional A=0,15	1319514	A/R	Shim, Optional A=1,80
	1319530	A/R	Shim, Optional A=0,2	1319513	A/R	Shim, Optional A=1,85
	8035946	A/R	Shim, Optional A=0,25	1319512	A/R	Shim, Optional A=1,90
	1319529	A/R	Shim, Optional A=0,3	1319511	A/R	Shim, Optional A=1,95
	8035947	A/R	Shim, Optional A=0,35	3	8036447	1 Bearing, Roller
	8035951	A/R	Shim, Optional A=0,4	4	8036445	1 Bearing, Roller
	1319543	A/R	Shim, Optional A=0,45	5	8036444	2 Seal, Shaft
	1319527	A/R	Shim, Optional A=0,5	6	1319425	2 O-Ring
	1321158	A/R	Shim, Optional A=0,55	7	1319491	12 O-Ring
	1319526	A/R	Shim, Optional A=0,6	8	8036331	4 O-Ring
	1319532	A/R	Shim, Optional A=0,65	9	1319431	2 Plug, Screw
	1319533	A/R	Shim, Optional A=0,7	10	1319506	2 Plug, Screw
	1319534	A/R	Shim, Optional A=0,75	11	1319505	2 Valve, Vent
	1319525	A/R	Shim, Optional A=0,8	12		1 Housing, Brake, (Before Axle S/N 791632 housings are no longer available; order housing plus end plate 70020413, outer disc 70020487 and other discs for shimming)
	1319535	A/R	Shim, Optional A=0,85		70020483	1 Housing, Brake - Left Side, (Axle S/N 791632)
	1319536	A/R	Shim, Optional A=0,9		70020484	1 Housing, Brake - Right Side, (Axle S/N 791632)
	1319537	A/R	Shim, Optional A=0,95	13	1321151	2 Ring, Support
	1319524	A/R	Shim, Optional A=1,0	14	1321162	2 U-Ring
	1319525	A/R	Shim, Optional A=1,05	15	1321163	2 U-Ring
	1319538	A/R	Shim, Optional A=1,10	16	1321152	2 Ring, Support
	1319539	A/R	Shim, Optional A=1,15	17	1319496	16 Pin
	1319523	A/R	Shim, Optional A=1,20	18	1319497	16 Spring, Compression
	1319540	A/R	Shim, Optional A=1,25	19	8036305	2 Washer
	1319541	A/R	Shim, Optional A=1,30	20	8036304	2 Piston
	1319542	A/R	Shim, Optional A=1,35	21	1319499	16 Ring, Crescent
	1319522	A/R	Shim, Optional A=1,40	22	1319504	2 Ring, Snap
	1319521	A/R	Shim, Optional A=1,45	23	10731949	4 Ring, Retaining
	1319520	A/R	Shim, Optional A=1,50	24	1321174	2 Carrier, Disc, (Before Axle S/N 824742)
	1319519	A/R	Shim, Optional A=1,55		70020409	2 Carrier, Disc, (Axle S/N 824742 & After)
	1319518	A/R	Shim, Optional A=1,60	25	1319502	16 Disc, O. Clutch - Optional S=3,0, (Before Axle S/N 791632)
	1319517	A/R	Shim, Optional A=1,65			
	1319510	A/R	Shim, Optional A=2,0			
	1321159	A/R	Shim, Optional A=1,47			
	8035948	A/R	Shim, Optional A=1,63			

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MMV

Tier 1
Tier 2



NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
	70020487	16	Disc, O. Clutch - Optional S=3,0, (Axle S/N 791632 & After)
26	1319501	4	Disc, O. Clutch - Optional S=2,5, (Before Axle S/N 791632)
	70020486	4	Disc, O. Clutch - Optional S=2,5, (Axle S/N 791632 & After)
	1319502	4	Disc, O. Clutch - Optional S=3,0, (Before Axle S/N 791632)
	70020487	4	Disc, O. Clutch - Optional S=3,0, (Axle S/N 791632 & After)
	1319500	4	Disc, O. Clutch - Optional S=2,0, (Before Axle S/N 791632)
	70020485	4	Disc, O. Clutch - Optional S=2,0, (Axle S/N 791632 & After)
27	1321150	6	Disc, I. Clutch, (Before Axle S/N 824742)
	70020409	6	Disc, I. Clutch, (Axle S/N 824742 & After)

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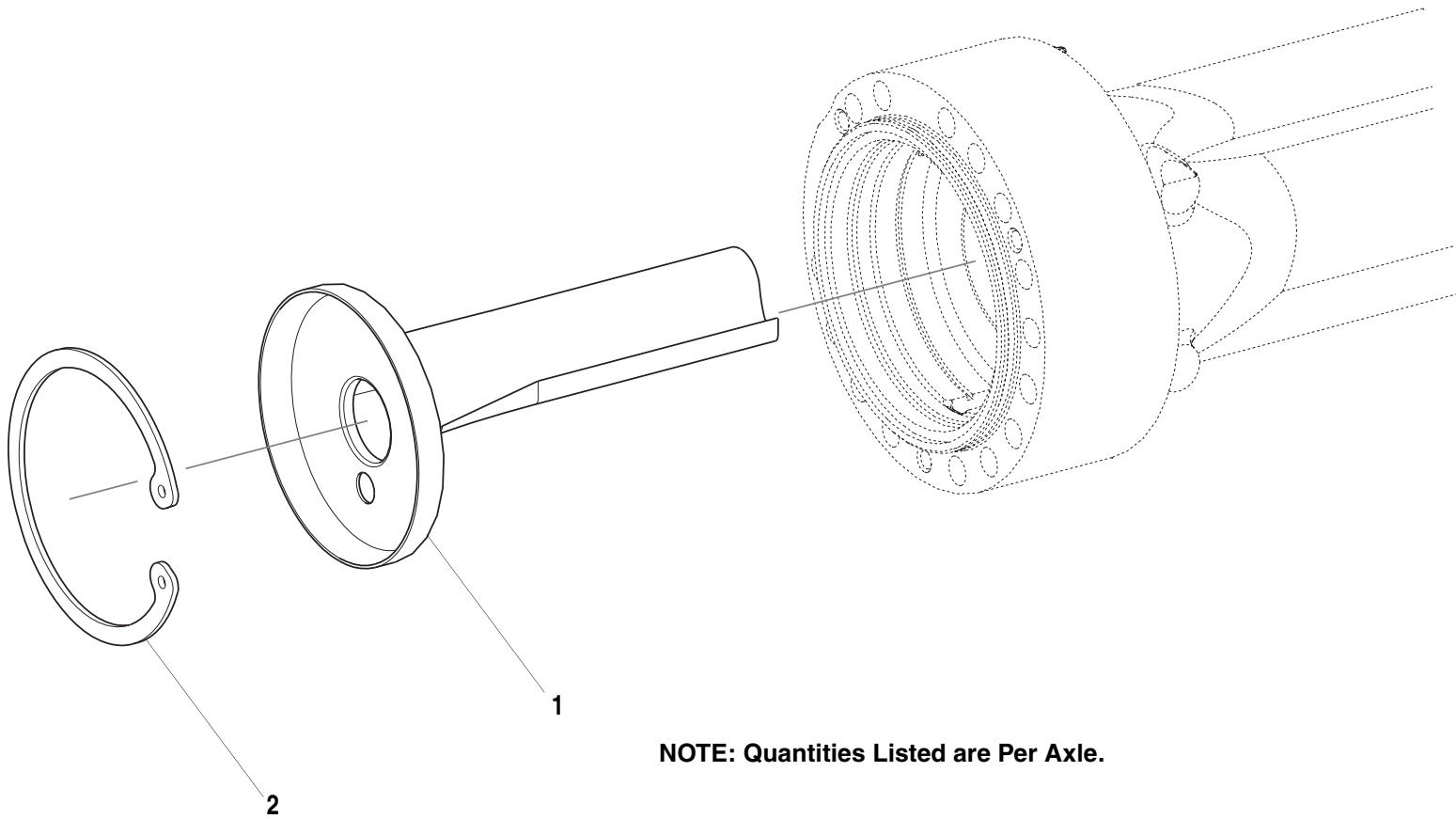
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Tier 1
Tier 2

REAR AXLE - M-DISC BRAKE (2 OF 2)

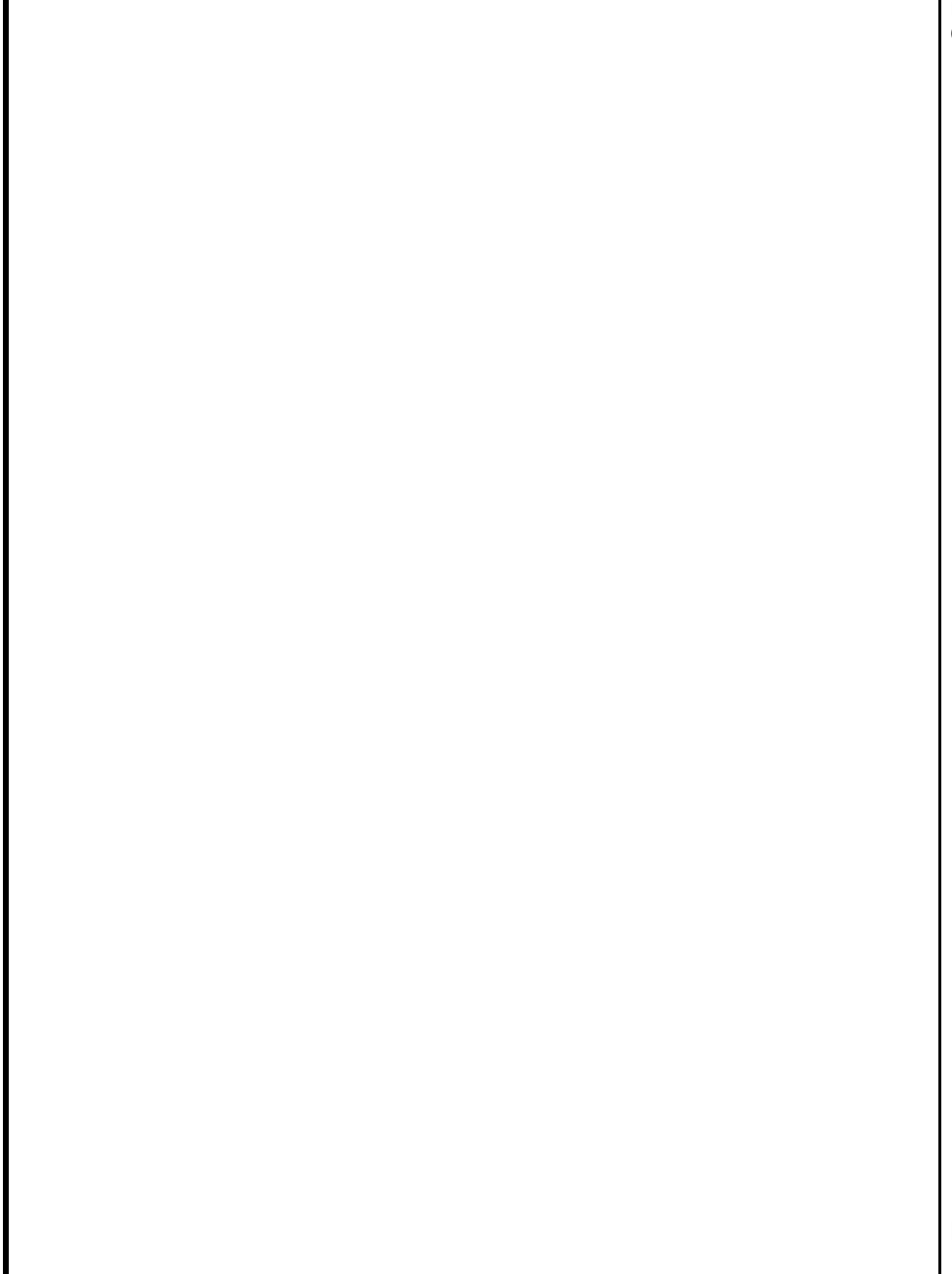
1.13.1



NOTE: Quantities Listed are Per Axle.

ITEM PART NO. QTY. DESCRIPTION

1	1321172	2	Oil Dam
2	1321178	2	Ring, Retaining

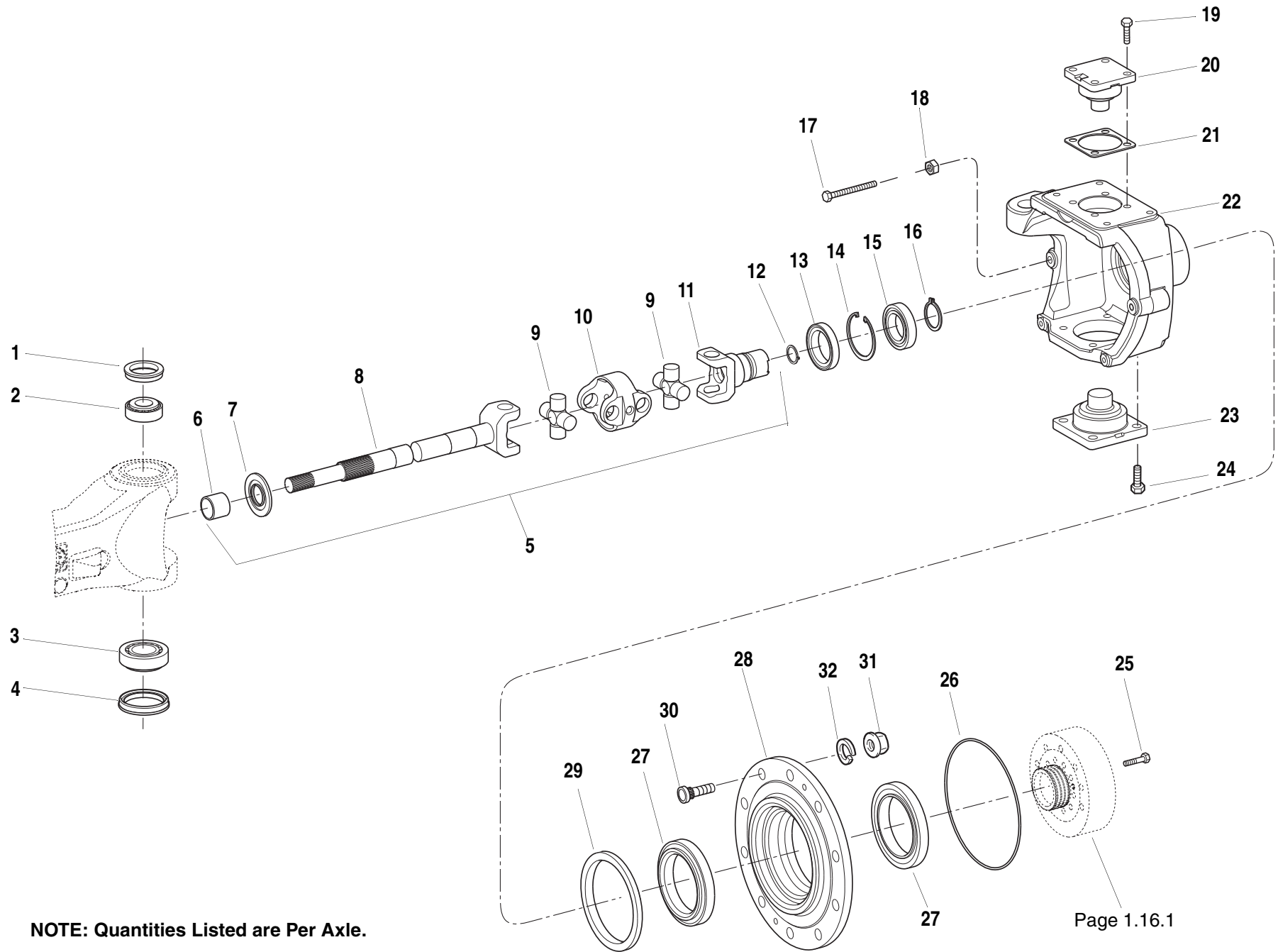


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Tier 1
Tier 2

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NOTE: Quantities Listed are Per Axle.

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ITEM	PART NO.	QTY.	DESCRIPTION
1	8036338	2	Ring, Multi Seal
2	1319444	2	Bearing, Roller
3	1319445	2	Bearing, Roller
4	1319447	2	Seal, Shaft
5	7028979	2	Shaft, D. Universal Coupling, (not maintenance free), (Before Axle S/N 720125), (Includes Items 6 thru 11)
	70022052	2	Shaft, D. Universal Coupling, (maintenance free), (Axle S/N 720125 & After),(Includes Items 6 thru 11)
6	8035973	1	Bushing
7	8035996	1	Sheet, Screen
8	8035995	1	Fork, Joint Coupling
9	8035993	2	Cross, Joint, (Before Axle S/N 720125)
	70021554	2	Cross, Joint, (Axle S/N 720125 & After)
10	8035992	1	Central Piece, (Before Axle S/N 720125)
	70021553	1	Central Piece, (Axle S/N 720125 & After)
11	8035994	1	Fork, Joint
12	1321226	2	Ring, Retaining
13	7028977	2	Seal, Shaft
14	1319210	2	Ring, Retaining
15	1321157	2	Bearing, Ball
16	80304405	2	Ring, Retaining
17	1319476	2	Screw, Stop
18	1319477	2	Nut, Hex
19	1319463	8	Screw, Hex
20	1319461	2	Pin, Bearing
21	1319448	A/R	Shim, Optional S=0,2
	1319449	A/R	Shim, Optional S=0,3
	1319450	A/R	Shim, Optional S=0,4
	1319451	A/R	Shim, Optional S=0,6
	1319452	A/R	Shim, Optional S=0,8
	1319453	A/R	Shim, Optional S=1,0
	1319454	A/R	Shim, Optional S=1,2
	1319455	A/R	Shim, Optional S=1,4
	1319456	A/R	Shim, Optional S=1,6
	1319457	A/R	Shim, Optional S=1,8

ITEM	PART NO.	QTY.	DESCRIPTION
	1319458	A/R	Shim, Optional S=2,0
	1319459	A/R	Shim, Optional S=0,7
	1319460	A/R	Shim, Optional S=0,5
22	8036743	1	Housing, Joint - Left Side
	8036742	1	Housing, Joint - Right Side
23	1319462	2	Pin, Bearing
24	1319464	8	Screw, Hex
25	8035997	16	Screw, Hex
26	1321155	2	O-Ring
27	1319472	4	Bearing, Roller
28	1321239	2	Hub
29	80304173	2	Seal, Shaft
30	1101056	20	Bolt, Wheel
31	8786570	20	Nut, Sph. Collar (Lug Nut)
32	8786571	20	Washer, Spring

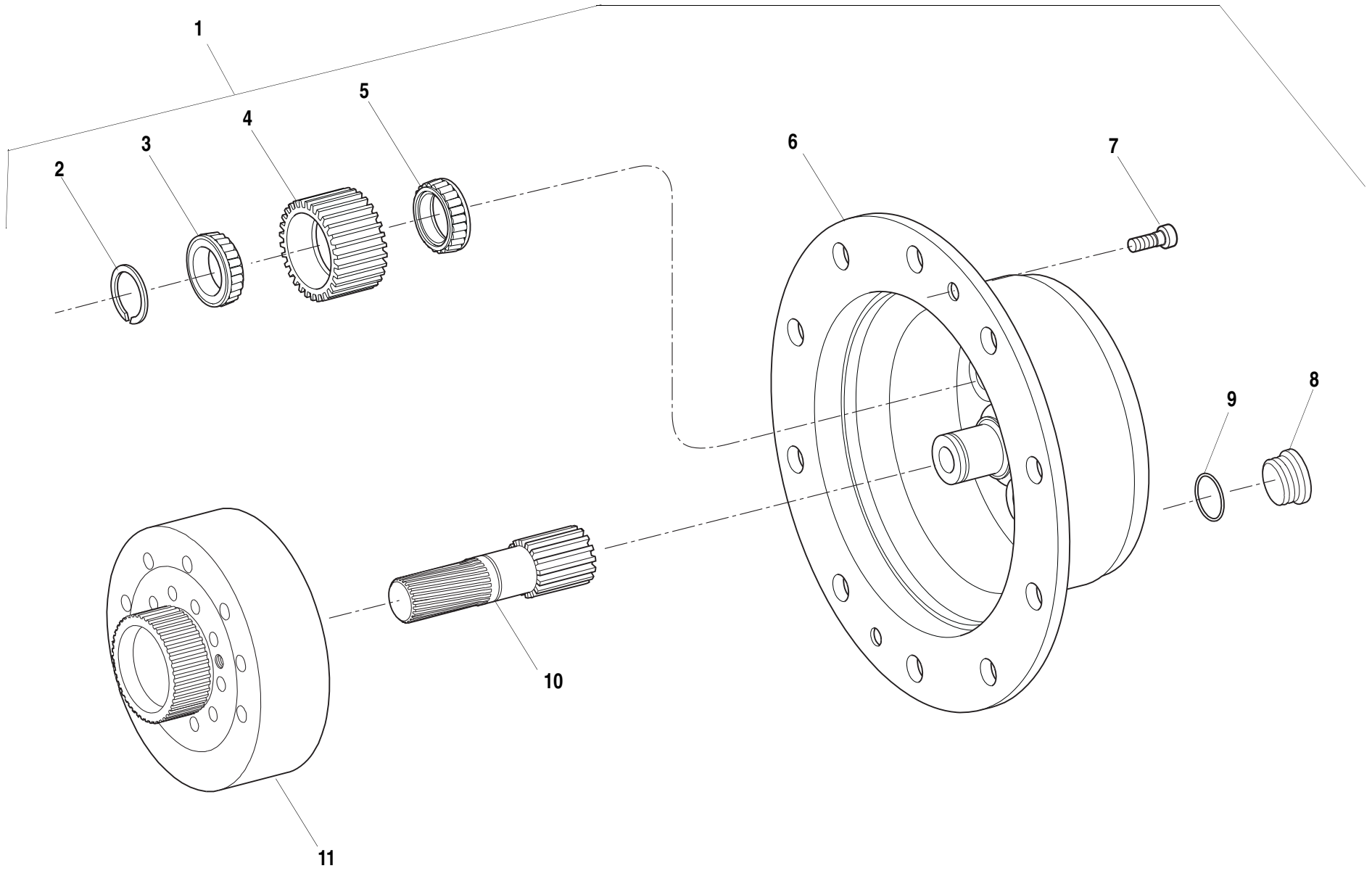
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REAR AXLE - JOINT HOUSING 1.15.1

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Tier 1
Tier 2



NOTE: Quantities Listed are Per Axle.

ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Planetary Drive Assembly (Includes Items 2 thru 11)
2	1319485	4	Ring, Snap, (Before Axle S/N 1723600)
	70022197	4	Ring, Retaining, (Axle S/N 1723600 & After)
3	1319484	4	Ring, Bearing Inner, (Before Axle S/N 1723600)
4	1321231	4	Gear, Planet, (Before Axle S/N 1723600)
	70022243	4	Gear, Planet, (Axle S/N 1723600 & After)
5	1319483	4	Ring, Tapered Bearing Inner, (Before Axle S/N 1723600)
	70022785	4	Cylindrical Roller Bearing, (Axle S/N 1723600 & After)
6	8036414	2	Carrier, Planet, (Before Axle S/N 1723600)
	70023262	2	Carrier, Planet, (Axle S/N 1723600 & After)
7	8035977	4	Screw, Cap
8	1319506	2	Plug, Screw
9	8036331	2	O-Ring
10	1321242	2	Shaft, Sun Gear
11	1321247	2	Gear, Ring

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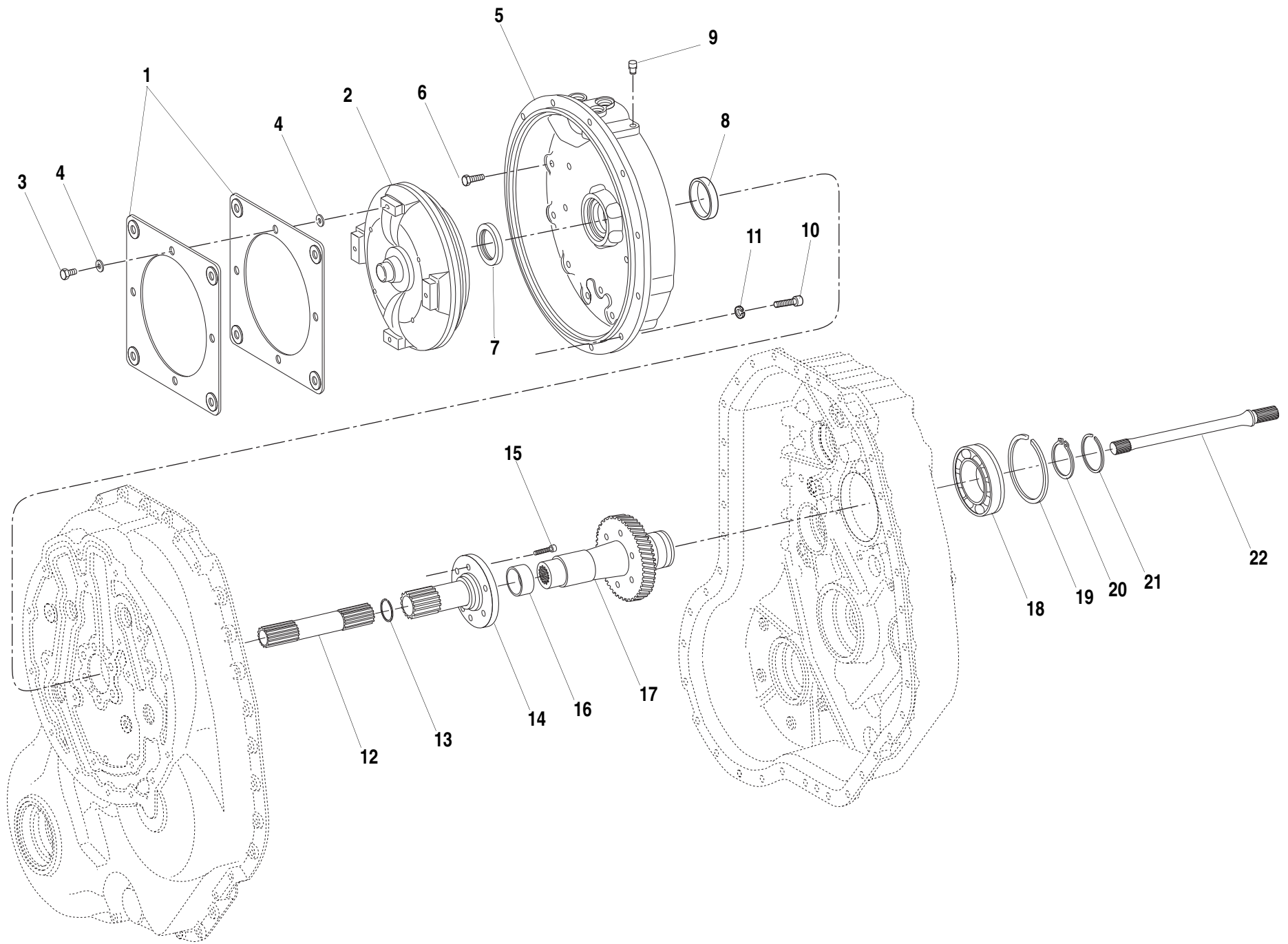
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Tier 1
Tier 2

REAR AXLE - PLANETARY DRIVE

1.16.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319229	2	Diaphragm
2	1319258	1	Converter
3	7026744	4	HHCS, M10 x 16mm
4	7026745	8	Washer, Thrust 1,00
5	1319574	1	Bell, Converter
6	1319569	23	HHCS, M10 x 30mm
7	1319576	1	Seal, Shaft
8	1319575	1	Bushing, Bearing
9	10731744	1	Breather
10	8303769	12	HHCS, M10-1,5 x 45mm
11	8307023	12	Washer, Lock M10
12	1319236	1	Shaft, Turbine
13	10731732	1	Ring, Snap 30
14	1319557	1	Shaft, Stator
15	1319577	6	SHCS, M10 x 50mm
16	1319558	1	Bushing, Bearing
17	1319559	1	Shaft, Input
18	1319563	1	Bearing, Ball
19	10731913	1	Ring, Snap 100
20	80304405	1	Ring, Retaining 55 x 2,00
21	7026749	1	Ring, Piston 55 x 3,00
22	1319566	1	Shaft, Central

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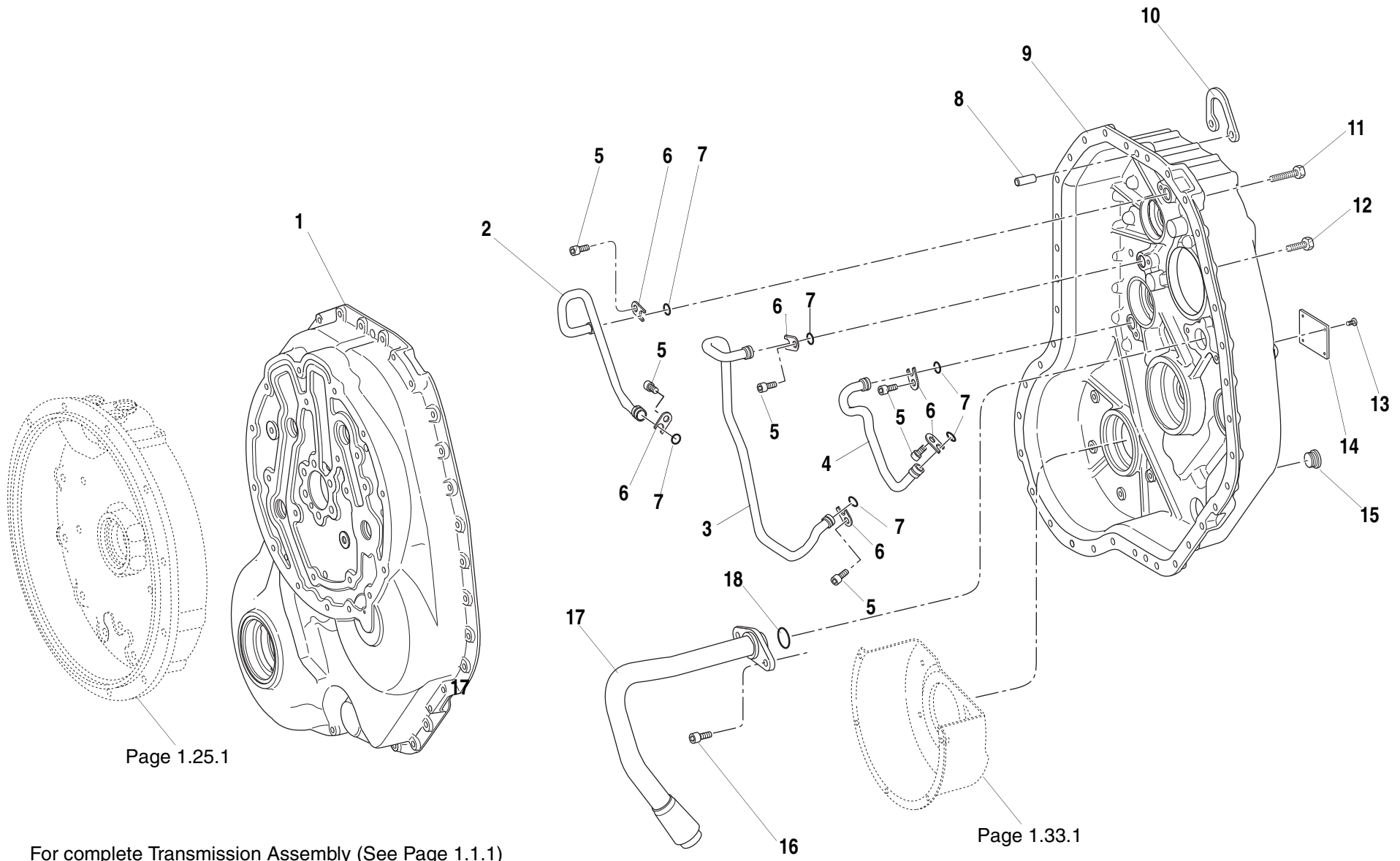
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Tier 1
Tier 2

ENGINE CONNECTION & INPUT SHAFTS

1.25.1



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For complete Transmission Assembly (See Page 1.1.1)

ITEM PART NO. QTY. DESCRIPTION

1	1319567	1	Housing I
2	1319586	1	Pipe
3	1319587	1	Pipe
4	1319588	1	Pipe
5	1319585	11	SHCS, M8 x 16mm
6	1319584	6	Plate, Fixing
7	1319583	6	O-Ring, 14 x 2,00
8	1319571	2	Pin, Cylindrical M6 x 24
9	1319568	1	Housing II
10	1319590	1	Bracket
11	1319570	6	HHCS, M10 x 50mm
12	1319569	30	HHCS, M10 x 30mm
13	1319573	4	Stud, Grooved 3 x 5,00
14	1319572	1	Plate, Type
15	1319578	1	Plug, Drain 7/8-14
16	1319582	2	SHCS, M8 x 20mm
17	1319580	1	Pipe, Oil Suction
18	1319581	1	O-Ring, 30 x 3,00
19	1319576	1	Seal, Shaft

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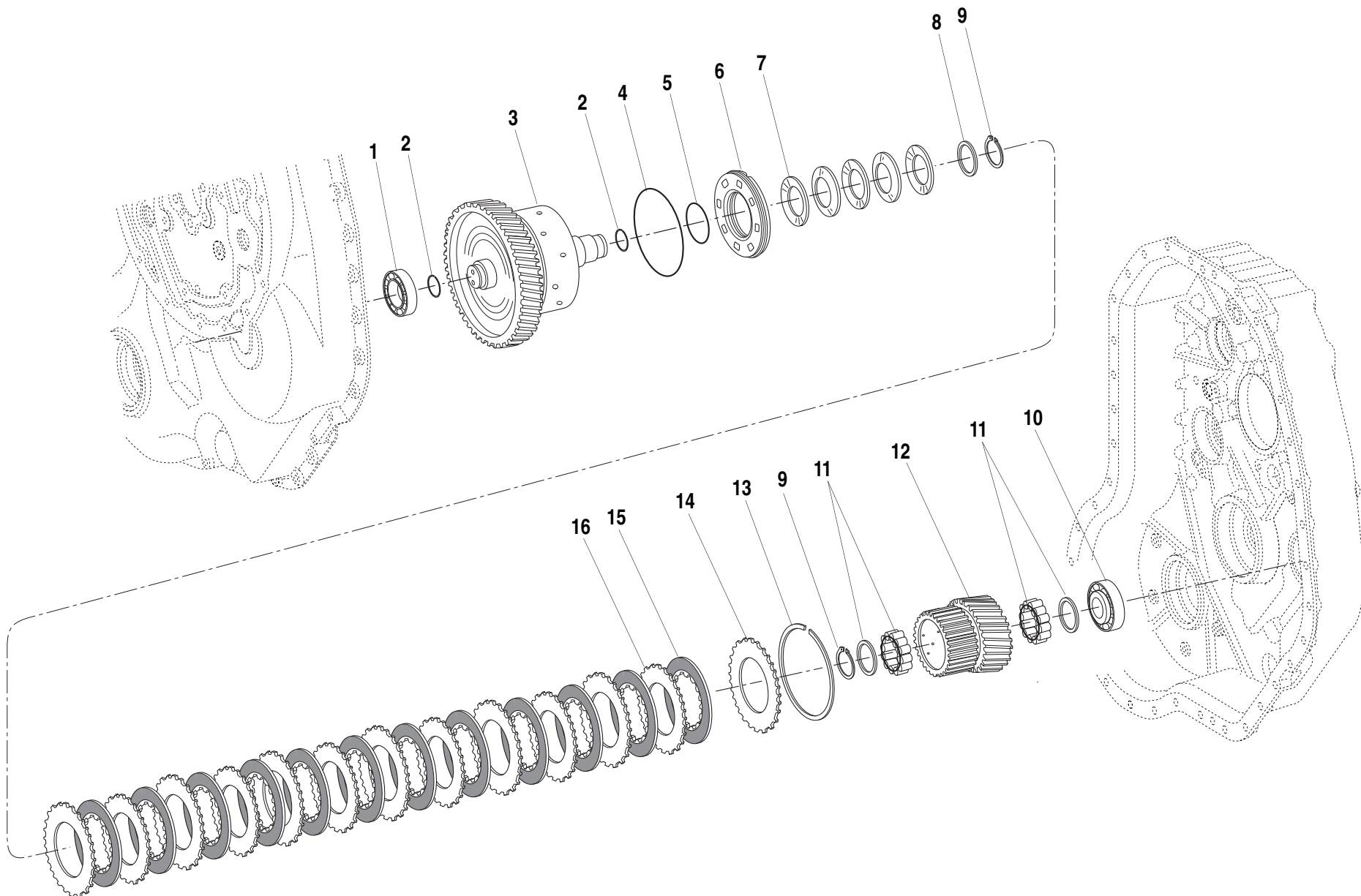
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MMV

Tier 1
Tier 2

GEARBOX HOUSING

1.26.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319608	1	Bearing, Roller
2	1319612	1	Ring, Piston 30 x 2,00
3	1319591	1	Coupling
4	1319594	1	O-Ring, 115 x 3,00
5	1319593	1	O-Ring, 52 x 3,00
6	8036575	1	Piston
7	1319595	5	Spring, Cup
8	1319596	1	Shim, 2,00
9	10731845	2	Ring, Retaining 40 x 1,75
10	8036190	1	Bearing, Roller
11	1319605	2	Cage, Roller
12	1319607	1	Carrier, Disc
13	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
14	1319599	1	Shim, End
15	1319597	12	Disc, Lin. Clutch
16	1319598	12	Disc, O. Clutch

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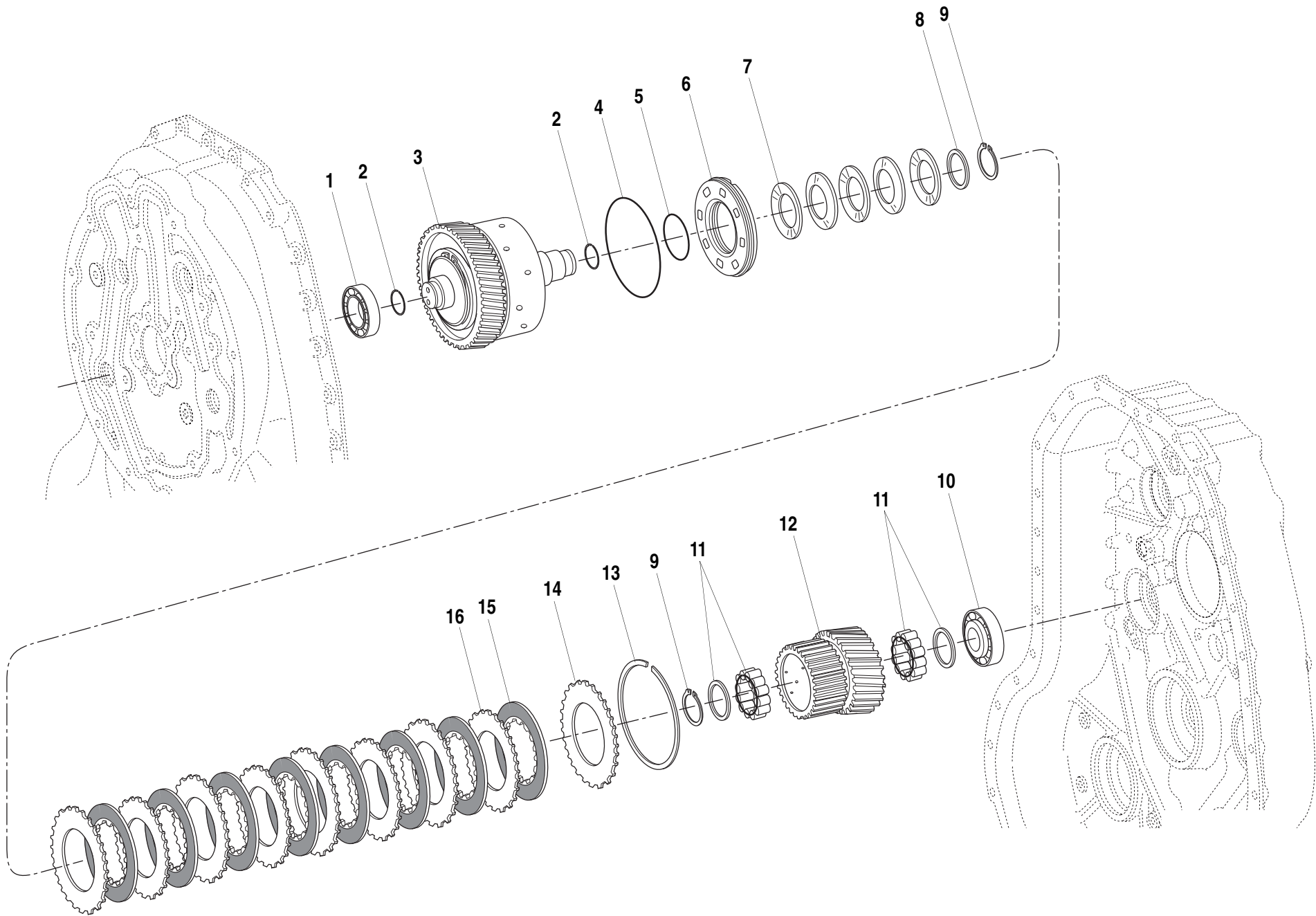
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MMV

Tier 1
Tier 2

COUPLING GROUP 1

1.27.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319615	1	Bearing, Roller
2	1319612	2	Ring, Piston 30 x 2,00
3	1319613	1	Coupling
4	1319594	1	O-Ring 115 x 3,00
5	1319593	1	O-Ring 52 x 3,00
6	8036575	1	Piston
7	1319595	5	Spring, Cup
8	1319596	1	Shim, 2,00
9	10731845	2	Ring, Retaining 40 x 1,75
10	8036190	1	Bearing, Roller
11	1319605	2	Cage, Roller
12	1319614	1	Carrier, Disc
13	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
14	1319599	1	Shim. End
15	1319597	8	Disc, Lin. Clutch
16	1319598	8	Disc, O. Clutch

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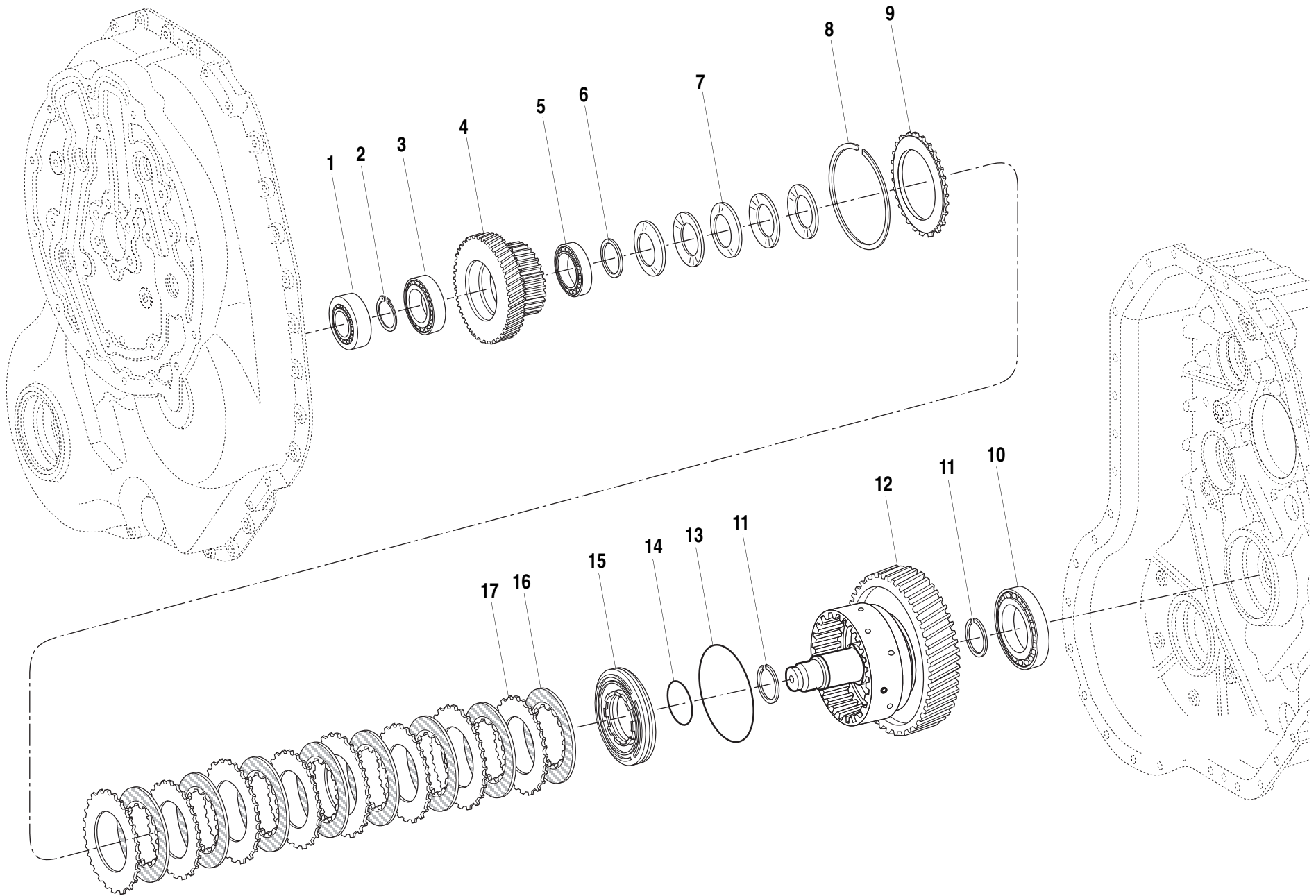
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MMV

Tier 1
Tier 2

COUPLING GROUP 2

1.28.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319605	1	Bearing, Roller
2	1319621	1	Ring, Retaining 3,20
	1319622	1	Ring, Retaining 3,10
	1319623	1	Ring, Retaining 3,00
	1319624	1	Ring, Retaining 2,90
	1319625	1	Ring, Retaining 2,80
	1319626	1	Ring, Retaining 2,70
	1319627	1	Ring, Retaining 2,60
	1319628	1	Ring, Retaining 38 x 2,50
	1319629	1	Ring, Retaining 38 x 2,40
	1319630	1	Ring, Retaining 38 x 2,30
	1319631	1	Ring, Retaining 38 x 2,20
	1319632	1	Ring, Retaining 38 x 2,10
3	1319620	1	Bearing, Roller
4	1319619	1	Carrier, Disc
5	1319618	1	Bearing, Roller
6	1319617	1	Shim, Support
7	1319595	5	Spring, Cup
8	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
9	1319599	1	Shim, End
10	1319633	1	Bearing, Roller
11	1319612	2	Ring, Piston 30 x 2,00
12	1319616	1	Coupling
13	1319594	1	O-Ring, 115 x 3,00
14	1319593	1	O-Ring, 52 x 3,00
15	8036575	1	Piston
16	1319597	8	Disc, Lin. Clutch
17	1319598	8	Disc, O. Clutch

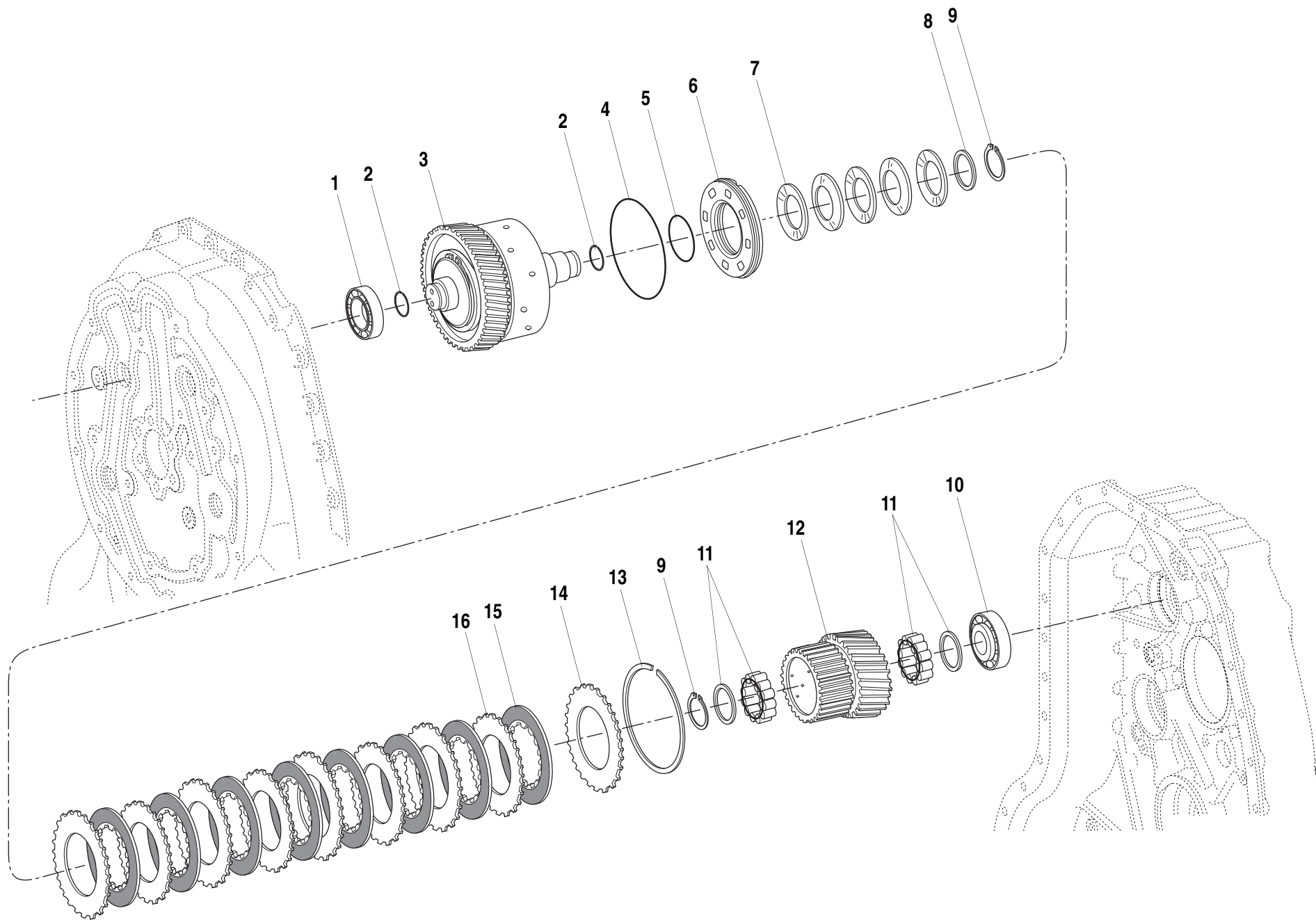
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Tier 1
Tier 2

COUPLING GROUP 3

1.29.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319615	1	Bearing, Roller
2	1319612	2	Ring, Piston 30 x 2,00
3	1319634	1	Coupling
4	1319594	1	O-Ring 115 x 3,00
5	1319593	1	O-Ring 52 x 3,00
6	8036575	1	Piston
7	1319595	5	Spring, Cup
8	1319596	1	Shim, 2,00
9	10731845	2	Ring, Retaining 40 x 1,75
10	1319636	1	Bearing, Roller
11	1319605	1	Cage, Roller
12	1319635	1	Carrier, Disc
13	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
14	1319599	1	Shim. End
15	1319597	8	Disc, Lin. Clutch
16	1319598	8	Disc, O. Clutch

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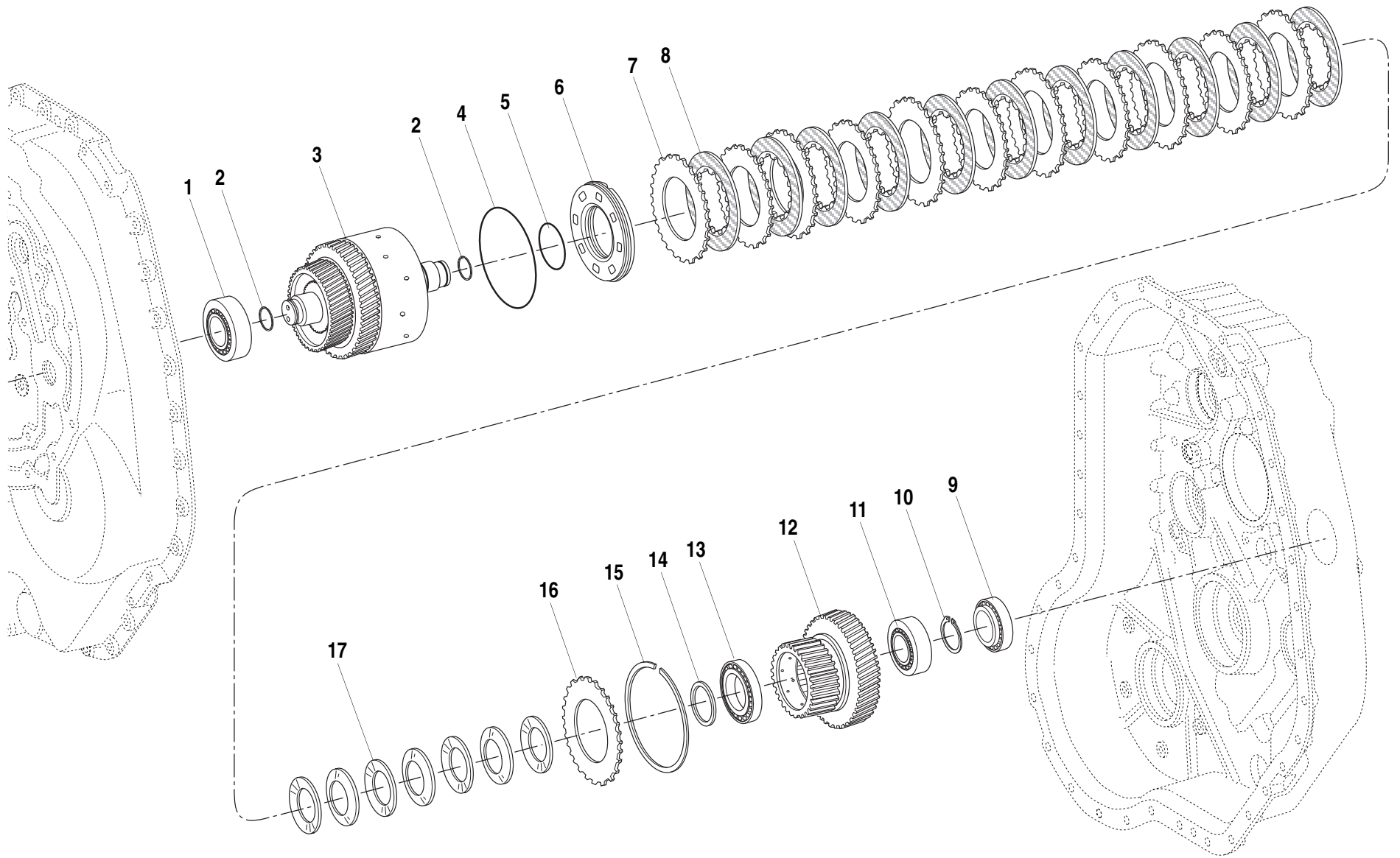
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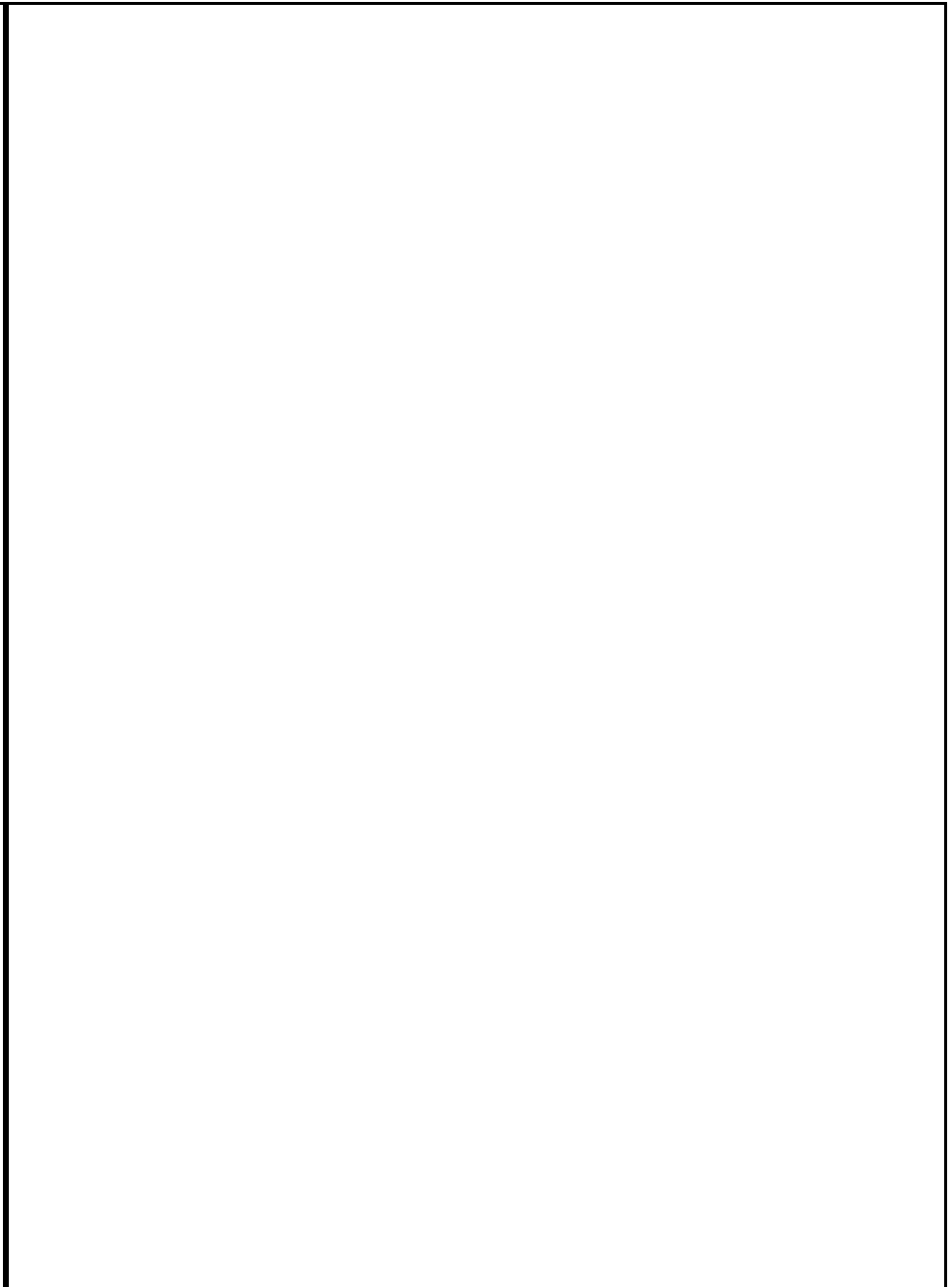
Tier 1
Tier 2

COUPLING GROUP 4

1.30.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319615	1	Bearing, Roller
2	1319612	1	Ring, Piston 30 x 2,00
3	1319637	1	Coupling
4	1319594	1	O-Ring 115 x 3,00
5	1319593	1	O-Ring 52 x 3,00
6	8036575	1	Piston
7	1319597	11	Disc, Lin. Clutch
8	1319598	11	Disc, O. Clutch
9	1319636	1	Bearing, Roller
10	1319621	1	Ring, Retaining 3,20
	1319622	1	Ring, Retaining 3,10
	1319623	1	Ring, Retaining 3,00
	1319624	1	Ring, Retaining 2,90
	1319625	1	Ring, Retaining 2,80
	1319626	1	Ring, Retaining 2,70
	1319627	1	Ring, Retaining 2,60
	1319628	1	Ring, Retaining 2,50
	1319629	1	Ring, Retaining 2,40
	1319630	1	Ring, Retaining 2,30
	1319631	1	Ring, Retaining 2,20
	1319632	1	Ring, Retaining 2,10
11	1319620	1	Bearing, Roller
12	1319638	1	Carrier, Disc
13	1319618	1	Bearing, Roller
14	1319617	1	Shim, Support
15	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
16	1319599	1	Shim, End
17	1319595	7	Spring, Cup



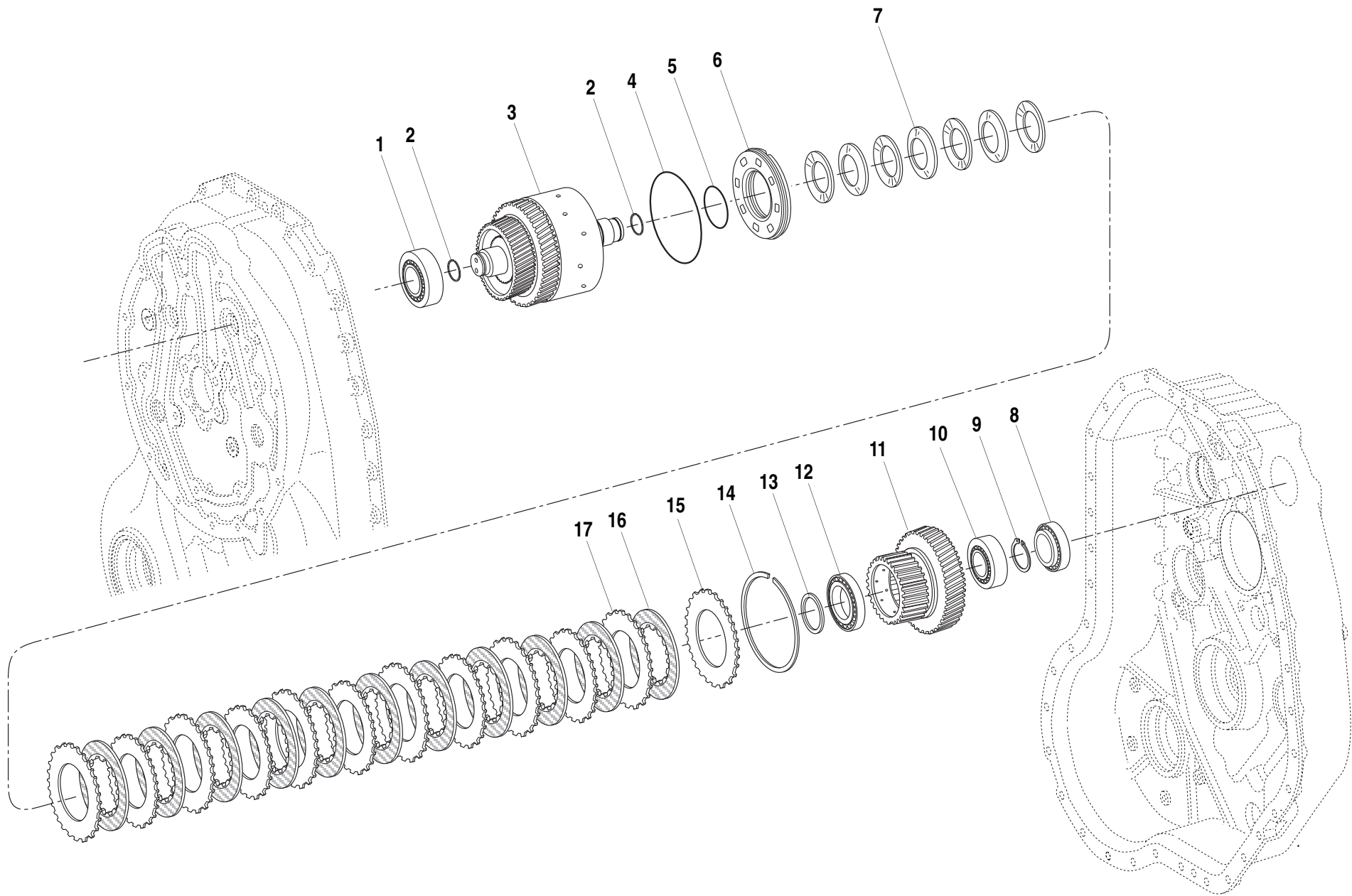
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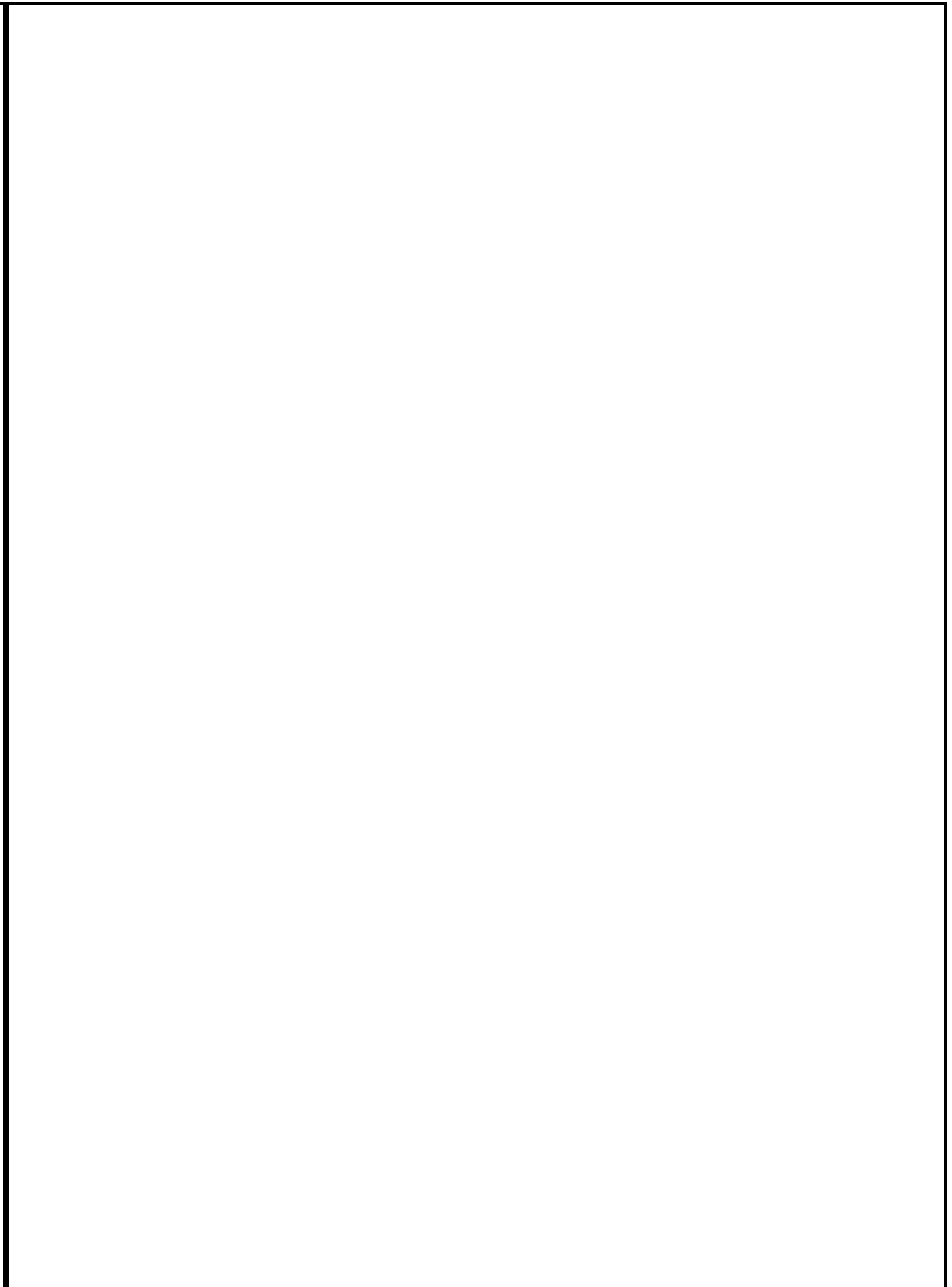
Tier 1
Tier 2

REVERSING GEAR GROUP 1

1.31.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319608	1	Bearing, Roller
2	1319612	1	Ring, Piston 30 x 2,00
3	1319639	1	Coupling
4	1319594	1	O-Ring 115 x 3,00
5	1319593	1	O-Ring 52 x 3,00
6	8036575	1	Piston
7	1319595	7	Spring, Cup
8	1319636	1	Bearing, Roller
9	1319621	1	Ring, Retaining 3,20
	1319622	1	Ring, Retaining 3,10
	1319623	1	Ring, Retaining 3,00
	1319624	1	Ring, Retaining 2,90
	1319625	1	Ring, Retaining 2,80
	1319626	1	Ring, Retaining 2,70
	1319627	1	Ring, Retaining 2,60
	1319628	1	Ring, Retaining 2,50
	1319629	1	Ring, Retaining 2,40
	1319630	1	Ring, Retaining 2,30
10	1319631	1	Ring, Retaining 2,20
	1319632	1	Ring, Retaining 2,10
	1319620	1	Bearing, Roller
	1319638	1	Carrier, Disc
12	1319618	1	Bearing, Roller
13	1319617	1	Shim, Support
14	1319600	1	Ring, Snap 4,00
	1319601	1	Ring, Snap 3,50
	1319602	1	Ring, Snap 3,00
	1319603	1	Ring, Snap 2,50
	1319604	1	Ring, Snap 2,00
15	1319599	1	Shim, End
16	1319597	11	Disc, Lin. Clutch
17	1319598	11	Disc, O. Clutch



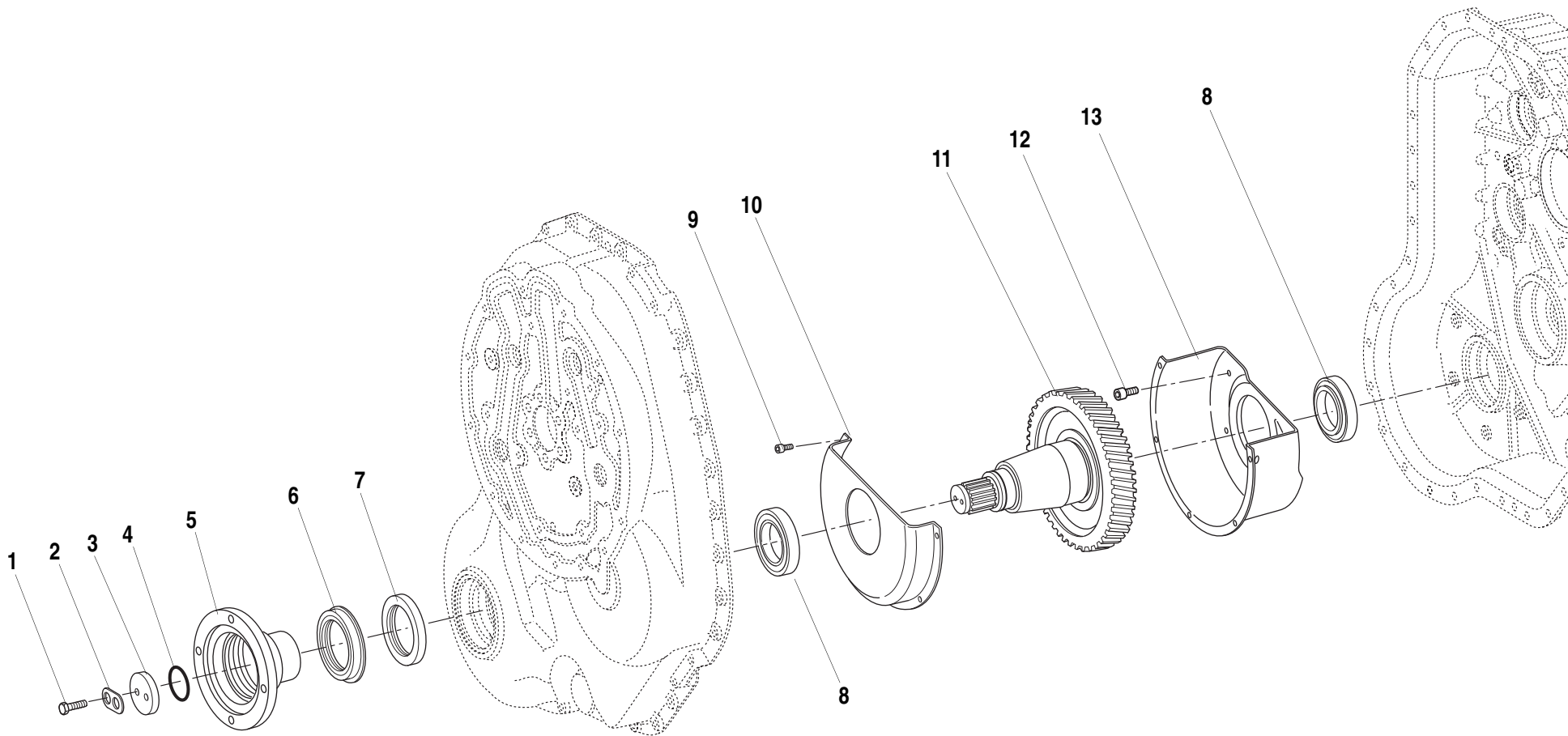
S/N MV006 –

MMV

Tier 1
Tier 2

REVERSING GEAR GROUP 2

1.32.1



ITEM PART NO. QTY. DESCRIPTION

1	10731959	2	HHCS, M8 x 25mm
2	1319649	1	Washer, Tab
3	1319648	1	Washer, 10,00
4	10839156	1	O-ring 38 x 4.00
5	8036441	1	Flange, Flat Face
6	1319647	1	Screen, Sheet
7	1319641	1	Seal, Shaft
8	1319644	2	Bearing, Roller
9	1319646	5	HHCS, M6 x 10mm
10	1319645	1	Sheet, Screen
11	1319640	1	Shaft
12	1319585	10	SHCS. M6 x 16mm
13	1319589	1	Sheet, Screen

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6/03

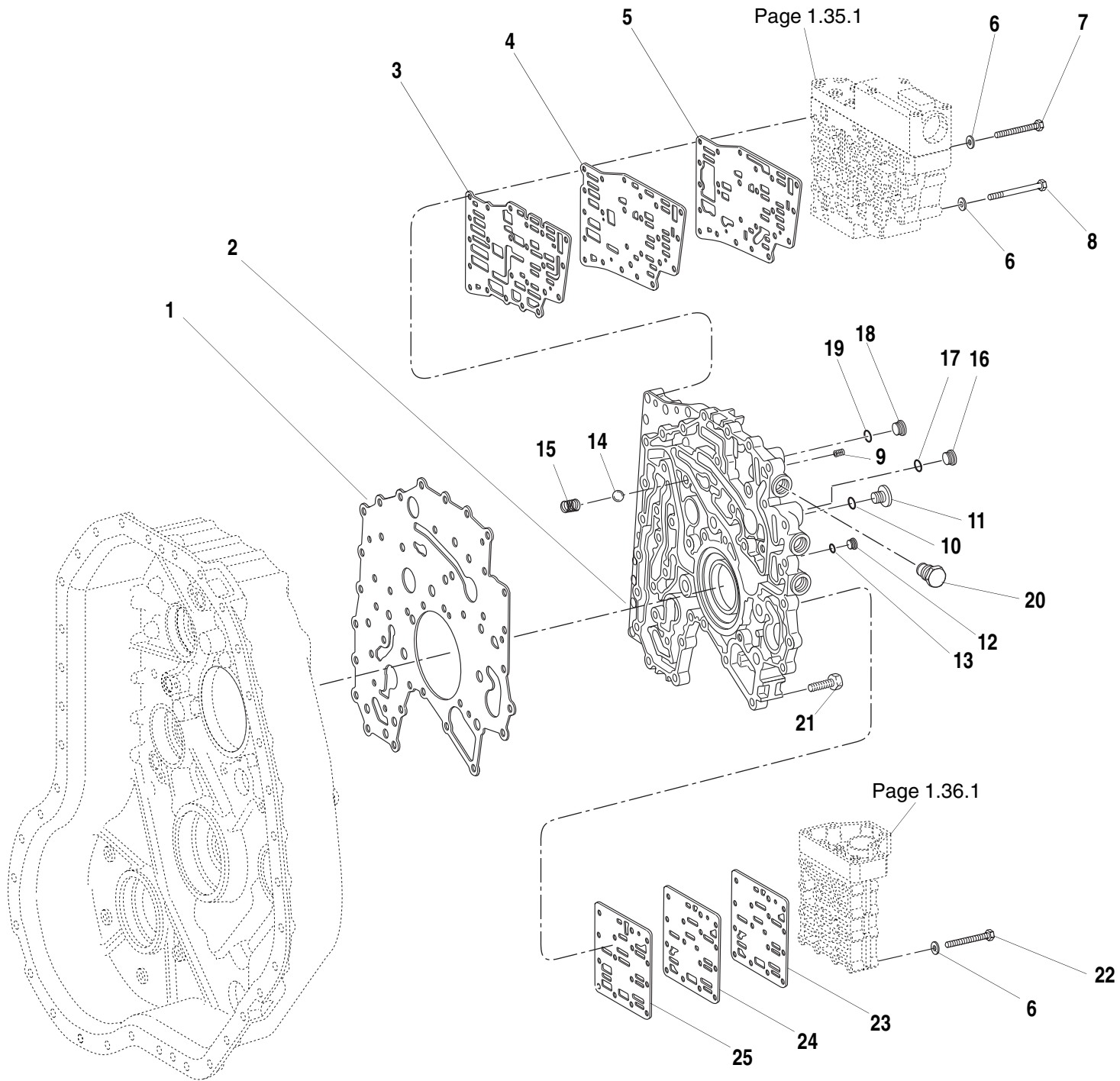
S/N MV006 –

MMV

Tier 1
Tier 2

OUTPUT

1.33.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319650	1	Gasket
2	1319651	1	Plate, Duct
3	1319653	1	Gasket
4	1319654	1	Interm, Sheet
5	1319655	1	Gasket
6	1319661	38	Washer 6,4
7	1319660	4	HHCS, M6 x 75mm
8	1319662	19	HHCS, M6 x 65mm
9	1319652	1	Orifice
10	1319665	1	O-Ring, 10,52 x 1,83
11	1319664	1	Plug, Screw 1/2"-20 UNF
12	1319670	1	Plug, Screw M10 x 1mm
13	10731709	1	O-Ring, 8 x 1,5
14	10732071	1	Ball
15	10732072	1	Spring, Compression
16	1319668	1	Plug, Screw 3/4"-16 UNF, (includes item 17)
17		1	O-Ring, 16,36 x 2,21
18	1319666	1	Plug, Screw 9/16"-18 UNF
19	1319667	1	O-Ring 11,89 x 1,98
20	1319663	3	Plug
21	1319659	43	Screw, Torx M8 x 30
22	1319494	15	HHCS, M6 x 55mm
23	1319658	1	Gasket
24	1319657	1	Interm, Sheet
25	7029721	1	Gasket

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11/09

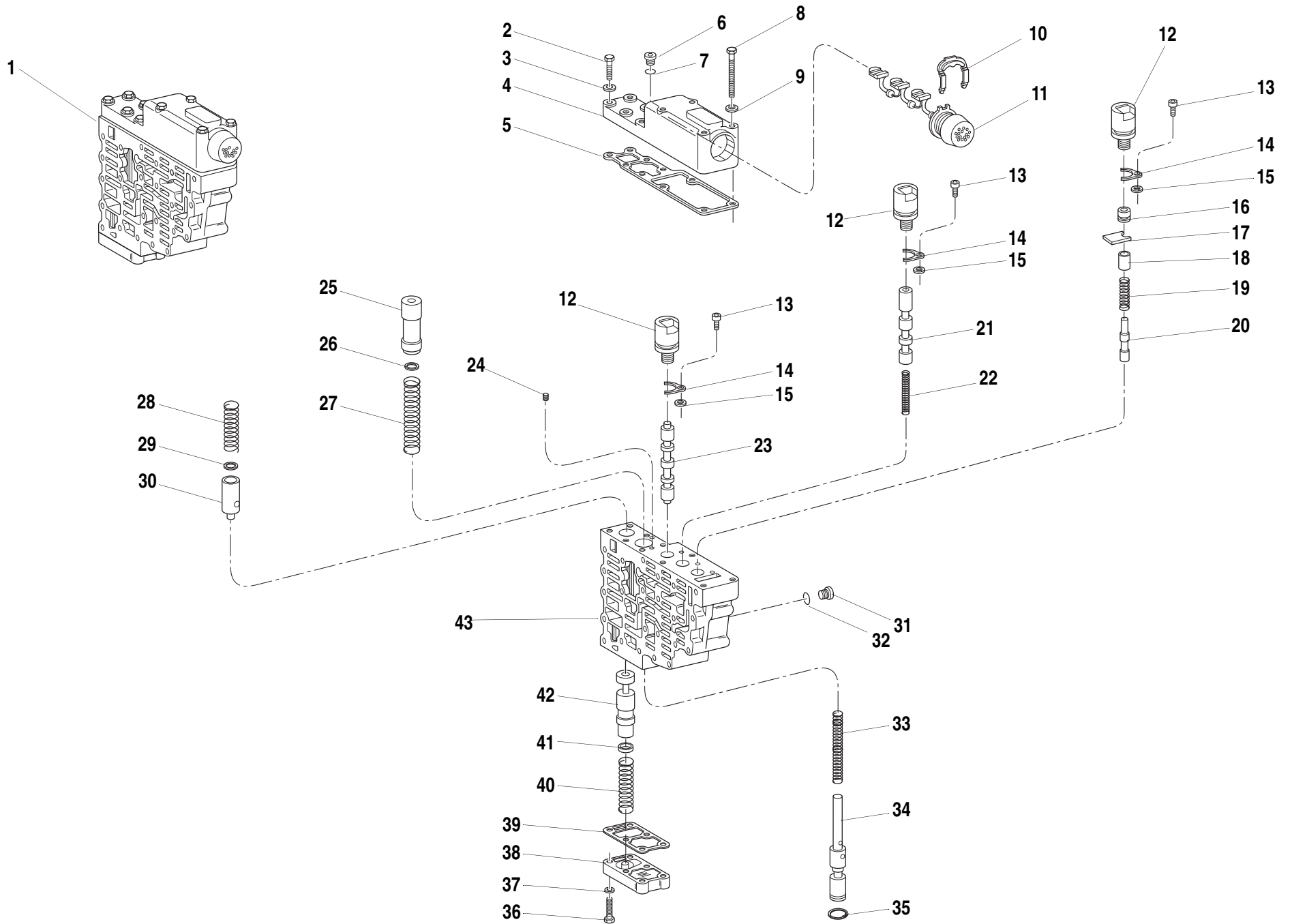
S/N MV006 –

MMV

Tier 1
Tier 2

CONTROL UNIT

1.34.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319716	1	Valve Housing Assembly - Complete (Includes Items 2 thru 43)
2	1319693	6	HHCS, M6 x 25mm
3	1319661	6	Washer, 6,4
4	1319706	1	Cover
5	1319705	1	Gasket
6	1319670	1	Plug, Screw M10 x 1
7	10731709	1	O-Ring, 8 x 1,5
8	1319708	4	HHCS, M6 x 60mm
9	1319661	4	Washer, 6,4
10	1319707	1	Clamp, Retaining
11	1319704	1	Harness, Wiring
12	1319702	3	Valve, Solenoid
13	1319703	3	HHCS, M5 x 12mm
14	10732063	3	Plate, Fixing
15	10732064	3	Washer, 2,00
16	1319700	1	Plug
17	1319701	1	Plate, Fixing
18	1319699	1	Sleeve, Spacer
19	1319698	1	Spring, Compression
20	1319697	1	Piston
21	1319695	1	Piston
22	1319696	1	Spring, Compression
23	1319694	1	Valve
24	1319652	1	Orifice
25	1319690	1	Piston
26	1319685	1	Washer, 2,00
	1319686	1	Washer, 1,00
	1319687	1	Washer, 0,50
	1319688	1	Washer, 0,30
	1319689	1	Washer, 0,20
27	1319683	1	Spring, Compression
28	1319673	1	Spring, Compression
29	10732029	1	Ring, Shim 10 x 16 x 1
30	8036037	1	Piston
31	1319670	1	Plug, Screw M10 x 1

ITEM	PART NO.	QTY.	DESCRIPTION
32	10731709	1	O-Ring, 8 x 1,5
33	1319684	1	Spring, Compression
34	1319681	1	Piston, Control
35	1319682	1	Washer, Lock 12,0
36	1319693	6	HHCS, M6 x 25mm
37	1319661	6	Washer, 6,4
38	1319692	1	Cover
39	1319691	1	Gasket
40	1319680	1	Spring, Compression
41	1319675	1	Ring, Spacer 3,60
	1319676	1	Ring, Spacer 3,20
	1319677	1	Ring, Spacer 2,80
	1319678	1	Ring, Spacer 2,40
	1319679	1	Ring, Spacer 2,00
42	1319674	1	Piston
43	1319671	1	Housing, Valve

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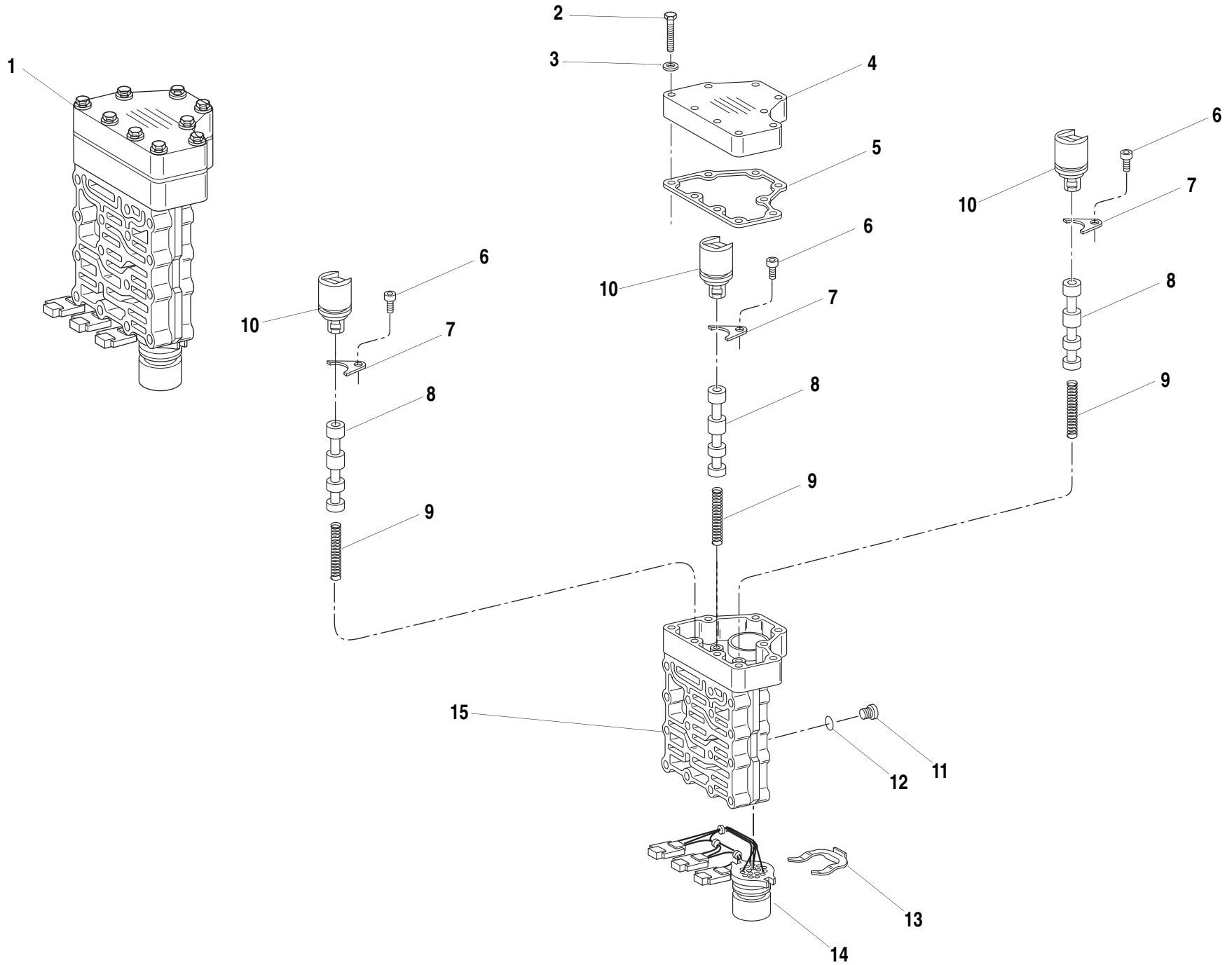
S/N MV006 –

MMV

Tier 1
Tier 2

VALVE HOUSING ASSEMBLY

1.35.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319717	1	Valve Block Assembly - Complete (Includes Items 2 thru 15)
2	1319714	9	HHCS, M5 x 32mm
3	1319715	9	Washer, 5,3
4	1319713	1	Cover
5	1319712	1	Gasket
6	1319703	3	SHCS, M5 x 12mm
7	10732063	3	Plate, Fixing
8	1319710	3	Piston
9	1319696	3	Spring, Compression
10	1319702	3	Valve, Solenoid
11	1319670	3	Plug, Screw M10 x 1
12	10731709	3	O-Ring, 8 x 1,5
13	1319707	1	Clamp, Retaining
14	1319711	1	Harness, Wiring
15	1319709	1	Block, Valve

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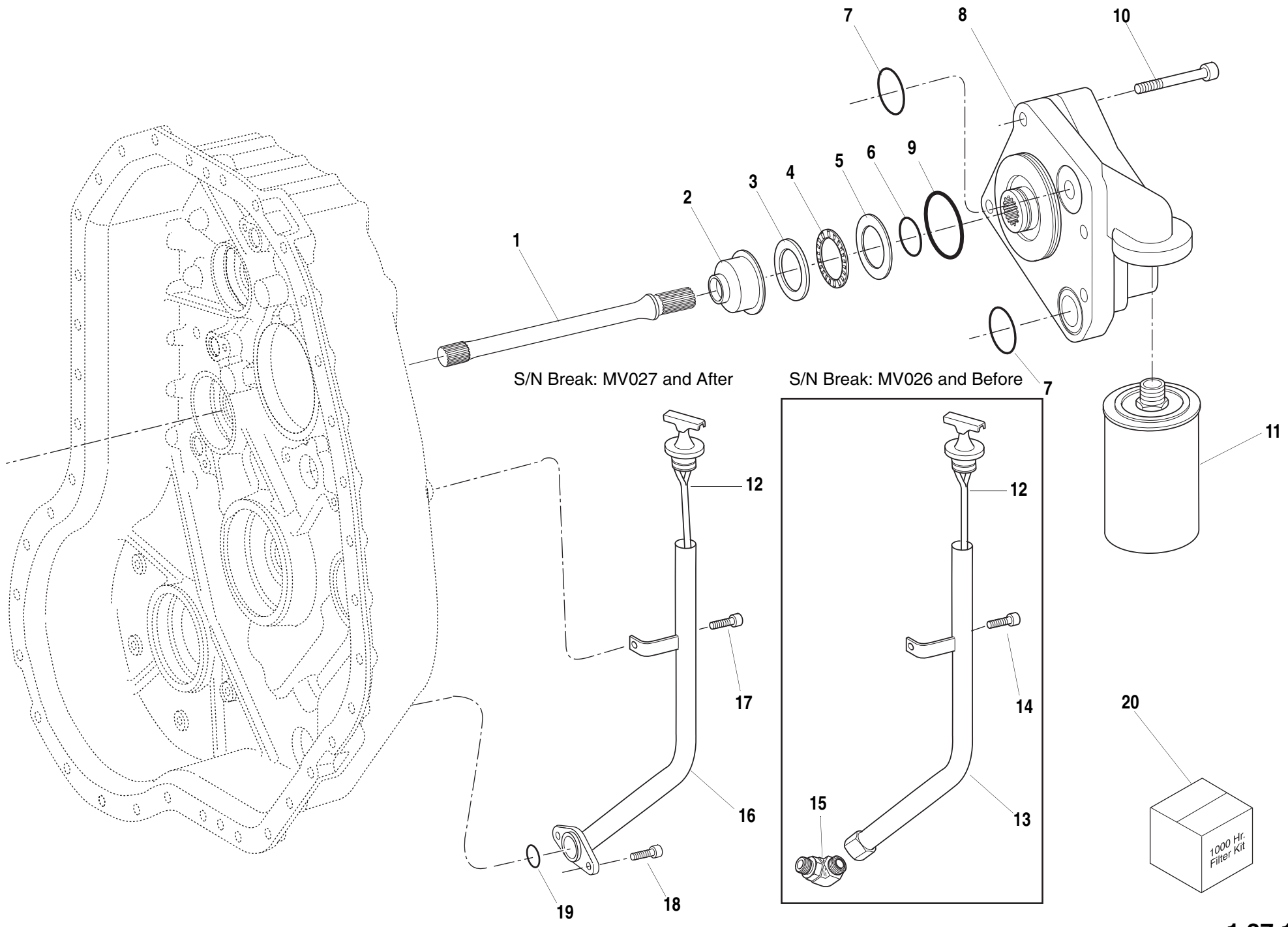
S/N MV006 –

MMV

Tier 1
Tier 2

VALVE BLOCK ASSEMBLY

1.36.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	1319566	1	Shaft, Central
2	1319723	1	Bushing, Spacer
3	1319722	1	Disc, Angle
4	1319721	1	Cage, Axial Needle
5	1319720	1	Washer, Axial 40 x 60 x 1
6	1319724	1	O-Ring, 36 x 2,5
7	1319719	2	O-Ring, 40,95 x 2,62
8	1319718	1	Pump (Includes Item 9)
9	8036250	1	O-Ring
10	1319725	4	HHCS, M12 x 115mm
11	1319726	1	Filter, Transmission
12	8036003	1	Dipstick
13	8036555	1	Tube, Dipstick (S/N Break: MV026 and Before)
14	8036005	1	Screw, Cylindrical
15	8036004	1	Fitting
16	8036002	1	Tube, Dipstick (with flange) (S/N Break: MV027 and After)
17	1319585	1	SHCS, M8 x 16mm
18	1319582	1	SHCS, M8 x 20mm
19	1319581	1	O-Ring
			<u>KITS</u>
20	8024015	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

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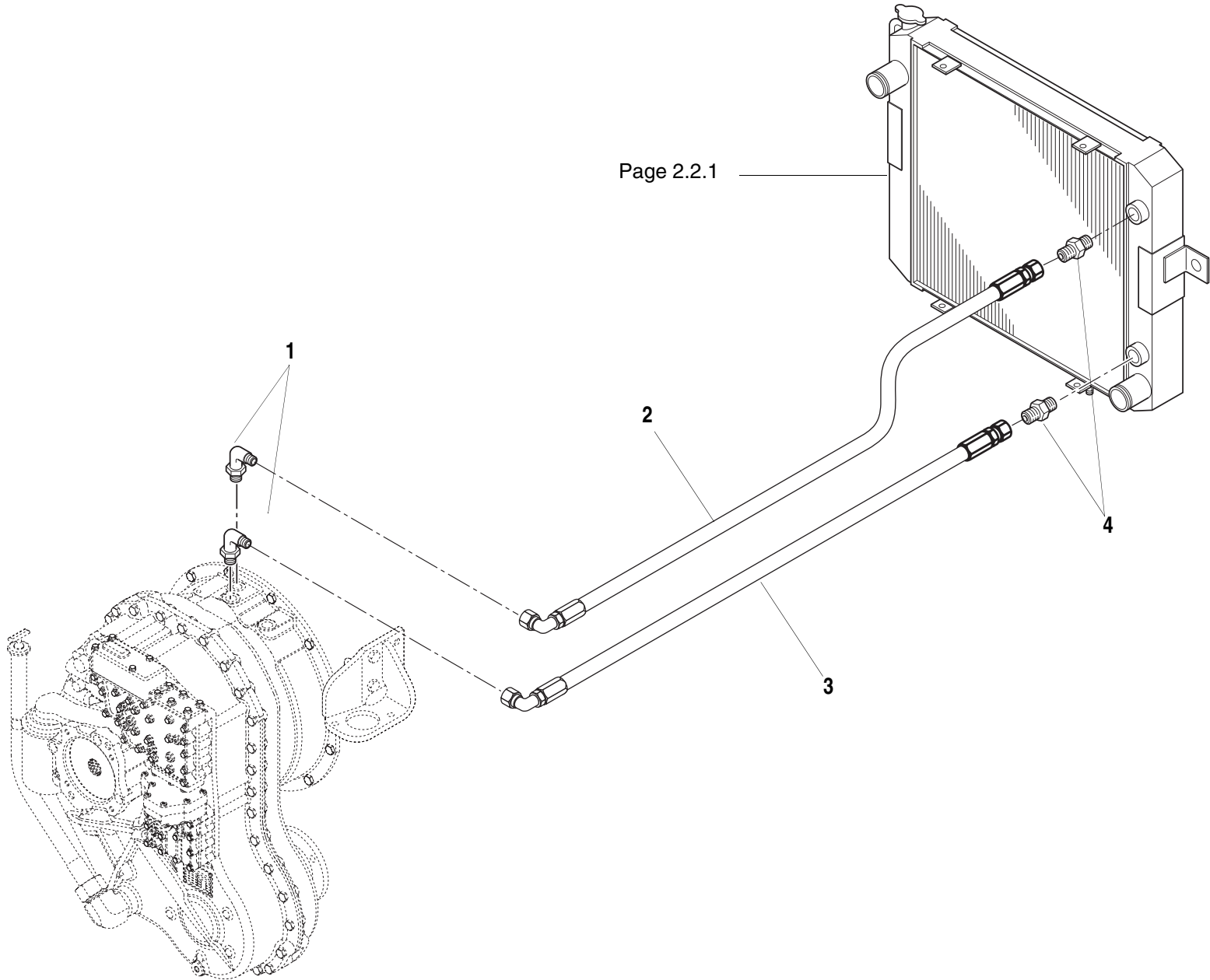
MMV

Tier 1
Tier 2

OIL PUMP AND FILTER

1.37.1

Page 2.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8770160	2	Elbow, 90°, SAE 12-10 - str. thd. ORB x OFS
2	2716519	12	Hose, 3/4 I.D. x 48" Long
3	2716518	1	Hose, 3/4 I.D. x 42" Long
4	8770070	2	Connector, SAE 12 - str. thd. ORB x OFS

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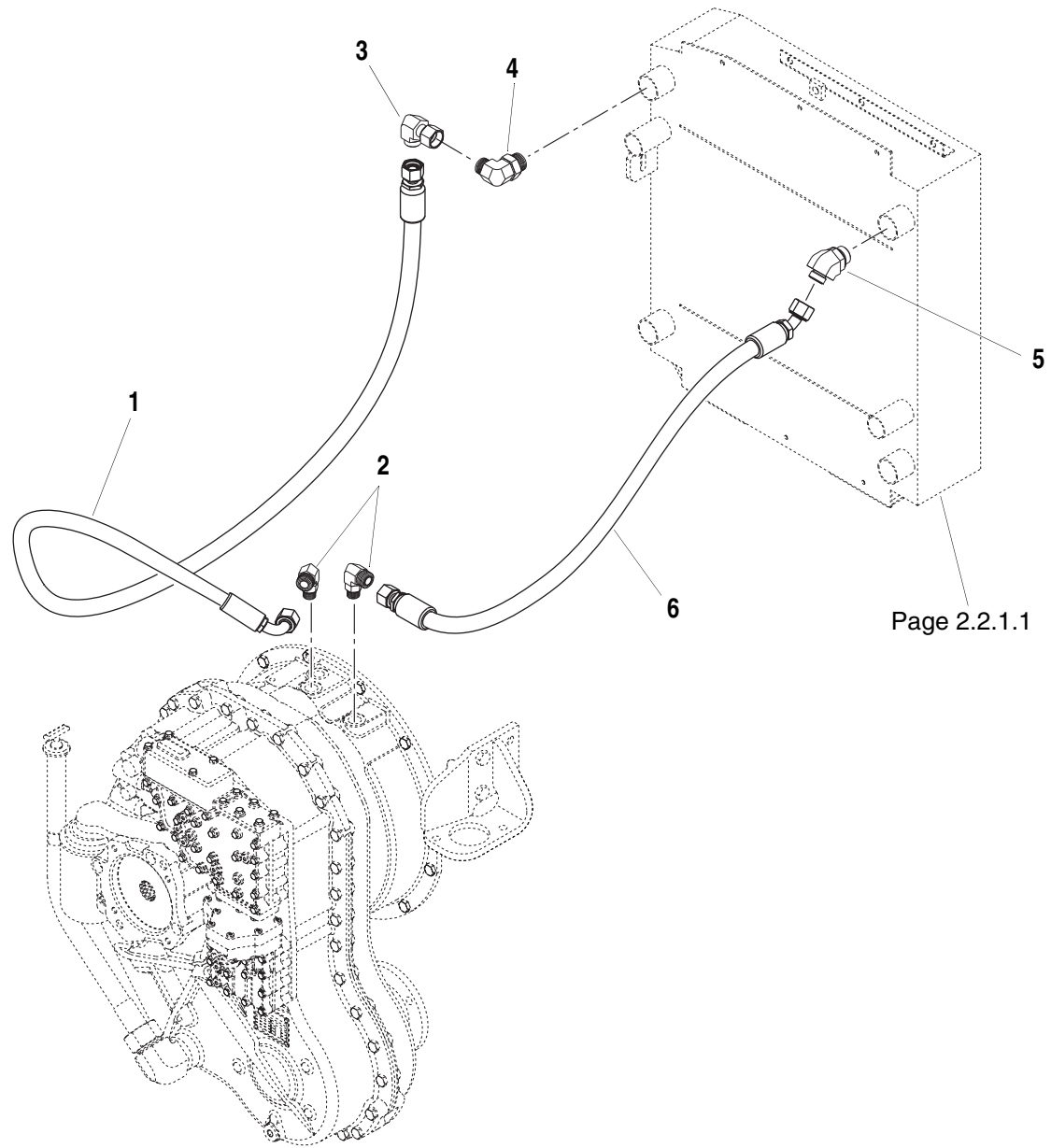
S/N MV006 – MV200

MMV

Tier 1
Tier 2

TRANSMISSION OIL COOLER CIRCUIT

1.38.1



Page 2.2.1.1

ITEM	PART NO.	QTY.	DESCRIPTION
1	2717071	1	Hose, 3/4 I.D. x 62-1/2" Long
2	2770160	2	Elbow, 90°, 10 ORB x 12 FF
3	8770080	1	Elbow, Swivel 90°, 12 FF
4	8760356	1	Elbow, 90°, 16 ORB x 12 FF
5	8770291	1	Elbow, 45°, 16 ORB x 12 FF
6	2717218	1	Hose, 3/4 I.D. x 37" Long

Origin
6/03

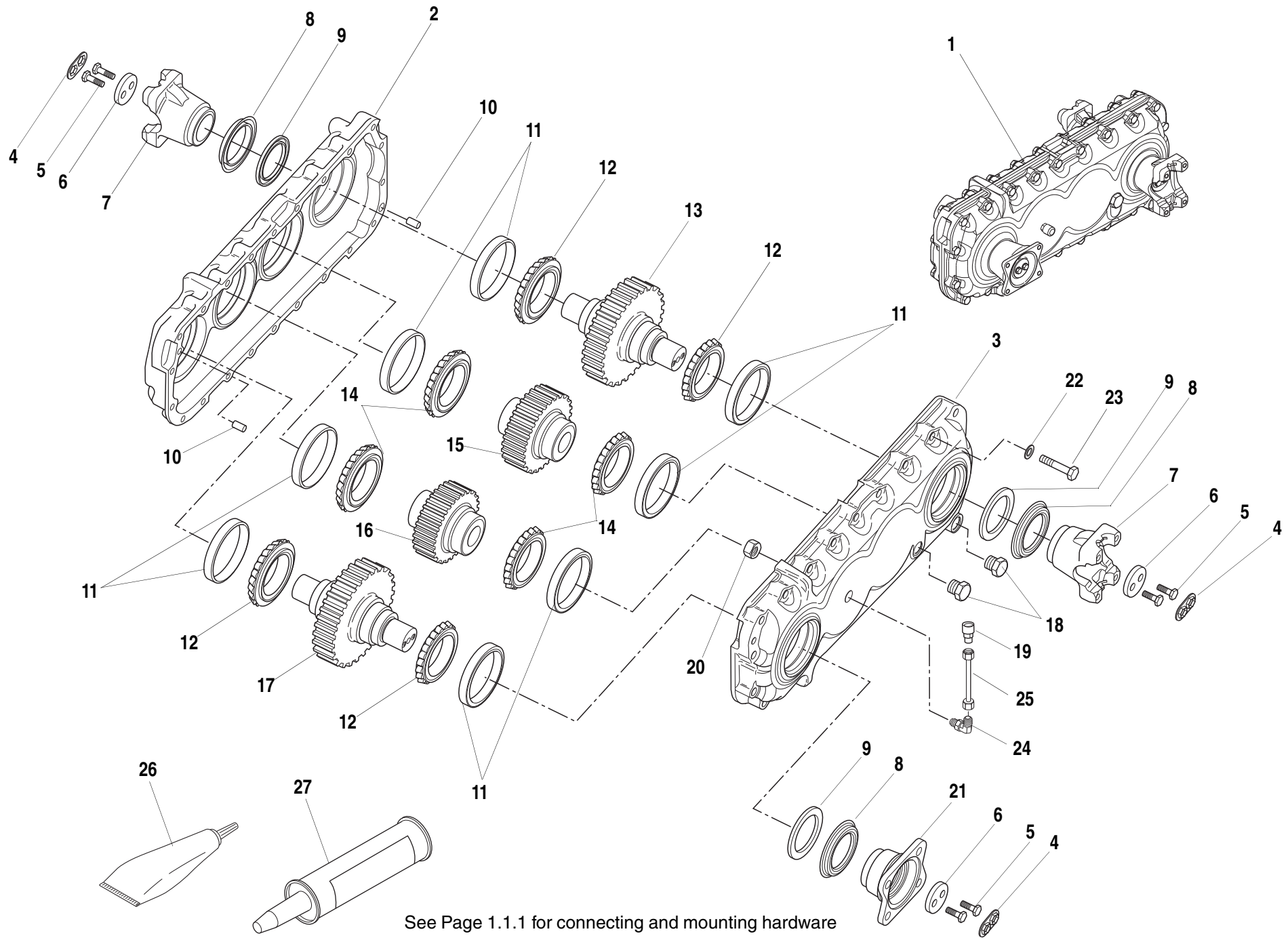
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MMV

Tier 1
Tier 2

TRANSMISSION OIL COOLER CIRCUIT

1.38.1.1



See Page 1.1.1 for connecting and mounting hardware

ITEM	PART NO.	QTY.	DESCRIPTION
1	8841041	1	Transfer Box Assembly (Includes items 2 thru 23)
2	N.S.S.	1	Housing, Front Half (Order Item 1)
3	N.S.S.	1	Housing, Rear Half (Order Item 1)
4	1319649	3	Washer, Tab
5	10731959	6	HHCS, M8 x 25mm
6	1319648	3	Washer, Flange
7	7027273	2	Flange
8	1319647	3	Shield, Dust
9	1320755	3	Seal, Shaft
10	1320761	2	Dowel, M10 x 24mm
11	1320748	8	Cup, Tapered Roller Bearing
12	1320753	4	Cone, Tapered Roller Bearing
13	7027271	1	Gear, Output 39T
14	1320754	4	Cone, Tapered Roller Bearing
15	1320751	1	Gear, Idle 31T
16	1320750	1	Gear, Idle 28T
17	1320749	1	Gear, Input 36T
18	1319578	2	Plug, Oil 7/8-14
19	1320764	1	Breather, M10 x 1mm
20	1320763	1	Nut, Hex M16
21	1320765	1	Flange, Companion
22	1320757	22	Washer, Elastic
23	1320758	22	HHCS, M10 x 60mm
24	8770215	1	Elbow, 90°
25	7300436	1	Tube, Breather, Transfer Case
26	8526052	A/R	Thread locker, Loctite #277 (10ml) .34 fl. oz.
27	8526056	A/R	Gasket Eliminator, Loctite #518

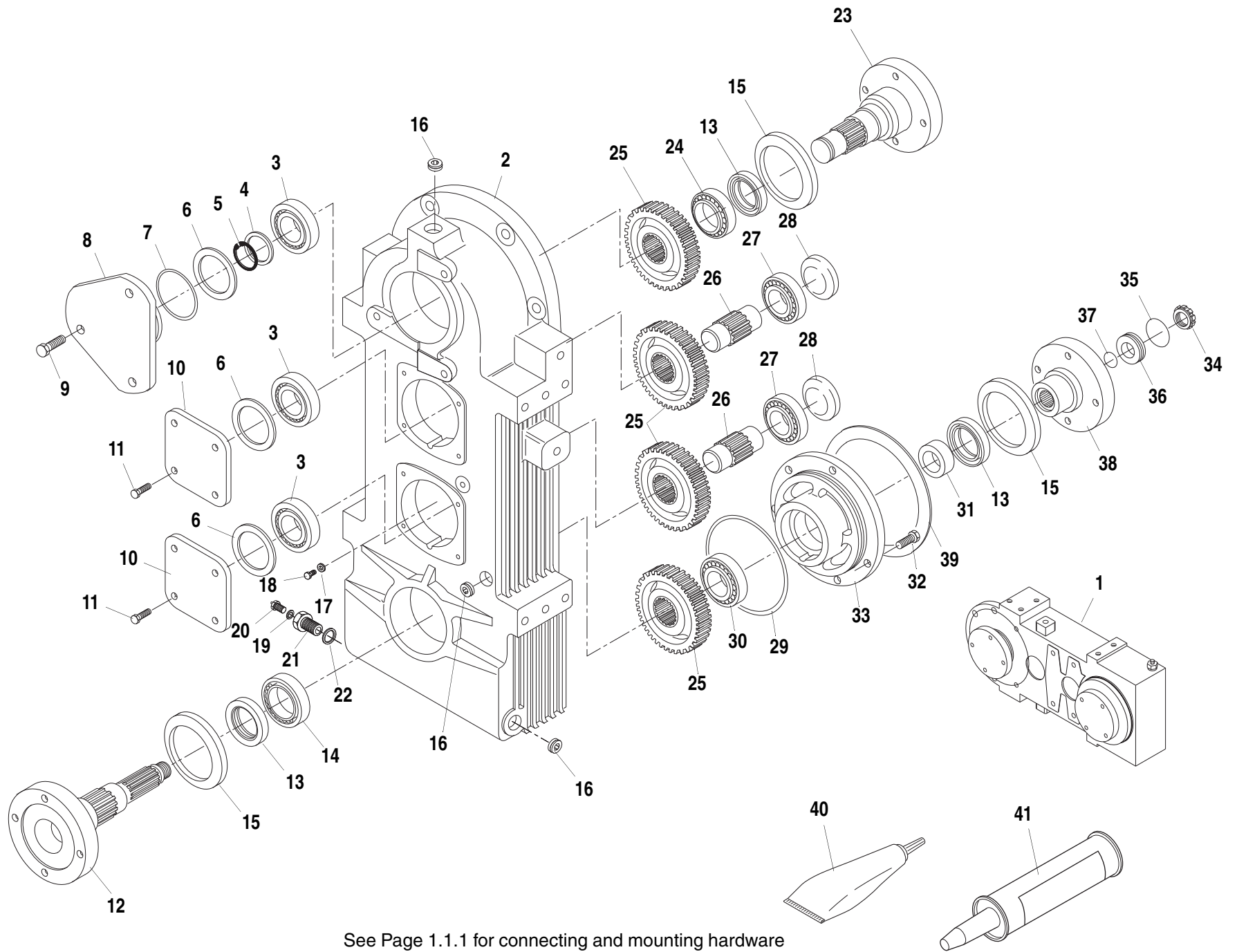
S/N MV006 – MV307 & 0160003128 - 0160005934

MMV

Tier 1
Tier 2

TRANSFER BOX

1.40.1



See Page 1.1.1 for connecting and mounting hardware

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623978	1	Transfer Box Assembly (Includes items 2 thru 39)
2	70020497	1	Transfer Box
3	8033626	3	Bearing
4	8033631	1	Washer
5	8033623	1	Ring, Snap
6	8033628	A/R	Shim, .30mm
	8033629	A/R	Shim, .10mm
	8033630	A/R	Shim, .05mm
7	8033627	1	O-Ring
8	8033622	1	Cover, Shaft
9	8033604	3	HHCS, M12X30
10	8033618	2	Cover
11	8035241	8	HHCS, M8X22
12	70020498	1	Shaft
13	70020499	3	Seal Ring, Oil
14	8033625	1	Bearing
15	70020500	3	Cover
16	8035243	3	Plug, Oil M22X1.5
17	8033608	1	Washer
18	8033613	1	HHCS
19	8033609	1	Washer
20	8033612	1	Breather, M10X1
21	8033619	1	Extension, Breather
22	8033610	1	Washer
23	70020501	1	Shaft
24	8033625	1	Bearing
25	8033633	4	Gear
26	8033632	4	Pin, Gear
27	8033626	2	Bearing
28	8033614	2	Plug
29	8033611	1	O-Ring
30	8033594	1	Bearing
31	8033599	1	Spacer
32	8033603	5	HHCS, M10X30
33	70020502	1	Cover
34	8033590	1	Nut, Ring M25X1.5

35	8033596	1	O-Ring
36	8033597	1	Ring, Centering
37	8033595	1	O-Ring
38	70020503	1	Flange
39	8033615	A/R	Shim, .10mm
	8033616	A/R	Shim, .19mm
	8033617	A/R	Shim, .35mm
40	8526052	A/R	Thread locker, Loctite #277 (10ml) .34 fl. oz.
41	8526056	A/R	Gasket Eliminator, Loctite #518

Origin
04/07

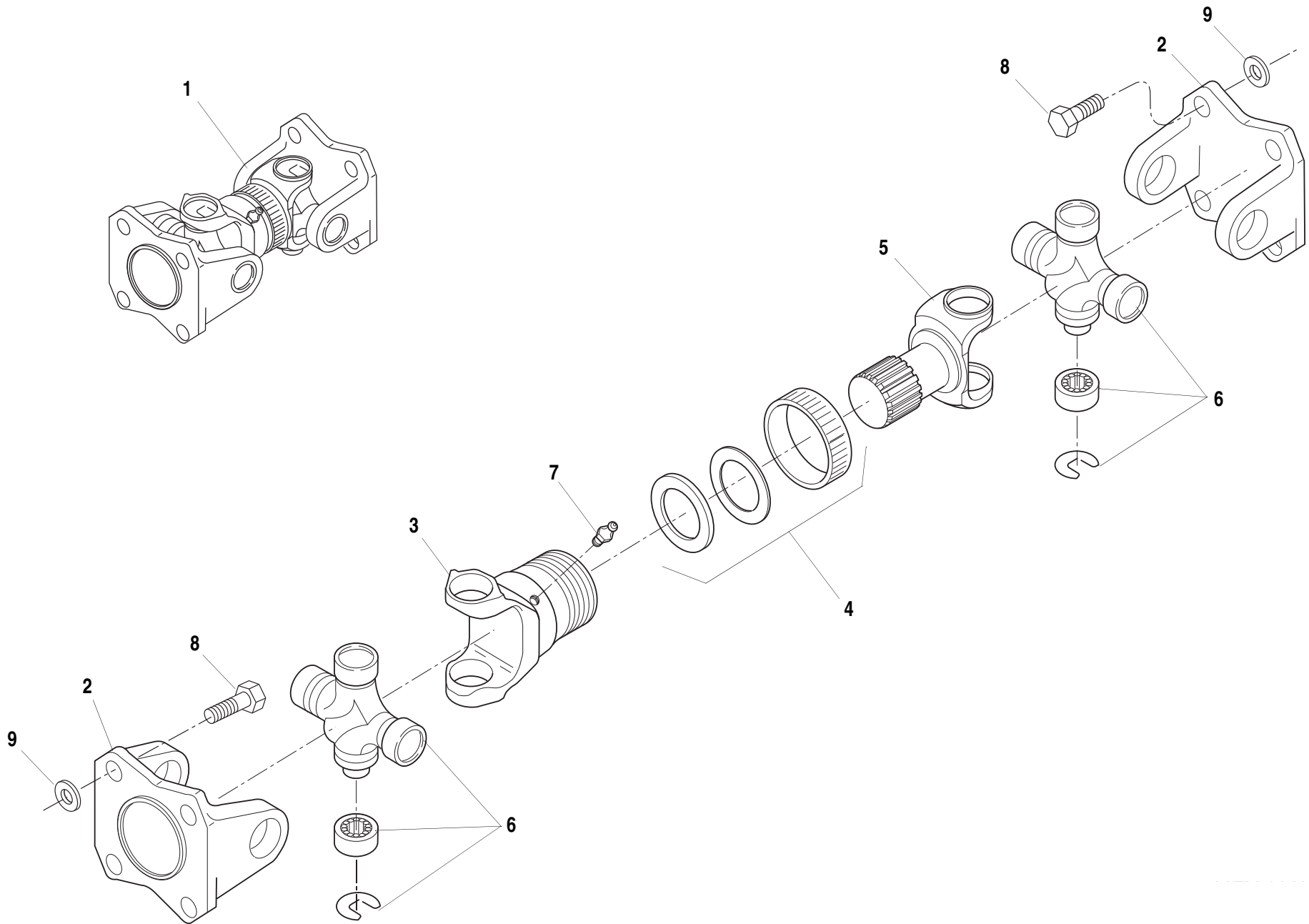
S/N 0160005976 –

MMV

Tier 1
Tier 2

TRANSFER BOX

1.40.1.1



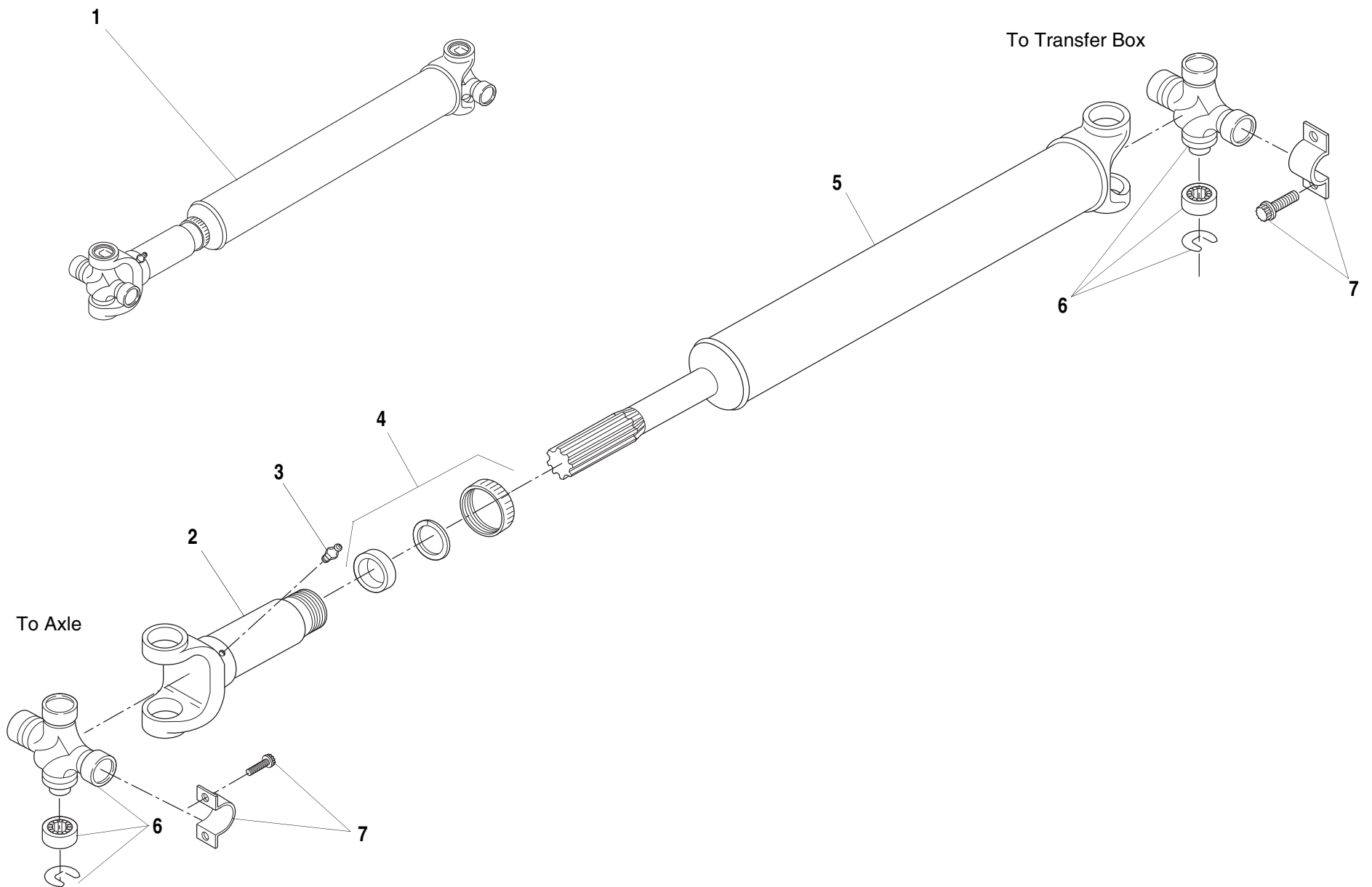
ITEM	PART NO.	QTY.	DESCRIPTION
1	7138760	1	Drive Shaft Assembly - Transmission to Transfer (Includes Items 2 thru 7)
2	N.S.S	2	Flange, Yoke (Order Item 1)
3	N.S.S	1	Yoke, Slip (Order Item 1)
4	8035779	1	Kit, Dust Cap
5	N.S.S	1	Shaft, Yoke (Order Item 1)
6	8035778	2	Kit, Cross & Bearing
7	8033004	1	Fitting, Grease
8	0701214	8	HHSC, 12-1.75X30mm
9	4832100	8	Washer, Lock M12

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MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	7135912	1	Drive Shaft Assembly - Front (Includes Items 2 thru 6)
2	N.S.S	1	Yoke, Slip (Order Item 1)
3	8033004	1	Fitting, Grease
4	8035109	1	Kit, Dust Cap
5	N.S.S	1	Shaft, Yoke (Order Item 1)
6	8035778	2	Kit, Cross & Bearing
7	8880218	4	Kit, Strap

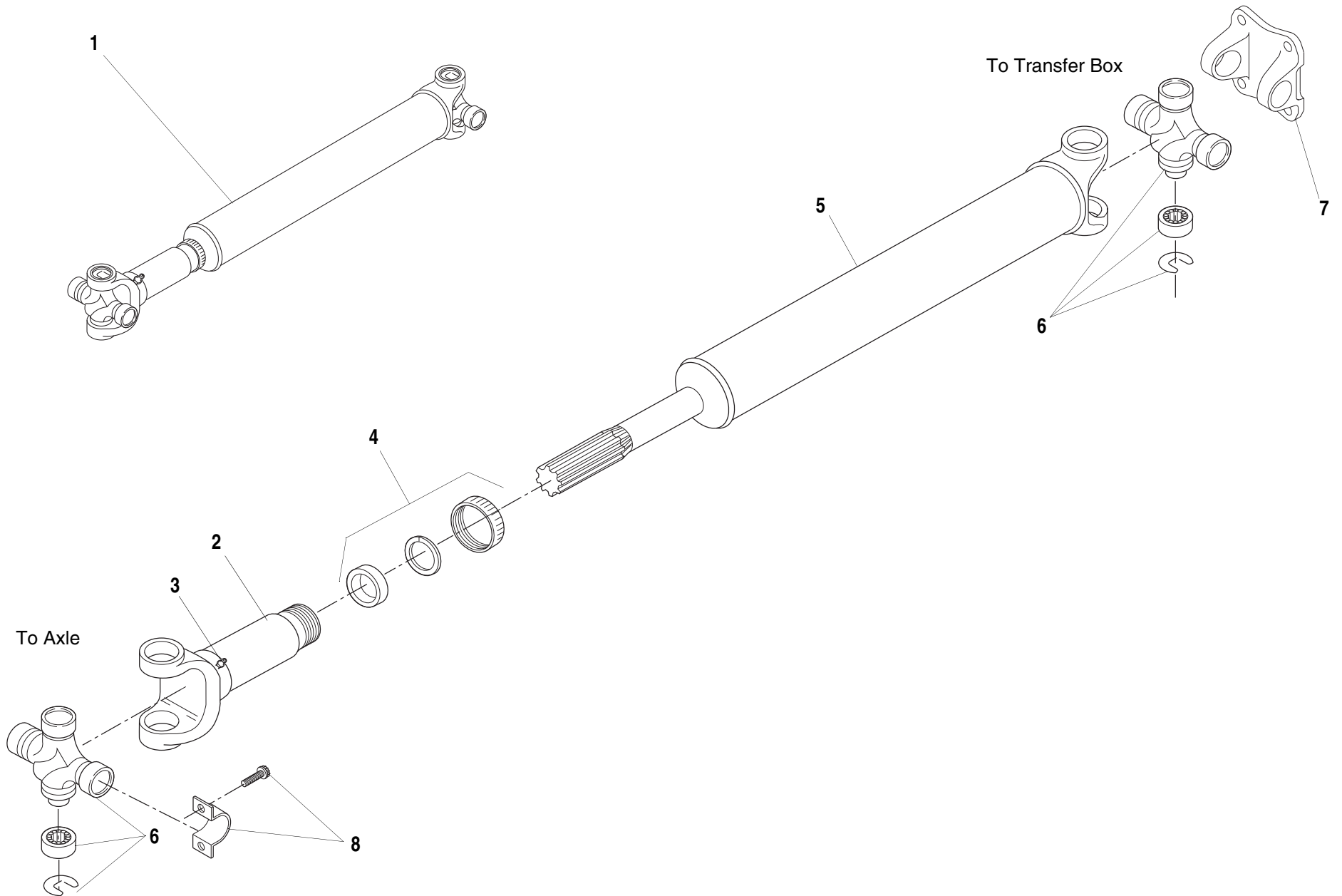
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MMV

Tier 1
Tier 2

DRIVE SHAFT - TRANSFER BOX TO FRONT AXLE 1.42.1



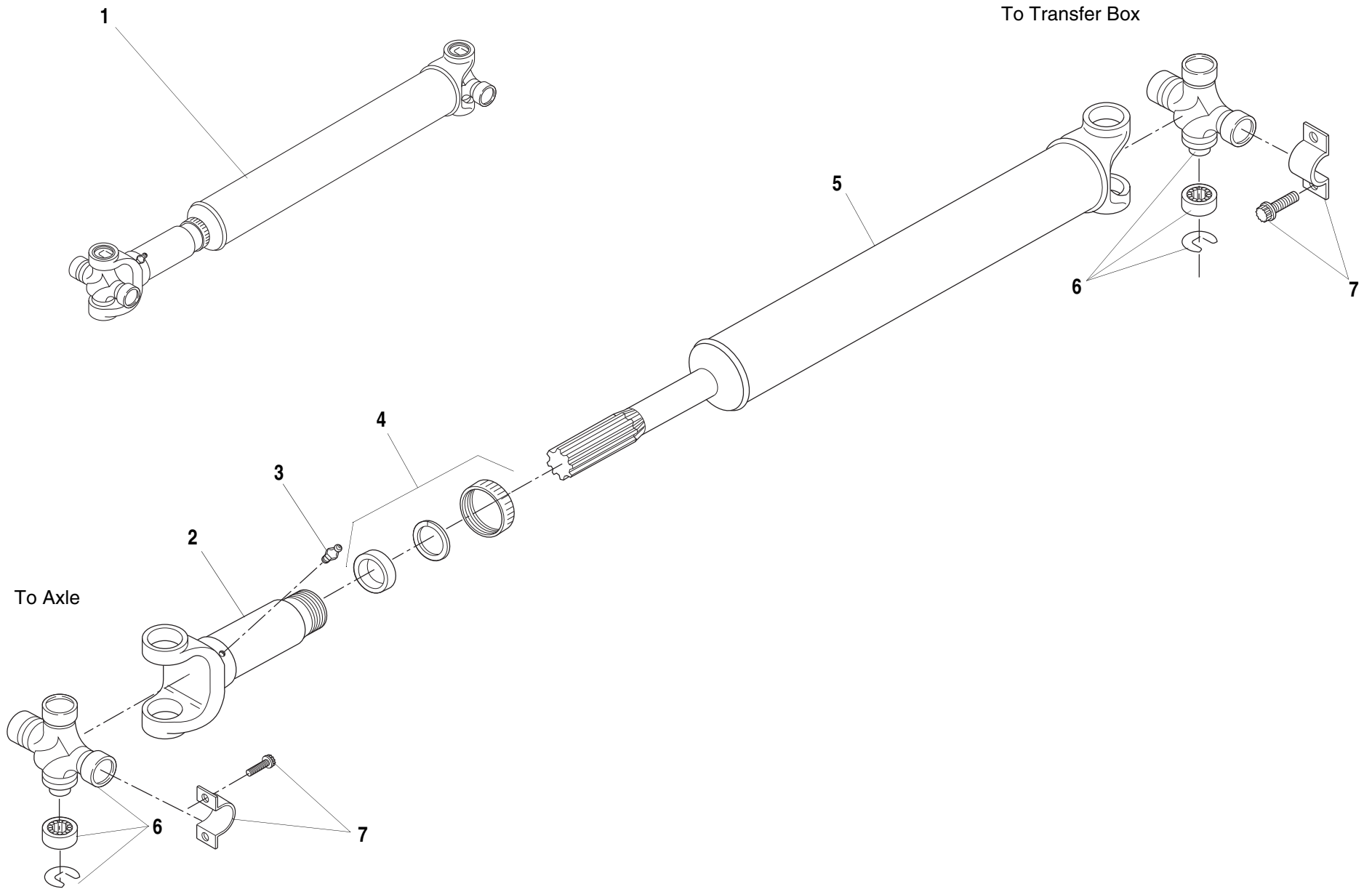
ITEM	PART NO.	QTY.	DESCRIPTION
1	6623979	1	Drive Shaft Assembly - Front (Includes Items 2 thru 67)
2	N.S.S	1	Yoke, Slip (Order Item 1)
3	N.S.S	1	Fitting, Grease
4	8035109	1	Kit, Dust Cap
5	N.S.S	1	Shaft, Yoke (Order Item 1)
6	91474035	2	Kit, Cross & Bearing
7	N.S.S	1	Yoke, Flange (Order Item 1)
8	8880218	2	Kit, Strap

Origin
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S/N 0160005976 -

MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	7135922	1	Drive Shaft Assembly - Rear (Includes Items 2 thru 6)
2	N.S.S	1	Yoke, Slip (Order Item 1)
3	8033004	1	Fitting, Grease
4	8035109	1	Kit, Dust Cap
5	N.S.S	1	Shaft, Yoke (Order Item 1)
6	8035778	2	Kit, Cross & Bearing
7	8880218	4	Kit, Strap

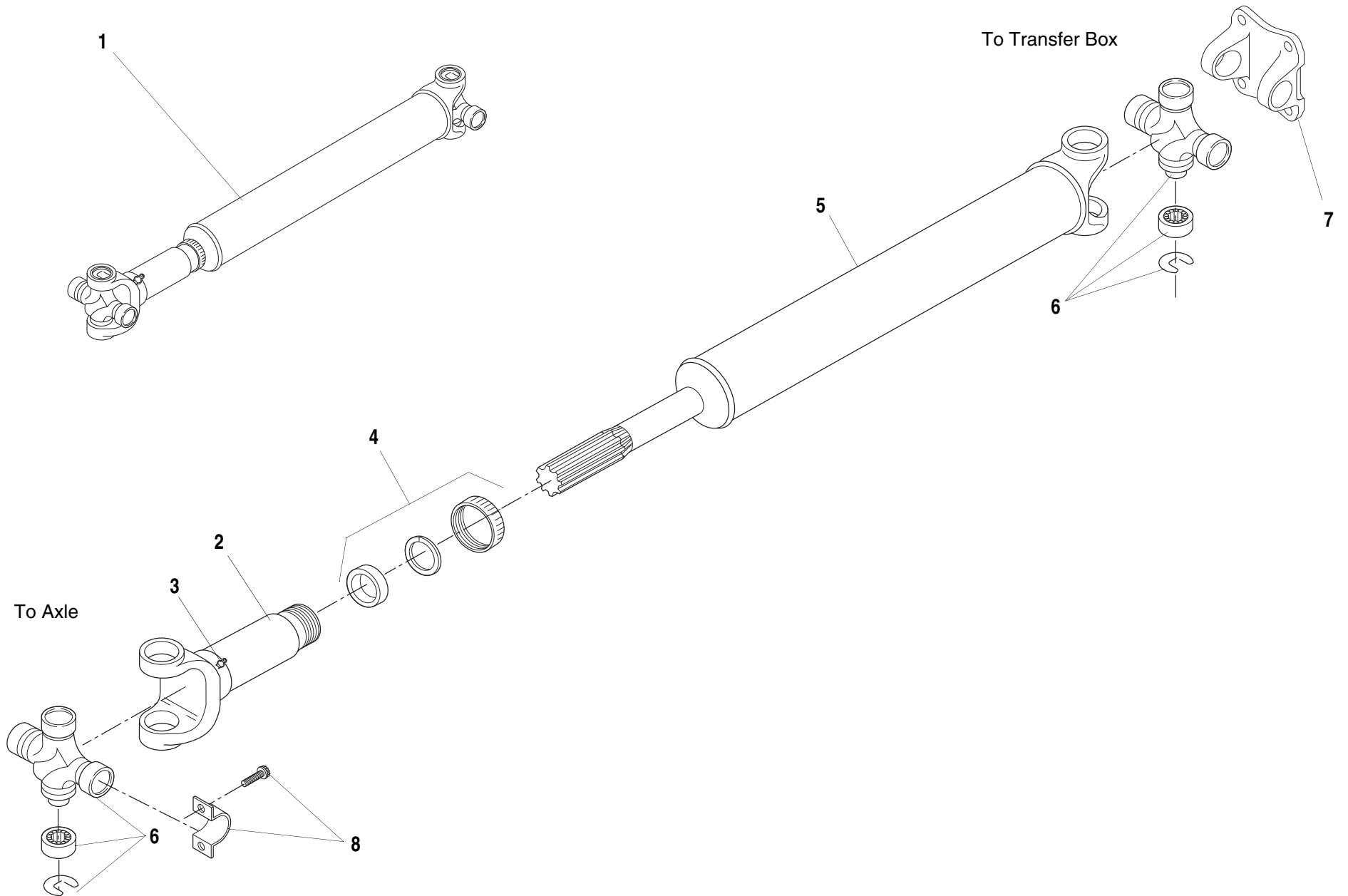
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MMV

Tier 1
Tier 2

DRIVE SHAFT - TRANSFER BOX TO REAR AXLE 1.43.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623980	1	Drive Shaft Assembly - Rear (Includes Items 2 thru 7)
2	N.S.S	1	Yoke, Slip (Order Item 1)
3	N.S.S	1	Fitting, Grease
4	8035109	1	Kit, Dust Cap
5	N.S.S	1	Shaft, Yoke (Order Item 1)
6	91474035	2	Kit, Cross & Bearing
7	N.S.S	1	Yoke, Flange (Order Item 1)
8	8880218	2	Kit, Strap

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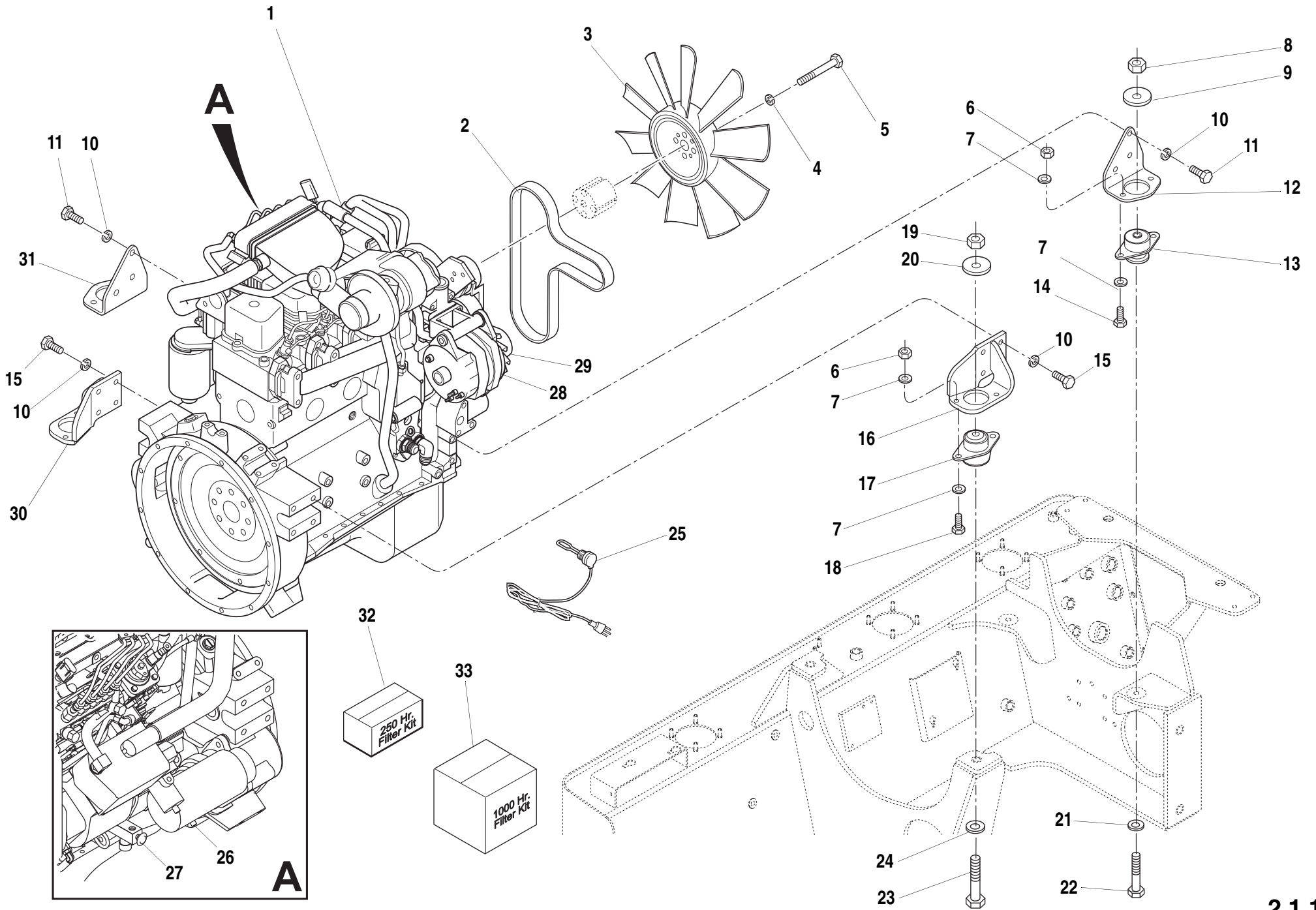
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Tier 2

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ITEM	PART NO.	QTY.	DESCRIPTION
1	8262159	1	Engine, Cummins 4BTA 3.9 EPA
2	8036645	1	Belt, Fan
3	8272017	1	Fan, 18" Suction
4	8307022	4	Washer, Lock M8
5	8310424	4	HHCS, M8-1,5 x 90mm
6	8305645	8	Nut, Hex Lock Elastic 3/8-16
7	8307110	16	Washer, Flat 3/8" Narrow
8	8310109	2	Nut, Hex Lock Elastic 7/16-14
9	7121951	2	Washer, Rebound 7/16"
10	8307025	14	Washer, Lock M12
11	8303790	6	HHCS, M12-1,75 x 30mm PC 8,8
12	7127562	1	Mount, Engine, Rear Left Side
13	8278039	2	Isolator, Engine
14	8303675	4	HHCS, 3/8-16 x 1-1/4" Gr. 5
15	8310164	8	HHCS, M12-1,75 x 40mm PC 8,8
16	7127492	1	Mount, Engine, Front Left Side
17	8278038	2	Isolator, Engine
18	8303621	4	HHCS, 3/8-16 x 1-1/2" Gr. 5
19	8305643	2	Nut, Hex Lock Elastic 5/8-11
20	7132141	2	Washer, Rebound 5/8"
21	8307113	2	Washer, Flat 7/16" Narrow
22	8310289	2	HHCS, 7/16-14 x 3-1/4" Gr. 8
23	8310333	2	HHCS, 5/8-11 x 4" Gr. 8
24	8307107	2	Washer, Flat 5/8" Narrow
25	8277161	1	Heater, Coolant
26	8036340	1	Starter
27	8904060	1	Valve, Oil Sample
28	8270214	1	Alternator, 24V, 70 Amp
29	8270220	1	Fan, Alternator
	7028963	1	Fan Pulley
30	7127462	1	Mount, Engine, Front Right Side
31	7127552	1	Mount, Engine, Rear Right Side

KITS			
32	7138288	1	250 Hour Filter Kit (Includes 2 Filters: Engine Oil Filter & Primary Fuel Filter)
33	8024015	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

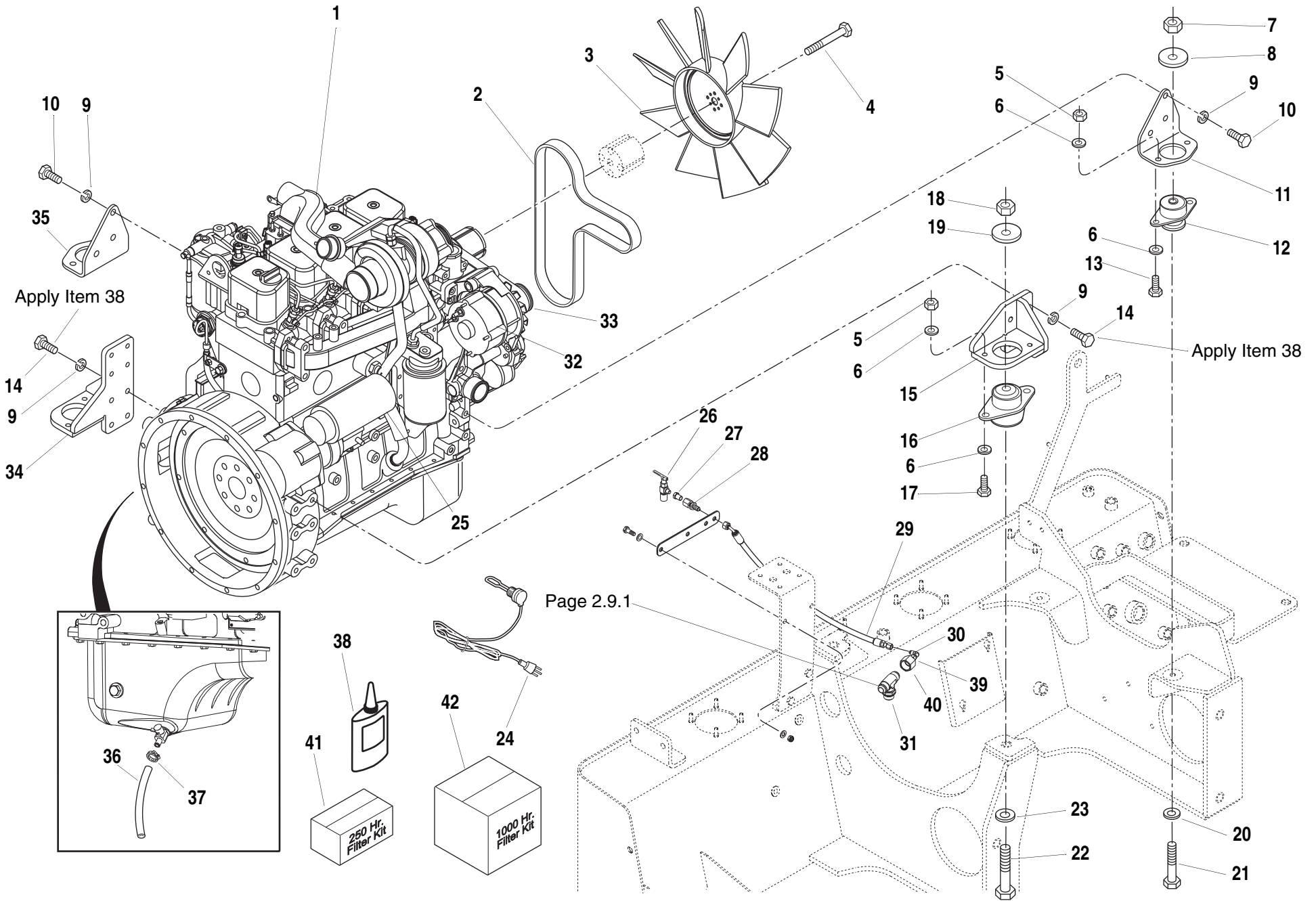
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MMV

Tier 1
Tier 2

ENGINE MOUNTING

2.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8262170	1	Engine Cummins QSB4.5T, 110 HP
2	7028837	1	Belt, Fan
3	8272032	1	Fan, 24" Suction
4	8310645	4	HHCS, M10-1,5 x 100mm PC8.9
5	8305645	8	Nut, Hex Lock Elastic 3/8-16
6	8307110	16	Washer, Flat 3/8" Narrow
7	8310109	2	Nut, Hex Lock Elastic 7/16-14
8	7121951	2	Washer, Rebound 7/16"
9	8307025	14	Washer, Lock M12
10	8303790	6	HHCS, M12-1,75 x 30mm PC 8,8
11	7127562	1	Mount, Engine, Rear Left Side
12	8278039	2	Isolator, Engine
13	8303675	4	HHCS, 3/8-16 x 1-1/4" Gr. 5
14	8310164	8	HHCS, M12-1,75 x 40mm PC 8,8
15	6623662	1	Mount, Engine, Front Left Side
16	8278038	2	Isolator, Engine
17	8303621	4	HHCS, 3/8-16 x 1-1/2" Gr. 5
18	8305643	2	Nut, Hex Lock Elastic 5/8-11
19	7132141	2	Washer, Rebound 5/8"
20	8307113	2	Washer, Flat 7/16" Narrow
21	8310289	2	HHCS, 7/16-14 x 3-1/4" Gr. 8
22	8310333	2	HHCS, 5/8-11 x 4" Gr. 8
23	8307107	2	Washer, Flat 5/8" Narrow
24	8277161	1	Heater, Coolant
25	7028993	1	Starter
26	8904026	1	Valve, Engine Oil Sampling
27	8540071	1	Adapter
28	8036532	1	Adapter, Bulkhead 4FP-4T 37°
29	2717202	1	Hose, Engine Oil Sampling
30	8760272	1	Fitting, 90°
31	8760483	1	Fitting, Tee
32	8270214	1	Alternator, 24V, 70 Amp
33	8270220	1	Fan, Alternator
	7028963	1	Fan Pulley
34	6623658	1	Mount, Engine, Front Right Side
35	7127552	1	Mount, Engine, Rear Right Side
36	7132131	1	Hose, Oil Drain, .375 I.D.

ITEM	PART NO.	QTY.	DESCRIPTION
37	8410009	1	Clamp, Gear, 1.06 Max. Dia.
38	8526007	A/R	Threadlocker, Loctite #242 Removable Grade 8.45 fl. oz.
39	8760499	1	Reducer, Tube End #12
40	8760401	1	Nut, #12
			KITS
41	8024051	1	250 Hour Filter Kit (Includes 2 Filters: Engine Oil Filter & Primary Fuel Filter)
42	8024052	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

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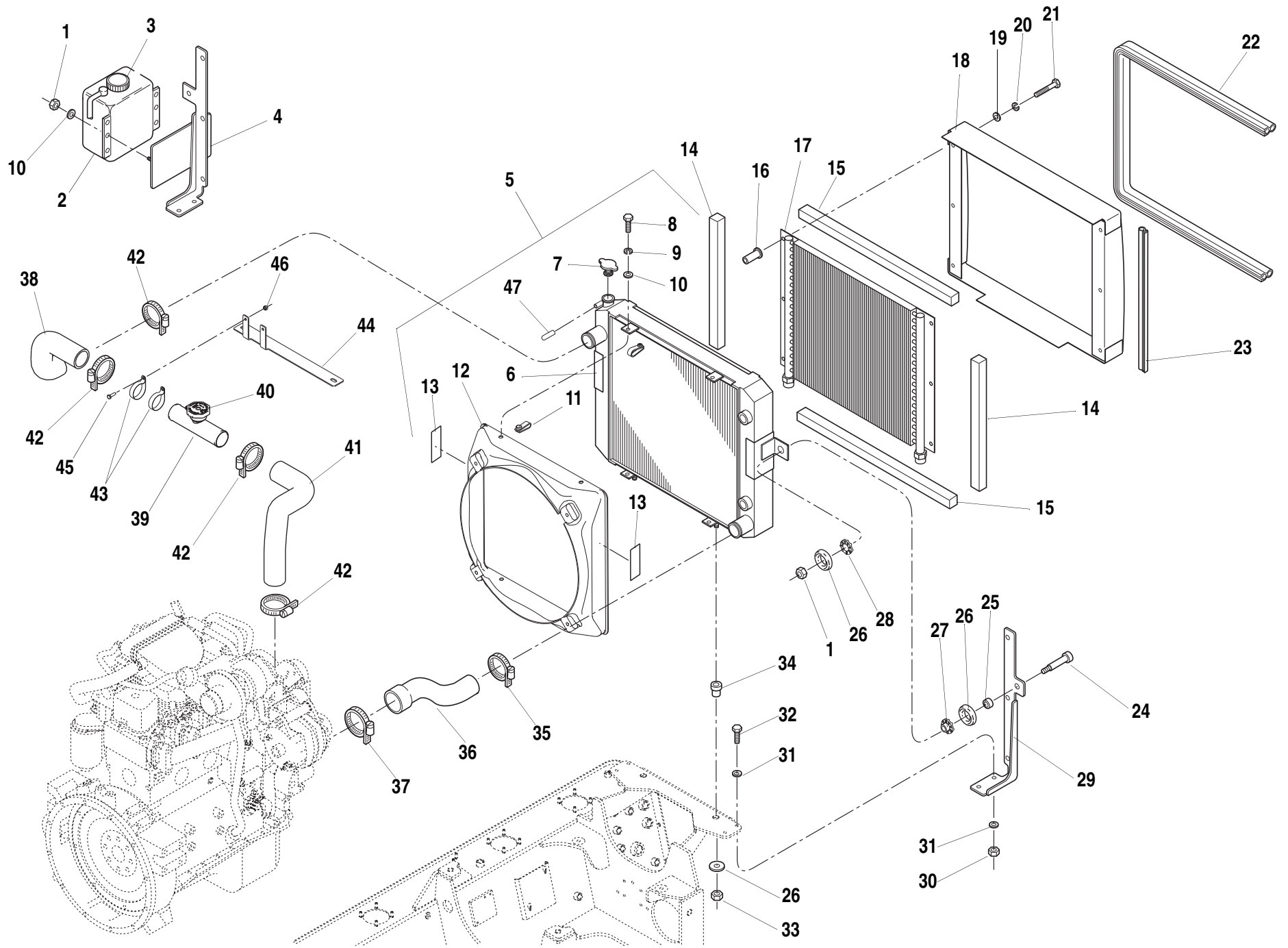
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Tier 1
Tier 2

ENGINE MOUNTING

2.1.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8305626	4	Nut, Hex Lock Elastic 5/16-18
2	7085422	1	Tank, Overflow 3 Qt. (Includes Item 3)
3	8866341	1	Cap w/Tether
4	7138231	1	Bracket Assembly, Radiator Right Side
5	8024030	1	Radiator Assembly Kit (Includes Items 6 thru 13, Item 47 is Not Included)
6	N.S.S.	1	Radiator (Order Item 5)
7	8180311	1	Cap, Radiator
8	8303697	4	HHCS, 5/16"-18 x 3/4" Gr. 5
9	8307004	4	Washer, Lock 5/16"
10	8307106	6	Washer, Plain 5/16"
11	8036546	4	Nut, Speed 5/16"-18
12	8024031	1	Shroud Kit, Radiator (Includes Item 13)
13	N.S.S.	2	Decal (See Decal Page)
14	7132012	2	Baffle, Foam
15	7139938	2	Baffle, Foam
16	8580420	6	Nut, Well
17	7129973	1	Cooler, Oil (See Page 6.1.1 for Hose Connection)
18	7138242	1	Baffle Assembly, Radiator
19	8307202	6	Washer, Flat 1/4" Wide
20	8307002	6	Washer, Lock 1/4"
21	8303743	6	HHCS, 1/4-20 x 1-1/2"
22	7131952	1	Seal Bulb
23	7132002	1	Moulding, Seal Bulb
24	8310104	2	Bolt, Shoulder, Socket Hd. 3/8 x 1-1/2 x 5/16-18
25	7130131	2	Spacer
26	7057141	4	Washer, Rebound 3/8"
27	8278023	2	Bushing, Radiator Mount
28	8278024	2	Ring, Radiator Mount
29	7138230	1	Bracket, Radiator Left Side
30	8305645	4	Nut, Hex Lock Elastic 3/8-16
31	8307204	8	Washer, Flat 3/8" Wide
32	8303621	4	HHCS, 3/8-16 x 1-1/2" Gr. 5
33	8305603	2	Nut, Hex Lock 3/8-16
34	8278008	2	Mount, Rubber
35	8405104	1	Clamp, Radiator Hose
36	7138515	1	Hose, Radiator, Return

37	8405202	1	Clamp, Radiator Hose
38	7139514	1	Hose, Radiator, Upper
39	8180319	1	Neck, Filler (Includes Item 40)
40	8180318	1	Cap, Radiator, 10 PSI
41	7139515	1	Hose, Radiator
42	8405201	4	Clamp, Gear
43	8342016	2	Clamp, P-Style
44	7139917	1	Bracket, Radiator Hose
45	8303544	2	HHCS, M6-1.00 x 20mm
46	8305047	2	Nut, Hex M6 x 1.00
47	6623586	1	Cap, Rubber

N.S.S. = Not Sold Separately

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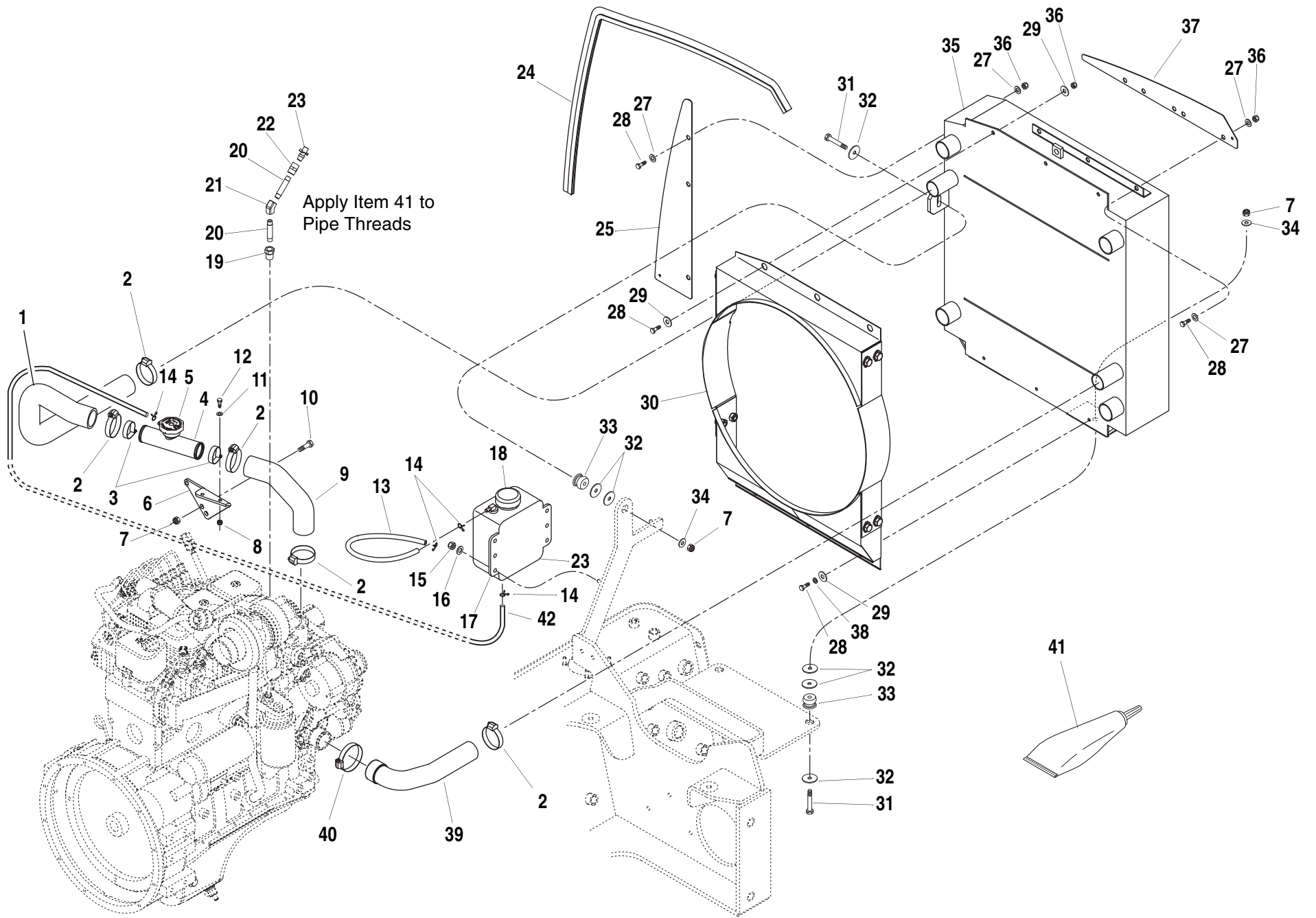
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Tier 1
Tier 2

RADIATOR AND OIL COOLER MOUNTING

2.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7301915	1	Hose, Upper Radiator
2	8405201	5	Clamp, Gear
3	8342016	2	Clamp, P-Style
4	7139992	1	Neck, Filler (Includes Item 5)
5	8180318	1	Cap, Radiator, 10 PSI
6	6623910	1	Bracket, Radiator Hose
7	8305630	4	Nut, Hex Lock M10-1.50
8	8305624	2	Nut, Hex Lock Elastic .250 - 20 NC
9	7301914	1	Hose, Radiator
10	8310534	1	HHCS, M10-1.50 x 40mm PC10.9
11	8307109	2	Washer, Plain 1/4" Narrow
12	8310026	2	HHCS, .250 - 20 NC x .750 GR5
13	8180330	1	Hose, Overflow 700mm
14	8410016	4	Clip, Hose
15	8305626	2	Nut, Hex Elastic 5/16"-18 NC
16	8307203	2	Washer, Plain 5/16" STD Wide
17	7085422	1	Tank, Overflow 3 Qt. (Includes Item 18)
18	8866341	1	Cap, w/Teather
19	8530012	1	Reducer, Pipe Thread 8P-4P, Brass
20	2210113	2	Nipple, 8P x 2-1/2"
21	8530042	1	Elbow, Female 4P, Brass
22	8530043	1	Coupling, Hex Pipe 4P, Brass
23	8904001	2	Drain Cock, External, Brass
24	7300375	1	Seal, Bulb w/Grip 54"
25	6623856	1	Sheet, Side Baffle
26	8303656	6	HHCS, 5/16-18 NC x 7/8"
27	8307203	14	Washer, Plain 5/16" Wide
28	8303606	6	HHCS, M8-1.25 x 20mm PC8.8
29	8310621	8	Washer, Fender 10mm x 30mm
30	6623918	1	Shroud, Fan
31	8303097	3	HHCS, M10-1.5 x 65mm PC8.8
32	7057141	9	Washer, Flat Rebound
33	8278020	3	Mount, Rubber-Isolator
34	8310200	3	Washer, Plain Hrd. 1/4"
35	8180224	1	Cooling Stack
36	8305654	9	Nut, Hex Lock Elastic M8-1.25

37	6623855	1	Sheet, Top Baffle
38	8307022	3	Washer, Lock M8
39	7301916	1	Hose, Lower Radiator
40	8405202	1	Clamp, Gear, 2.75 Max. Dia.
41	8526044	A/R	Sealant, Pipe Thread
42	8180336	1	Hose, Overflow 1000 mm

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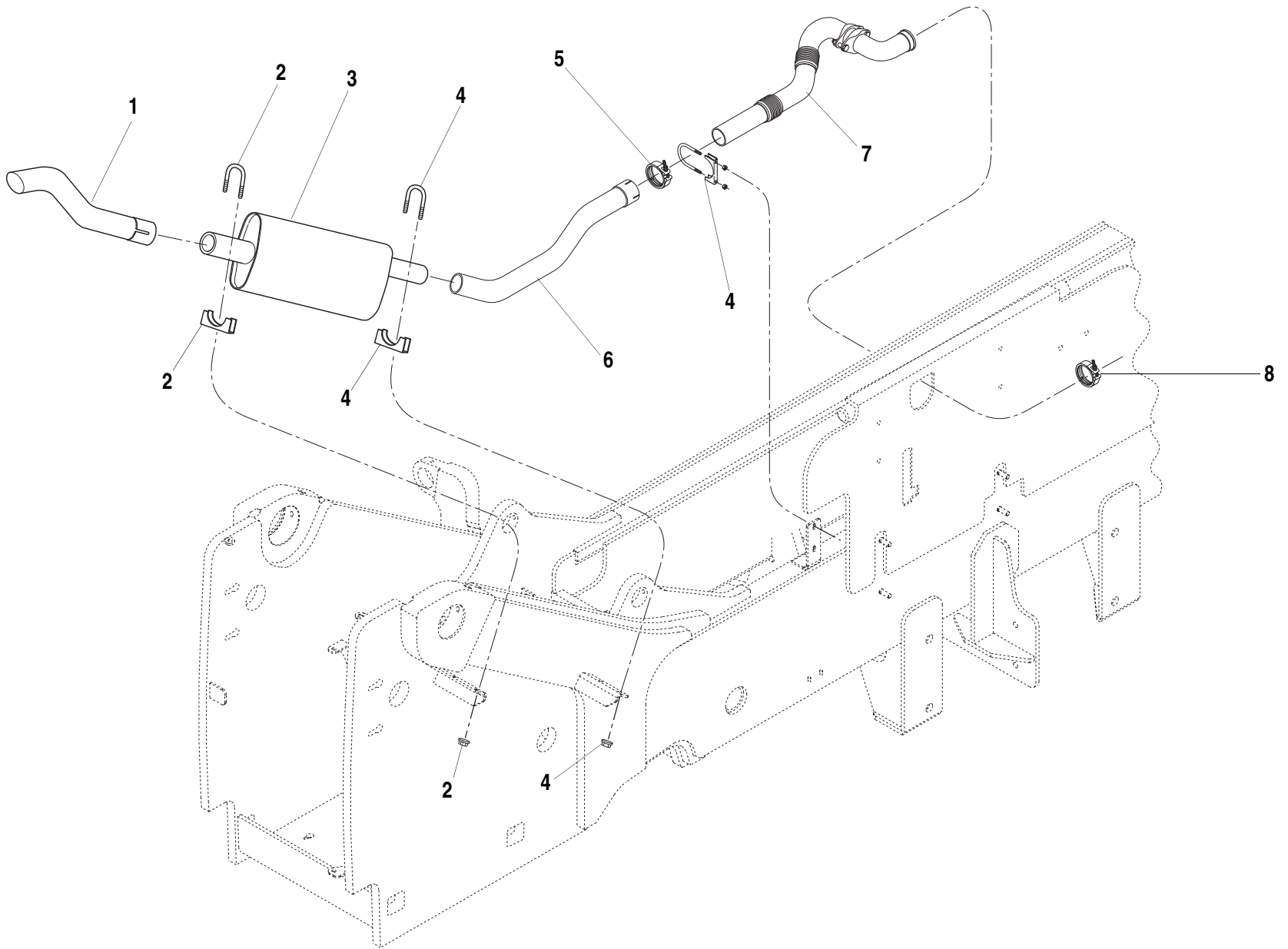
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Tier 1
Tier 2

RADIATOR AND OIL COOLER MOUNTING

2.2.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138686	1	Tail Pipe
2	8275247	1	Clamp, Muffler 3", Heavy Duty
3	8275041	1	Muffler
4	8275212	2	Clamp, Muffler 2-1/2", U-Type
5	8275249	1	Clamp, Accuseal, 2 1/2"
6	7139461	1	Pipe, Exhaust
7	7139460	1	Pipe, Exhaust, Turbo Outlet
8	8275240	1	Clamp, V-Band

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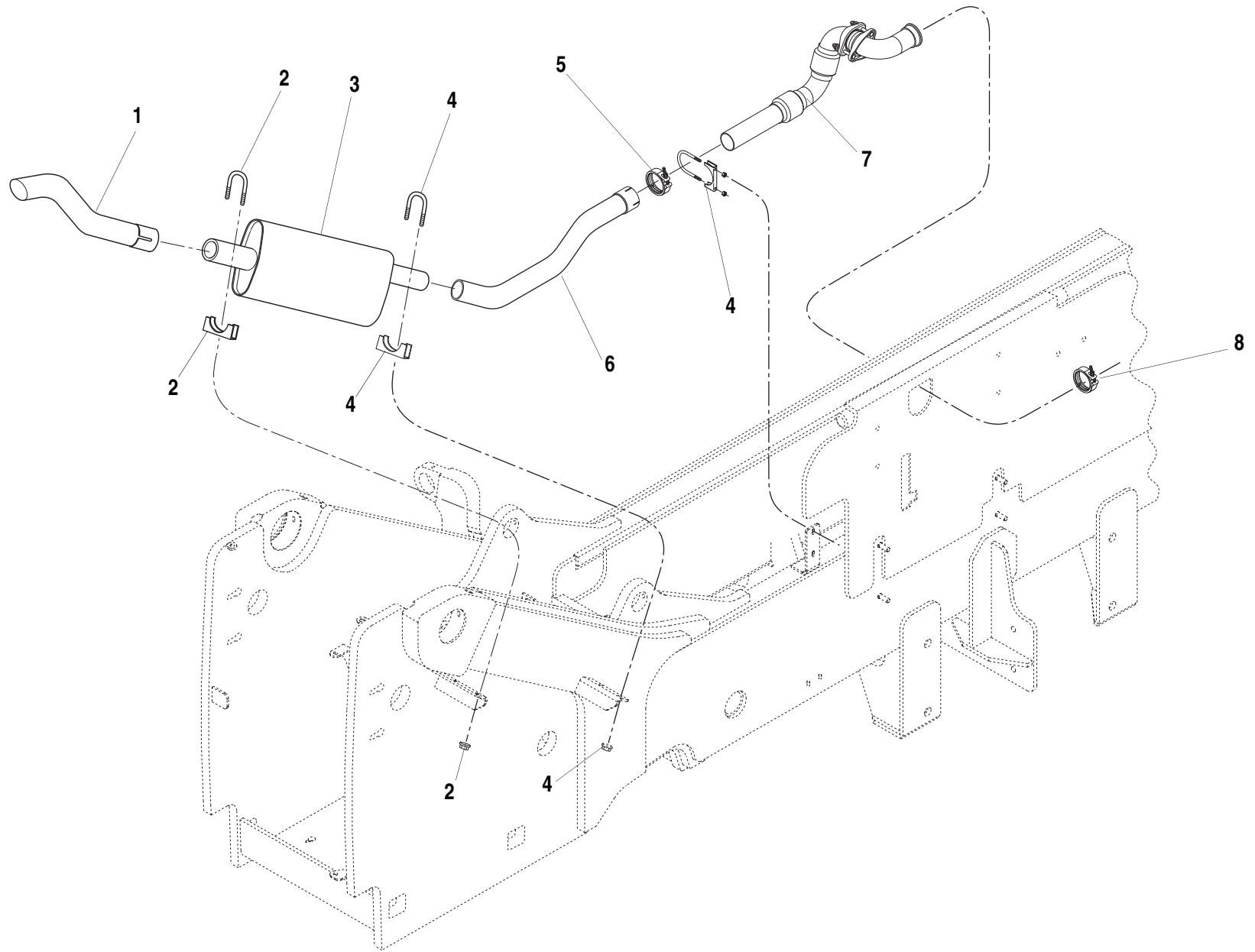
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Tier 1
Tier 2

EXHAUST SYSTEM

2.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138686	1	Tail Pipe
2	8275247	1	Clamp, Muffler 3", Heavy Duty
3	8275041	1	Muffler
4	8275212	2	Clamp, Muffler 2-1/2", U-Type
5	8275249	1	Clamp, Accuseal, 2 1/2"
6	7139461	1	Pipe, Exhaust
7	6623724	1	Pipe, Exhaust, Turbo Outlet
8	8275240	1	Clamp, V-Band

Origin
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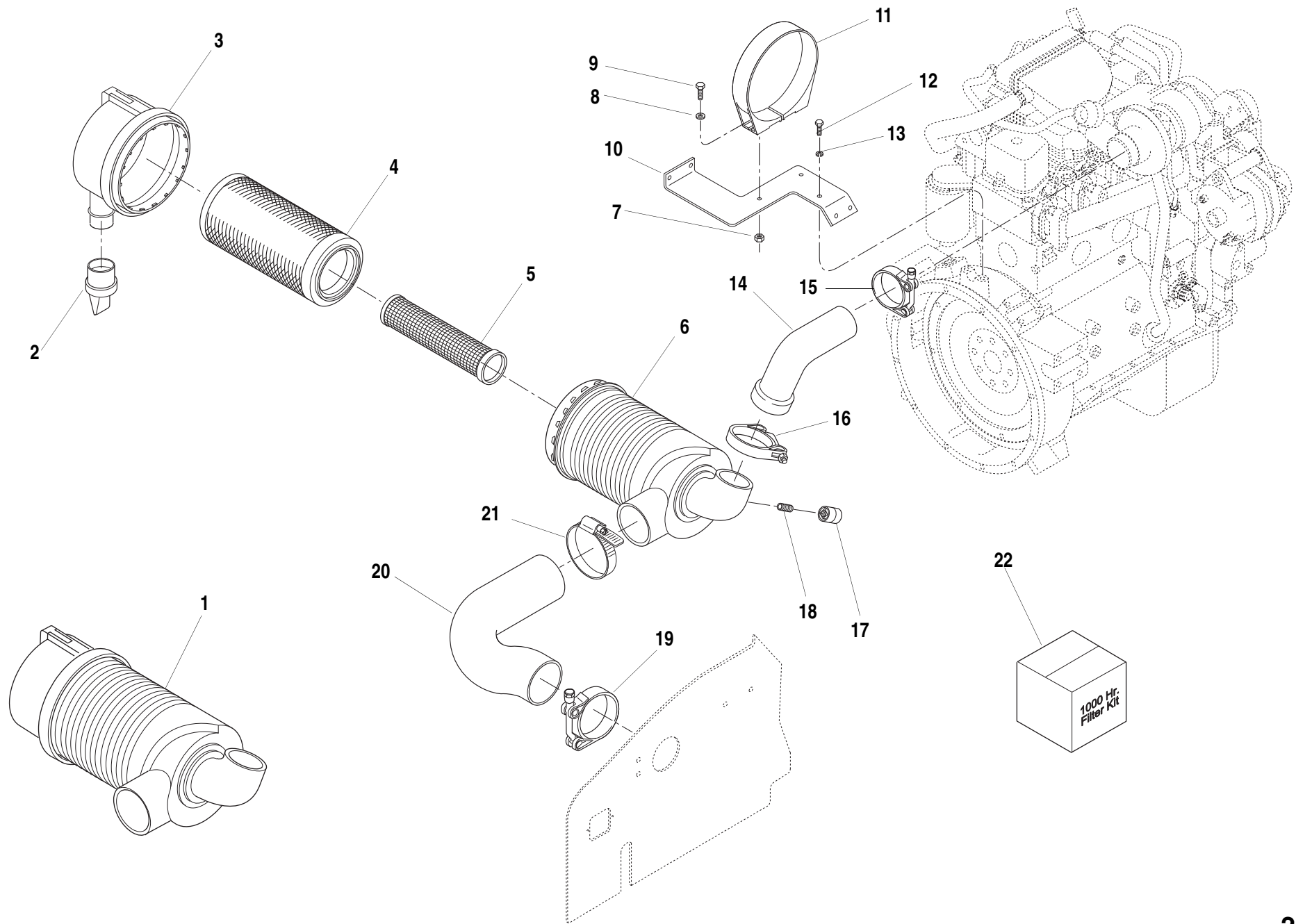
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Tier 1
Tier 2

EXHAUST SYSTEM

2.3.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	10268515	1	Air Cleaner Assembly (Includes Items 2 thru 6)
2	8036869	1	Valve, Vacuator
3	8036868	1	Cover Assembly
4	1101312	1	Filter, Primary (Also Included In Kit, Item 22)
5	1101313	1	Filter, Safety (Also Included In Kit, Item 22)
6	N.S.S.	1	Body Assembly
7	8305626	2	Nut, Hex Lock Elastic 5/16-18
8	8307106	2	Washer, Flat 5/16" Narrow
9	8303670	2	HHCS, 5/16-18 x 1"
10	7139822	1	Plate, Air Cleaner Mount
11	10268516	1	Band, Air Cleaner Mounting
12	8303675	3	HHCS, 3/8-16 x 1-1/4" Gr. 5
13	8307005	3	Washer, Lock 3/8"
14	7139823	1	Hose, Air Cleaner
15	8405306	1	Clamp, T-Bolt
16	8405307	1	Clamp, T-Bolt, Heavy Duty
17	8223527	1	Switch, Vacuum
18	8551001	1	Nipple, Close
19	8405404	1	Clamp, T-Bolt
20	7139824	1	Hose, Air Intake
21	8405402	1	Clamp, Hose Hi Torque
			<u>KITS</u>
22	8024015	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

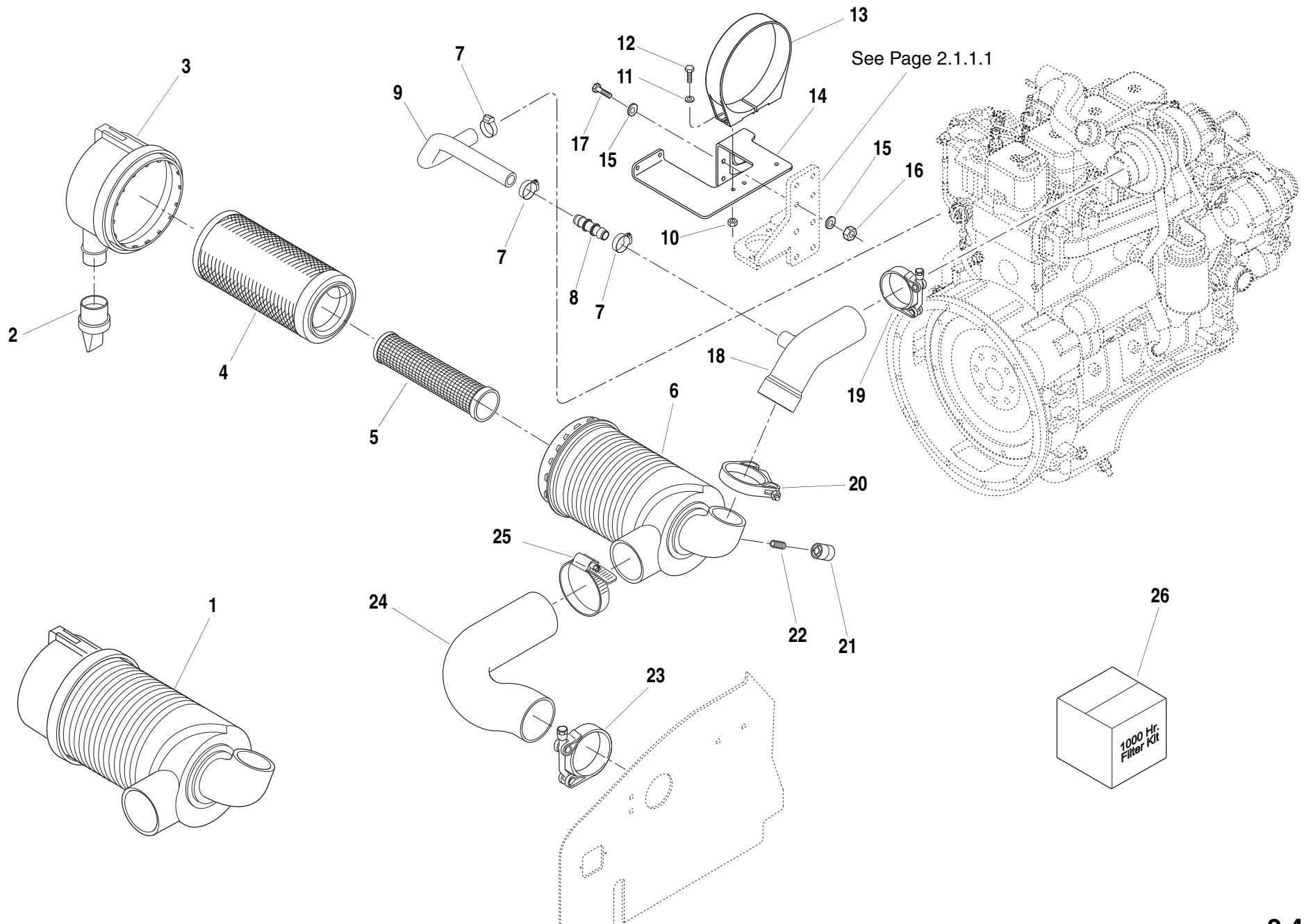
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Tier 1
Tier 2

AIR CLEANER ASSEMBLY

2.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	10268515	1	Air Cleaner Assembly (Includes Items 2 thru 6)
2	8036869	1	Valve, Vacuator
3	8036868	1	Cover Assembly
4	1101312	1	Filter, Primary (Also Included In Kit, Item 26)
5	1101313	1	Filter, Safety (Also Included In Kit, Item 26)
6	N.S.S.	1	Body Assembly (Order Item 1)
7	8405102	3	Clamp, Hose
8	6623930	1	Nipple, Hose
9	6623846	1	Hose, Air Intake, 30"
10	8305626	2	Nut, Hex Lock Elastic 5/16"-18
11	8307106	2	Washer, Flat 5/16" Narrow
12	8303670	2	HHCS, 5/16-18 x 1"
13	10268516	1	Band, Air Cleaner Mounting
14	6623655	1	Plate, Air Cleaner Mount
15	8307110	8	Washer, 3/4" SAE Narrow
16	8305645	4	Nut, Hex Lock Elastic 3/8 -16 NC
17	8303621	4	HHCS, 3/8"-16 x 1-1/2" Gr. 5
18	6623845	1	Hose, Air Intake w/Nipple
19	8405306	1	Clamp, T-Bolt
20	8405307	1	Clamp, T-Bolt, Heavy Duty
21	8223527	1	Switch, Vacuum
22	8551001	1	Nipple, Close
23	8405404	1	Clamp, T-Bolt
24	7139824	1	Hose, Air Intake
25	8405402	1	Clamp, Hose Hi Torque
			KITS
26	8024052	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

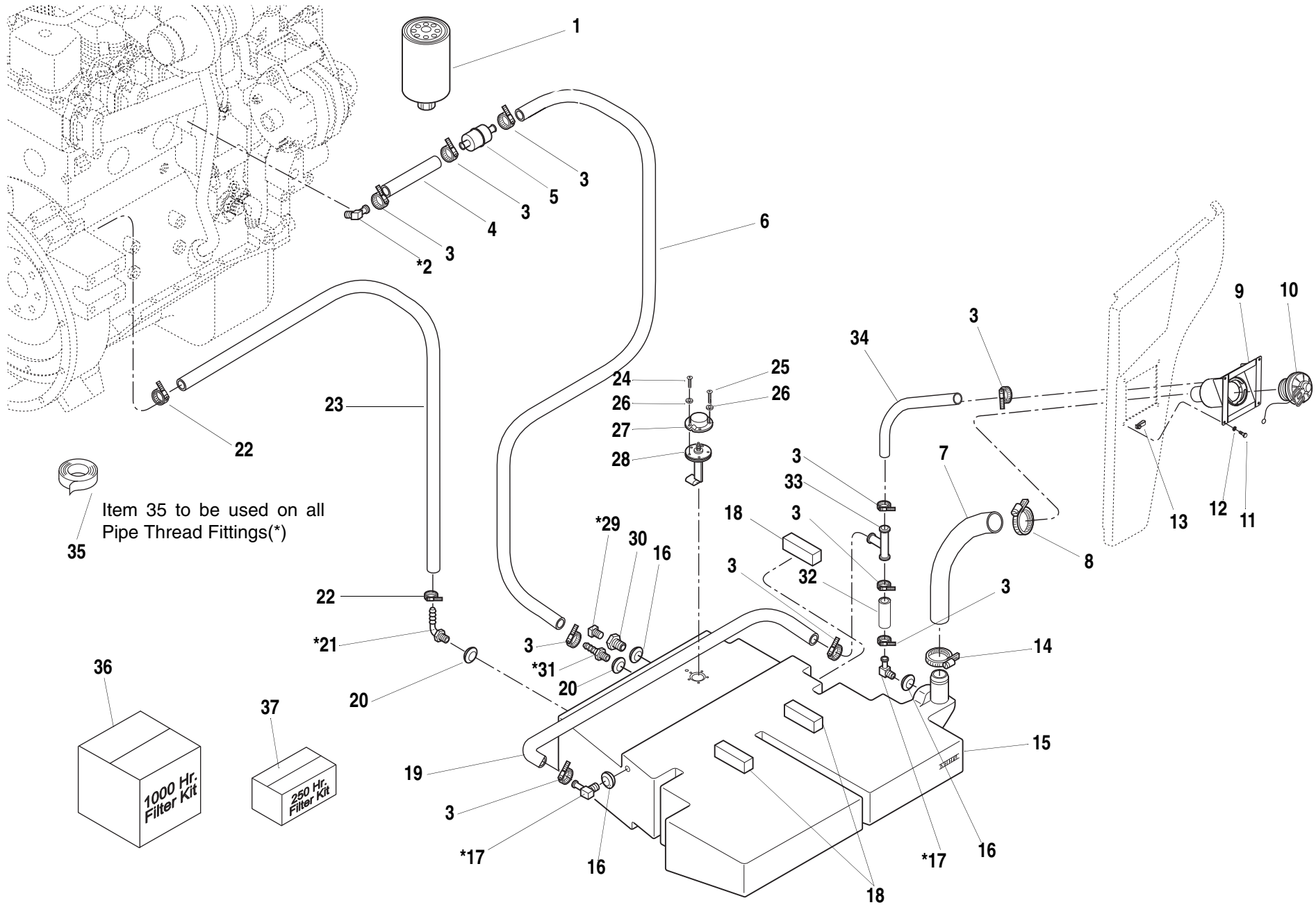
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Tier 1
Tier 2

AIR CLEANER ASSEMBLY

2.4.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8320270	1	Filter, Fuel (Also Included In Filter Kits, Items 36 & 37)
2	8420229	1	Hose Fitting, Elbow, 90°, Barbed, SAE 6-4P
3	8410013	10	Clamp, Hose
4	7132131	1	Hose, Fuel 3/8 x 10"
5	8274022	1	Strainer, Fuel
6	7138850	1	Hose, Fuel 3/8" I.D. (Fuel Supply From Tank)
7	6623670	1	Hose, Special
8	8405202	1	Clamp, Hose
9	6623635	1	Neck, Fuel Filler
10	6623650	1	Cap, Fuel w/Tether
11	8303005	4	HHCS, 1/4-20 NC x 7/8" GR5
12	8307002	4	Washer, Lock 1/4"
13	8310702	4	Retainer, Nut 1/4-20 NC
14	8405202	1	Clamp, Hose, Lower SAE Type F
15	7138736	1	Tank, Fuel
16	8660011	3	Grommet, 5/8 Fitting
17	8430095	2	Elbow, 5/8" Hose
18	5724742	3	Gasket
19	7129121	1	Hose, Fuel Breather
20	8660010	2	Grommet, 3/8 Fitting
21	8430094	1	Elbow, 5/16" Hose
22	8405009	2	Clamp, Hose, Miniature 7/32" Dia.
23	7132111	1	Hose, Fuel Return
24	8303836	1	Screw, Pan Hd. #10-24 x 5/8"
25	8303837	4	Screw, Pan Hd. #10-24 x 3/4"
26	8307003	5	Washer, Lock #10
27	7131992	1	Cover, Fuel Sender
28	7120613	1	Sender, Fuel w/Gasket
29	8541404	1	Plug, Pipe, Sq. Hd. - 3/8" NPT
30	8430092	1	Drain, Hex 3/8-18 NPT
31	8430093	1	Connector, 3/8" Hose
32	7129111	1	Hose, Fuel Breather
33	8430072	1	Hose Fitting, Tee, Beaded, SAE 10
34	7129101	1	Hose, Fuel Breather
35	8526053	A/R	Sealant, Thread, Teflon Tape 1/2"

ITEM	PART NO.	QTY.	DESCRIPTION
			KITS
36	7138288	1	250 Hour Filter Kit (Includes 2 Filters: Engine Oil Filter & Fuel Filter)
37	8024015		1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

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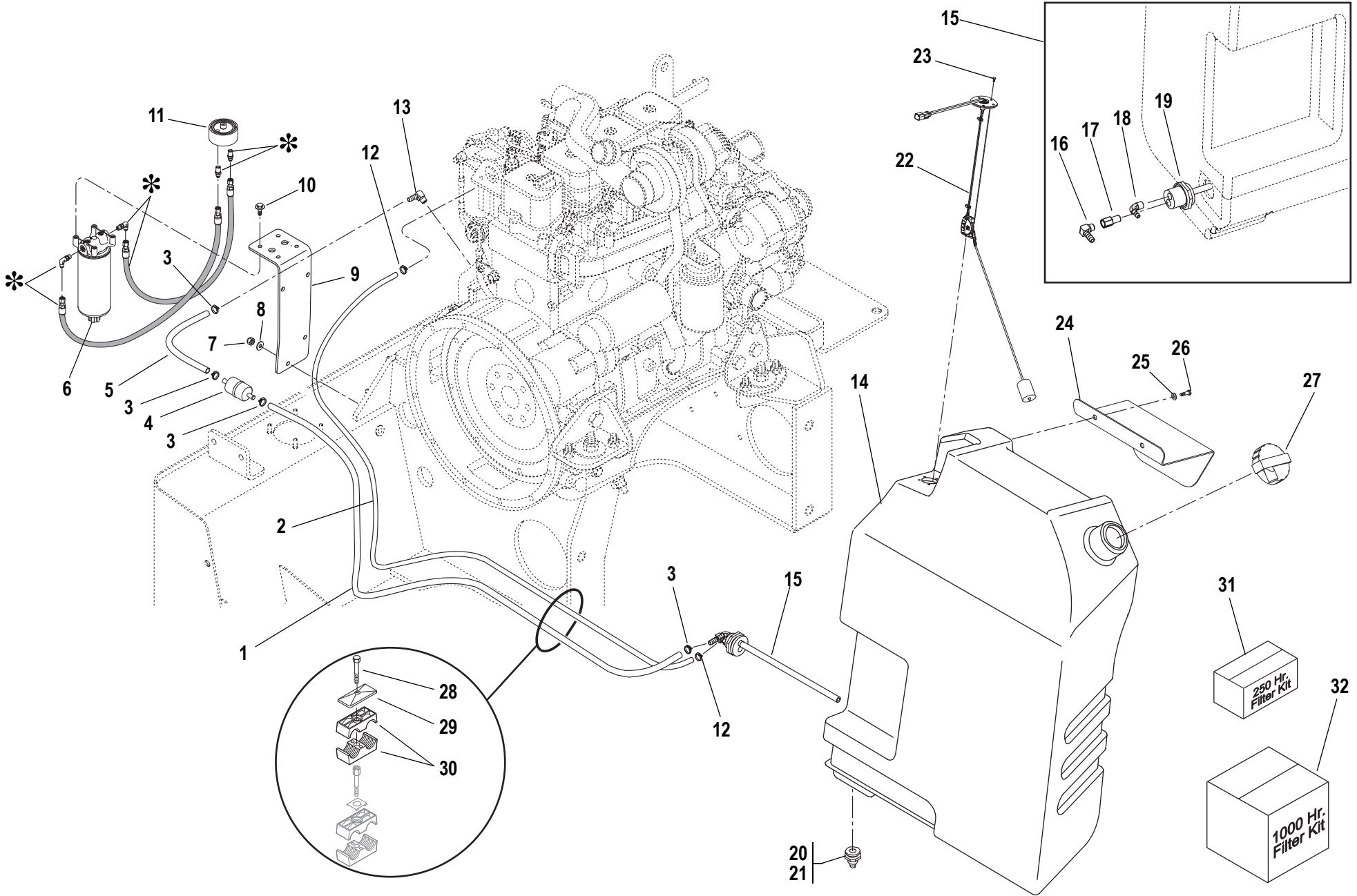
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Tier 1
Tier 2

FUEL SYSTEM

2.5.1



NOTE: Items with an *, are supplied with the engine and are serviced by Cummins.

ITEM	PART NO.	QTY.	DESCRIPTION
1	7300379	1	Hose, Fuel Supply 3/8" x 170"
2	7300378	1	Hose, Fuel Return 5/16" x 190"
3	8410013	4	Clamp, Hose SAE #6
4	8274022	1	Filter, Inline Fuel
5	7300377	1	Hose, Fuel Supply 3/8" x 15 3/4"
6	8320277	1	Filter, Primary Fuel Lubricity
7	8305645	2	Nut,-Hex Lock Elastic, 3/8-16
8	8307110	2	Washer, Plain Narrow, 3/8"
9	6623974	1	Bracket, Fuel Lubricity Filter
10	8310693	4	HHCS, Flange Head, M8-1.25 x 25mm
11	6623938	1	Adapter, Fuel Lubricity Filter
12	8405009	2	Clamp, Hose
13	8420229	1	Elbow, 3/8" Hose
14	7151246	1	Fuel Tank (Includes Items 15 thru 20)
15	8036646	1	Assembly, Bulkhead Fitting, Pick-up-Tubes (Includes Items 16 thru 19)
16	8420229	1	Elbow, 90° Hose Barb #6-4P
17	8530041	1	Adapter, Pipe, Female to Male .250 to .250"
18	10728873	1	Adapter, 90°, 5/16" Hose to 1/4" NPT
19	NSS	1	Tube, Pick-Up (Order Item 15)
20	8036601	1	Plug, Fuel Drain 3/8" NPT
21	70021599	1	Bulkhead
22	7301076	1	Sender, Fuel Level w/Gasket
23	8303515	5	HHCS, M4 x .7 x 10mm PC8.8
24	7300510	1	Support, Top Fuel Tank
25	8307113	2	Washer, Plain
26	8303618	2	HHCS, M2 x 1.75 x 25mm PC8.8
27	6623749	1	Cap, Fuel
28	8303550	1	HHCS, M8 x 1.25 x 60mm PC8.8
29	8750025	1	Cover, Twin Clamp
30	8750027	1	Clamp

ITEM	PART NO.	QTY.	DESCRIPTION
			KITS
31	8024051	1	250Hour Filter Kit (Includes 2 Filters: Engine Oil Filter)
32	8024052	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Inline Fuel Filter, Primary Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

Origin
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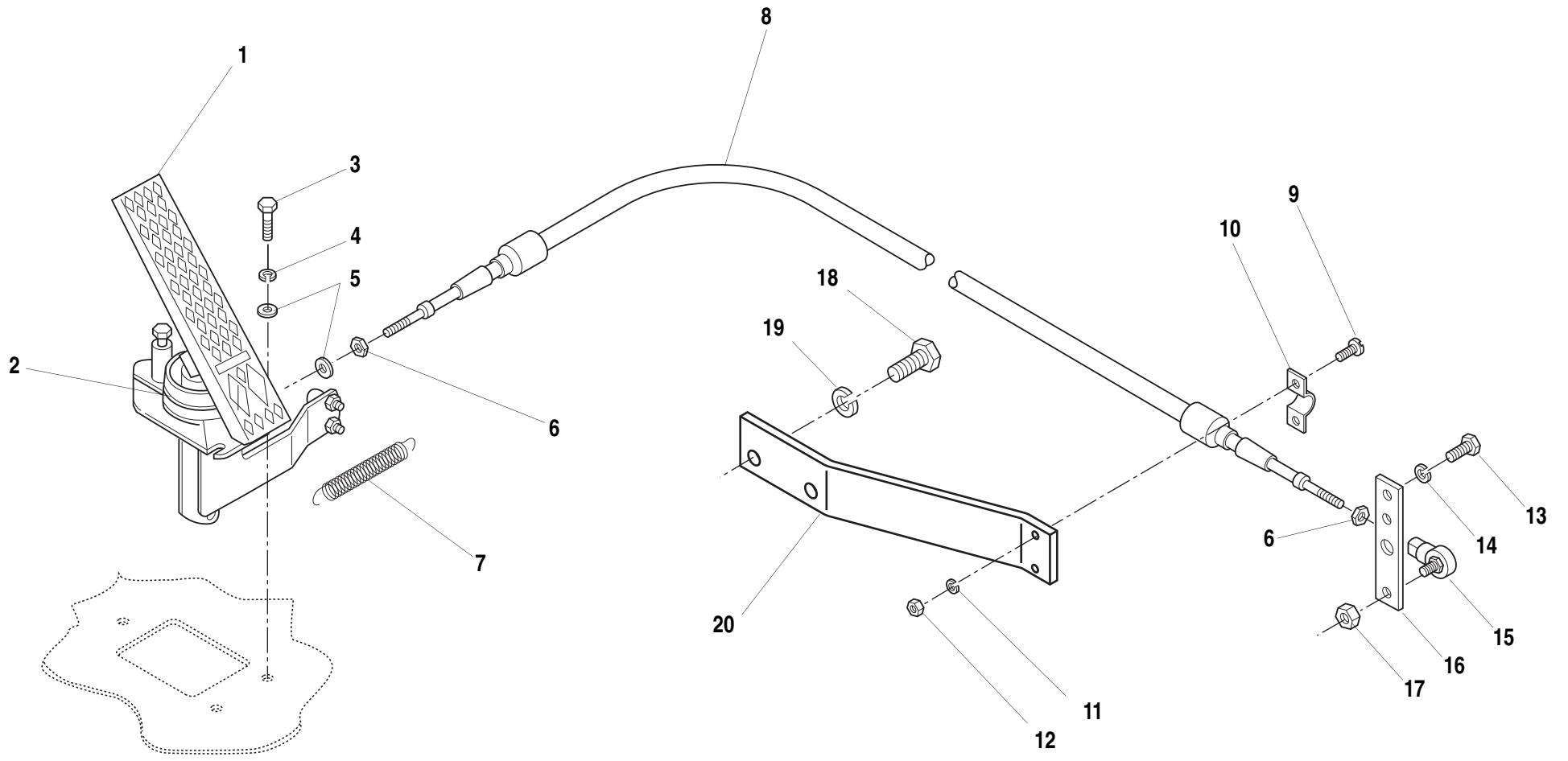
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Tier 1
Tier 2

FUEL SYSTEM

2.5.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8162003	1	Pedal, Throttle (Includes Item 2)
2	8033178	1	Bellows, Throttle Pedal
3	8303615	3	HHCS, 1/4-20 x 1-1/4"
4	8307002	2	Washer, Lock 1/4"
5	8307109	4	Washer, Flat SAE 1/4"
6	8305402	2	Nut, Hex Jam 1/4-28 NF
7	8700116	1	Spring, Extension
8	8160073	1	Cable, Throttle
9	8303837	2	Screw, Slotted Pan Hd. #10-24 x 3/4"
10	8160610	1	Clamp, Cable
11	8307003	2	Washer, Lock #10
12	8305002	2	Nut, Hex #10-24
13	8303799	2	HHCS, M6-1 x 14mm
14	8307024	2	Washer, Lock M6
15	8340034	1	Rod End 1/4-28 Thd.
16	7127091	1	Extension, Throttle Lever
17	8305650	1	Nut, Hex Lock Elastic 1/4-28 NF
18	8303790	2	HHCS, M12-1,75 x 30mm PC 8,8
19	8307025	2	Washer, Lock M12
20	6623508	1	Bracket, Throttle Cable

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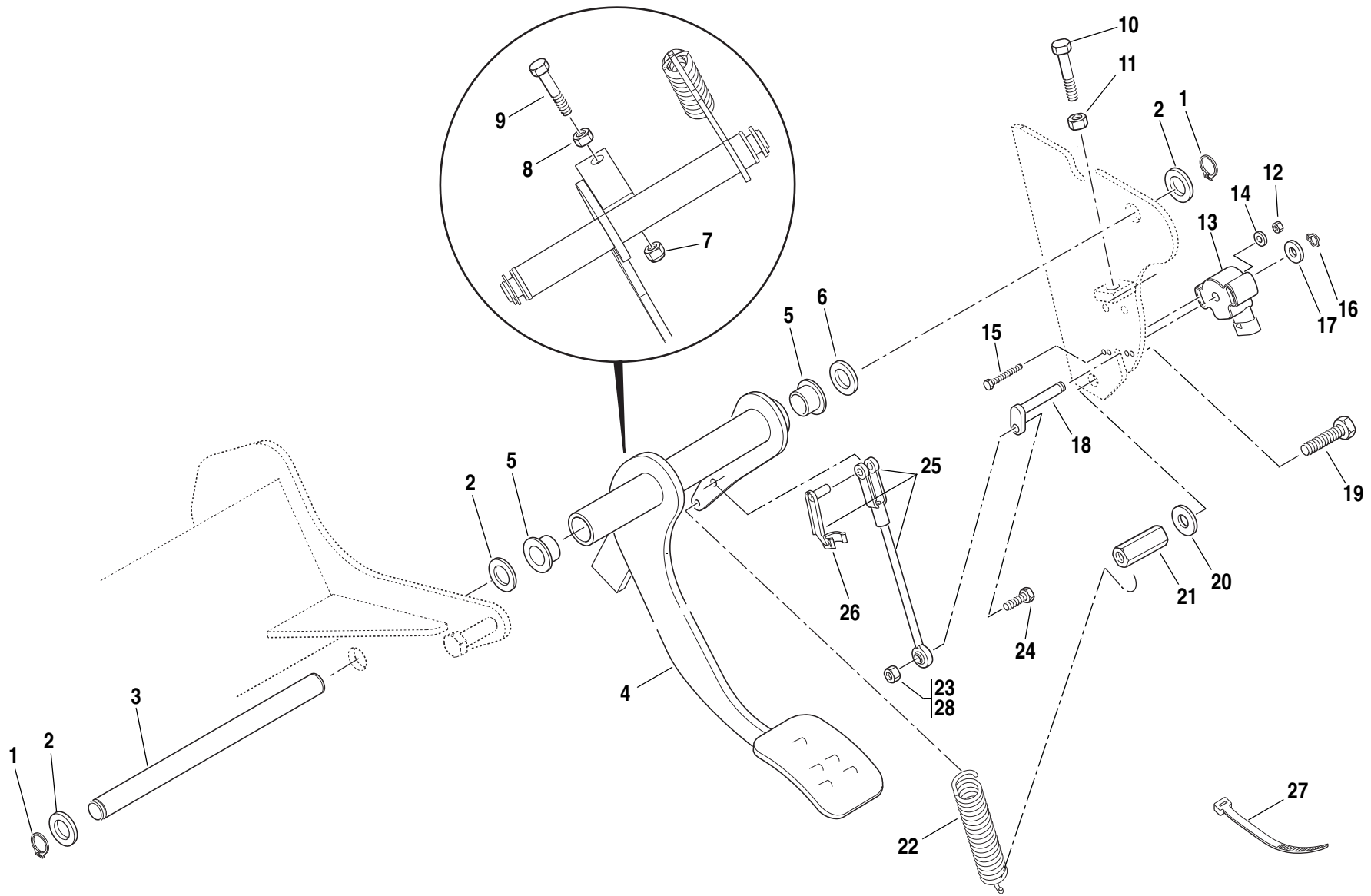
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Tier 1
Tier 2

THROTTLE GROUP ASSEMBLY

2.6.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8630020	2	Snap Ring, .75 Internal Heavy Duty
2	8310508	3	Washer, Shim .755 x .075 x 1.25"
3	7139108	1	Shaft, Pivot
4	7151285	1	Pedal, Accelerator (Includes Item 5)
5	7300143	2	Bushing, Oilite Flange
6	8310507	1	Washer, Shim .755 x .048 x 1.25"
7	8305630	1	Nut, Hex Lock Elastic M10-1.50
8	8305038	1	Nut, Hex M10-1.50
9	8310715	1	HHCS, M10-1.5 x 55mm PC8.8
10	8310716	1	HHCS, M8-1,25 x 55mm PC 8.8
11	8305043	1	Nut, Hex M8-1.25
12	8310410	2	Nut, Hex #8-32 NC
13	7301392	1	Sensor, Throttle, Rotary Postion
14	8310732	2	Washer, Plain, #8
15	8310728	2	Screw, HHCS #8-32 NC x 1.50"
16	8630027	1	Snap Ring, 5/16" External
17	8307202	1	Washer, Plain, .250"
18	7301393	1	Lever, Rotary Position Sensor
19	8303624	1	HHCS, 1/2-13 x 1"
20	8307112	1	Washer, Plain 1/2"
21	8310746	1	Nut, Coupling
22	8700126	1	Spring, Extension 1.00" OD x 7.23" LG
23	8305624	1	Nut, Hex, .250" - 20 NC
24	8303005	1	HHCS, .25-20 NC .875" GR5
25	7301394	1	Throttle Linkage Assembly (Includes Item 26)
26	10138818	1	Yoke End w/Spring Pin
27	8584003	A/R	Tie Wrap
28	0100011	A/R	Loctite, #242, (Apply to Item 23)

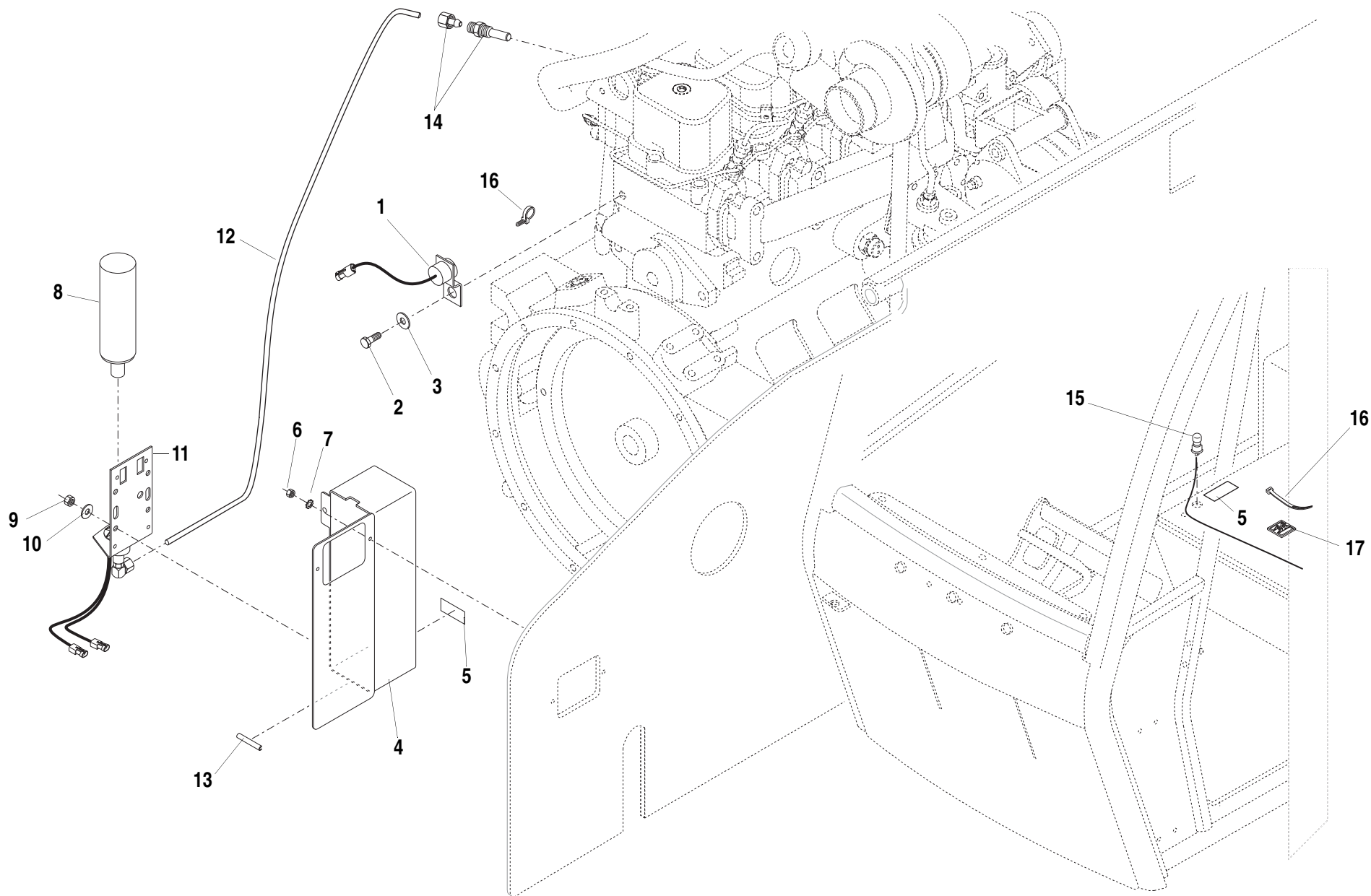
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Tier 1
Tier 2

THROTTLE GROUP ASSEMBLY

2.6.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138806	1	Thermostat, Cold Start
2	8303533	1	HHCS, M12 x 1.75 x 20MM PC 8.8
3	8307025	1	Washer, Lock M12
4	7138950	1	Cover, Cold Start
5	4110253	2	Decal, Cold Start Option
6	8305004	2	Nut, Hex 0.25-20 NC
7	8310002	2	Washer, External Tooth 1/4"
8	8277098	1	Ether Fluid Cylinder 18 oz.
9	8305624	4	Nut, Hex Lock Elastic 1/4"-20
10	8307109	4	Washer, Flat 1/4"
11	7138808	1	Ether Start Solenoid and Backing Plate
12	8403225	1	Tube, Nylon
13	8582406	1	Moulding, Edge
14	8277101	1	Atomizer
15	8223454	1	Switch, Monentary, Push-Button w/cap
16	8584001	8	Tie Wrap
17	8584018	3	Mount, Tie

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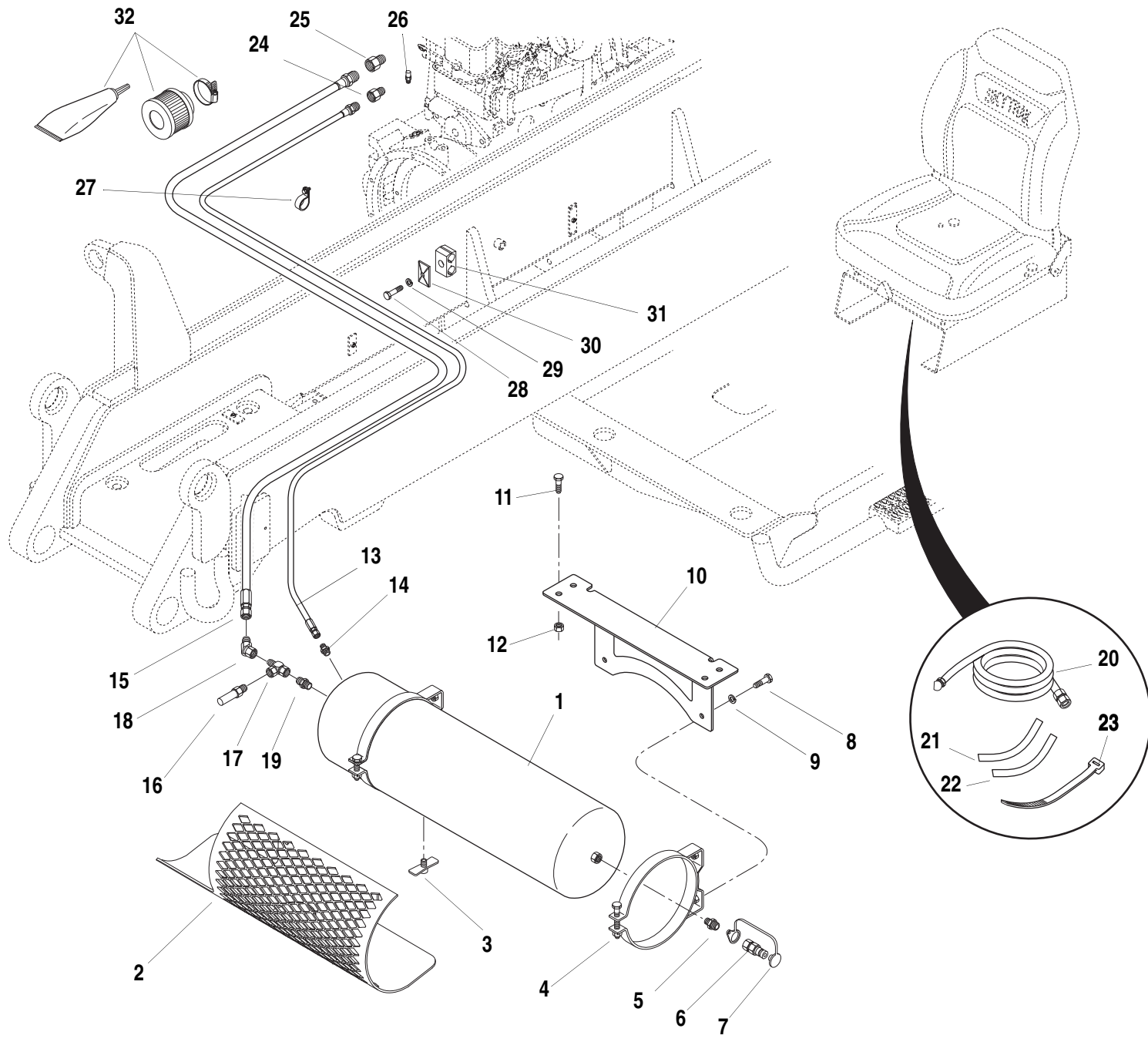
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Tier 1
Tier 2

COLD START SYSTEM

2.7.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623412	1	Tank, Compressed Air
2	6623599	1	Guard, Tank
3	8904001	1	Drain Cock
4	6623491	2	Band Clamp
5	8530012	1	Reducer, Pipe Thread 8P-4P
6	8036542	1	Quick Coupler, 1/4" FNPT
7	8036376	1	Dust Plug
8	8303670	4	HHCS, 5/16"-18 x 1"
9	8307004	4	Washer, Lock 5/16"
10	6623489	1	Bracket, Air Tank
11	8303675	4	HHCS, 3/8"-16 x 1-1/4"
12	8305645	4	Nut, Hex Lock Elastic 3/8-16
13	2716840	1	Hose, Pilot 1/4 x 162"
14	8540011	1	Adapter, Swivel 4P-4P 1/4" NPT
15	2716839	1	Hose, Discharge 3/4 x 162
16	8902855	1	Valve, Compressed Air Relief 150 PSI
17	8530040	1	Tee, Run 8P-8P
18	8540225	1	Elbow, Swivel 45 12P-12P
19	8540028	1	Adapter, Pipe Reducing 12P-8P
20	2716838	1	Hose, Air Inflation
21	6623532	1	Velcro, Tape Strip (Hook)
22	6623533	1	Velcro, Tape Strip (Loop)
23	6623531	1	Strap, Cinch
24	8540030	1	Adapter, Swivel 2P-2P 1/8"NPT
25	8540015	1	Adapter, Swivel 12P-12P 3/4"NPT
26	6623492	1	Muffler (Breather)
27	8406101	1	Tube Clip
28	8303715	1	HHCS, 5/16-18 NC x 1 1/2"
29	8307004	1	Washer, Lock
30	8769128	1	Plate, Cover
31	8750027	1	Clamp Set
32	8320111	1	Filter, Air Compressor (Includes Gear Clamp and Charging Oil) (See Item 10 on Page 11.2.1 for Recharger Filter Care Service Kit)

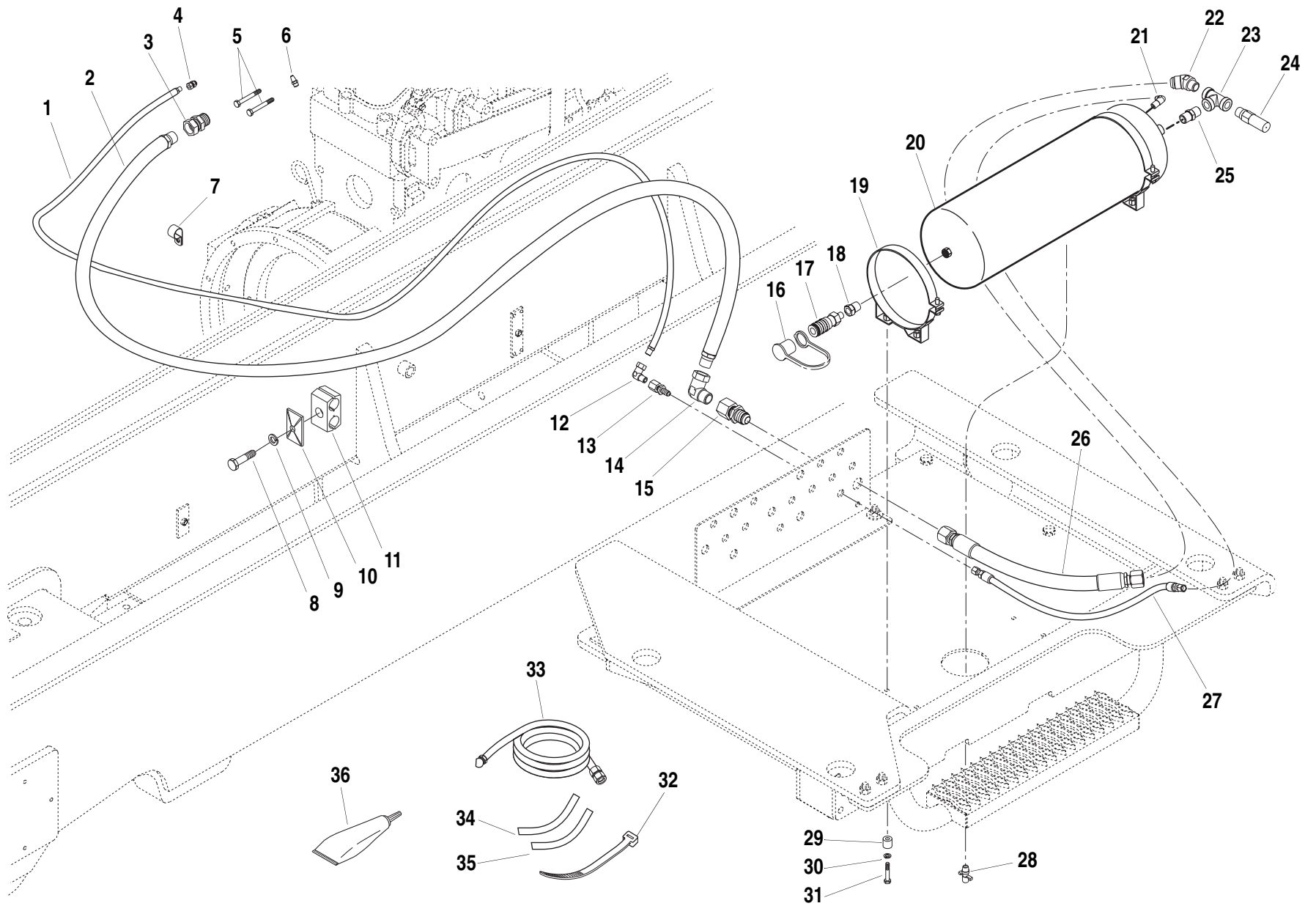
S/N MV006 – MV200

MMV

Tier 1
Tier 2

AIR COMPRESSOR TANK AND HOSES

2.8.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	2717166	1	Hose, Air Compressor Pilot
2	2717165	1	Hose, Air Compressor Discharge
3	8540015	1	Adapter, Swivel 12P - 12P 3/4"
4	8540030	1	Adapter, Swivel 2P - 2P 1/8"
5	8310028	2	HHCS, M8-1.25 x 70mm PC8.8
6	6623492	1	Muffler (Breather)
7	8406201	1	Clip, Tube 1-1/2"
8	8303715	1	HHCS, 5/16-18 NC x 1 1/2"
9	8307004	1	Washer, Lock
10	8769128	1	Plate, Cover
11	8750027	1	Clamp Set
12	8540203	1	Elbow, Swivel 90°, 4NPTF-4NPSM
13	8036532	1	Adapter, Bulkhead, 4FP-4T 37° JIC
14	8540208	1	Elbow, Swivel 90°, 12NPTF-12NPSM
15	8036531	1	Adapter, Bulkhead, 12FP-12T 37° JIC
16	8036376	1	Dust Plug
17	8036542	1	Quick Coupler, 1/4" FNPT
18	8530012	1	Reducer, Pipe Thread 8P-4P
19	6623491	2	Band Clamp
20	6623412	1	Tank, Compressed Air
21	8760228	1	Elbow, 90°, Male, 4NPTF-4T 37° J514
22	8036530	1	Elbow, Swivel 45°, 8MP-12T 37° JIC
23	8540411	1	Tee, Female Pipe, 8FP-8FP-8FP
24	8902855	1	Valve, Compressed Air Relief 150 PSI
25	8540033	1	Nipple, Hex, Male 8MP-8MP
26	2717163	1	Hose, 3/4 x 24"
27	2717164	1	Hose, 1/4 x 24"
28	8904001	1	Drain Cock
29	8310727	4	Spacer, .325 x .75 O.D. x .75
30	8307004	4	Washer, Lock 5/16"
31	8303746	4	HHCS, 5/16-18 NC x 1-3/4" GR5
32	6623531	1	Strap, Cinch
33	2716838	1	Hose, Air Inflation
34	6623532	1	Velcro, Tape Strip (Hook)
35	6623533	1	Velcro, Tape Strip (Loop)
36	8526044	A/R	Sealant, Pipe Thread

Origin
7/07

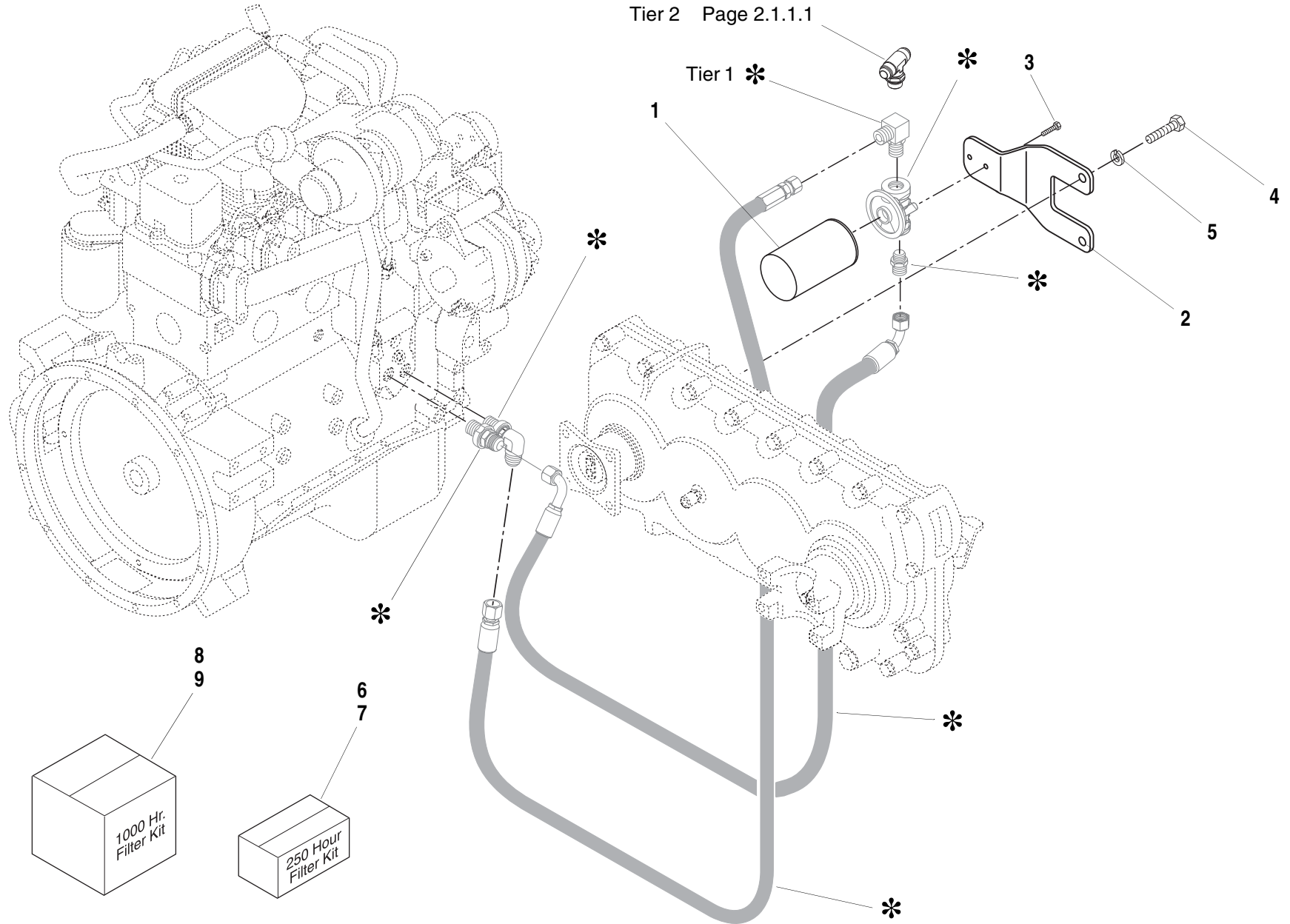
S/N MV201 –

MMV

Tier 1
Tier 2

AIR COMPRESSOR TANK AND HOSES

2.8.1.1



NOTE: Items with an *, are supplied with the engine and are serviced by Cummins.

ITEM	PART NO.	QTY.	DESCRIPTION
1	8320262	1	Filter, Engine Oil (S/N MV006 - MN200) (Also included in Kits, Items 6 & 8)
	8320275		Filter, Engine Oil (S/N MV201 - MV307 & 0160003128 - 0160005934) (Also included in Kits, Items 7 & 9)
2	6623609	1	Bracket, Remote Oil Filter
3	8303611	2	HHCS, M8-1,25 x 30mm PC8.8
4	8310633	2	HHCS, M16-2,0 x 45mm PC8.8
5	1320757	2	Washer, Elastic
			<u>KITS</u>
6	7138288	1	250 Hour Filter Kit (S/N MV006 – MV200) (Includes 2 Filters: Engine Oil Filter & Fuel Filter)
7	8024051	1	250 Hour Filter Kit (S/N MV201 - MV307 & 0160003128 - 0160005934) (Includes 2 Filters: Engine Oil Filter & Fuel Filter)
8	8024015	1	1000 Hour Filter Kit (S/N MV006 – MV200) (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)
9	8024052	1	1000 Hour Filter Kit (S/N MV201 - MV307 & 0160003128 - 0160005934) (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

Rev.
04/07

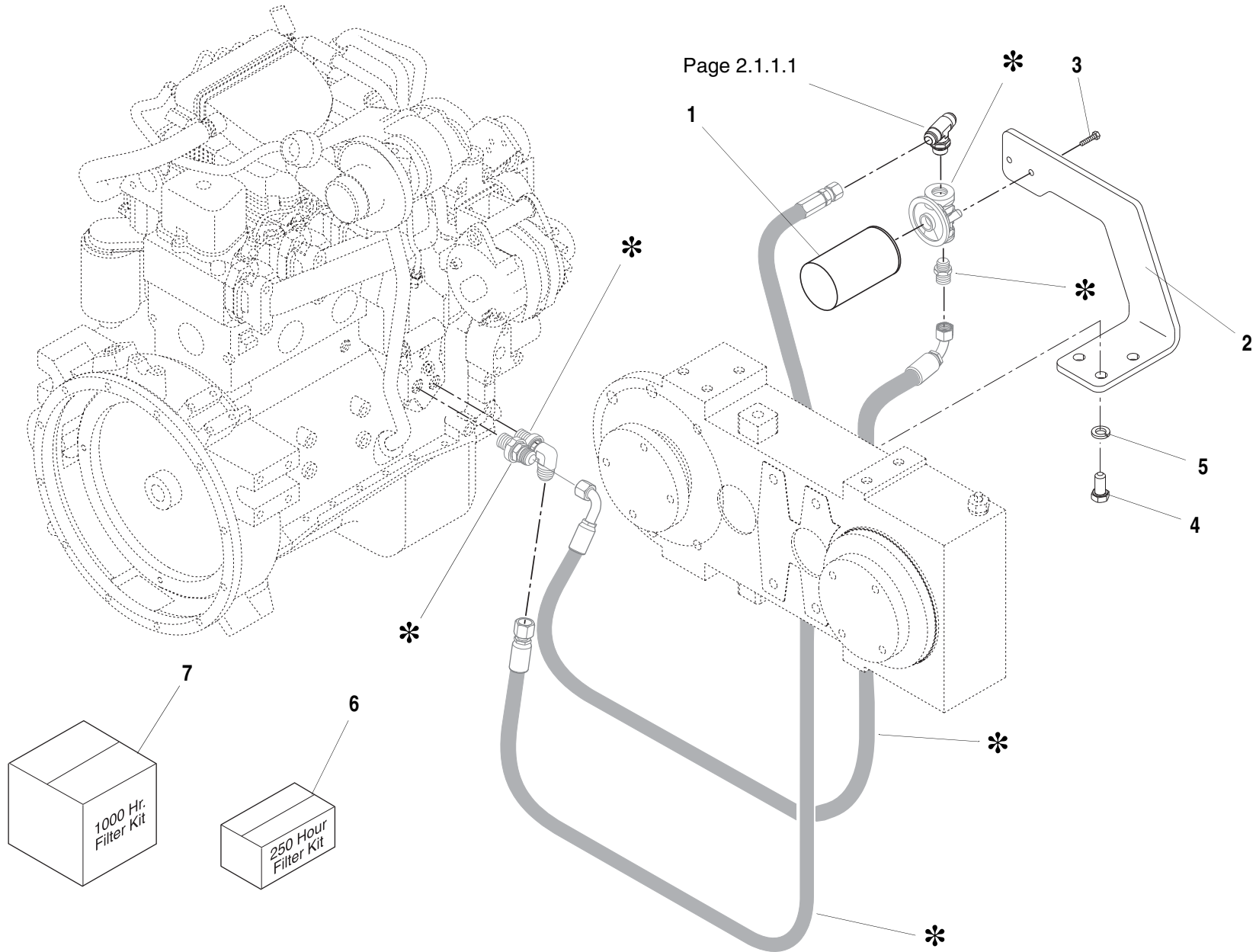
S/N MV006 – MV307 & 0160003128 - 0160005934

MMV

Tier 1
Tier 2

REMOTE OIL FILTER ASSEMBLY

2.9.1



NOTE: Items with an *, are supplied with the engine and are serviced by Cummins.

ITEM	PART NO.	QTY.	DESCRIPTION
1	8320275		Filter, Engine Oil (Also included in Kits, Items 6 & 7)
2	6623981	1	Bracket, Remote Oil Filter
3	8303611	2	HHCS, M8-1,25 x 30mm PC8.8
4	8310248	3	HHCS, M16-2,0 x 45mm PC8.8
5	8310089	3	Washer, Elastic
<u>KITS</u>			
6	8024051	1	250 Hour Filter Kit (Includes 2 Filters: Engine Oil Filter & Fuel Filter)
7	8024052	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Primary Fuel Filter, Inline Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)

Origin
04/07

MMV

Tier 1
Tier 2

S/N 0160005976 -

REMOTE OIL FILTER ASSEMBLY

2.9.1.1

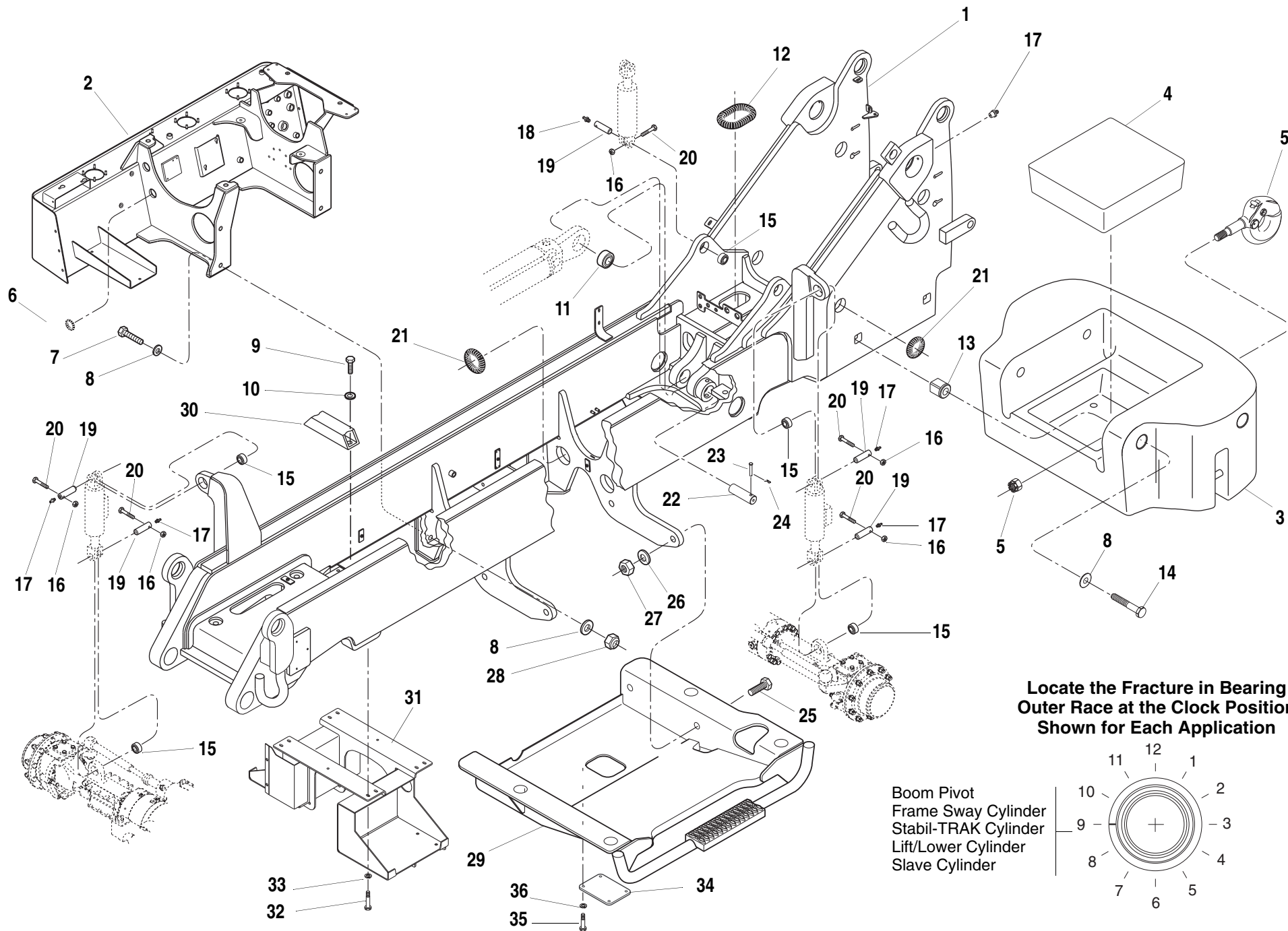
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ITEM	PART NO.	QTY.	DESCRIPTION
1	Call Factory	1	Frame, Main
2	6623383	1	Hydraulic Reservoir/Engine Mount
3	6623405	1	Counterweight (4200 lbs.)
4	7139356	1	Insert, Counterweight (500 lbs.)
5	8382016	1	Pintle Hook, Tow (Includes Nut)
6	7124331	A/R	Conduit 1/2" Dia. (60" Cut to Fit)
7	8303538	4	HHCS, 1"-8 x 3" Gr. 8
8	8310061	12	Washer, 1" Hardened
9	8303693	2	HHCS, 1/2"-13 x 2-1/2"
10	8307112	2	Washer, Flat 1/2"
11	8050007	1	Bearing, Self Align
12	7139248	A/R	Conduit 3/4" Dia (60" Cut to Fit)
13	7139335	4	Bushing
14	8310090	4	HHCS, 1"-8 x 7" Gr. 8
15	8050001	6	Bearing, Self Align 1-1/2" I.D.
16	8305626	6	Nut, Hex Lock 5/16"-18
17	8520001	6	Fitting, Lube 1/8"
18	8520003	2	Fitting, Lube 90°
19	7137142	6	Pin, Frame Sway Cylinder
20	8303752	6	HHCS, 5/16"-18 x 3-1/2"
21	7139249	A/R	Conduit 1" Dia. (60" Cut to Fit)
22	7139324	1	Pin, Lift/Lower Cylinder
23	7139502	1	Pin, Keeper
24	8310211	1	Hair Pin (Cotter) .143
25	8310285	4	HHCS, 1"-8 x 3" Gr. 8
26	8307211	4	Washer, Flat 1-1/4"
27	8310417	4	Nut, Hex Lock 1-1/4"
28	8310481	4	Nut, Hex Lock 1"
29	6623368	1	Mount, Cab
30	5752022	1	Bumper
31	6623395	1	Support, Battery
32	8303697	8	HHCS, 3/8"-16 x 3/4"
33	8307004	8	Washer, Flat 3/8"
34	7138867	1	Plate, Fuel Tank Cover
35	8303620	4	HHCS, 3/8-16 x1"
36	8307005	4	Washer, Lock 3/8"

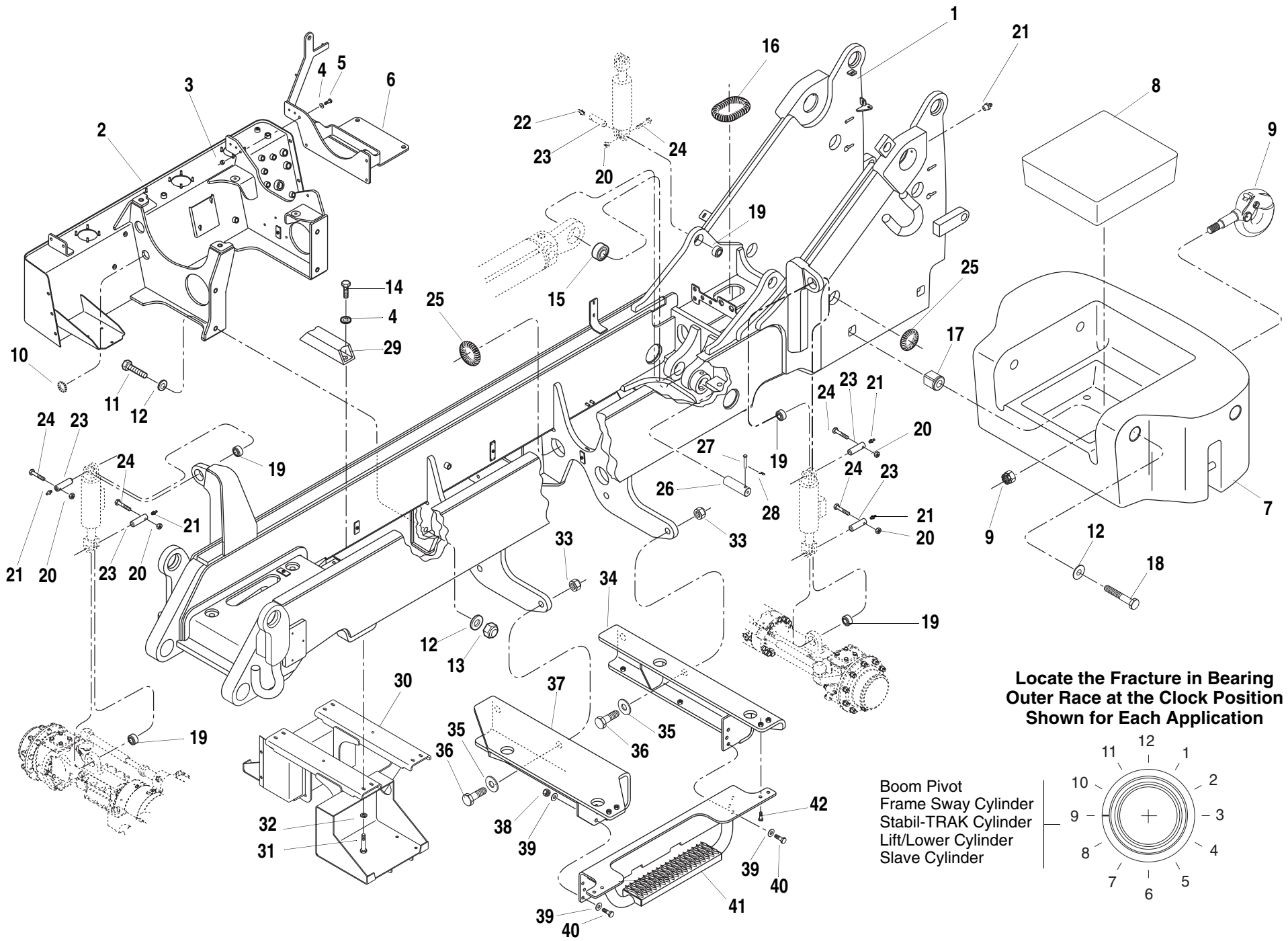
S/N MV006 – MV200

MMV

Tier 1
Tier 2

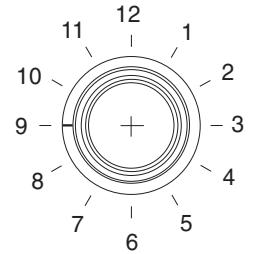
MAIN FRAME ASSEMBLY

3.1.1



**Locate the Fracture in Bearing
Outer Race at the Clock Position
Shown for Each Application**

- Boom Pivot
- Frame Sway Cylinder
- Stabil-TRAK Cylinder
- Lift/Lower Cylinder
- Slave Cylinder



ITEM	PART NO.	QTY.	DESCRIPTION
1	Call Factory	1	Frame, Main
2	6623883	1	Hydraulic Reservoir/Engine Mount
3	8035644	4	Nut, Hex Elastic, 1/2" UNC
4	8307112	6	Washer, Flat 1/2"
5	8303627	4	HHCS, 1/2"-13 x 1-3/4"
6	6623878	1	Bracket, Radiator Mounting
7	6623405	1	Counterweight (4200 lbs.)
8	7139356	1	Insert, Counterweight (500 lbs.)
9	8382016	1	Pintle Hook, Tow (Includes Nut)
10	7124331	A/R	Conduit 1/2" Dia. (60" Cut to Fit)
11	8303538	4	HHCS, 1"-8 x 3" Gr. 8
12	8310061	12	Washer, 1" Hardened
13	8310481	4	Nut, Hex Lock 1"
14	8303693	2	HHCS, 1/2"-13 x 2-1/2"
15	8050007	1	Bearing, Self Align
16	7139248	A/R	Conduit 3/4" Dia (60" Cut to Fit)
17	7139335	4	Bushing
18	8310090	4	HHCS, 1"-8 x 7" Gr. 8
19	8050001	6	Bearing, Self Align 1-1/2" I.D.
20	8305626	6	Nut, Hex Lock 5/16"-18
21	8520001	6	Fitting, Lube 1/8"
22	8520003	2	Fitting, Lube 90°
23	7137142	6	Pin, Frame Sway Cylinder
24	8303752	6	HHCS, 5/16"-18 x 3-1/2"
25	7139249	A/R	Conduit 1" Dia. (60" Cut to Fit)
26	7139324	1	Pin, Lift/Lower Cylinder
27	7139502	1	Pin, Keeper
28	8310211	1	Hair Pin (Cotter) .143
29	5752022	1	Bumper
30	6623633	1	Support, Battery
31	8303697	8	HHCS, 3/8"-16 x 3/4"
32	8307004	8	Washer, Flat 3/8"
33	8310417	4	Nut, Hex Elastic Lock 1-1/4"-7 NC
34	6623625	1	Support, Rear Cab
35	8307211	4	Washer, Plain 1-1/4" Wide
36	8310285	4	HHCS, 1-1/4"-7 NC x 4" GR8

ITEM	PART NO.	QTY.	DESCRIPTION
37	6623621	1	Support, Front Cab
38	8310625	6	Nut, Hex Elastic Lock M12-1.75
39	8310308	12	Washer, Heavy, Hardened 1/2" I.D.
40	8310730	6	HHCS, M12-1.75 x 45mm PC10.9
41	6623751	1	Step, Cab Mount
42	8303519	4	HHCS, M12-1.75 x 35mm PC8.8

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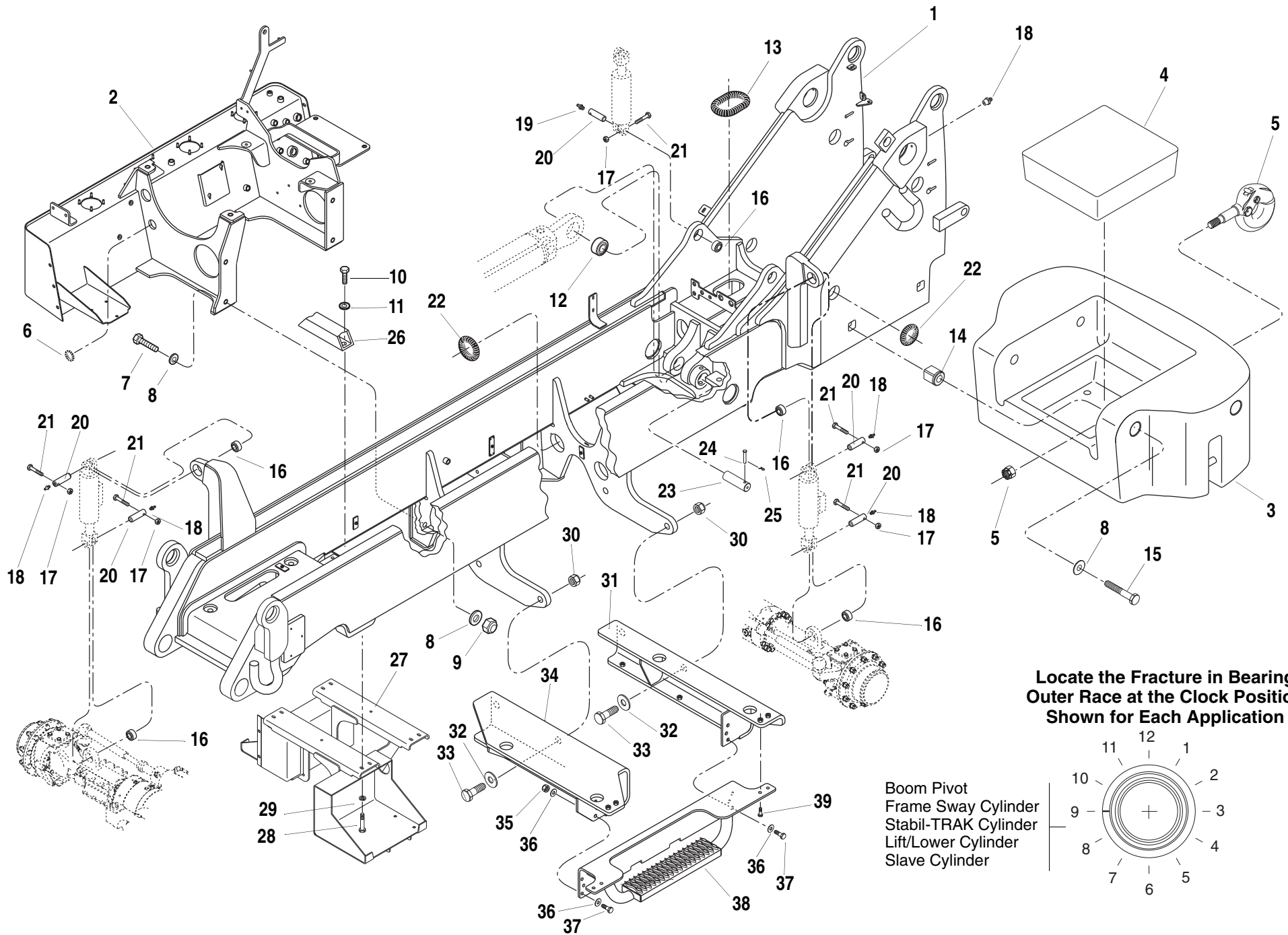
S/N MV201 – MV215

MMV

Tier 1
Tier 2

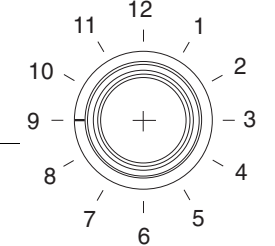
MAIN FRAME ASSEMBLY

3.1.1.1



**Locate the Fracture in Bearing
Outer Race at the Clock Position
Shown for Each Application**

- Boom Pivot
- Frame Sway Cylinder
- Stabil-TRAK Cylinder
- Lift/Lower Cylinder
- Slave Cylinder



ITEM	PART NO.	QTY.	DESCRIPTION
1	Call Factory	1	Frame, Main
2	6623883	1	Hydraulic Reservoir/Engine Mount
3	6623405	1	Counterweight (4200 lbs.)
4	7139356	1	Insert, Counterweight (500 lbs.)
5	8382016	1	Pintle Hook, Tow (Includes Nut)
6	7124331	A/R	Conduit 1/2" Dia. (60" Cut to Fit)
7	8303538	4	HHCS, 1"-8 x 3" Gr. 8
8	8310061	12	Washer, 1" Hardened
9	8310481	4	Nut, Hex Lock 1"
10	8303693	2	HHCS, 1/2"-13 x 2-1/2"
11	8307112	2	Washer, Flat 1/2"
12	8050007	1	Bearing, Self Align
13	7139248	A/R	Conduit 3/4" Dia (60" Cut to Fit)
14	7139335	4	Bushing
15	8310090	4	HHCS, 1"-8 x 7" Gr. 8
16	8050001	6	Bearing, Self Align 1-1/2" I.D.
17	8305626	6	Nut, Hex Lock 5/16"-18
18	8520001	6	Fitting, Lube 1/8"
19	8520003	2	Fitting, Lube 90°
20	7137142	6	Pin, Frame Sway Cylinder
21	8303752	6	HHCS, 5/16"-18 x 3-1/2"
22	7139249	A/R	Conduit 1" Dia. (60" Cut to Fit)
23	7139324	1	Pin, Lift/Lower Cylinder
24	7139502	1	Pin, Keeper
25	8310211	1	Hair Pin (Cotter) .143
26	5752022	1	Bumper
27	6623633	1	Support, Battery
28	8303697	8	HHCS, 3/8"-16 x 3/4"
29	8307004	8	Washer, Flat 3/8"
30	8310417	4	Nut, Hex Elastic Lock 1-1/4"-7 NC
31	6623625	1	Support, Rear Cab
32	8307211	4	Washer, Plain 1-1/4" Wide
33	8310285	4	HHCS, 1-1/4"-7 NC x 4" GR8
34	6623621	1	Support, Front Cab
35	8310625	6	Nut, Hex Elastic Lock M12-1.75
36	8310308	12	Washer, Heavy, Hardened 1/2" I.D.

ITEM	PART NO.	QTY.	DESCRIPTION
37	8310730	6	HHCS, M12-1.75 x 45mm PC10.9
38	6623751	1	Step, Cab Mount
39	8303519	4	HHCS, M12-1.75 x 35mm PC8.8

Origin
6/03

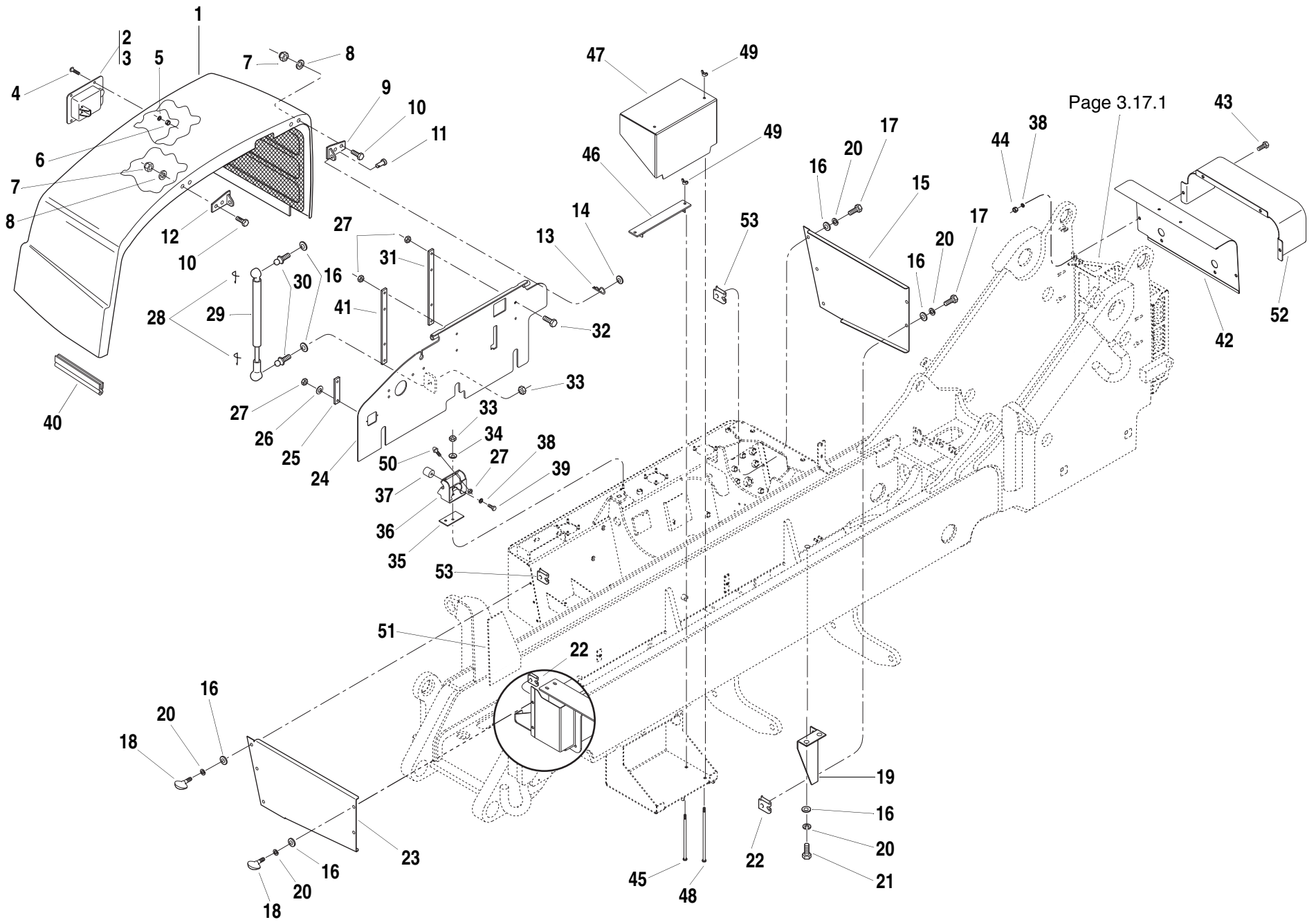
MMV

Tier 1
Tier 2

S/N MV216 –

MAIN FRAME ASSEMBLY

3.1.1.2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623353	1	Hood, Engine (Includes Items 2 thru 6)
2	8342425	1	Handle, Outside Door (Includes 2 ea. of Item 3)
3	8342808	2	Key, Handle, Outside Door (Not Shown)
4	8310583	4	BHCS, #10-24 x 7/8"
5	8307111	4	Washer, Plain, #10 SAE Narrow
6	8310085	4	Nut, Hex Lock, #10 x 24
7	8305624	4	Nut, Hex Lock Elastic 1/4"-20
8	8307109	4	Washer, Flat SAE Light 1/4"
9	6623592	1	Hinge, Hood - Rear
10	8303615	4	HHCS, 1/4"-20 x 1-1/4" Gr. 5
11	8310334	2	Pin, Clevis 3/8" Dia. x 1 3/8" LG
12	6623591	1	Hinge, Hood - Front
13	8302470	2	Pin, Cotter
14	8307110	2	Washer, Flat 3/8" Narrow
15	6623873	1	Cover, Engine - Rear
16	8307106	16	Washer, Flat 5/16"
17	8303670	5	HHCS, 5/16"-18 x 1"
18	8310582	5	Screw, Thumb, 5/16"-18 x 1"
19	7138829	1	Bracket, Cover - Rear
20	8307004	12	Washer, Lock 5/16"
21	8303744	2	HHCS, 5/16"-18 x 1/2"
22	8305906	4	Nut, Retainer 5/16"-18
23	6623351	1	Cover, Engine - Front
24	6623423	1	Panel, Engine
25	7138843	1	Stiffener, Flat
26	8307206	2	Washer, Flat 1/2" Wide
27	8305644	12	Nut, Hex Lock Elastic 1/2"-13
28	8702157	4	Spring, Clip
29	8702160	2	Spring, Gas
30	8340035	4	Ball Stud - 13mm
31	7138342	1	Stiffener, Flat
32	8303626	4	HHCS, 1/2"-13 x 1-1/2" Gr. 5
33	8305626	6	Nut, Hex Lock Elastic 5/16"-18
34	8307203	2	Washer, Flat 5/16"
35	6623593	1	Shim, Latch Bracket
36	7139997	1	Bracket, Striker

ITEM	PART NO.	QTY.	DESCRIPTION
37	8660012	1	Bumper
38	8307005	5	Washer, Lock 3/8"
39	8303681	1	HHCS, 3/8"-16 x 3/4"
40	6620751	1	Moulding, Edge
41	7138682	1	Stiffener, Flat
42	6623378	1	Cover
43	8303620	4	HHCS, 3/8"-16 x 1"
44	8305008	4	Nut, Hex, 3/8"-16
45	8310316	4	Bolt-carriage 3/8"-16 x 9 1/2"
46	6623418	2	Battery Hold Down
47	6623417	2	Cover, Battery
48	8310233	4	Bolt-carriage 3/8"-16 x 11"
49	8310167	8	Wing Nut
50	7139999	2	Dowel Pin
51	7139935	1	Bumper Pad, Rubber
52	6623602	1	Guard, Light, Rear
53	8310374	6	Nut, Retainer, .312-18

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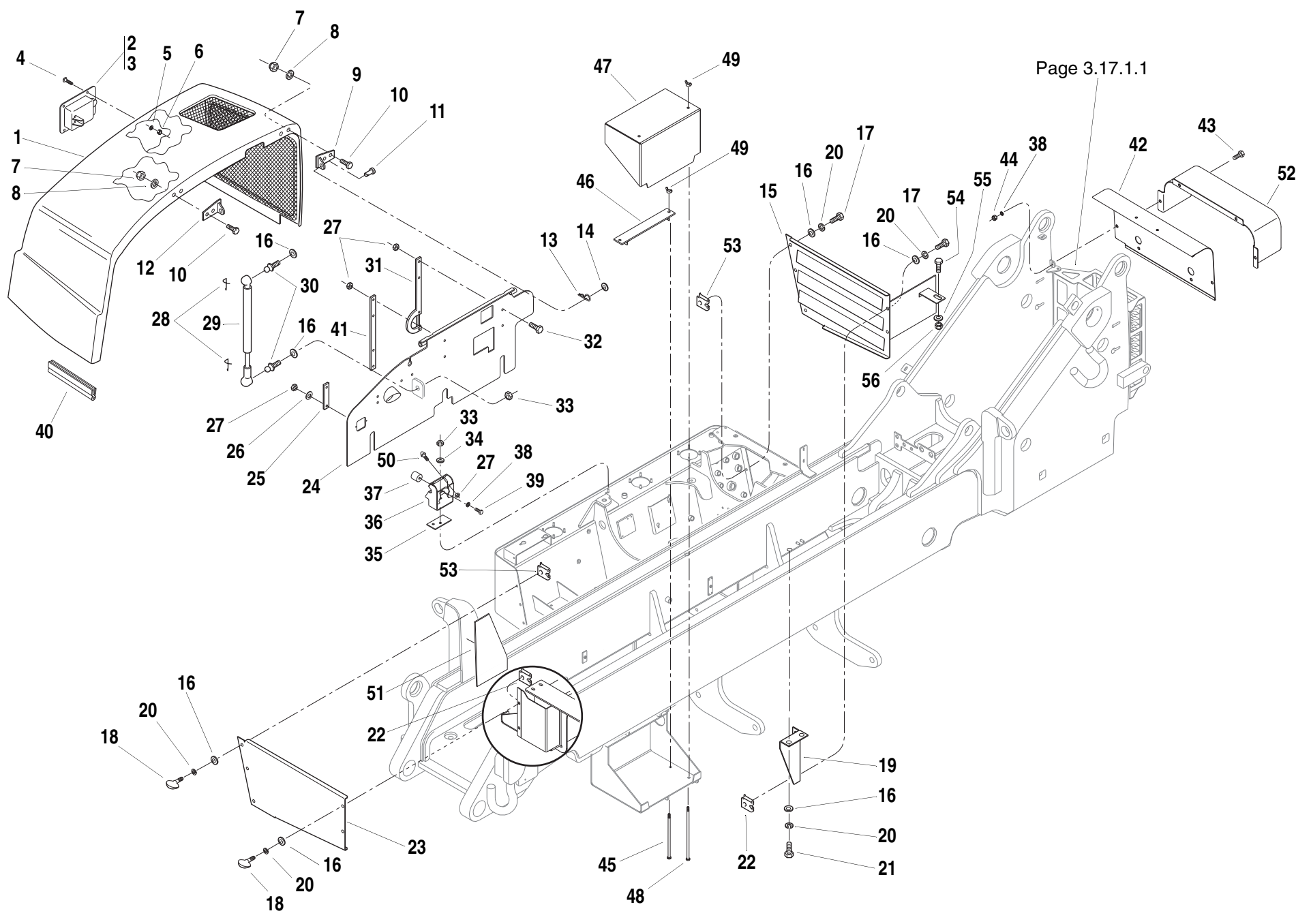
S/N MV006 - MV200

MMV

Tier 1
Tier 2

ENGINE HOOD AND COVERS

3.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623899	1	Hood, Engine (Includes Items 2 thru 6)
2	8342425	1	Handle, Outside Door (Includes 2 ea. of Item 3)
3	8342808	2	Key, Handle, Outside Door (Not Shown)
4	8310583	4	BHCS, #10-24 x 7/8"
5	8307111	4	Washer, Plain, #10 SAE Narrow
6	8310085	4	Nut, Hex Lock, #10 x 24
7	8305624	4	Nut, Hex Lock Elastic 1/4"-20
8	8307109	4	Washer, Flat SAE Light 1/4"
9	6623592	1	Hinge, Hood - Rear
10	8303615	4	HHCS, 1/4"-20 x 1-1/4" Gr. 5
11	8310334	2	Pin, Clevis 3/8" Dia. x 1-3/8" LG
12	6623591	1	Hinge, Hood - Front
13	8302470	2	Pin, Cotter
14	8307110	2	Washer, Flat 3/8" Narrow
15	6623873	1	Cover, Engine - Rear
16	8307106	12	Washer, Flat 5/16"
17	8303670	5	HHCS, 5/16"-18 x 1"
18	8310582	5	Screw, Thumb, 5/16"-18 x 1"
19	7138829	1	Bracket, Cover - Rear
20	8307004	12	Washer, Lock 5/16"
21	8303744	2	HHCS, 5/16"-18 x 1/2"
22	8305906	4	Nut, Retainer 5/16"-18
23	6623351	1	Cover, Engine - Front
24	6623871	1	Panel, Engine
25	7138843	1	Stiffener, Flat
26	8307206	2	Washer, Flat 1/2"
27	8305644	12	Nut, Hex Lock Elastic 1/2"-13
28	8702157	4	Spring, Clip
29	8702160	2	Spring, Gas
30	8340035	4	Ball Stud - 13mm
31	6623896	1	Stiffener, Flat
32	8303626	6	HHCS, 1/2"-13 x 1-1/2" Gr. 5
33	8305626	6	Nut, Hex Lock Elastic 5/16"-18
34	8307203	2	Washer, Flat 5/16"
35	6623593	1	Shim, Latch Bracket
36	6623906	1	Bracket, Striker

ITEM	PART NO.	QTY.	DESCRIPTION
37	8660012	1	Bumper
38	8307005	5	Washer, Lock 3/8"
39	8303681	1	HHCS, 3/8"-16 x 3/4"
40	6620751	1	Moulding, Edge
41	7138682	1	Stiffener, Flat
42	6623378	1	Cover
43	8303620	4	HHCS, 3/8"-16 x 1"
44	8305008	4	Nut, Hex, 3/8"-16
45	8310316	4	Bolt-carriage 3/8"-16 x 9-1/2"
46	6623418	2	Battery Hold Down
47	6623417	2	Cover, Battery
48	8310233	4	Bolt-carriage 3/8"-16 x 11"
49	8310167	8	Wing Nut
50	7139999	2	Dowel Pin
51	7139935	1	Bumper Pad, Rubber
52	6623602	1	Guard, Light, Rear
53	8310374	6	Nut, Retainer 5/16"-18
54	8303625	1	HHCS, 1/2"-13 x 1-1/4" Gr. 5
55	8307112	1	Washer, Plain 1/2" Narrow
56	8305012	1	Nut, Hex, 1/2"-13

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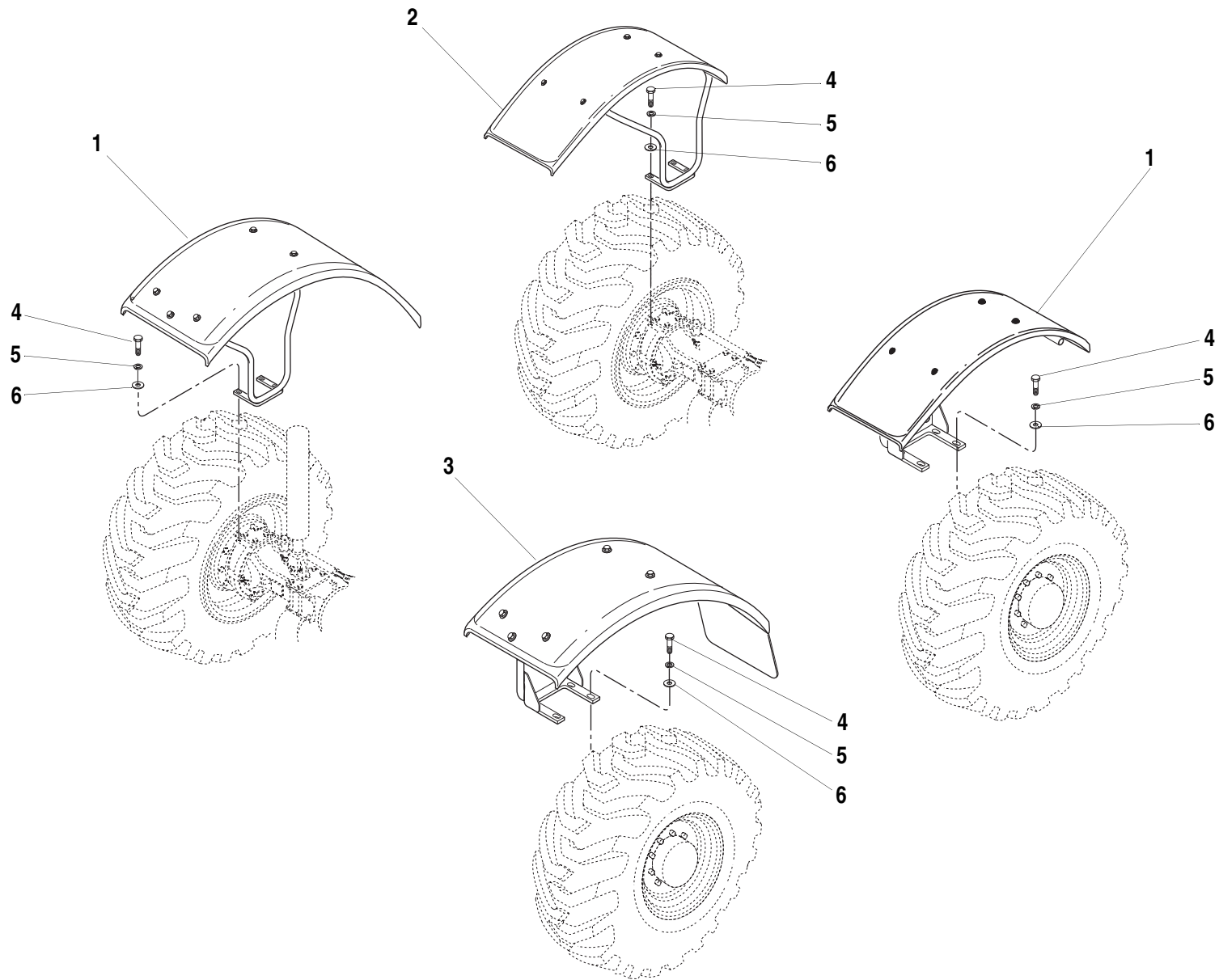
S/N MV201 -

MMV

Tier 1
Tier 2

ENGINE HOOD AND COVERS

3.2.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623665	2	Fender Assembly <u>Left Rear/Right Front</u>
2	6623666	1	Fender Assembly <u>Right Rear</u>
3	6623579	1	Fender Assembly <u>Left Front</u>
4	8310164	16	HHCS, M12-1,75 x 40mm
5	8307025	16	Washer, Lock M12
6	8310308	16	Washer, Heavy, Hardened, 1/2"

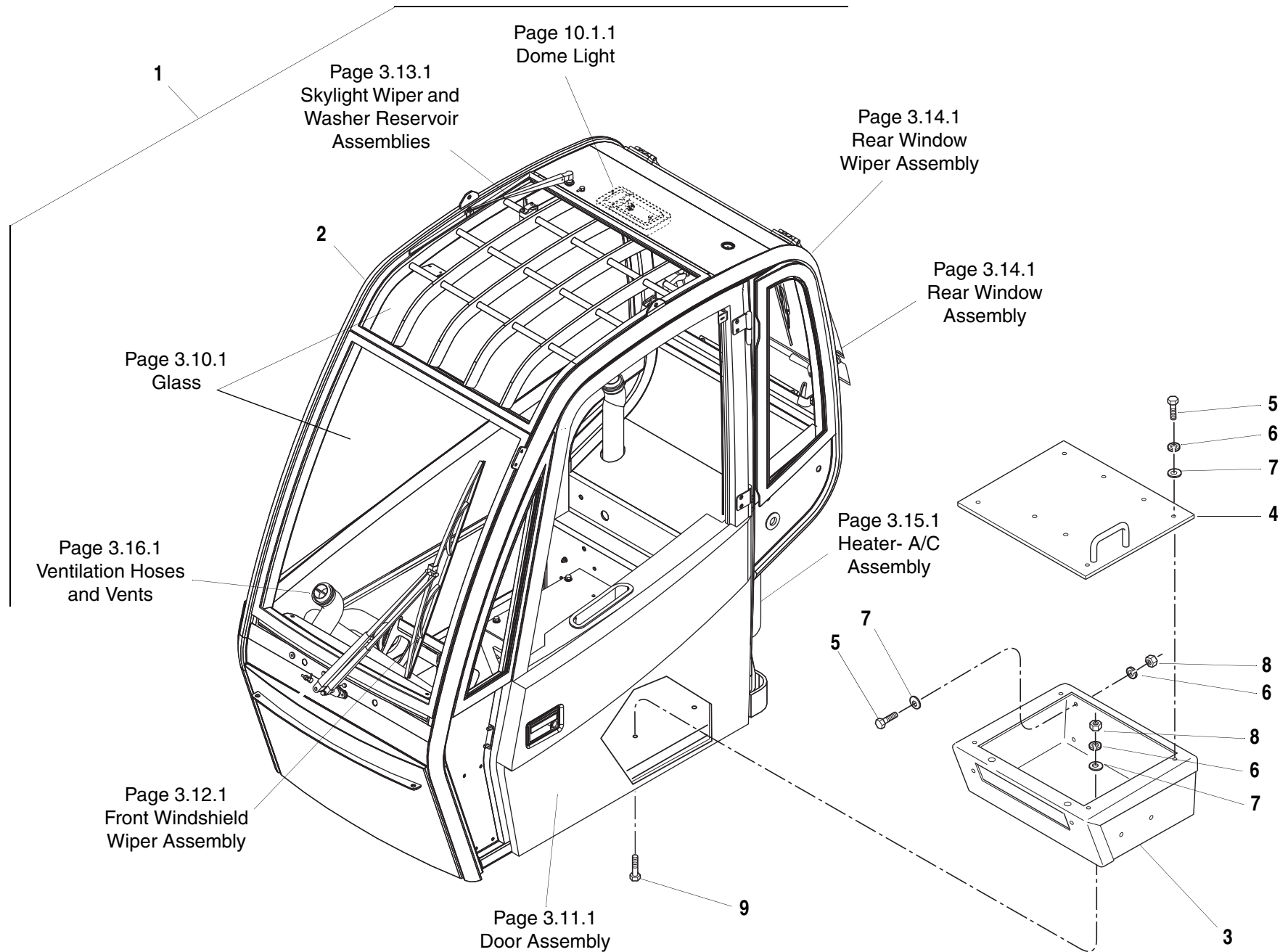
Rev.
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S/N MV006 –

MMV
Tier 1
Tier 2

FENDER ASSEMBLY

3.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623411	1	Enclosed Cab Assembly (Includes Items 2 thru 9 and also Items called out on Art Page.)
2	6623428	1	Operator's Protective Structure Weldment Carc Green ROPS/FOPS
3	8036349	1	Seat Support
4	8036350	1	Cover, Support w/Grab Handle
5	8310525	6	Screw, HHC 3/8"-16 NC x 1" Gr. 8
6	8307005	8	Washer, Lock 3/8"
7	8307110	8	Washer, Plain .375-16 NC x 1" Gr. 2
8	8305008	4	Nut, Hex .375-16 NC
9	8304006	2	Bolt, Carriage 3/8"-16 NC x 1" Gr. 2

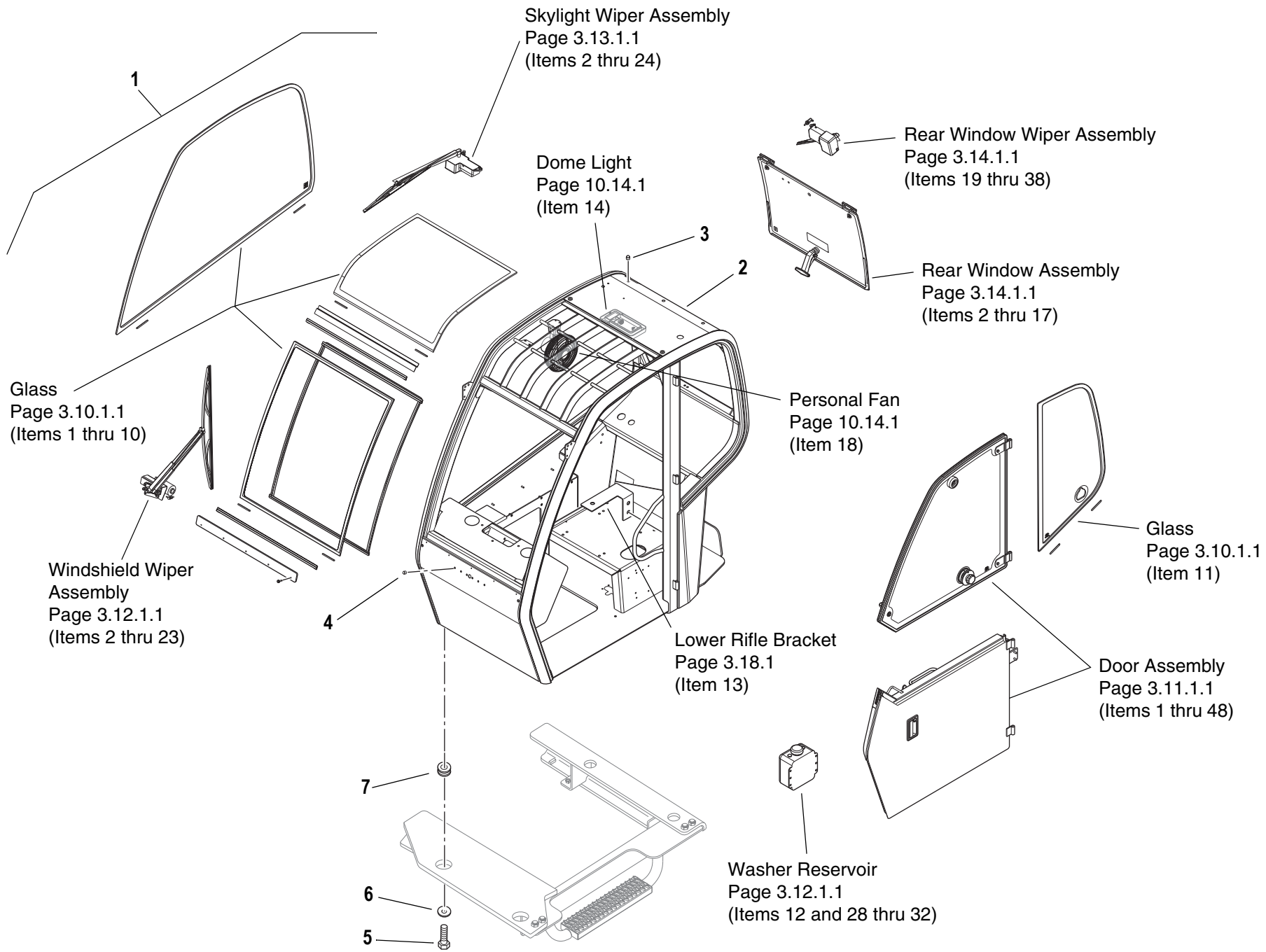
S/N MV006 – MV200

MMV

Tier 1
Tier 2

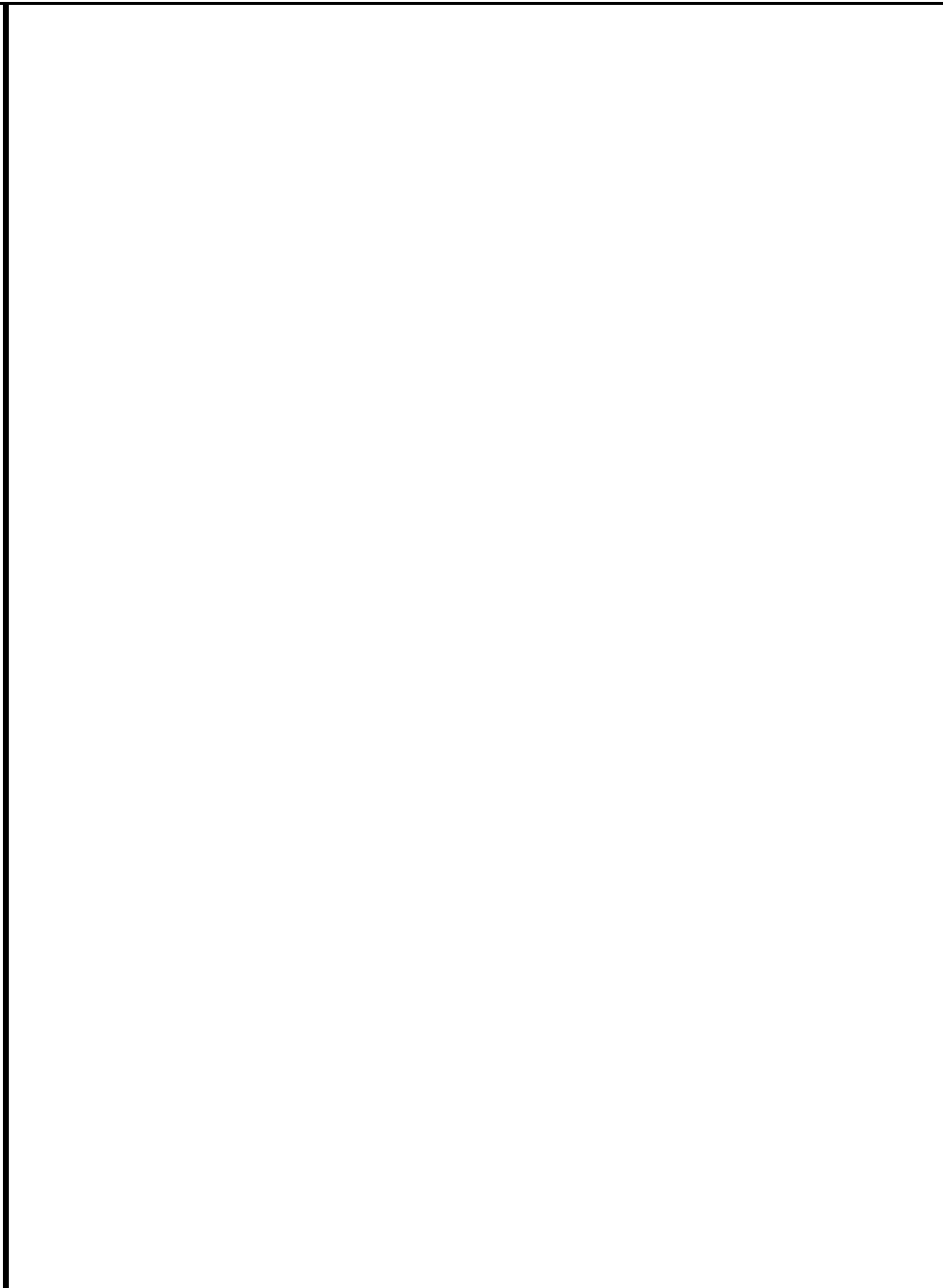
OPERATOR'S PROTECTIVE STRUCTURE - ROPS/FOPS

3.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623773	1	Cab Assembly, Enclosed (Includes Items 2 thru 4 and all items shown on art page)
2	6623774	1	Weldment, Cab
3	8035640	3	Plug, Hole, .375" Dia. Black
4	8036654	2	Plug, Round Push-in, .315" Dia.
5	8310375	4	HHCS, 3/4-10 NC x 3-3/4" Gr. 8
6	7129441	4	Washer, Rebound
7	8278041	4	Isolator, Cab

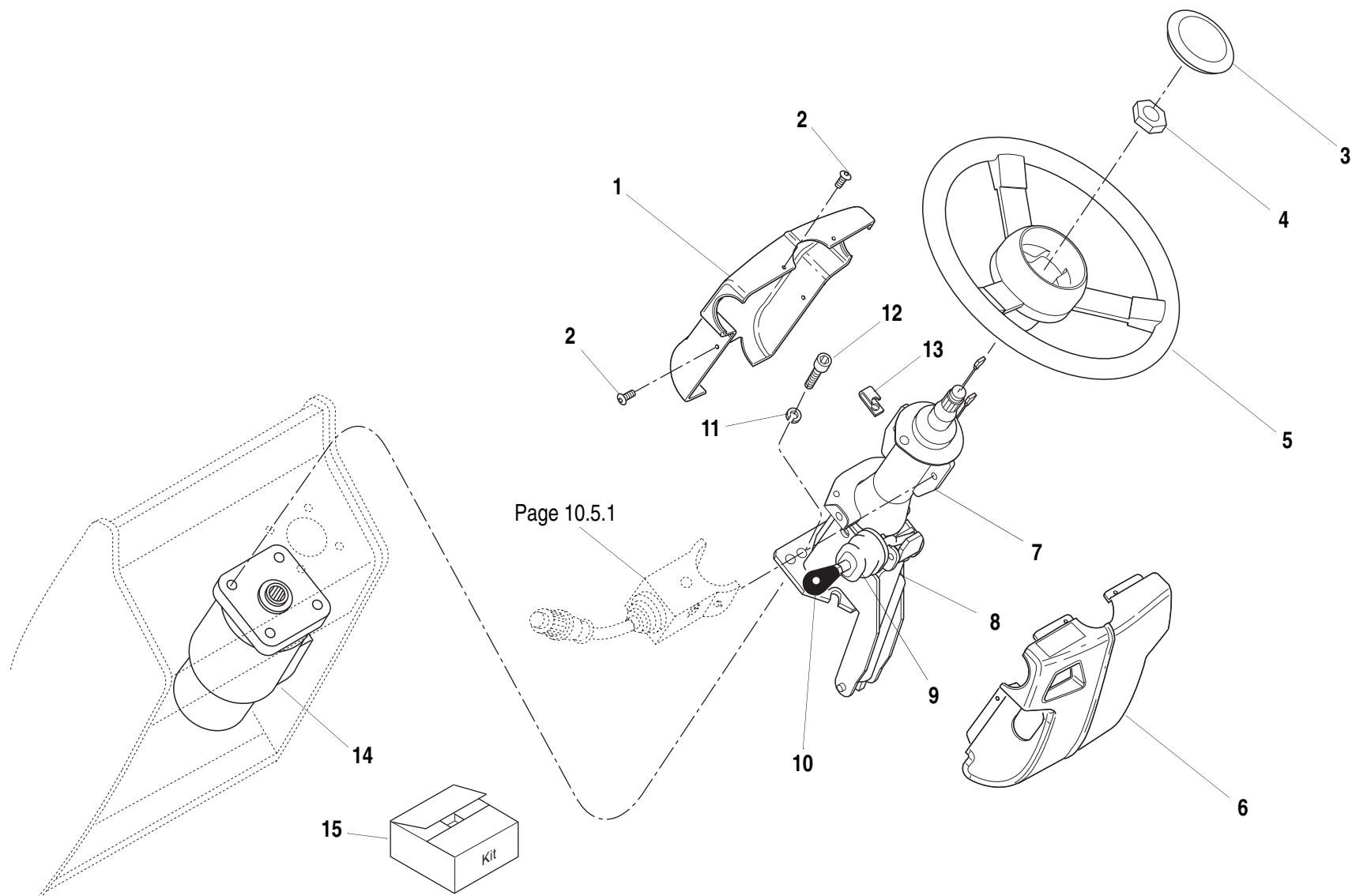
Origin
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MMV

S/N MV201 –

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138756	1	Cover, Steering Column, Top (See Kits)
2	8310372	4	Screw, Button Hd. #10-24 x 5/8"
3	8720017	1	Cover/Switch, Horn Button
4	8310315	1	Nut, Thin M18-1,5
5	8720016	1	Wheel, Steering
6	7138757	1	Cover, Steering Column, Bottom (See Kits)
7	7137623	1	Steering Column (Includes Items 8 thru 10)
8	7138820	1	Gas Spring - Steering Column
9	8035804	1	Boot, Tilt Lever
10	8580118	1	Knob, Tilt Steering
11	8307005	1	Washer, Lock 3/8"
12	8304672	4	Screw, Hex Socket Hd. 3/8"-16 x 1"
13	8310359	4	Nut, "J" #10-24
14	8721029	1	Steering Orbital
			KITS
15	7138846	1	Kit, Cab Panels - Enclosed Cab (Includes Items 1 and 6 on this page and additional panels 8, 20, 25 and 27 on Page 3.9.1) (Hardware not Included.)

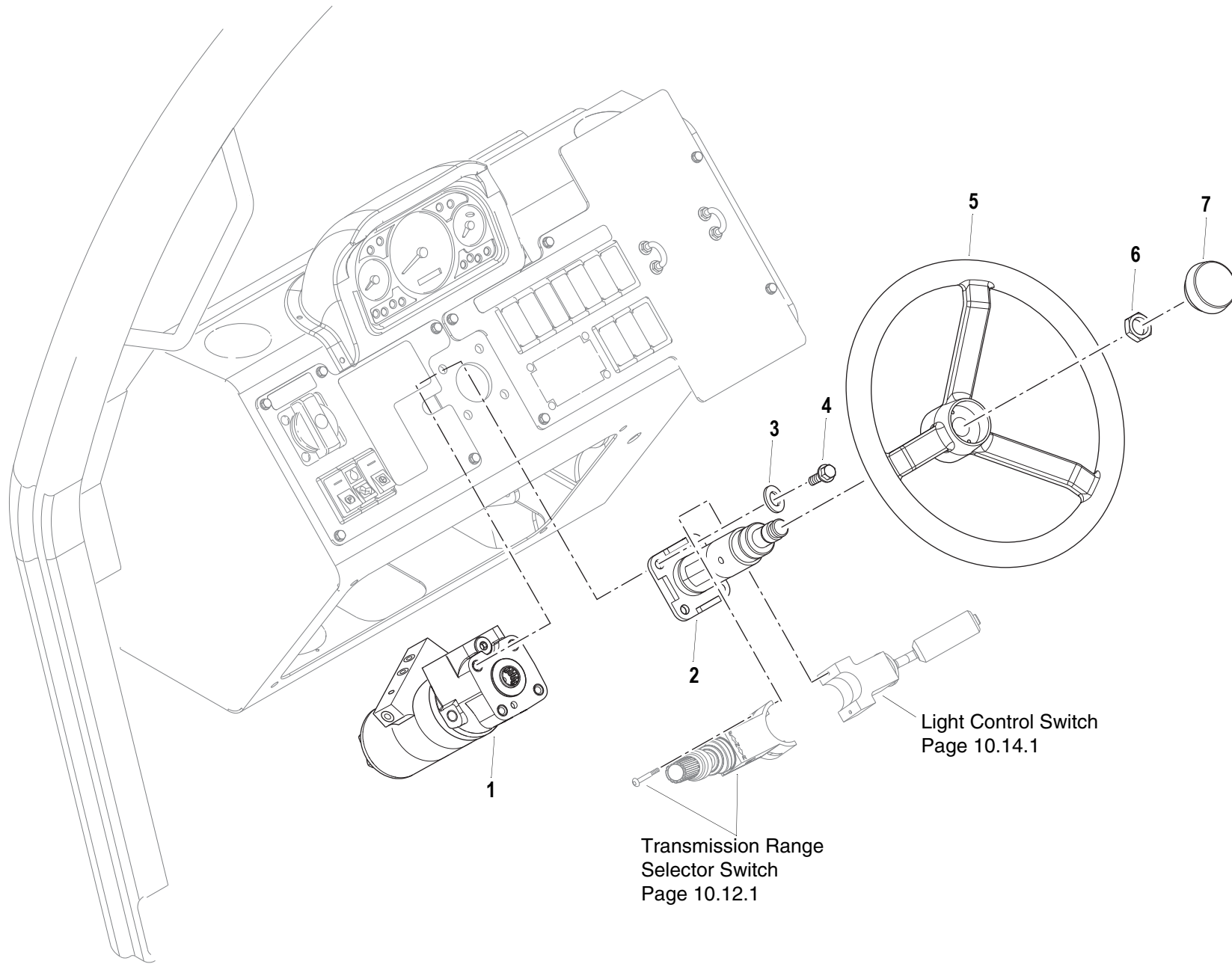
S/N MV006 – MV200

MMV

Tier 1
Tier 2

STEERING COLUMN AND SHIFTER ASSEMBLY

3.5.1



Transmission Range
Selector Switch
Page 10.12.1

Light Control Switch
Page 10.14.1

ITEM	PART NO.	QTY.	DESCRIPTION
1	8721031	1	Valve Assembly, Steer, Orbital
2	7138833	1	Column, Steering
3	8307221	4	Washer, Plain M10
4	8303777	4	HHCS, M10 x 1.5 x 35mm PC8.8
5	7138836	1	Wheel, Steering
6	8305916	1	Nut, Steering Wheel
7	7138878	1	Cover/Switch, Horn Button
			<u>KITS</u>
	7029367	1	Kit, Horn Brush

Origin
3/10

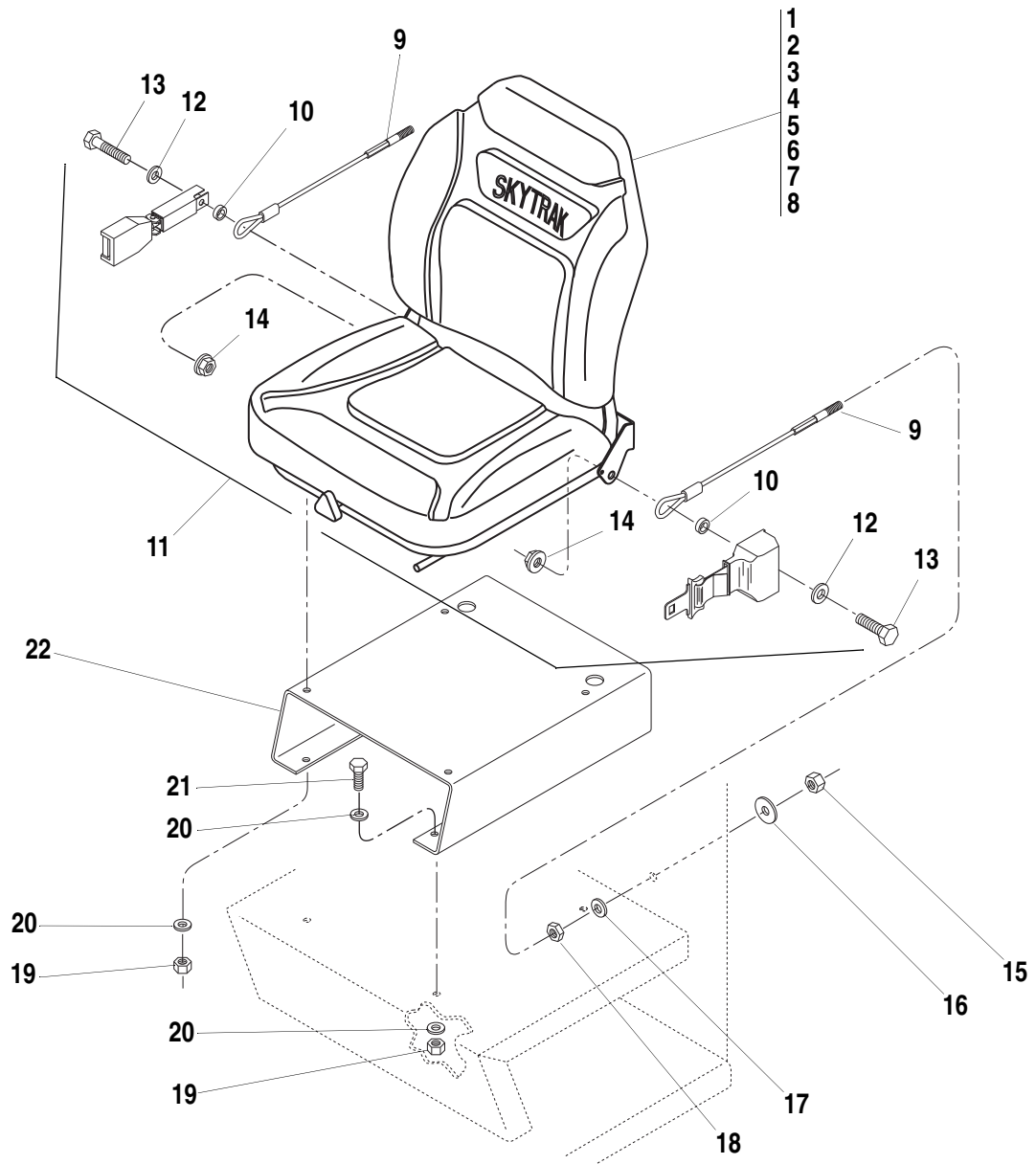
S/N MV201 –

MMV

Tier 1
Tier 2

STEERING COLUMN

3.5.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8864053	1	Seat Assembly (Includes Items 2 thru 8)
2	8036009	1	Boot, 60/76mm (Not Shown)
3	8036010	1	Adjuster, 6" (Not Shown)
4	8036011	1	Damper (Not Shown)
5	8036013	1	Rollers, 7/16" Dia. (Not Shown)
6	8036014	1	Springs and Cable (Not Shown)
7	8036015	1	Hanger/Knob/Tension Shaft (Not Shown)
8	8036017	1	Cushion/Pan Assembly Kit (Not Shown)
9	7130412	2	Tether
10	7096491	2	Spacer
11	8864057	1	Seat Belt Assembly - 2" Retractable (Includes Items 12, 13, and 14)
12	N.S.S.	2	Washer
13	N.S.S.	2	HHCS
14	N.S.S.	2	Nut, Hex
15	8305645	2	Nut, Hex Lock Elastic 3/8"-16
16	7057141	2	Washer, Rebound
17	8307204	2	Washer, Flat 3/8"
18	8305404	2	Nut, Hex Jam 3/8"-16
19	8305626	4	Nut, Hex Lock Elastic 5/16"-18
20	8307106	8	Washer, Flat 5/16" Narrow
21	8303670	4	HHCS, 5/16"-18 x 1"
22	7121543	1	Support, Seat

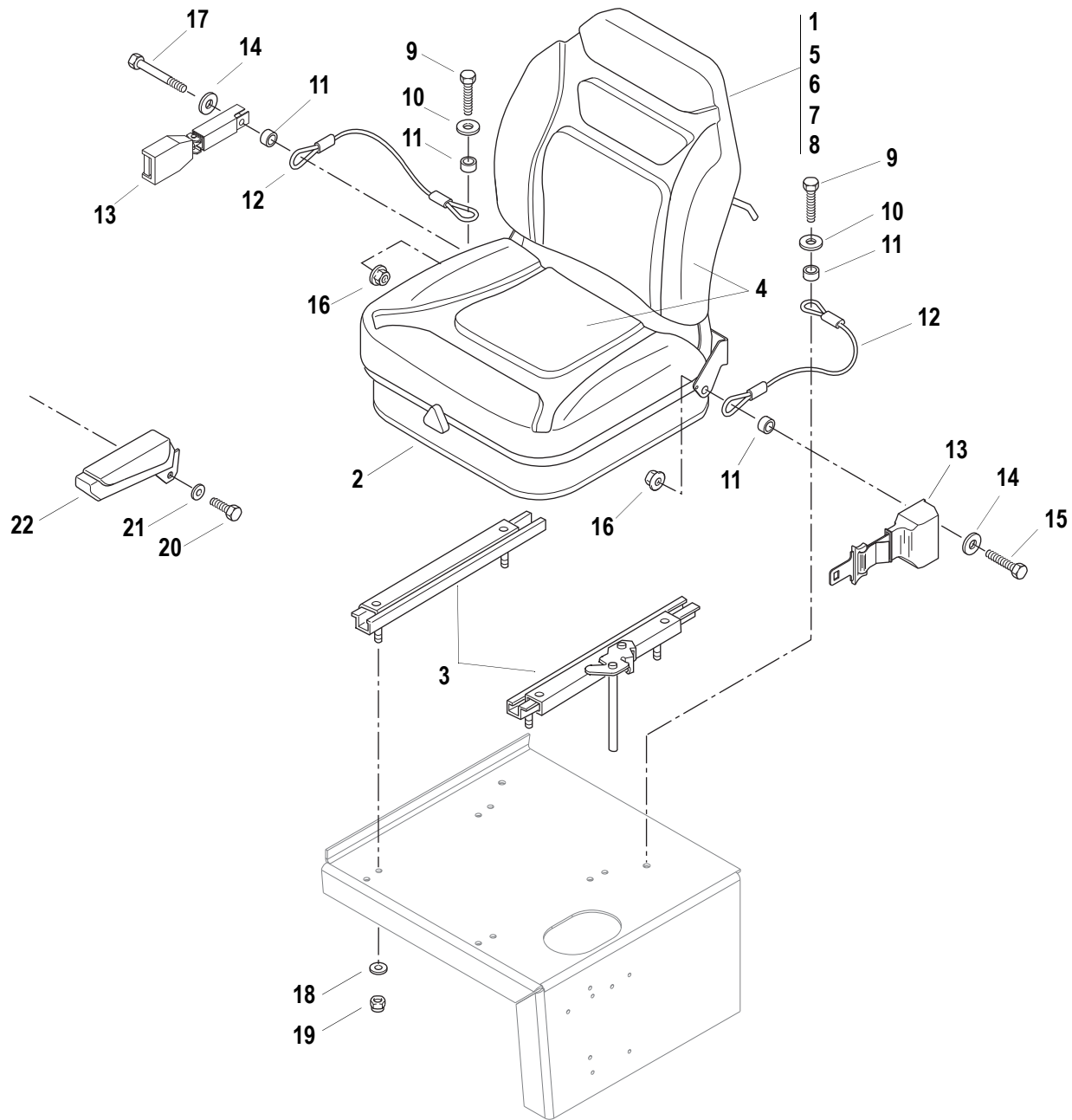
S/N MV006 – MV200

MMV

Tier 1
Tier 2

OPERATOR'S SEAT AND SEAT BELT

3.6.1



ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Seat Assembly, (no longer available, order seat replacement kit on Page 3.6.1.2)
2	8036009	1	Boot, 60/76mm (Covers Adjuster below Seat)
3	8036010	1	Adjuster, 6"
4	8036626	1	Kit, Cushion/Pan Assembly (Includes both seat and back rest - not sold separately)
5	8036011	1	Damper (Shock Absorber) (Not Shown)
6	8036013	4	Rollers, Up Stop Bumper/Down Stop Bumper - 7/16" Dia. (Not Shown)
7	8036014	1	Springs and Cable (Not Shown)
8	8036015	1	Kit, Hanger/Knob/Tension Shaft (Not Shown)
9	8303674	2	HHCS, 7/16-14 NC 1-1/2" GR5
10	8307205	2	Washer, Plain, 7/16"
11	7096491	4	Spacer
12	7138883	2	Tether, Seat Belt
13	8864057	1	Seat Belt, 2" Retractable (Includes Items 14 thru 17)
14	N.S.S.	2	Washer, Plain 7/16"
15	N.S.S.	1	HHCS, 7/16-20 x 1-1/2", GR5
16	N.S.S.	2	Nut, Hex, Flanged 7/16-20
17	N.S.S.	1	HHCS, 7/16-20 x 2-1/2", GR5
18	8307106	4	Washer, Plain, 5/16"
19	8305626	4	Nut, Hex Lock Elastic 5/16-18
20	8303783	2	HHCS, M8 x 1.25 x 25mm PC8.8
21	8307203	2	Washer, Flat 5/16"
22	7138858	1	Arm Rest

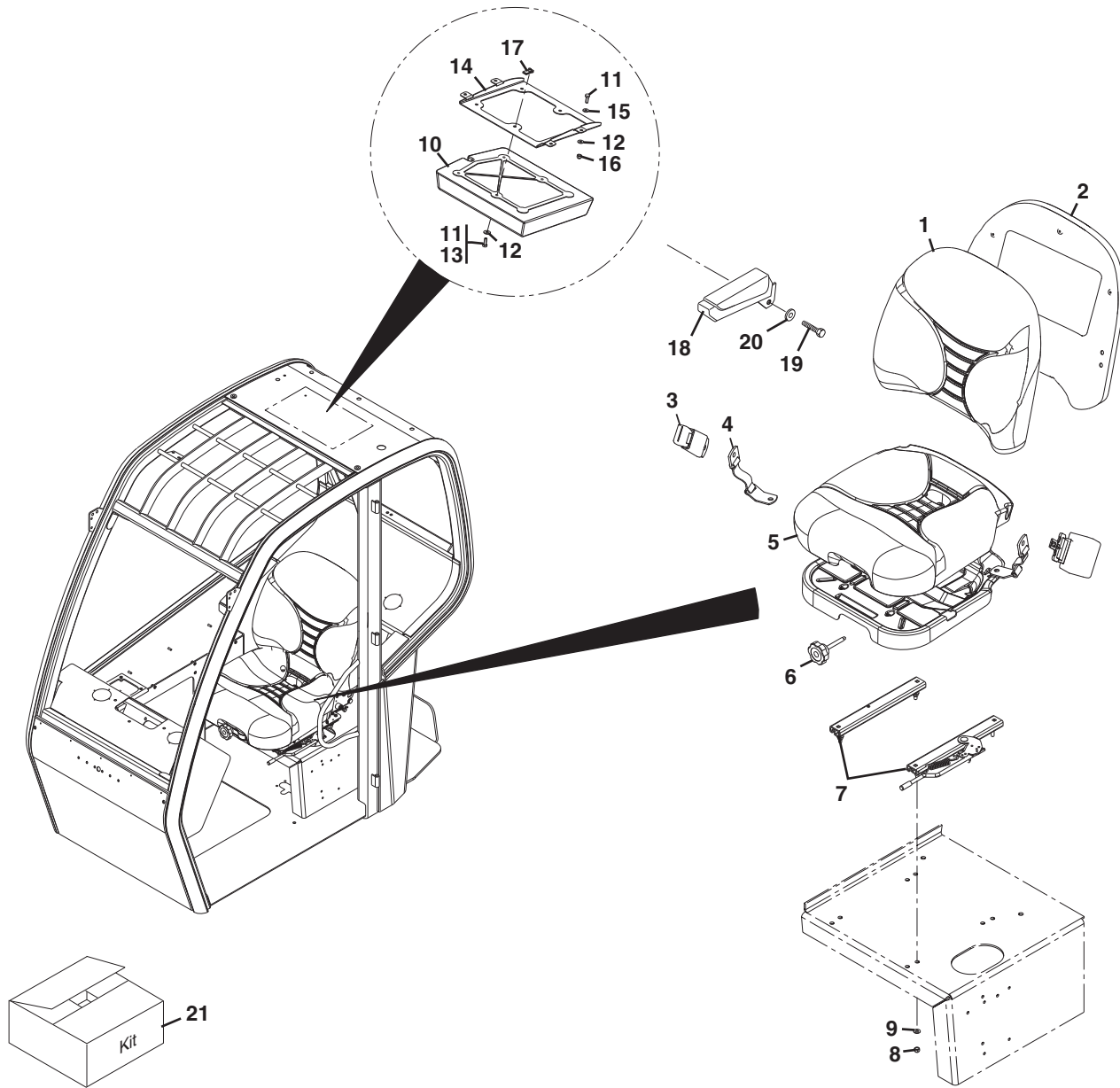
S/N MV201 – MV307 & 0160003128 - 0160012514

MMV

Tier 1
Tier 2

OPERATOR'S SEAT AND SEAT BELT

3.6.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
	3980039	1	Suspension Seat, (includes items 1 thru 7)
1	7026900	1	Back Cushion Kit
2	7026902	1	Back Panel Kit
3	7026905	1	Seat Belt Kit
4	7026906	1	Tether Kit
5	7026901	1	Seat Cushion Kit
6	7026799	1	Knob Kit
7	7026798	1	Slide Kit
8	8305626	4	Hex Locknut, 5/16-18
9	8307106	4	Plain Washer, 5/16
10	0860520	1	Manual Storage Box
11	0641406	8	Hex Hd Capscrew, 1/4-20x3/4
12	4751400	8	Flat Washer, 1/4
13	0100011	AR	Loctite, #242, (apply to item 14)
14	4341074	1	Manual Box Mount
15	8866266	4	Weather Tight Washer, 1/4
16	8305624	4	Hex Locknut, 1/4-20
17	8310702	4	Nut Retainer, 1/4-20
18	7138858	1	Arm Rest
19	8303783	2	Hex Hd Capscrew, M8x1.25x25mm, Pc8.8
20	8307203	2	Plain Washer, 5/16
21	2915056	1	Suspension Seat Replacement Kit, (includes seat & items 8 thru 17)

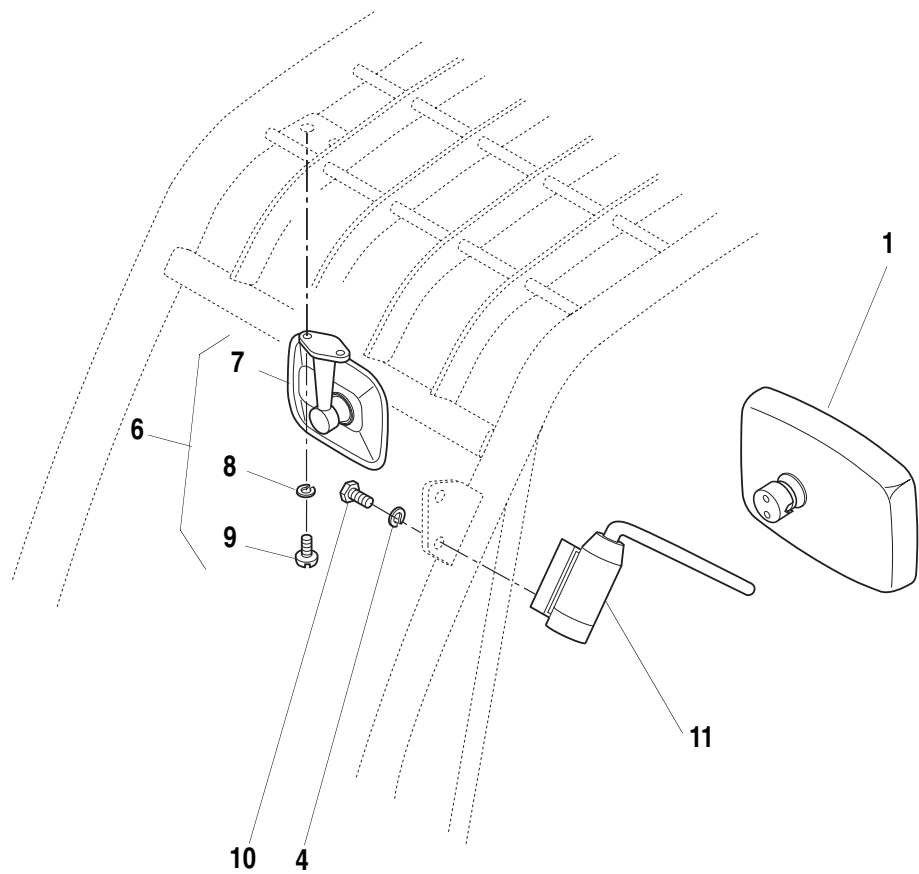
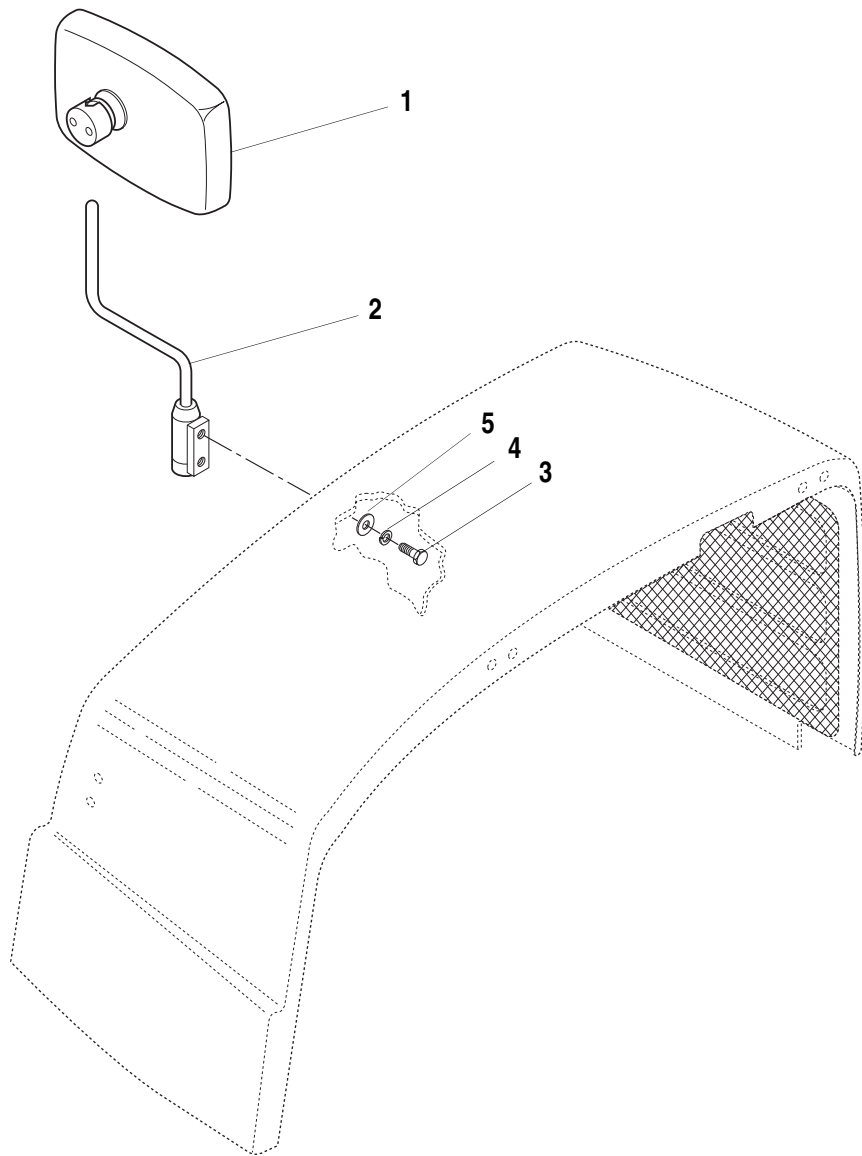
S/N 0160012570 & After

MMV

Tier 1
Tier 2

OPERATOR'S SEAT AND SEAT BELT

3.6.1.2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8866514	2	Mirror Head, Convex
2	8866515	1	Arm Assembly, Mirror
3	8303544	2	HHCS, M6-1 x 20mm PC 8.8
4	8307024	4	Washer, Lock M6
5	8307219	2	Washer, Flat M6
6	7136742	1	Kit, Right Cab Mirror (Includes Items 7, 8, and 9)
7	8866516	1	Mirror Assembly, Rear View
8	8307003	2	Washer, Lock #10
9	8303836	2	Screw, Pan Hd. #10-24 x 5/8"
10	8303799	2	HHCS, M6-1 x 14mm
11	8866530	1	Arm Assembly, Mirror

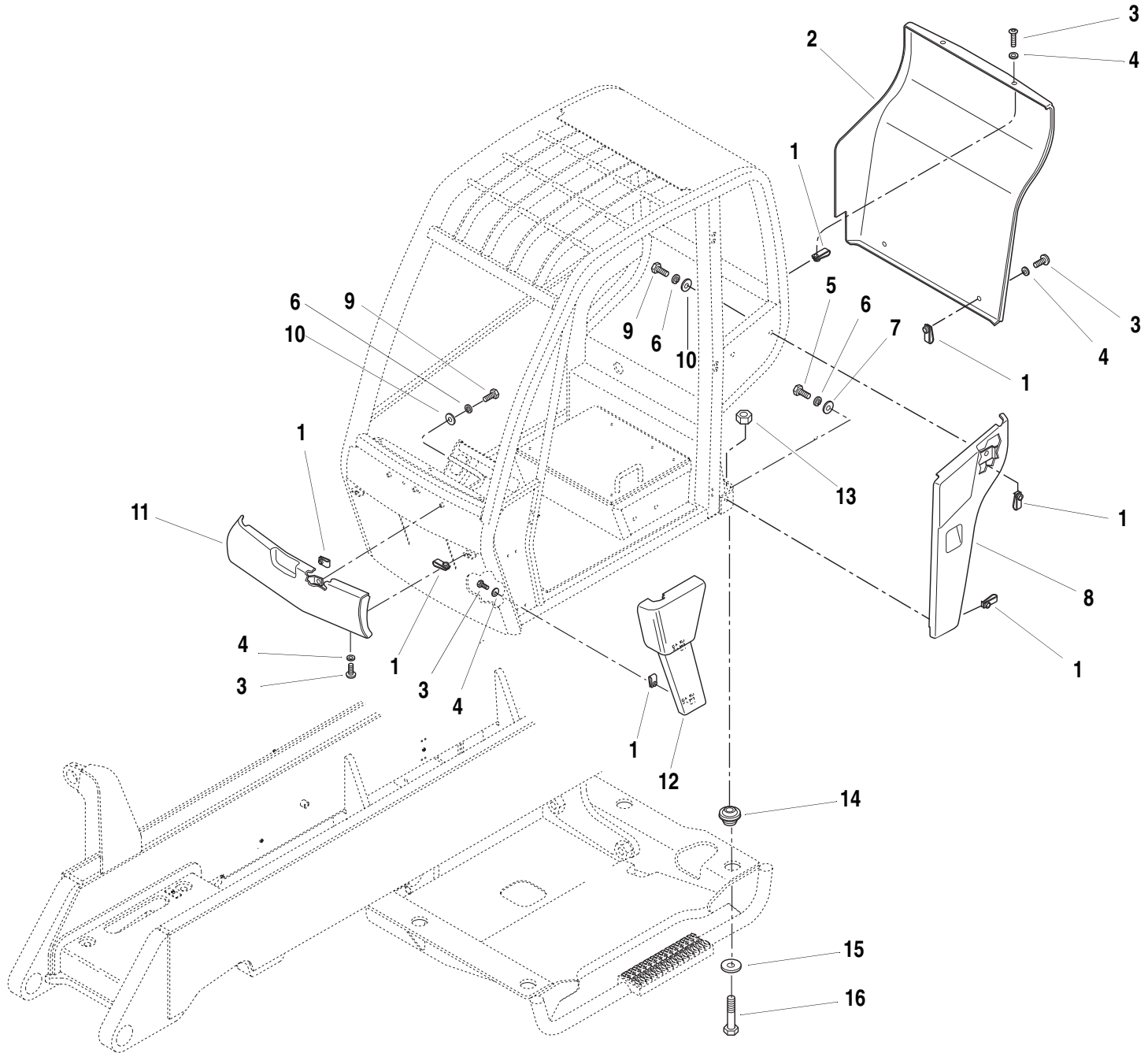
S/N MV006 –

MMV

Tier 1
Tier 2

MIRRORS

3.7.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8305906	12	Nut, Retaining 5/16"-18
2	6623372	1	Panel, Cab Rear
3	8310301	8	BHCS, 5/16"-18 x 1"
4	8310124	8	Washer, Flat Plastic 5/16"
5	8303739	1	HHCS, 5/16"-18 x 1-1/4"
6	8307004	5	Washer, Lock 5/16"
7	8307203	1	Washer, Flat 5/16"
8	6623371	1	Panel, Cab Rear LH
9	8303670	4	HHCS, 5/16"-18 x 1"
10	7057141	4	Washer, Rebound
11	6623369	1	Panel, Cab Front
12	6623370	1	Panel, Cab Front LH
13	8310067	4	Nut, Hex Lock Elastic 3/4"-10
14	8278026	4	Isolator, Cab
15	7129441	4	Washer, Rebound
16	8310375	4	HHCS, 3/4"-10 x 3-3/4" Gr.8

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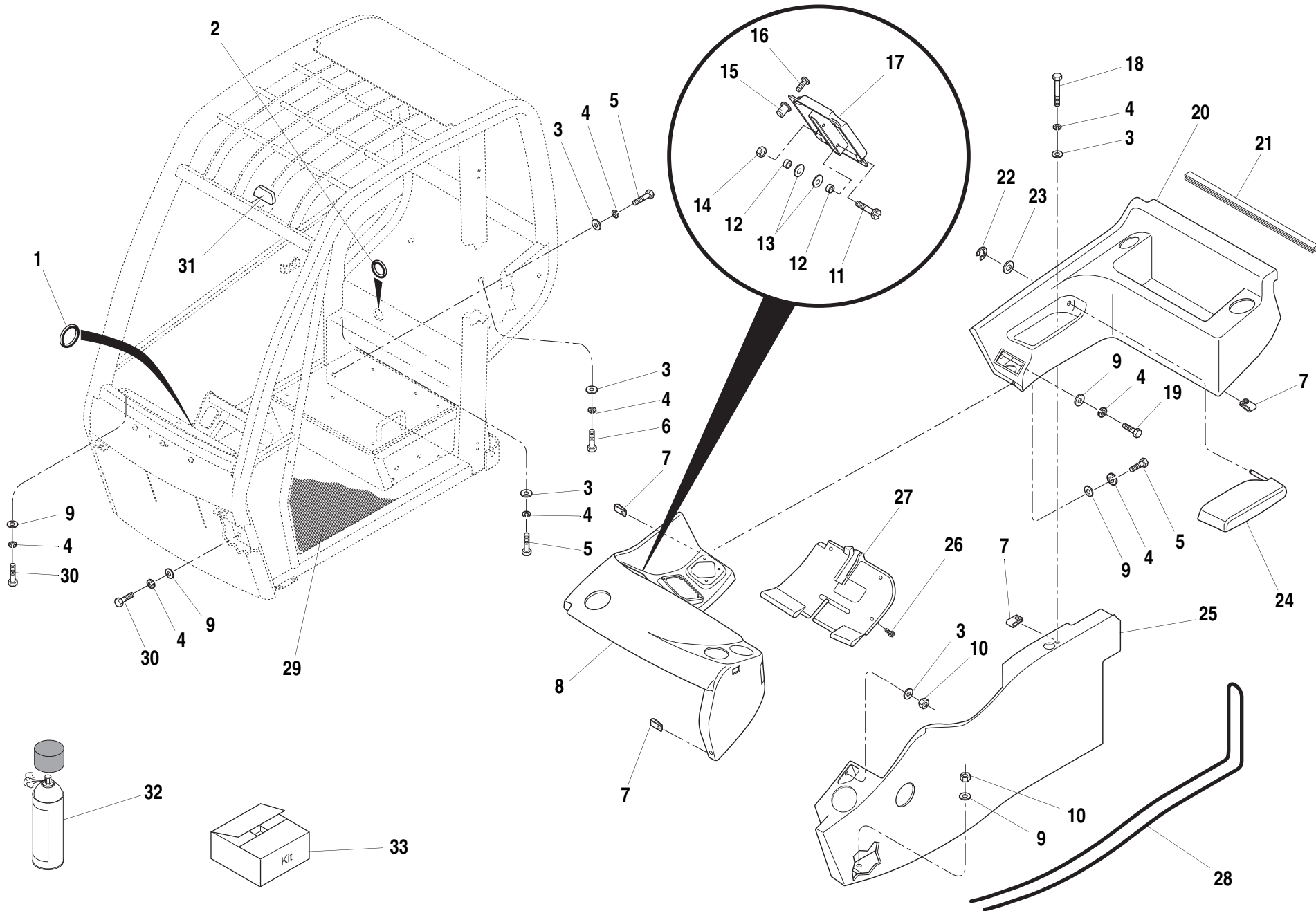
S/N MV006 – MV200

MMV

Tier 1
Tier 2

OUTER PANELS

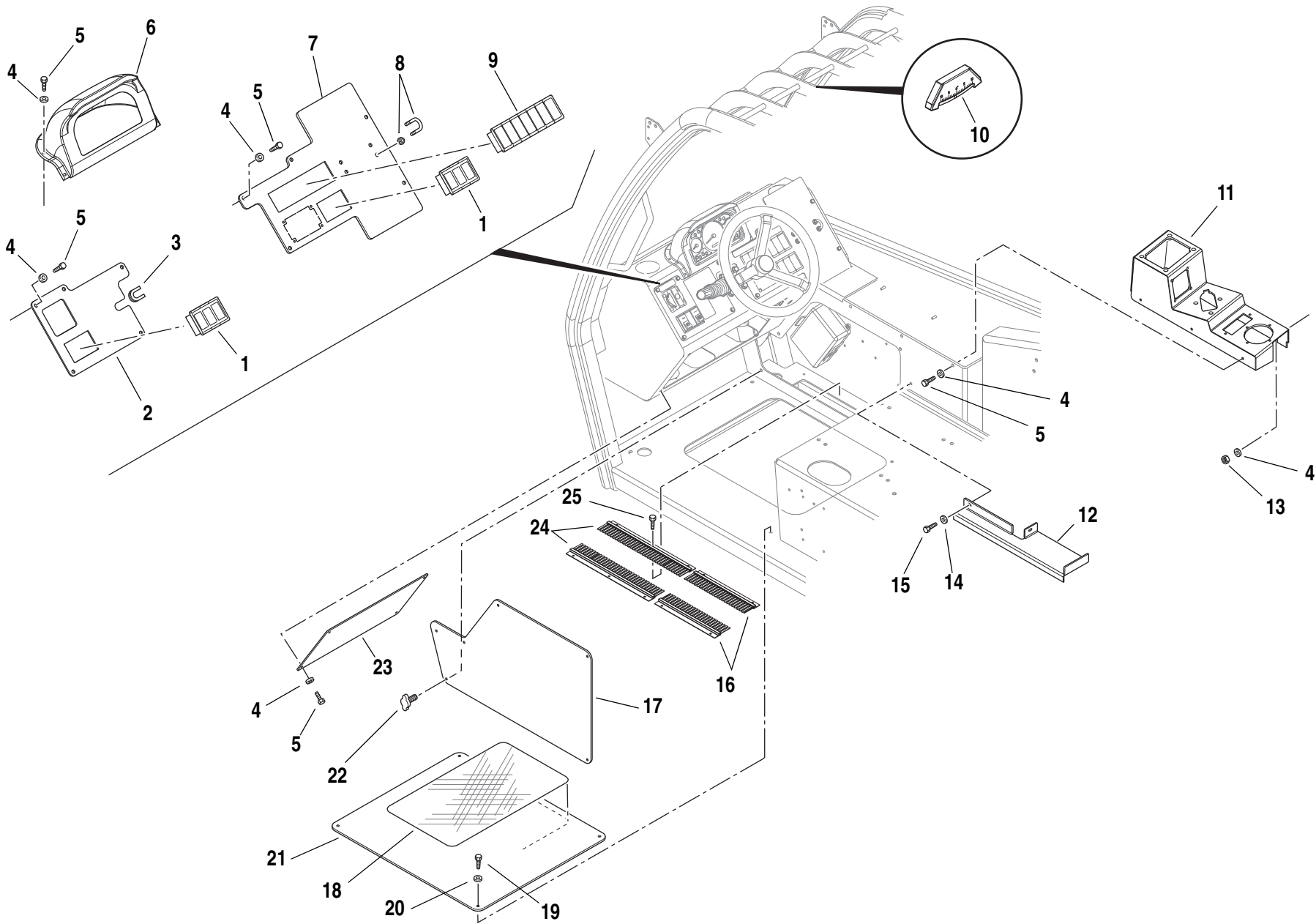
3.8.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7132751	1	Conduit, 1/4" x 9-1/2" Long
2	7124531	1	Conduit, 1/4" x 5" Long
3	7057141	5	Washer, Rebound
4	8307004	9	Washer, Lock 5/16"
5	8303739	4	HHCS, 5/16"-18 x 1-1/4"
6	8303746	1	HHCS, 5/16"-18 x 1-3/4"
7	8310374	9	Nut, Retaining 5/16"-18
8	7138841	1	Dash, Front (See Kits)
9	8307203	5	Washer, Flat 5/16"
10	8305626	2	Nut, Hex Lock Elastic 5/16"-18
11	8310016	2	Screw, Slotted Pan Hd. #10-24 x 1"
12	8310402	4	Spacer
13	8310360	4	Washer, Fender
14	8310085	2	Nut, Hex Lock Elastic #10-24
15	8580421	4	Nut, Well #10-32 x 1/2" Long
16	8310358	4	BHCS, #10-32 x 3/4"
17	7131003	1	Holder, Load Chart
18	8310009	1	HHCS, 5/16"-18 x 2"
19	8303670	1	HHCS, 5/16"-18 x 1"
20	7137664	1	Tool Bin, Rear (See Kits)
21	7138275	1	Neoprene Strip 1/2" x 1" x 28" Long
22	8630010	1	Ring, Retaining
23	8307206	1	Washer, Flat 1/2"
24	7130862	1	Armrest/Compartment Cover
25	7130744	1	Support, Console (See Kits)
26	8310353	3	Screw, Self Drilling #12-14 x 1"
27	7130773	1	Cover, Lower Dash (See Kits)
28	8035599	1	Foam Strip, PSA 1/4" x 1/2" x 100" Long
29	7138962	1	Floormat (Use Item 32 for Installation)
30	8303715	2	HHCS, 5/16-18 NC x 1 1/2"
31	8466306	1	Gauge, Tilt Angle
32	8526042	1	Adhesive 3M #90 High Strength Spray

ITEM	PART NO.	QTY.	DESCRIPTION
33	7138846	1	<p><u>KITS</u> Kit, Interior Panels (Includes Items 8, 20, 25 and 27 on this page and Panels 1 and 6 on Page 3.5.1) (Hardware not Included.)</p>

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ITEM	PART NO.	QTY.	DESCRIPTION
1	8223074	2	Bezel, 3 Position Switch
2	6623787	1	Panel, Left Dash
3	10725268	1	Loom, 1/4" O.D.
4	8307219	24	Washer, Plain M6
5	8303544	22	HHCS, M6 x 1.0 x 20mm PC8.8
6	7151262	1	Moulding, Dash Cover
7	6623786	1	Panel, Right Dash
8	8310669	2	U-Bolt & Nuts 1/4-20 x 2-1/4"
9	8223075	1	Bezel, 7 Position Switch
10	8466306	1	Gauge, Tilt Angle
11	6623827	1	Weldment, Joystick Console
12	6623783	1	Panel, Seat Mounting
13	8305047	2	Nut, M6 x 1.0
14	8307221	2	Washer, Plain M10
15	8303798	2	HHCS M10 x 1.5 x 25mm PC8.8
16	7301279	2	Strip, Short Brush
17	6623782	1	Panel, Fuse and Relay Access
18	10139087	1	Mat, Anti-slip-Adhesive
19	8303783	4	HHCS M6 x 1.0 x 25mm PC8.8
20	8307222	4	Washer, Plain M8
21	7151271	1	Panel, Floor Access
22	8310745	6	Screw, Tee-Knob Head, M6 x 1.0 x 25mm
23	6623781	1	Panel, Lower Dash
24	7138944	2	Strip, Brush
25	8303607	10	HHCS, M6 x 1.0 x 20mm PC8.8

Origin
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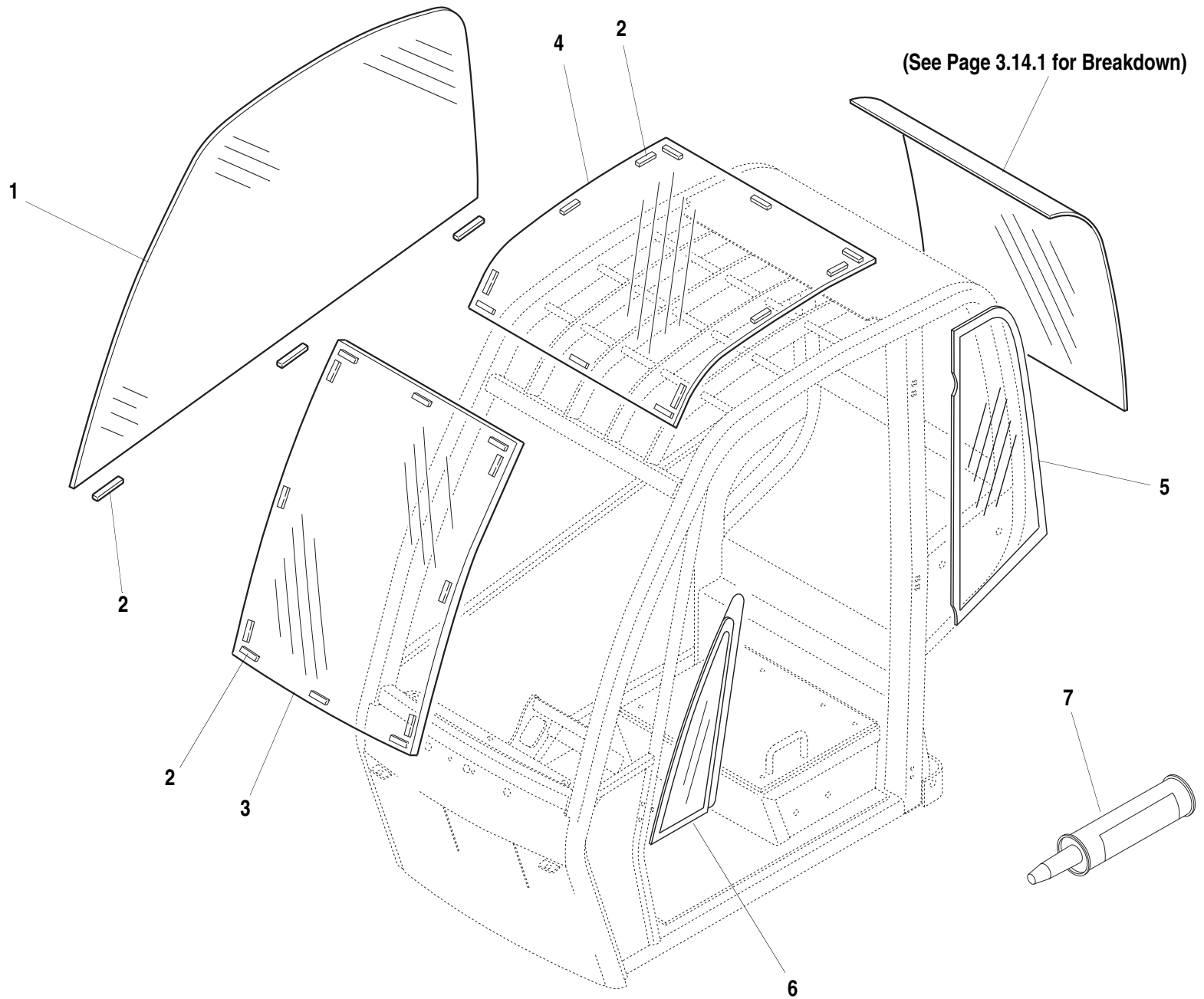
MMV

S/N MV201 –

Tier 1
Tier 2

OPERATOR'S COMPARTMENT - INNER PANELS

3.9.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8035294	1	Window, Right Side
2	8035490	27	Block, Setting, 1/8" x 1/4" x 2"
3	8035522	1	Windshield, Front
4	8035527	1	Window, Skylight
5	8036351	1	Window, Rear LH (Includes Glass, Frame & Urethane Seal)
6		1	Window, Front LH (Includes Glass, Frame & Urethane Seal)
7	8035523	2	Sealant, Urethane, High Viscosity

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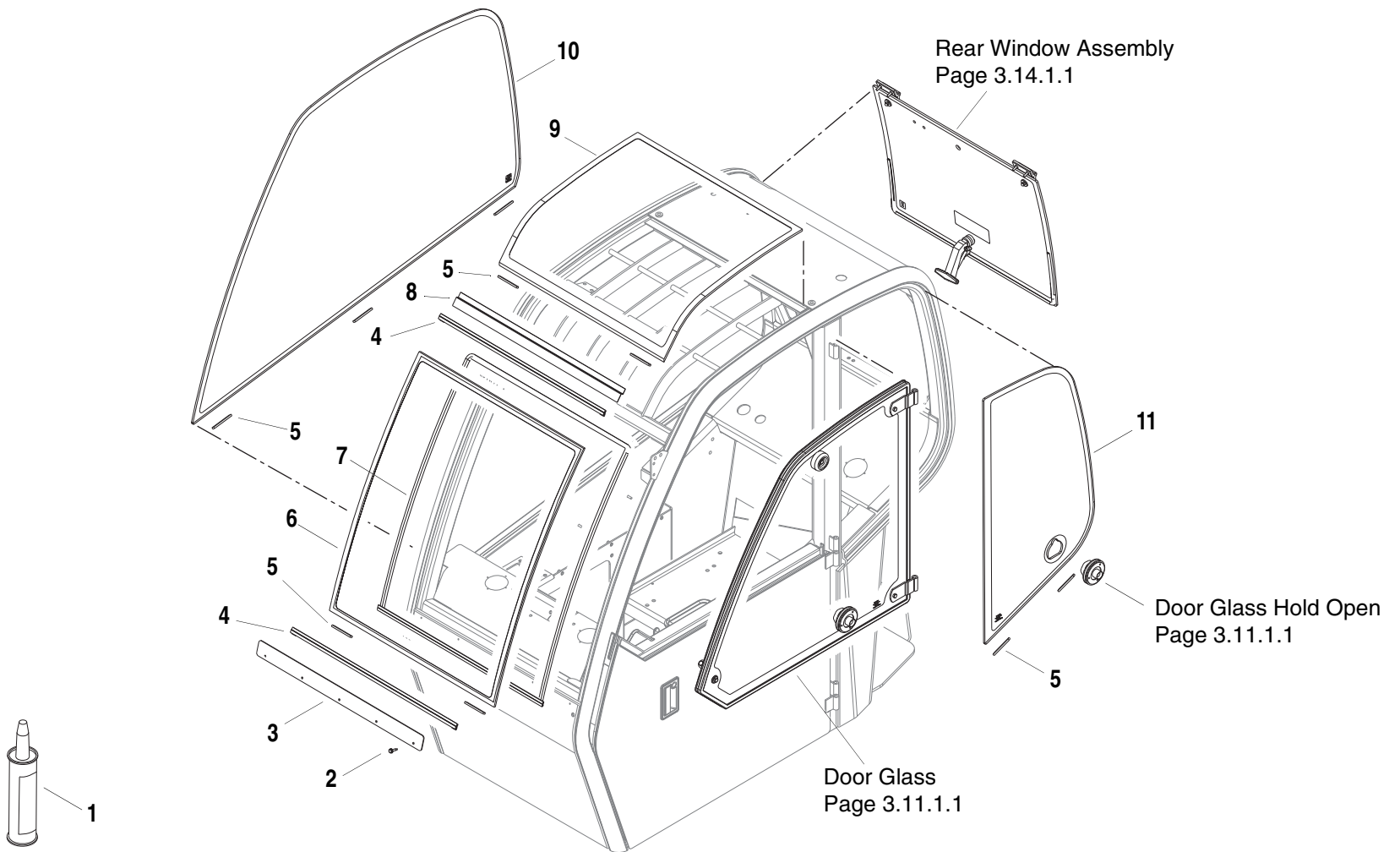
S/N MV006 – MV200

MMV

Tier 1
Tier 2

GLASS

3.10.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8035523	1	Urethane Seal, Black
2	8037204	5	Screw, #10-16 x 3/4" Self Tapping
3	8036735	1	Retainer, Lower Windshield
4	8036660	2	Seal, Windshield Compression D
5	8035490	9	Setting Block 1/8 x 1/4 x 2"
6	8036663	1	Glass, Windshield
7	8036659	1	Seal, Windshield Double D
8	8036667	1	Retainer, Upper Windshield
9	8036666	1	Glass, Skylight
10	8036665	1	Glass, Right Side
11	8036664	1	Glass, Left Side

Origin
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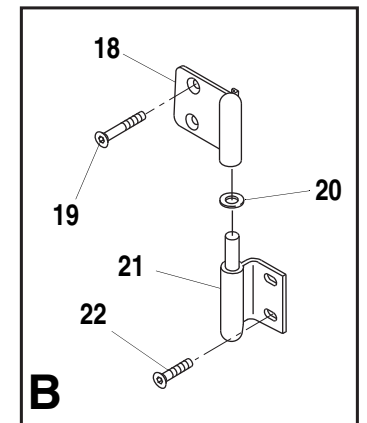
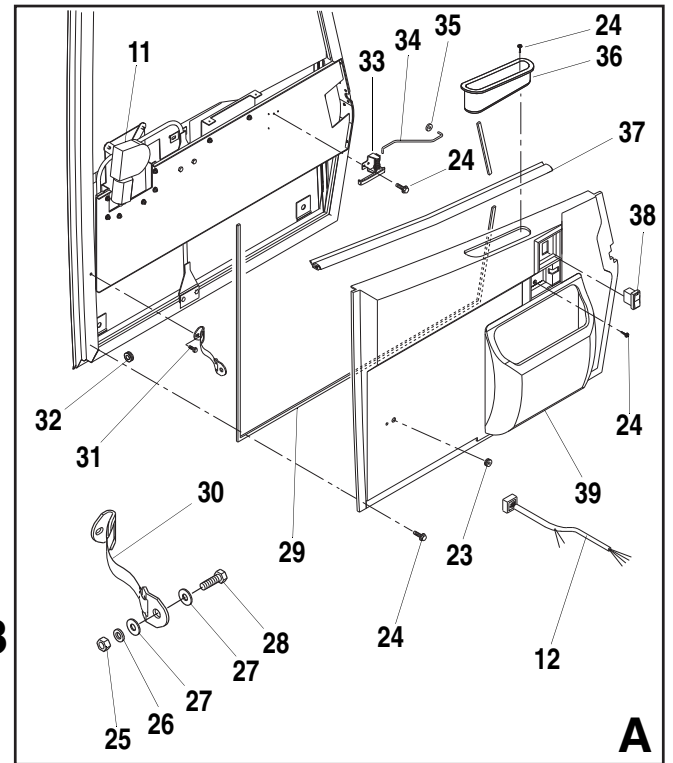
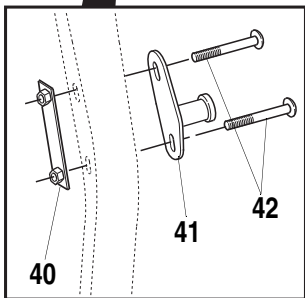
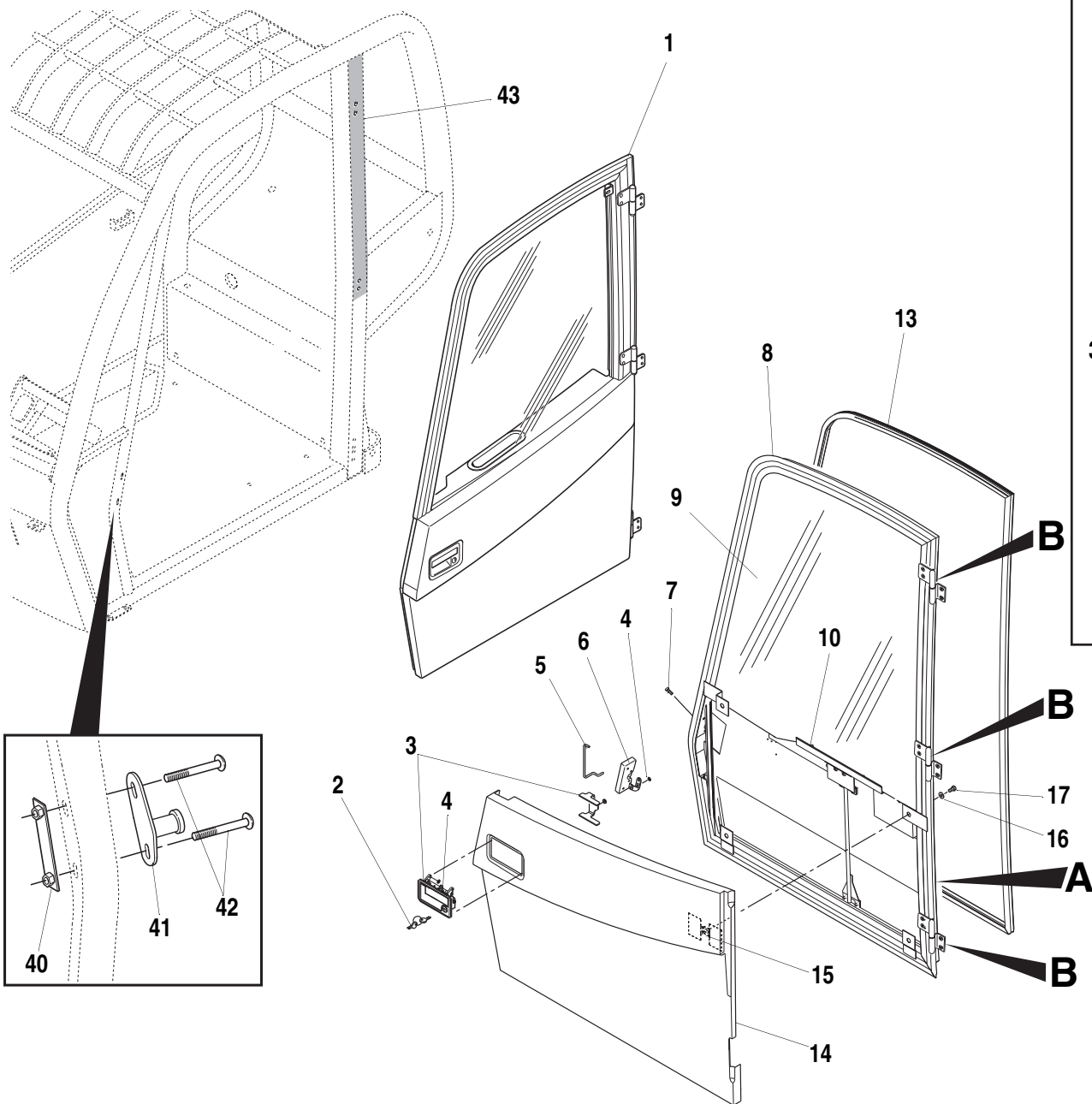
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Tier 1
Tier 2

GLASS

3.10.1.1



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1		1	Door Assembly - Enclosed Cab (Includes Items 2 thru 39)	31	8035437	1	Screw, 1/4"-20 x 3/4"
2	8342808	1	Key set, LL22	32	8035436	1	Grommet, 3/4" O.D. x 1/2" I.D.
3	8035441	1	Latch, Paddle - RH Black	33	8035438	1	Handle, Door - Inside
4	8035444	2	Retainer, Push On - 3/16" Rod	34	8035453	1	Release Rod, Interior
5	8035452	1	Release Rod, Exterior	35	80384185	1	Rod Retainer, Clip On
6	8035439	1	Latch, Door	36	8035454	1	Pocket, Interior Door Panel
7	8035466	4	Screw, Flat Head 1/4"-20 x 3/4"	37	8035443	1	Door Seal w/Flap - 70"
8	8035449	1	Door Rollup Window Assembly (Includes Items 9, 10 and 11)	38	8035455	1	Switch, Electric Window
9		1	Glass, Door	39	8035450	1	Door Panel, Interior
10	8036545	1	Channel, Glass	40	8035529	1	Striker Assembly, Blind Nut Plate
11	8035473	1	Regulator, Electric Window 12V	41	8035528	1	Weldment, Striker Plate
12	8035456	1	Wire Harness, LH Door	42	8035526	2	Bolt, .323-18 x 2.0 Truss Black
13	8033072	1	Seal, Bulb 90, 192" Long	43	8035722	1	Tape, Vinyl, Matte Black
14	8036372	1	Door Panel, Exterior				
15	8035464	4	U-Nut, 1/4"-20				
16	80264082	4	Washer, Flat .281 x 1.05 x .065 Thick				
17	8035463	4	Screw, Truss Hex Drive 1/4"-20 x 5/8"				
18	8035446	1	Top Hinge, Upper Half of				
	8035447	1	Center Hinge, Upper Half of				
	8035448	1	Bottom Hinge, Upper Half of				
19	8035461	6	Screw, Flat Hd Hex Drive 1/4"-20 x 1-1/4"				
20	8035460	3	Washer, Hinge Brass				
21	8035457	1	Top Hinge, Lower Half of				
	8035458	1	Center Hinge, Lower Half of				
	8035459	1	Bottom Hinge, Lower Half of				
22	8033058	6	Screw, 1/4"-20 x 3/4" Whizlock				
23	8035467	1	Grommet, 3/8" I.D. x 5/8" O.D.				
24	80364028	10	Screw				
25	8034798	1	Nut, Hex 5/16"-18 Gr. 8 Yellow				
26	8034799	1	Washer, Lock .315 x .575 x .085 Thick				
27	8035435	2	Washer, Lock .315 x .750 x .060 Thick				
28	8035445	1	Bolt, Hex 5/16"-18 x 1" Gr. 8				
29	8037206	1	Seal, "D" Type Bulb .216 x .354 x 54"				
30	8035442	1	Strap, Door Restraint				

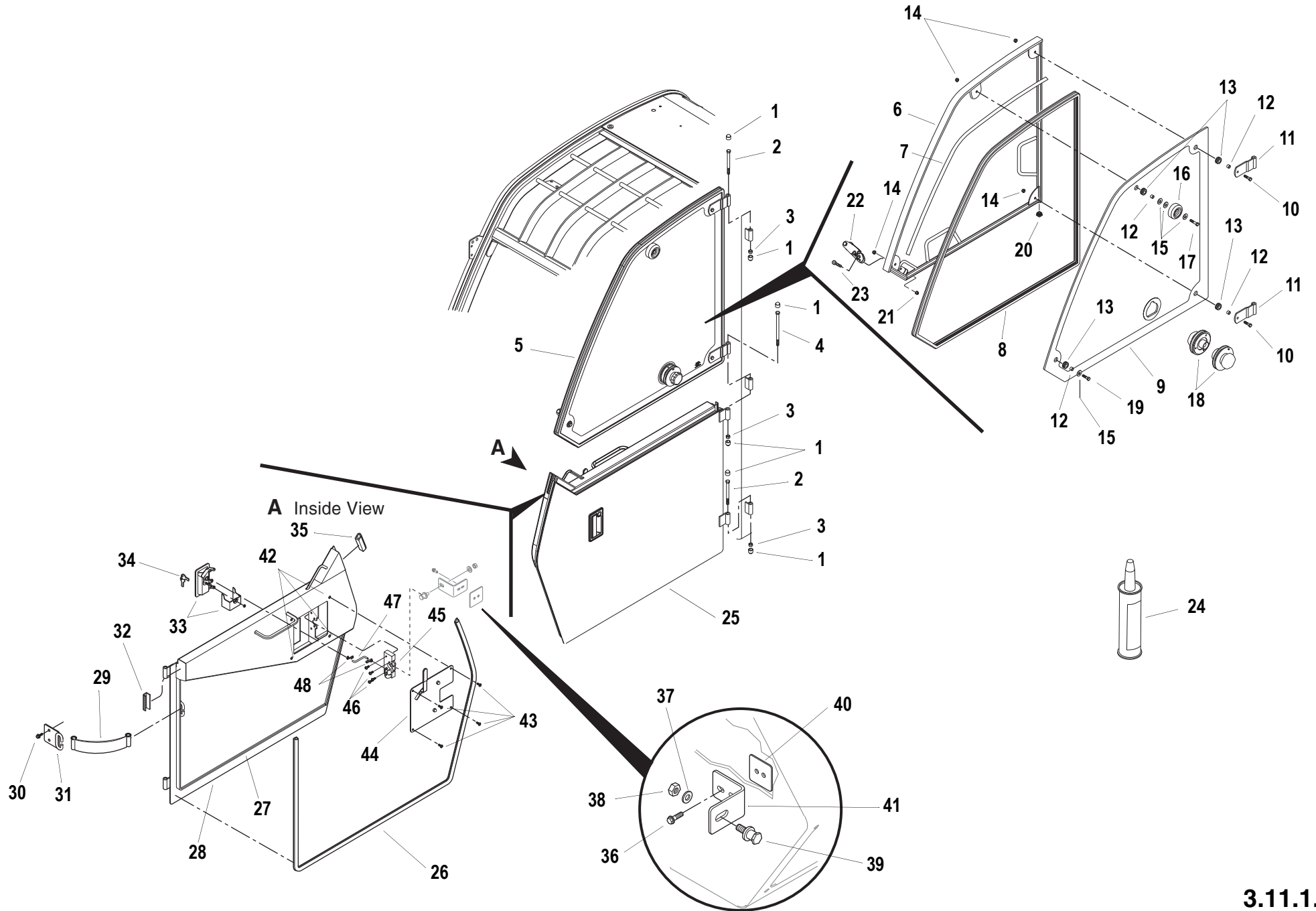
S/N MV006 – MV200

DOOR ASSEMBLY

3.11.1

MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION				
1	8036065	6	Cap, Hex Dome, 3/8" Black Nylon	37	8036061	1	Washer, Flat, .531, 1.063, .094"
2	8035631	2	HHCS, 3/8-16 x 4-1/2"	38	8035639	1	Nut, Lock, 7/16-14
3	8035632	3	Nut, Hex, 3/8-16	39	8035637	1	Bolt, Striker, 7/16-14 x 1-1/2"
4	8036064	1	HHCS, 3/8-16 x 6-1/2" GR5	40	8036059	1	Plate Weldment, Striker Nut
5	6623843	1	Door Assembly, Upper (Includes Items 6 thru 24)	41	8036687	1	Striker Mount, Door
6	N.S.S.	1	Door Weldment, Upper (Order Item 5)	42	8036685	4	Nut, Rivet, M6 x 1.0
7	8036711	1	Seal, Door Glass Bulb	43	8036656	4	Bolt, Pan Head, Phillips, M6 x 1 x 16mm
8	8036707	1	Seal, Upper Door Bulb	44	8036736	1	Cover Assembly, Lower Door
9	8036706	1	Glass, Upper Door	45	8035439	1	Latch, Door
10	8036700	2	HHCS, 5/16-18 x 1-1/4" GR8	46	91344043	4	HHCS, 1/4-20 x 5/8" GR5
11	N.S.S.	2	Hinge, 3/8" Pin	47	8036694	1	Linkage, Exterior Latch
12	8036709	4	Bushing, Spacer	48	80384187	2	Clip, Rod End Retainer
13	8035477	4	Grommet, Rubber, .50, .812, 1.062, .25				
14	8036701	4	Nut, Hex, 5/16-18 GR8				
15	8036699	A/R	Washer, Flat, .375, .875, .075				
16	8036703	1	Bumper, Rubber				
17	8303715	1	HHCS, 5/16-18 NC x 1-1/2" GR5				
18	8036705	1	Hold Open, Door				
19	8035445	1	HHCS, 5/16-18 x 1" GR8				
20	8036704	1	Plug, Square				
21	8036702	1	Nut, Hex, 1/4-20 GR8				
22	8036712	1	Latch Assembly, Upper Door				
23	8310136	1	Screw, Truss, 1/4-20 x 1-1/4"				
24	8035523	1	Urethane Seal, Black (10 oz Cartridge)				
25	6623844	1	Door Assembly, Lower (Includes Items 26 thru 48)				
26	8036692	1	Bulb Seal, Lower Door				
27	8036690	1	Foam, Lower Door				
28	N.S.S.	1	Door Weldment, Lower (Order Item 25)				
29	8036688	1	Restraint Strap, Door				
30	8036684	2	Bolt, Flange, M8 x 1.25 x 20mm				
31	8036689	1	Restraint Weldment, Door				
32	8036693	1	Bulb Seal, Lower Door Rear Filler				
33	8035441	1	Latch, Paddle				
34	8342808	2	Keys LL22				
35	8036691	1	Bulb Seal, Lower Door Front Filler				
36	8036696	2	Bolt, Flange, 1/4-20 x 3/4"				

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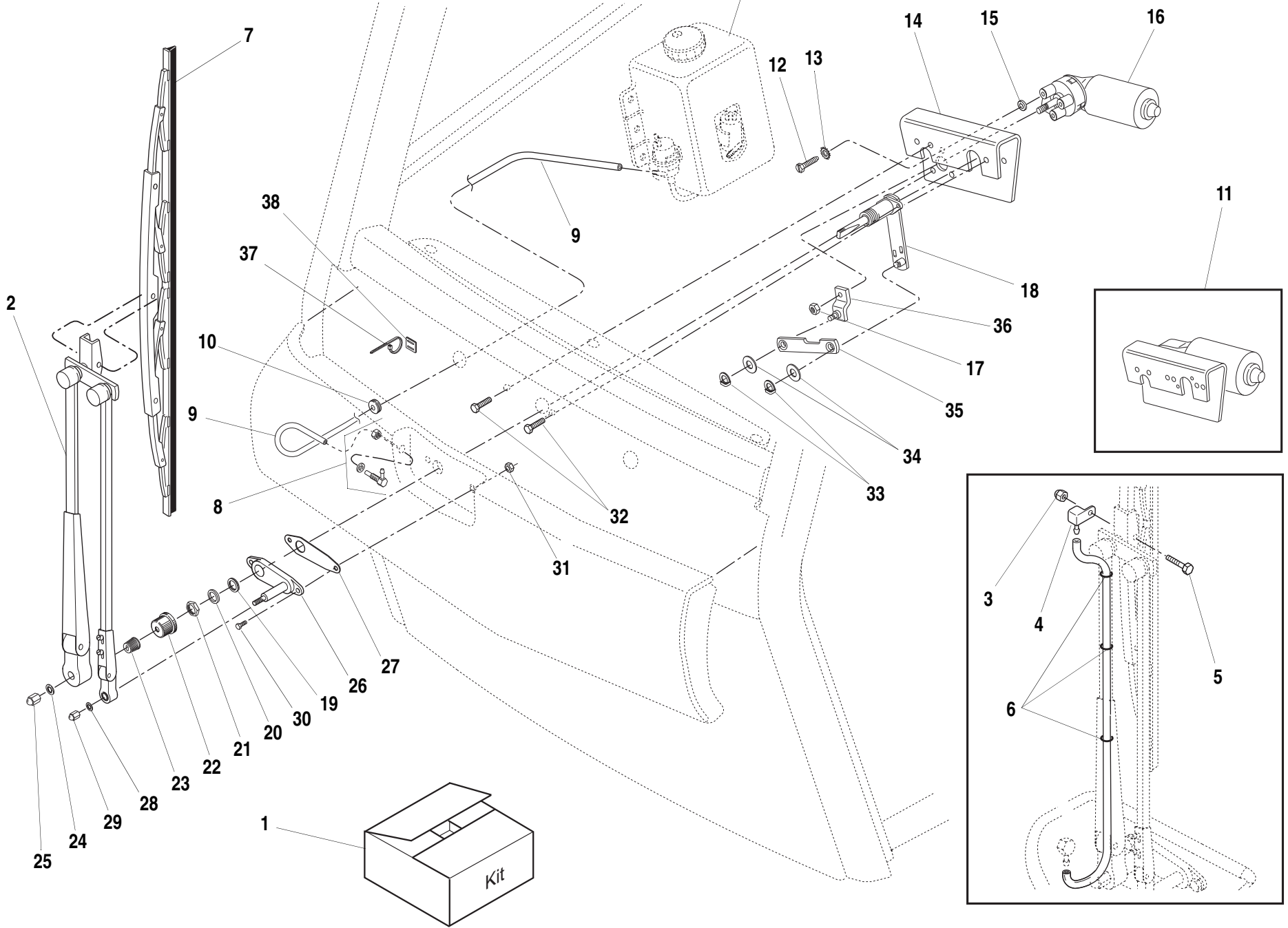
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MMV

Tier 1
Tier 2

DOOR ASSEMBLY

3.11.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8036273	1	Front Windshield Wiper Assembly (Kit Includes Items 2 thru 36)
2	8035393	1	Wiper Arm, 24" Flex (Includes Items 3 thru 6)
3	N.S.S.	1	Locknut
4	N.S.S.	1	Sprayer Nozzle
5	N.S.S.	1	Bolt
6	N.S.S.	3	Clips, Hose
7	8035392	1	Blade, Wiper Flex 28"
8	8035390	1	Wet Kit
9	8035395	1	Hose, Clear Vinyl x 144"
10	8035394	1	Grommet, Rubber 1/4" ID
11	8033102	1	Wiper Motor Assembly (Includes Items 12 thru 17)
12	N.S.S.	3	HHCS, Slotted 1/4"-28 x 3/4"
13	8310002	3	Washer, External Tooth 1/4"
14	N.S.S.	1	Bracket, Wiper Motor
15	8307203	3	Washer, Flat 5/16"
16	N.S.S.	1	Motor, Wiper
17	8305006	1	Nut, Hex Flanged 5/16"-18
18	8866492	1	Wiper Shaft and Pivot Assembly (Includes Items 19 thru 25)
19	N.S.S.	1	Washer, Cardboard
20	N.S.S.	1	Washer, Metal
21	N.S.S.	1	Nut, Hex Jam 11/16"-24
22	N.S.S.	1	Cap, Rubber
23	N.S.S.	1	Driver, Knurled
24	N.S.S.	1	Washer, Internal Tooth Lock 3/8"
25	N.S.S.	1	Nut, Acorn 1/4"-28
26	8034815	1	Panto Adapter Kit (Includes Items 27 thru 29)
27	N.S.S.	1	Gasket, Panto
28	8310029	1	Washer, Internal Tooth Lock 1/4"
29	N.S.S.	1	Nut, Acorn 1/4"-28
30	8033856	2	Screw, Truss Hd. 1/4"-20 x 3/4" - Black
31	8035391	2	Nut, Center Lock - Black
32	80384207	2	Screw, Hex 1/4"-28 x 3/4" - Black
33	N.S.S.	2	Clip, Spring
34	N.S.S.	2	Washer, Special Flat. 560 x .251 x .015

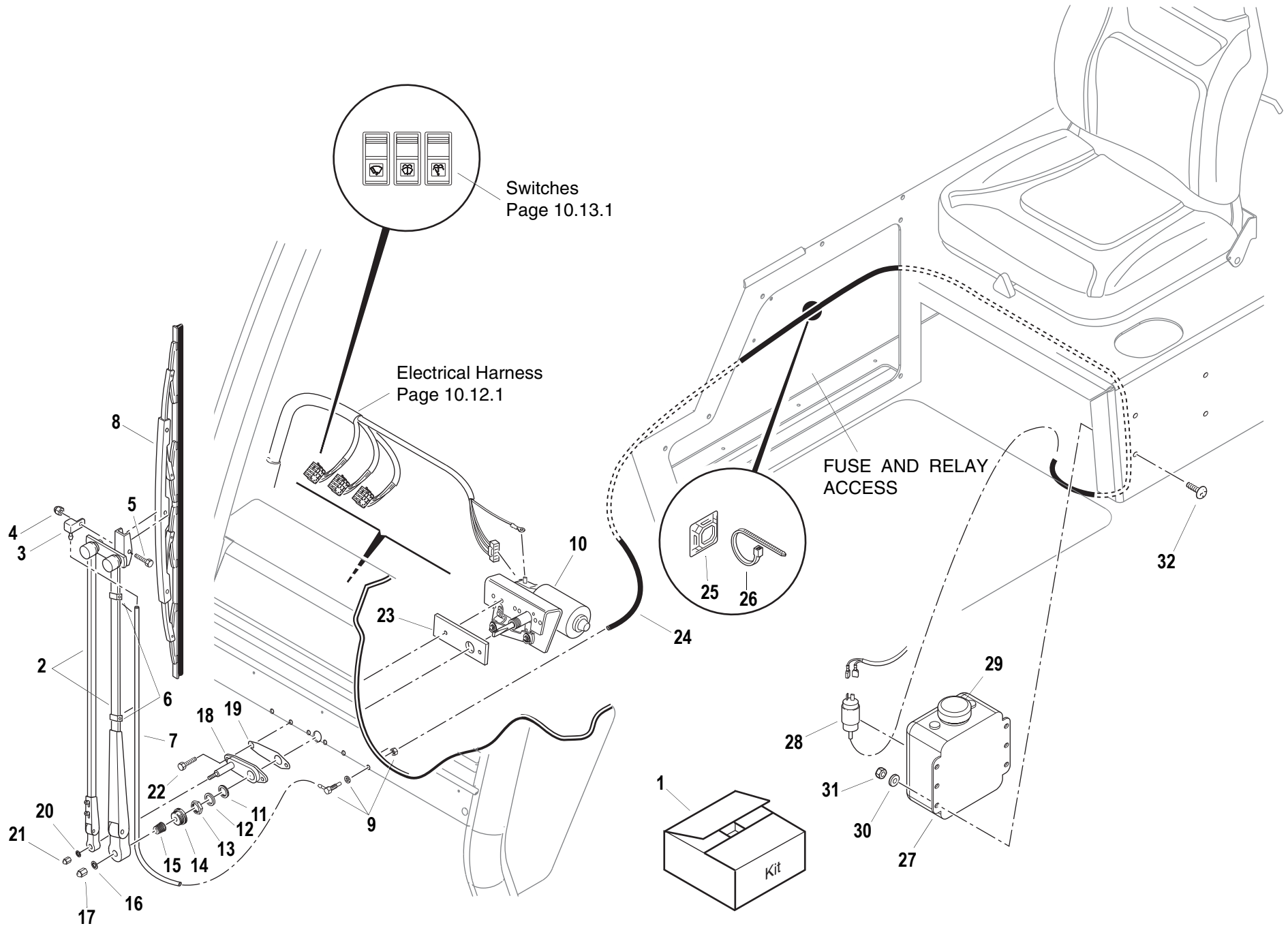
ITEM	PART NO.	QTY.	DESCRIPTION
35	8035409	1	Link, Connecting
36	8035411	1	Drive Arm .95" Long
37	8584001	1	Cable Tie, Plastic
38	8584018	1	Mount, Cable Tie

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FRONT WINDSHIELD WIPER ASSEMBLY 3.12.1

MMV
Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8036668	1	Front Windshield Wiper Assembly (Includes Items 2 thru 23)
2	8035393	1	Wiper Arm, 24" Wet (Includes Items 3 thru 7)
3	N.S.S.	1	Sprayer Nozzle
4	N.S.S.	1	Locknut
5	N.S.S.	1	Bolt
6	N.S.S.	2	Clips, Hose
7	N.S.S.	1	Hose
8	8035392	1	Blade, Wiper Flex 28"
9	8035390	1	Adaptor, Wet Arm
10	8036670	1	Motor Assembly, Front Wiper (Includes Items 11 thru 17)
11	N.S.S.	1	Washer, Cardboard
12	N.S.S.	1	Washer, Metal
13	N.S.S.	1	Nut, Hex Jam, 11/16-24
14	N.S.S.	1	Cap, Rubber
15	N.S.S.	1	Driver, Knurled
16	N.S.S.	1	Washer, Internal Tooth Lock, 3/8"
17	N.S.S.	1	Nut, Acorn, 1/4-28
18	8034815	1	Plate, Panto Mount Assembly (Includes Items 19 thru 21)
19	N.S.S.	1	Gasket, Panto
20	N.S.S.	1	Washer, Internal Tooth Lock 1/4"
21	N.S.S.	1	Nut, Acorn 1/4-28
22	8036669	2	HHCS, 1/4-20 x 1.00"
23	8036671	1	Spacer, Front Wiper Motor
24	8033075	1	Hose, 120" Reservoir
25	8584018	A/R	Mount, Cable Tie
26	8584001	A/R	Cable Tie, Plastic
27	8035410	1	Reservoir Assembly w/Pumps, Washer (Includes Items 28 and 29)
28	N.S.S.	1	Pump, Reservoir
29	N.S.S.	1	Cap, Reservoir
30	8036657	4	Washer, Flat, .250, .562, .049"
31	8036662	4	Nut, Hex, M6 x 1.00
32	8036656	4	Bolt, Pan Head, Phillips, M6x1x16

Origin
6/03

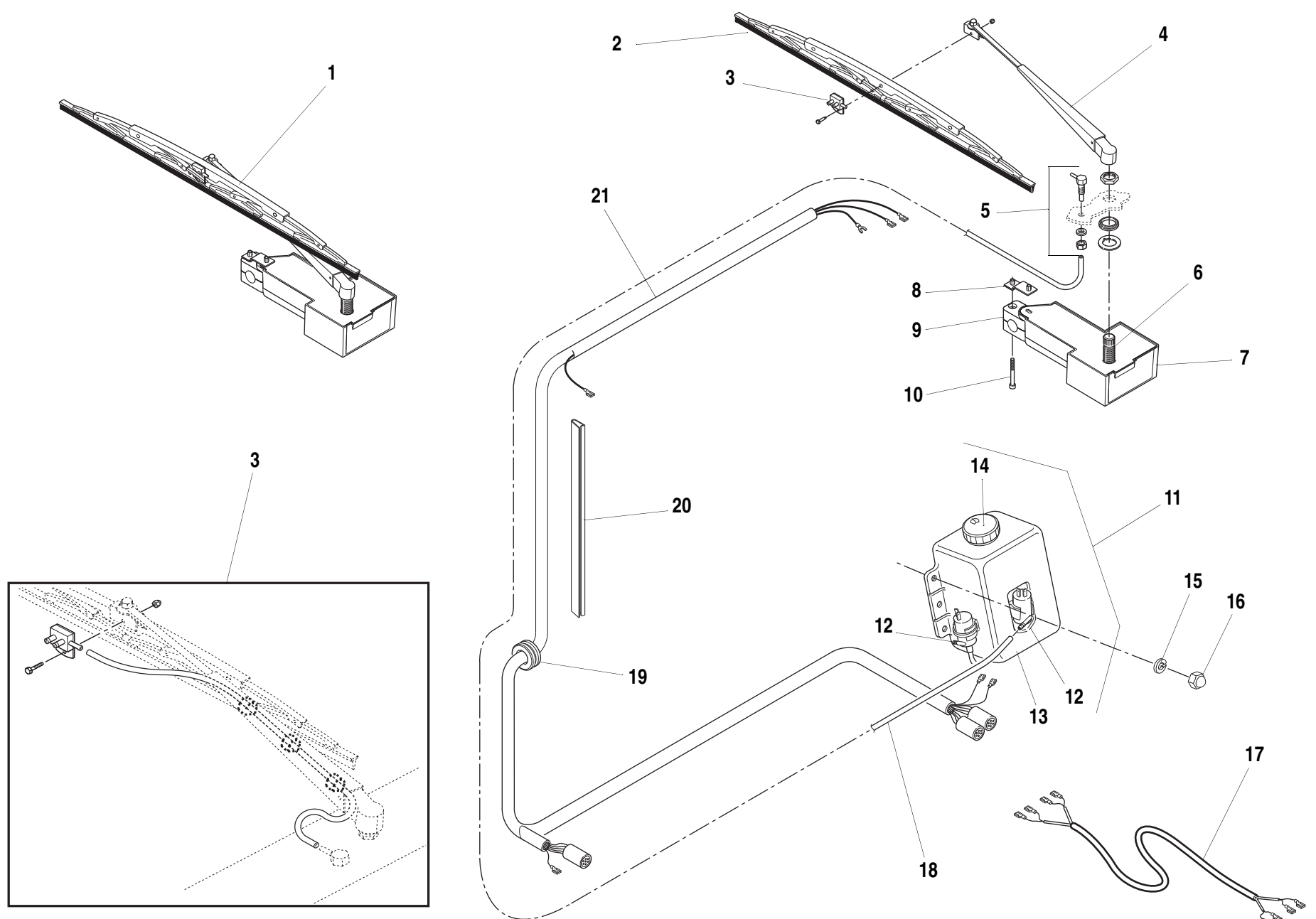
S/N MV201 –

MMV

Tier 1
Tier 2

FRONT WINDSHIELD WIPER ASSEMBLY

3.12.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8036354	1	Wiper Assembly, Skylight Window (Includes Items 2 thru 10)
2	8035498	1	Blade, Wiper 20" Flex - Black
3	8035499	1	Wet Arm Kit
4	8035500	1	Arm, Wiper, Black
5	8035390	1	Wet Arm Adapter
6	8036360	1	Motor, Skylight Wiper
7	8035493	1	Cover, Wiper
8	8036103	1	Mount, Wiper
9	8035496	1	Clamp, Block 3/4"
10	8036102	2	HHCS #10-24 x 1-1/2"
11	8035410	1	Washer Reservoir Assembly (Includes Items 12 thru 14)
12	N.S.S.	2	Pump Motor
13	N.S.S.	1	Reservoir
14	N.S.S.	1	Reservoir, Cap
15	8035416	3	Lock Washer, 1/4" x .49 O.D. x .07
16	8035479	3	Nut Acorn, 1/4"-20, Black
17	7138250	1	Jumper Wire Harness, Washer Bottle
18	8035501	1	Hose, Clear
19	8036371	1	Grommet
20	8035504	1	Conduit, Split 30"
21	8035503	1	Harness, Wiper

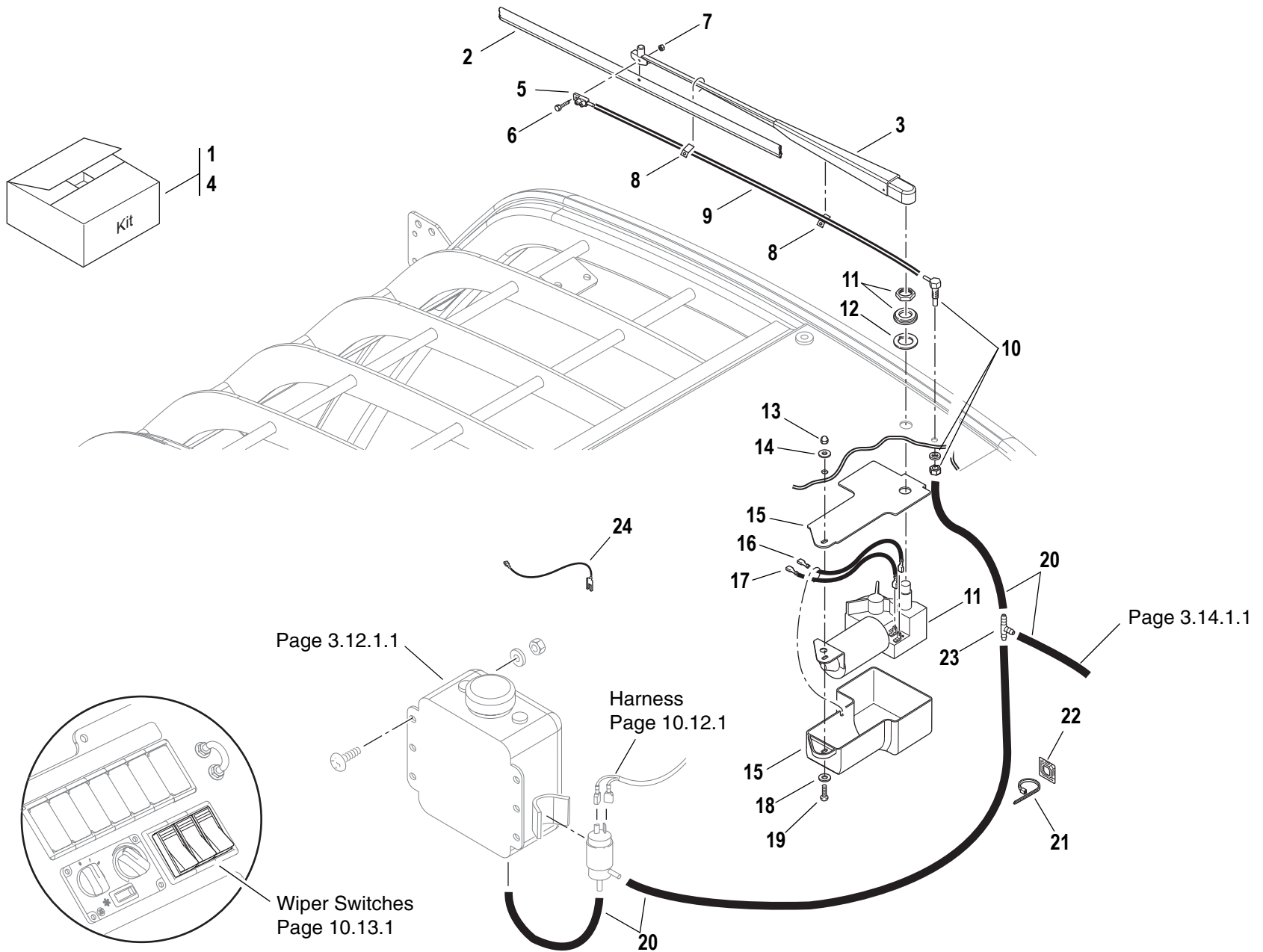
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MMV

Tier 1
Tier 2

SKYLIGHT WIPER ASSEMBLY

3.13.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623863	1	Wiper Assembly, Skylight (Includes Items 2 thru 19)
2	8035498	1	Blade, Wiper, 20" Flex
3	8034807	1	Arm, Wiper, 15"- 19" Adjustable
4	8035499	1	Wet Kit (Includes Items 5 thru 9)
5	N.S.S.	1	Sprayer Nozzle
6	N.S.S.	1	Bolt
7	N.S.S.	1	Locknut
8	N.S.S.	2	Clips, Hose
9	N.S.S.	1	Hose
10	8035390	1	Adaptor, Wet Arm
11	6623865	1	Motor Assembly, Skylight Wiper
12	8034808	1	Spacer, Nylon
13	8034805	1	Nut, Acorn, #10-24
14	8036679	1	Washer
15	8035493	1	Cover, Motor Assembly
16	8036681	1	Jumper Wire, Skylight Park
17	8036682	1	Jumper Wire, Skylight Run
18	8036678	1	Washer, Flat, Black Nylon
19	8036088	1	Screw, Pan Head, #10-24 x 3/4"
20	8033075	1	Hose, Washer, 120"
21	8584001	A/R	Cable Tie, Plastic
22	8584018	A/R	Mount, Cable Tie
23	8036072	1	Connector, Tee (for Washer Hose)
24	8036761	1	Jumper Wire, Skylight Ground

Origin
6/03

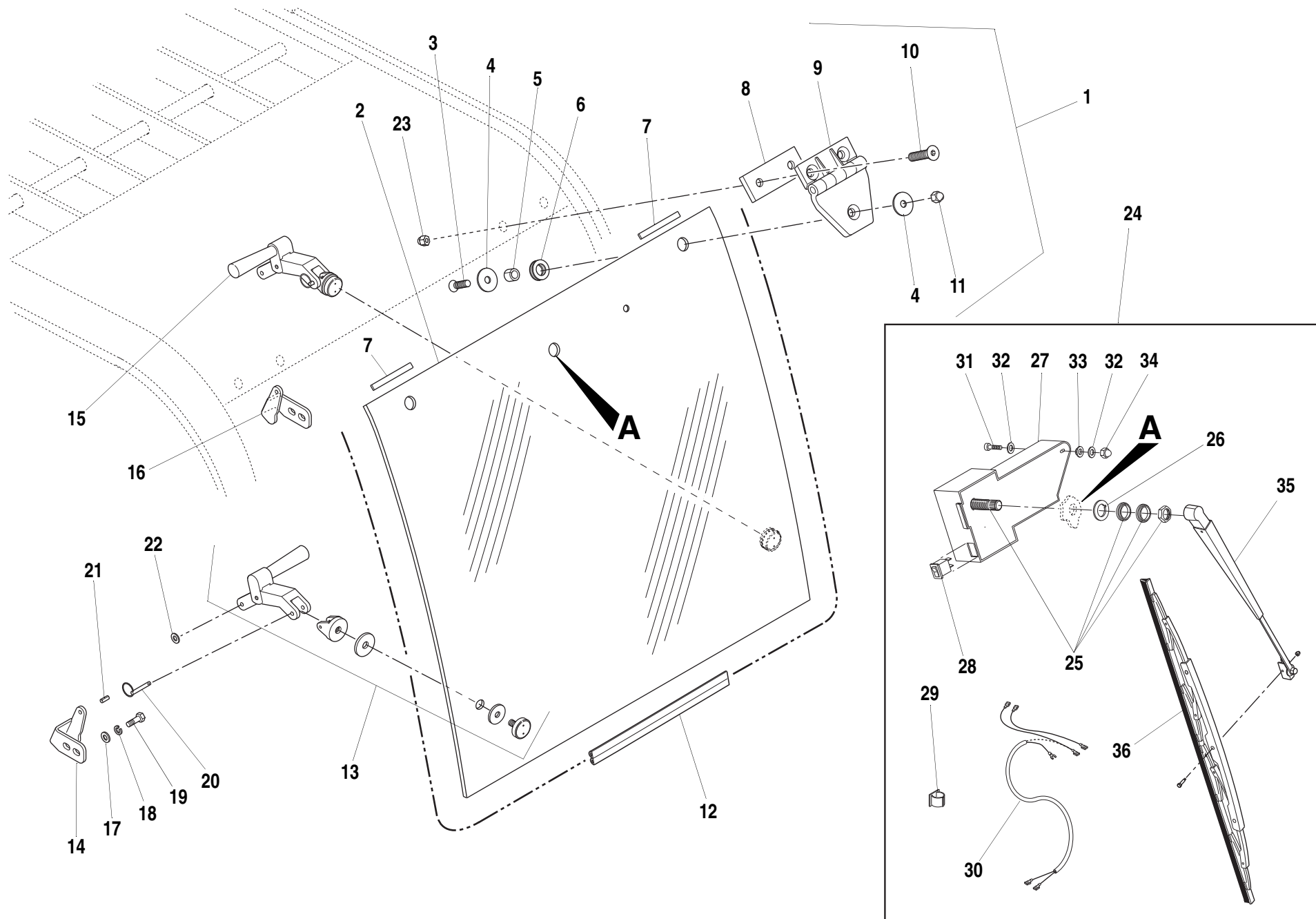
MMV

Tier 1
Tier 2

S/N MV201 –

SKYLIGHT WIPER ASSEMBLY

3.13.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	NLA	1	Rear Window Assembly, (assembly no longer available), (Includes Items 2 thru 23)
2	NLA	1	Glass, (no longer available)
3	8310136	2	Screw, Truss, Hd. 1/4"-20 x 1-1/4"
4	80264082	4	Washer, Flat
5	8035478	2	Bushing, Plastic
6	8035477	2	Grommet
7	8035490	2	Setting Block, 1/8" x 1/4" x 2"
8	8035476	2	Spacer, Hinge
9	8035475	2	Hinge, Plastic
10	8035414	4	Screw, Truss, 1/4"-20 x 1"
11	8035479	2	Nut, Acorn 1/4-20
12	8037206	1	Seal, Bulb "D" x 120"
13	8035480	1	Hold, Open - LH
14	8035482	1	Bracket, Hold Open - LH
15	8035481	1	Hold, Open - RH
16	8035483	1	Bracket, Hold Open - RH
17	8035415	4	Washer, Flat 9/32" x 5/8" Black
18	8035416	4	Washer, Lock 1/4" Black
19	8035487	4	Screw, Truss Hd. 1/4"-20 x 5/8" Black
20	1001109417	2	Pin, Detent Ring
21	8035486	2	Pin, Roll
22	1001108548	2	Washer, Flat 1/4" x .565 OD
23	8036280	4	Rivnut 1/4"-20
24	8036274	1	Wiper Assembly, Rear Window (Includes Items 25 thru 36)
25	8035506	1	Motor, Wiper - Rear Window (Includes 2 Washers and 1 Nut)
26	8034808	1	Spacer, Nylon
27	8035511	1	Cover, Wiper Motor
28	8035509	1	Switch, Rocker SPST
29	8035502	1	Clip, Wiring - Adhesive Back
30	8035510	1	Harness, Wire - Rear Window
31	8035507	1	Screw, Rd. Hd #10-24 x 7/8"
32	8033087	2	Washer, Flat - Nylon Black
33	8034803	1	Grommet, Rubber T-Style
34	8034805	1	Nut, Acorn #10-24

ITEM	PART NO.	QTY.	DESCRIPTION
35	8035500	1	Arm, Wiper, 10.75 - 15 Black
36	8035508	1	Blade, Wiper 1/4" Flex Black

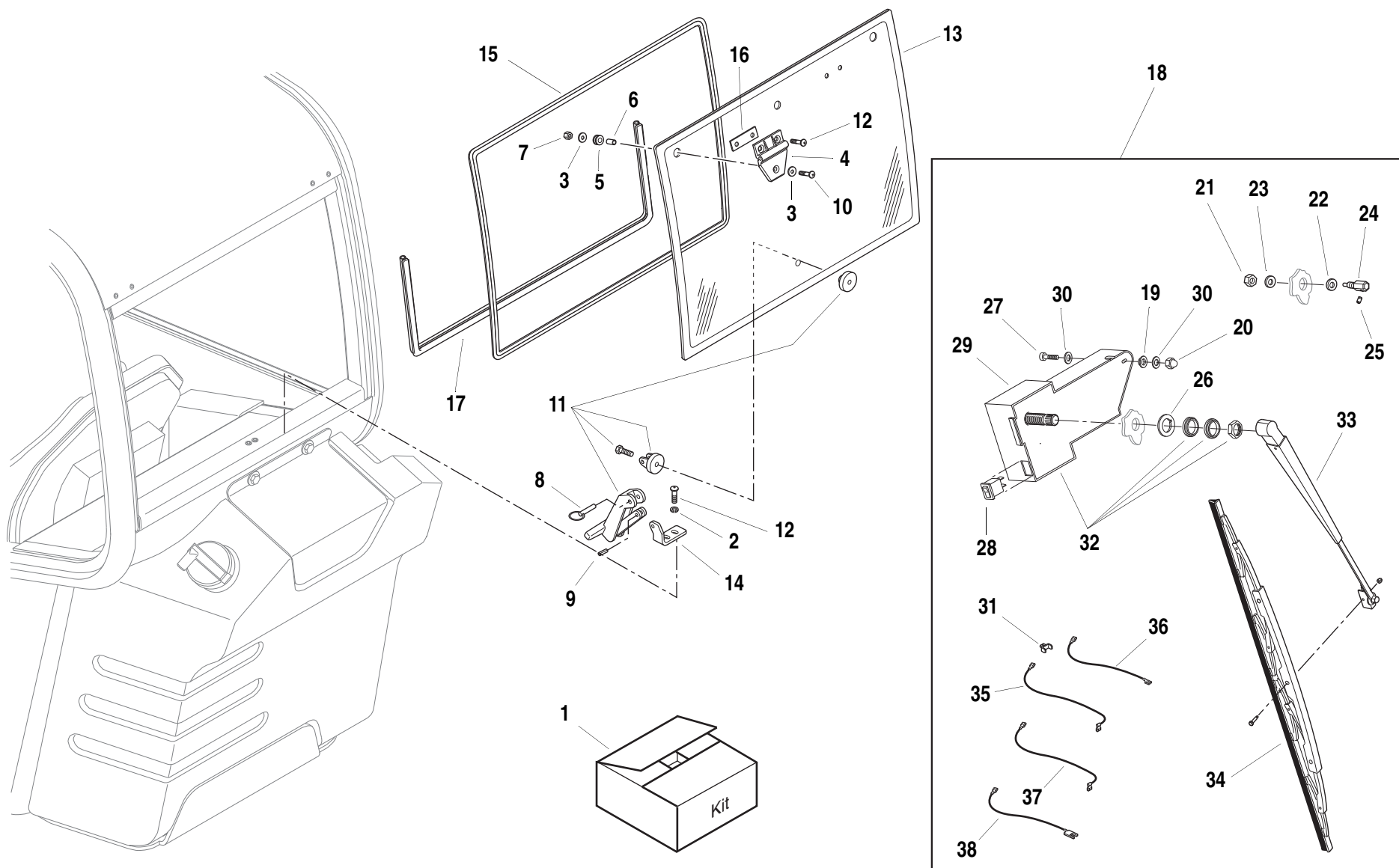
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REAR WINDOW AND WIPER ASSEMBLIES 3.14.1

MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	7301747	1	Window Assembly, Rear (Includes Items 2 thru 17)
2	8035416	2	Washer, Lock 1/4"
3	80264082	4	Washer, Flat 9/32" ID x 1.05" OD
4	8035475	2	Hinge, Plastic
5	8035477	2	Grommet, Rubber
6	8035478	2	Bushing, Plastic
7	8035479	2	Nut, Acorn 1/4-20
8	1001109417	1	Pin, Detent Ring
9	8035486	1	Pin, Roll 3/16" x 1/2"
10	8310136	2	Screw, Truss Hd. 1/4-20 x 1-1/4"
11	1001081280	1	Latch, Window
12	8036673	6	Bolt, Phillips Pan Hd. M6-1.00 x 25mm
13	8036674	1	Glass, Rear Window
14	8036675	1	Mount, Rear Window Latch
15	8036676	1	Seal, Bulb, Rear Window
16	8036672	2	Spacer, Hinge
17	8036734	1	Seal, Rear Window Single "D"
18	6623864	1	Wiper Assembly, Rear Window (Includes Items 19 thru 38)
19	8034803	1	Grommet, Rubber "T" Style
20	8034805	1	Nut, Acorn #10-24
21	8034798	1	Nut, Hex 5/16-18
22	8034804	1	Washer, Weather Tight
23	8034800	1	Washer, Flat, Black Nylon
24	8034801	1	Holder, Nozzle
25	8554008	1	Nozzle, Spray
26	8034808	1	Spacer, Nylon
27	8034811	1	Bolt, Phillips Pan Hd. #10-24 x 7/8"
28	8035509	1	Switch, Rocker SPST
29	8035511	1	Cover, Motor
30	8036678	2	Washer, Black Nylon
31	8036714	1	Adapter, Terminal
32	6623866	1	Motor, Wiper
33	8036716	1	Arm, Wiper
34	8036717	1	Blade, Wiper 12"
35	8036729	1	Wire, Jumper, Rear Wiper Power

ITEM	PART NO.	QTY.	DESCRIPTION
36	8036718	1	Wire, Jumper, Rear Wiper Power
37	8036719	1	Wire, Jumper, Rear Wiper Switch
38	8036761	1	Wire, Jumper, Wiper Ground

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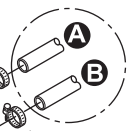
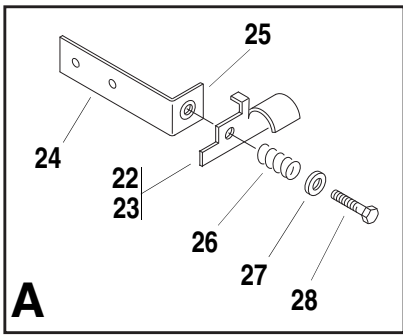
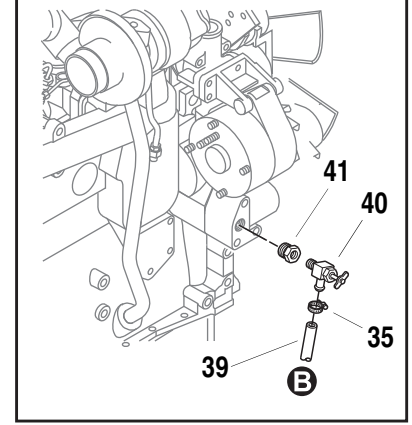
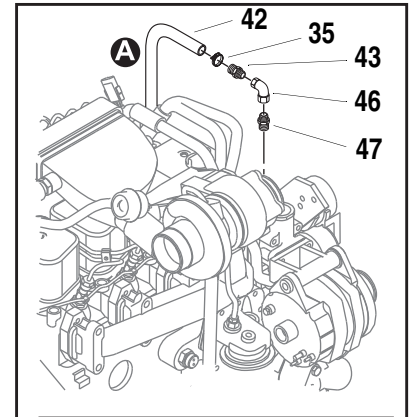
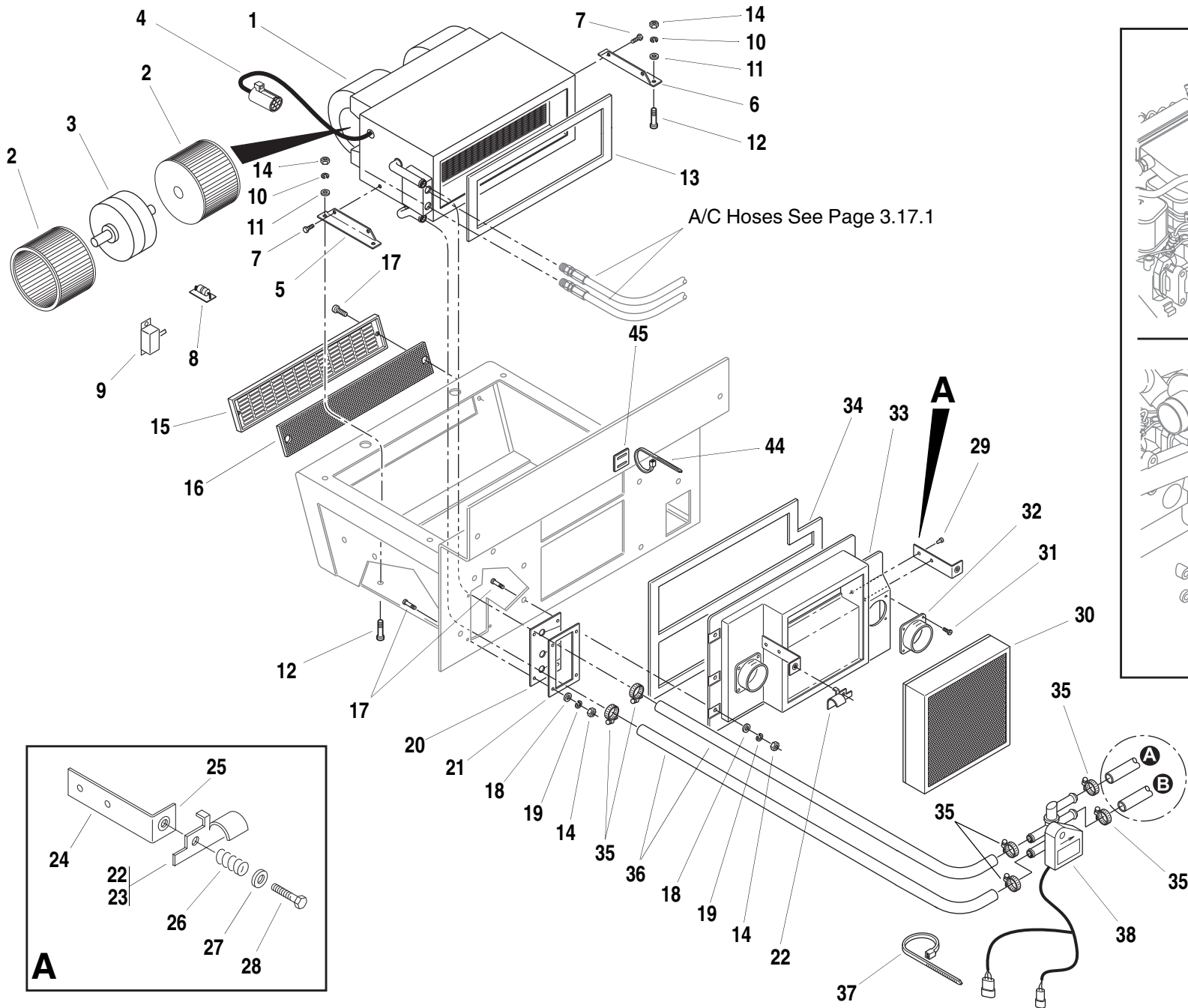
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Tier 1
Tier 2

REAR WINDOW AND WIPER ASSEMBLIES

3.14.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138484	1	Heater-A/C Assembly (Includes Items 2 thru 9)
2	8036301	2	Blower Wheel
3	8036300	1	Motor, 12V
4	8220912	1	Connector, 7 Way 280 Series
5	7139035	1	Angle, LH Side
6	7139036	1	Angle, RH Side
7	8310498	4	Screw, M6 x 12 - Whizlock
8	8036302	1	Resistor, 12V
9	8036548	1	Control, Thermostat
10	8307002	4	Washer, Lock 1/4"
11	8307109	4	Washer, Plain 1/4"
12	8303776	4	Screw, HHC 1/4-20 x 1/2"
13	8033032	1	Sponge Rubber, Adhesive Backed, 80"
14	8035417	13	Nut, Hex 1/4"-20
15	8035434	1	Holder, Foam Filter
16	8035389	1	Foam Filter, Recirculate
17	8035414	11	Screw, 1/4"-20 x 1"
18	8035415	9	Washer, Flat .281 x .625
19	8035416	9	Washer, Lock .254 x .480 - Black
20	8035427	1	Grommet
21	8035428	1	Plate, Grommet
22	8035425	1	Latch, LH - Filter Hold Down
23	8035426	1	Latch, RH - Filter Hold Down
24	8035423	2	Angle, Filter Clamp
25	8035424	2	Rivnut, 5/16" Hex
26	8035432	2	Spring, Compression 1/2" x 7/8"
27	8035435	2	Washer, Flat 5/16"
28	8035433	2	Bolt, Hex 5/16"-18 x 1-1/2" Yellow
29	8035422	4	Rivet, Pop 3/16" x 1/2"
30	8035388	1	Air Filter w/Seal
31	1001081073	8	Screw, Self Tapping #8-32 x 1/2"
32	8035431	2	Adapter, Hose 2-1/2" Dia.
33	8035412	1	Plenum
34	8035430	1	Foam, PSA 3/16" x 5/8" x 84"
35	8410009	8	Clamp, Hose SAE #10
36	7138317	2	Hose, Heater .625 I.D. x 24" Long

ITEM	PART NO.	QTY.	DESCRIPTION
37	8035406	10	Plastic Tie
38	8360015	1	Valve, Heater - Motorized w/Harness
39	7139099	1	Hose, Heater, Engine Inlet 86.5"
40	8360005	1	Valve, Shut-Off
41	8540023	1	Reducer, Pipe Thread 8-6P
42	7139101	1	Hose, Heater, Engine Outlet 153"
43	8430048	1	Reducer, Pipe Thread 10-8P
44	8584001	2	Plastic Tie
45	8584018	2	Mount, Tie
46	8530016	1	Elbow
47	8540016	1	Adapter, Swivel

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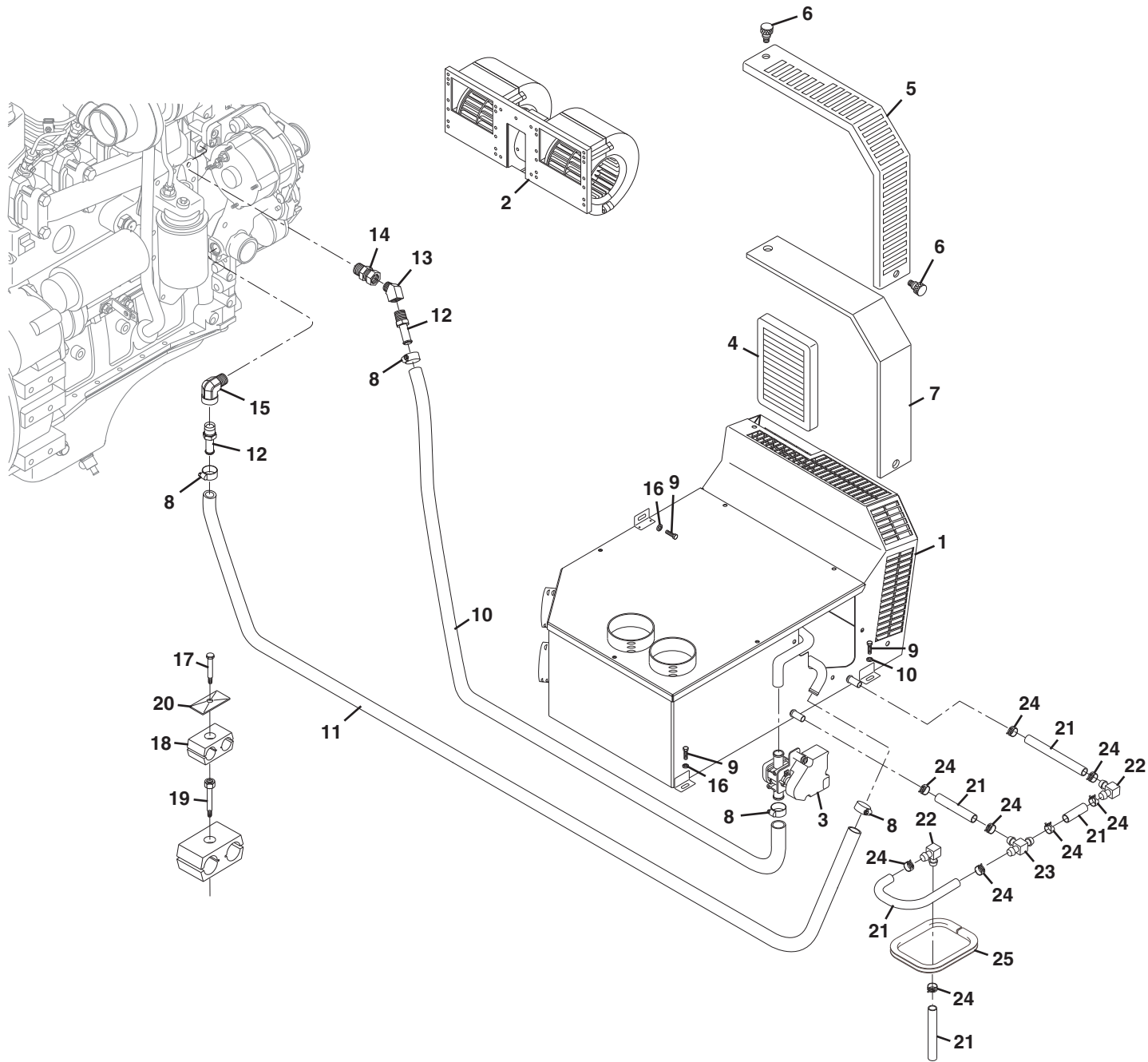
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Tier 1
Tier 2

HEATER SYSTEM

3.15.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7301259	1	Heater/Blower Assembly (Includes 2 thru 7)
2	8036727	1	Blower Motor Assembly
3	7301261	1	Heat Valve Assembly
4	8036725	1	Filter, Fresh Air Intake
5	8036724	1	Cover, Recirculation Filter
6	8036726	2	Screw, Thumb
7	8036723	1	Filter, Foam
8	8410009	4	Clamp, Hose 1.06" Dia.
9	8303606	3	HHCS, M8-1.25 x 20mm PC8.8
10	7301433	1	Hose, Heater Engine Supply
11	7301434	1	Hose, Heater Engine Return
12	8430048	2	Reducer, Hose Barb, Pipe Thread 10-8P
13	8540231	1	Elbow, Street 45° 8P
14	8540016	1	Adapter, Swivel 12-12P
15	8530016	1	Elbow, Street 90°
16	8307222	3	Washer, Plain M8
17	8310701	1	HHCS, M8-1.25 x 45mm
18	8750027	1	Clamp Set, .84 Dia
19	8750035	1	Bolt, Stacking
20	8769128	1	Cover Plate, Twin
21	7029412	AR	Hose, Drain
22	7029413	2	Elbow, Drain 90°
23	7029414	1	Tee, Drain 1/2
24	7029415	9	Clamp, Drain Hose
25	4060805	1.4ft	Flex Trim
	2915028	1	Drain Kit, (includes 21 thru 24)

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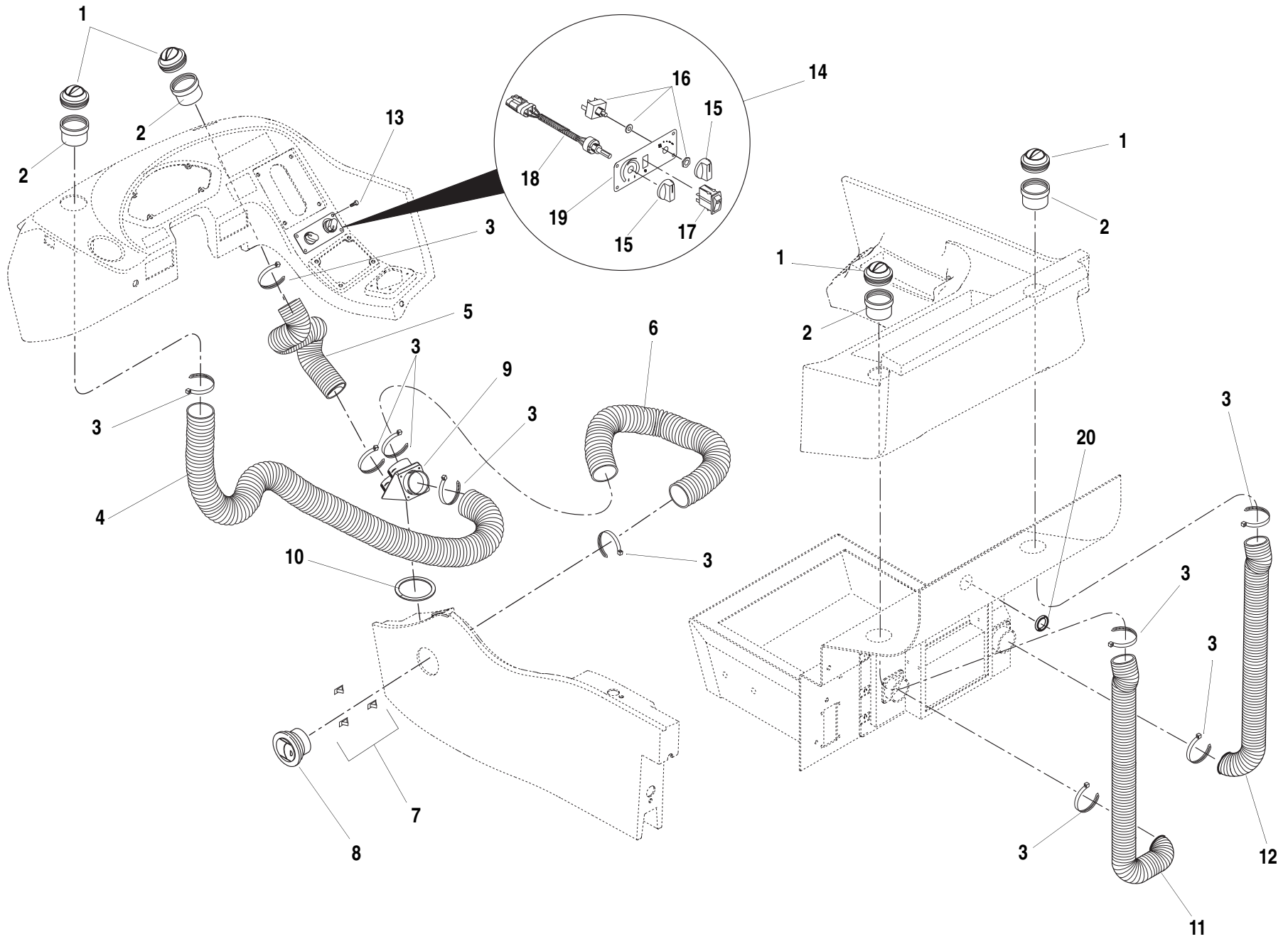
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Tier 1
Tier 2

S/N MV201 –

HEATER SYSTEM

3.15.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8036277	4	Louver, Ball, 2" w/Ring
2	8036468	4	Connector, Hose 2.5"
3	8035406	10	Tie Strap, Nylon 3/16" Wide x 12" Long
4	8035405	1	Hose, Flex 2-1/2" Dia. Front LH Vent - 40" Long
5	8035404	1	Hose, Flex 2-1/2" Dia. Front RH Vent - 30" Long
6	8035403	1	Hose, Flex 2-1/2" Dia. Center Vent - 18" Long
7	6620971	3	Clips
8	8035402	1	Louver, Round
9	8036299	1	Vent Manifold Assembly
10	8033032	1	Sponge Rubber, Adhesive Backed
11	8035400	1	Hose, Flex 2-1/2" Dia. Rear LH Vent - 37" Long
12	8035399	1	Hose, Flex 2-1/2" Dia. Rear RH Vent - 33" Long
13	1001081073	4	Screw, Self Tapping #8-32 x 1/2"
14	7138485	1	Panel, Control, Air Conditioner and Heater (Includes Items 15 thru 19)
15	8036438	2	Knob, Control (Includes setscrew)
16	8036463	1	Switch, Blower
17	7301265	1	Switch, A/C On-Off Rocker (Green)
18	8036462	1	Switch, Temperature Control
19	N.S.S.	1	Plate, Control (Order 14)
20	7124531	1	Conduit, 1/4" x 5" Long

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3/09

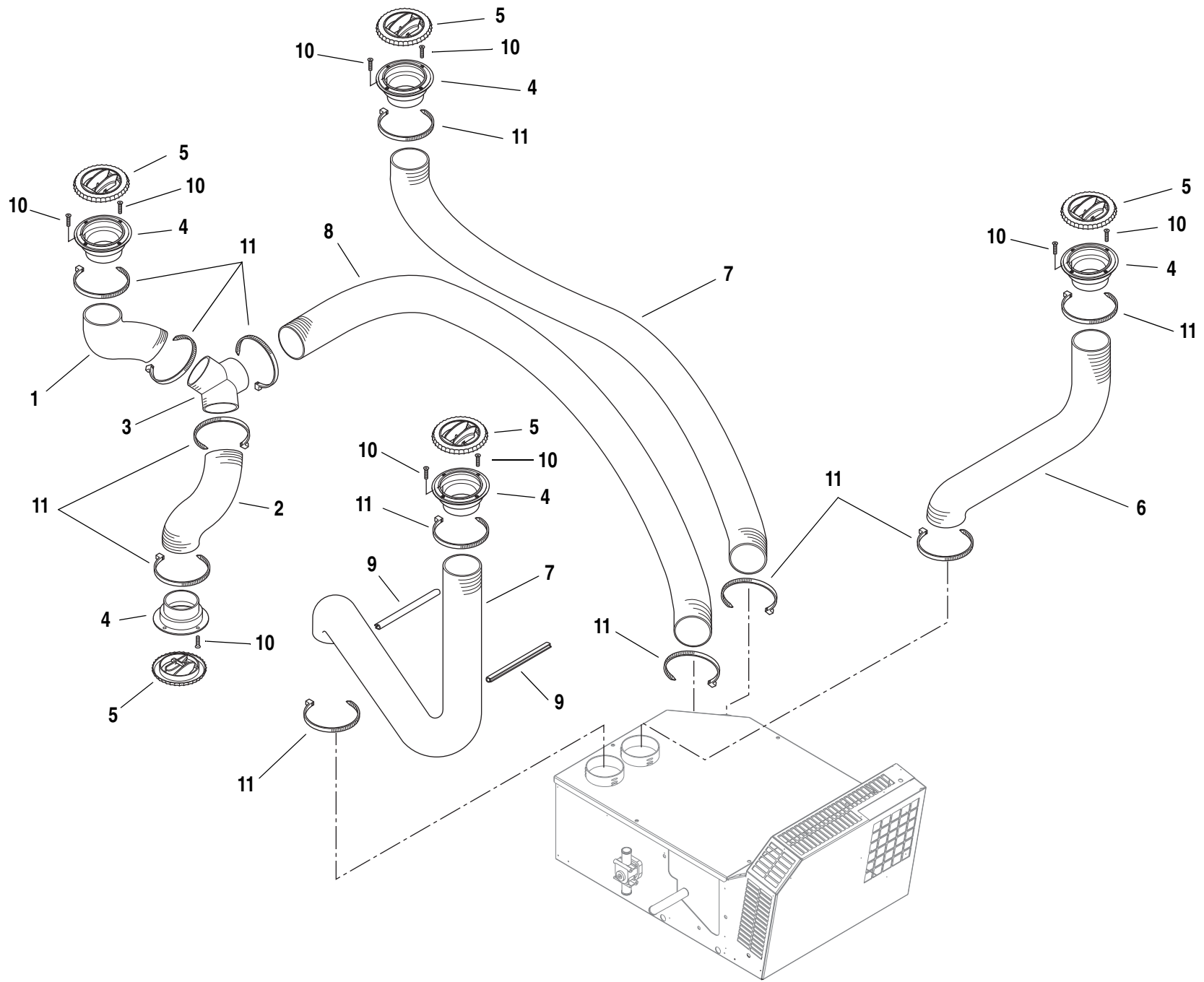
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Tier 1
Tier 2

VENTILATION HOSES AND VENTS

3.16.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7301457	1	Hose, Air Duct 63,5 mm x 254 mm Lg
2	7301458	1	Hose, Air Duct 63,5 mm x 457 mm Lg
3	7301476	1	Adapter, Y-Splice
4	7301478	5	Adapter, Hose
5	7301479	5	Louver, Rotating/Closing
6	7301657	1	Hose, Air Duct 63,5 mm x 1000 mm Lg
7	7301658	2	Hose, Air Duct 63,5 mm x 1600 mm Lg
8	7301659	1	Hose, Air Duct 63,5 mm x 1900 mm Lg
9	7301660	2	Moulding, Edge
10	8310726	10	Screw, Self Tapping, Oval Countersunk
11	8584003	12	Tie Wrap, Plastic

Origin
6/03

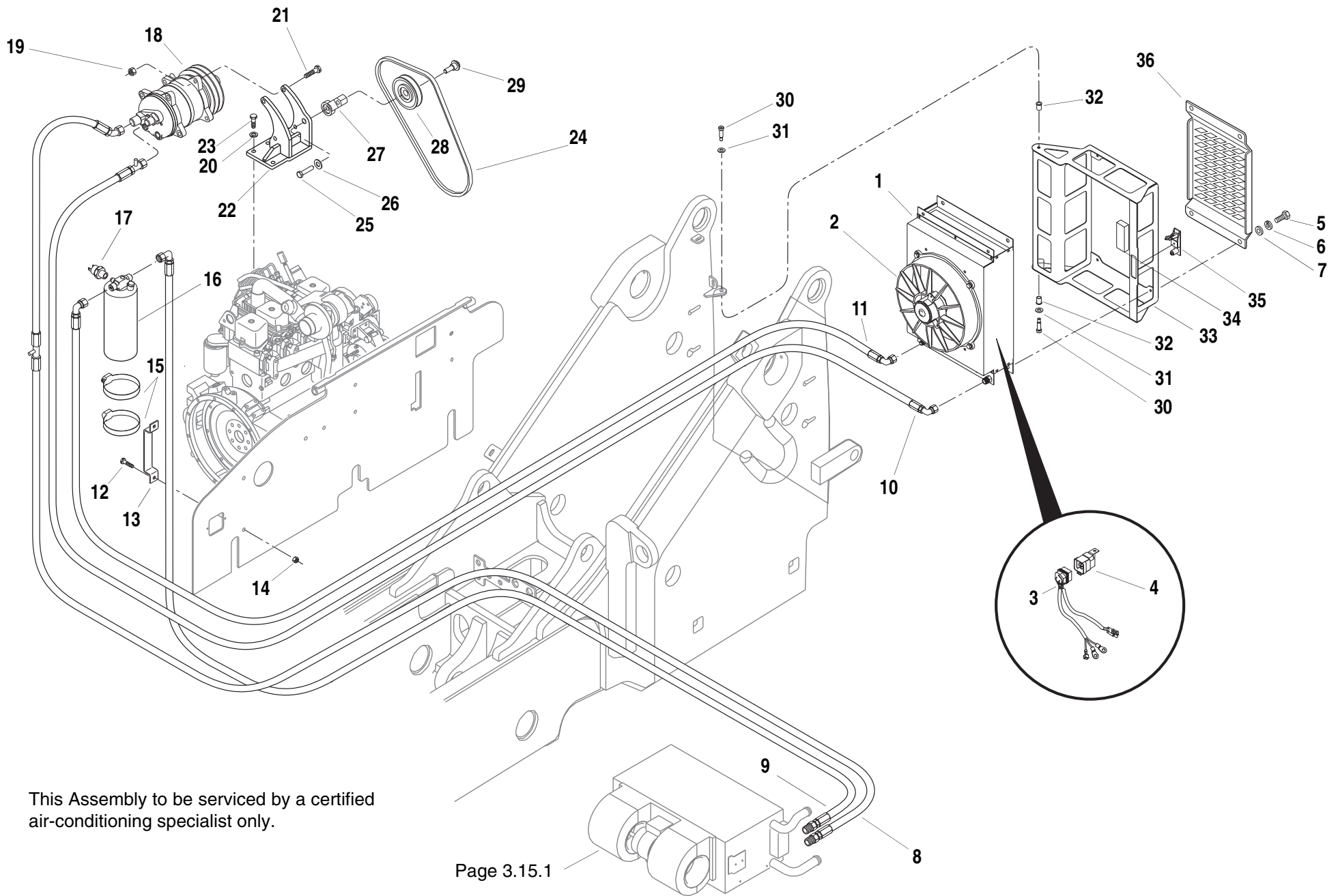
S/N MV201 –

MMV

Tier 1
Tier 2

VENTILATION HOSES AND VENTS

3.16.1.1



This Assembly to be serviced by a certified air-conditioning specialist only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623568	1	Condenser, Remote Mount, Fan, 24 Volt (Includes Item 2 thru 4)
2	8036466	1	Fan Assembly
3	8036464	1	Wiring Harness, 24 Volt
4	8036465	1	Relay, 12 Volt
5	8303606	4	HHCS, M8 x 1.25 x 20mm
6	8307022	4	Washer, Lock M8
7	8307222	4	Washer, Plain M8
8	2716871	1	Hose, Compressor In
9	2716872	1	Hose, Drier Out
10	2716852	1	Hose, Condenser In
11	2716851	1	Hose, Condenser Out
12	8303540	2	HHCS, 1/4"-20 x 1"
13	7138478	1	Bracket, Air Conditioner Drier
14	8305624	4	Nut, Hex Lock Elastic 1/4"-20
15	8405204	2	Clamp, Gear
16	7138483	1	Drier, Air Conditioner, Receiver
17	8223531	1	Switch, Air Conditioner, Pressure
18	8276018	1	Compressor, A/C 12 Volt
19	8305630	2	Nut, Hex Lock Elastic M10 x 1.5
20	8307023	3	Washer, Lock M10
21	8310592	4	HHCS, M10 x 1.5 x 35mm
22	7139982	1	Bracket, A/C Compressor
23	8310688	3	HHCS, M10 x 1.5 x 30mm
24	7139517	1	V-Belt, Compressor
25	8310117	1	HHCS, 1/2-20 x 1-1/2"
26	8307112	1	Washer, Flat 1/2"
27	8036448	1	Bar, Belt Tensioner
28	8036449	1	Pully, Idler
29	8036450	1	Bolt, Shoulder
30	8310580	2	Bolt, Shoulder, Socket Hd. , 5/16-18 x 1"
31	8307110	A/R	Washer, Flat 3/8", Narrow
32	8070018	2	Bushing, Flanged
33	6623560	1	Cover, Rear Frame
34	7300267	1	Pad, Neoprene Foam
35	8342416	1	Latch, Adjustable Trigger
36	6623589	1	Guard, Condenser

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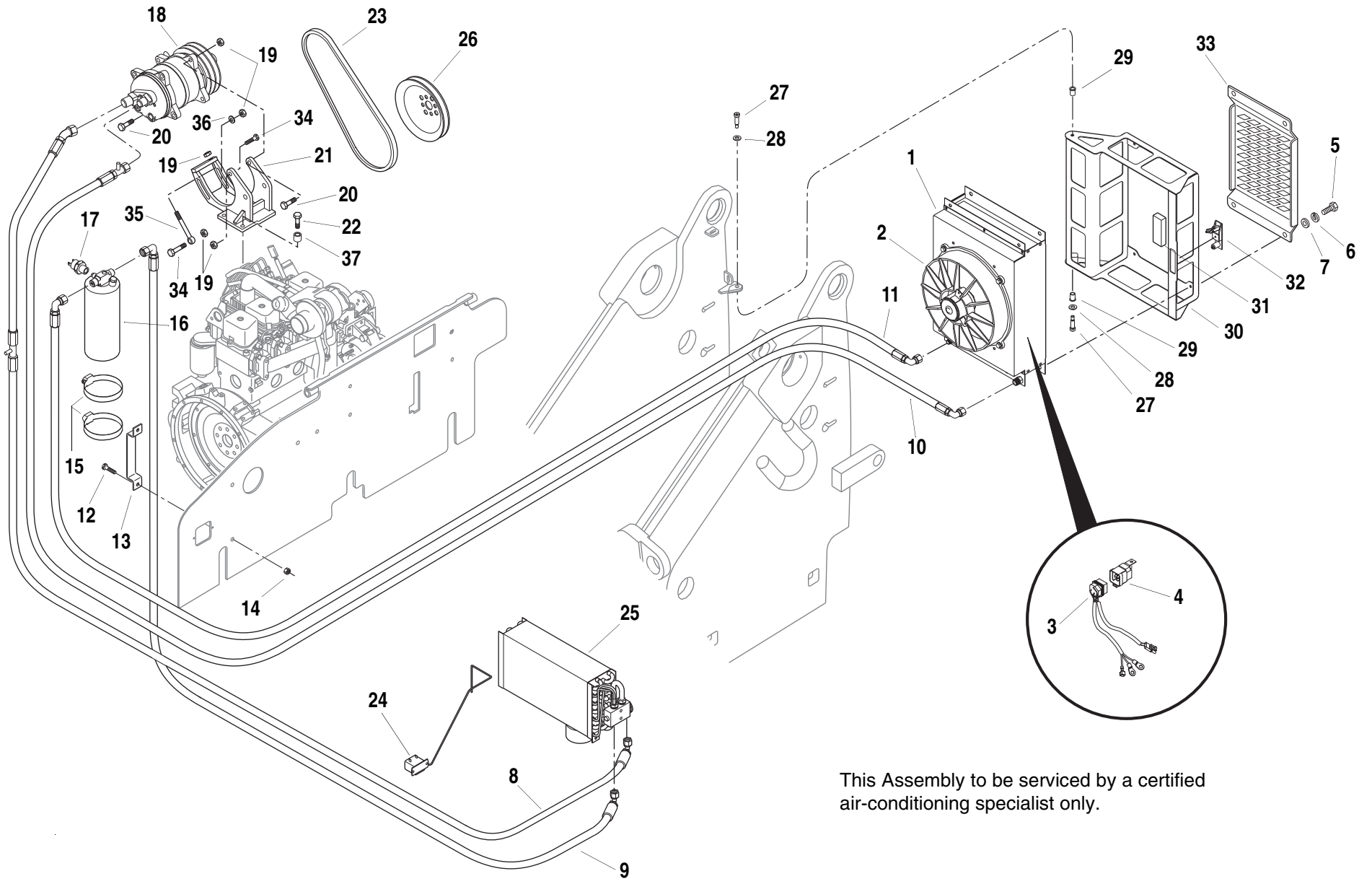
S/N MV006 – MV200

MMV

Tier 1
Tier 2

AIR CONDITIONING SYSTEM

3.17.1



This Assembly to be serviced by a certified air-conditioning specialist only.

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623568	1	Condenser, Remote Mount, Fan, 24 Volt (Includes Item 2 thru 4)
2	8036466	1	Fan Assembly
3	8036464	1	Wiring Harness, 24 Volt
4	8036465	1	Relay, 12 Volt
5	8303606	4	HHCS, M8 x 1.25 x 20mm
6	8307022	4	Washer, Lock M8
7	8307222	4	Washer, Plain M8
8	6623833	1	Hose, Compressor In
9	6623834	1	Hose, Drier Out
10	2716852	1	Hose, Condenser In
11	2716851	1	Hose, Condenser Out
12	8303540	2	HHCS, 1/4-20 x 1"
13	7138478	1	Bracket, Air Conditioner Drier
14	8305624	2	Nut, Hex Lock Elastic 1/4-20
15	8405204	2	Clamp, Gear, 3.25" Dia
16	7138483	1	Drier, Air Conditioner, Receiver
17	8223531	1	Switch, Air Conditioner, Pressure
18	8276018	1	Compressor, A/C 12 Volt
19	8305630	5	Nut, Hex Lock Elastic M10 x 1.5
20	8310534	3	HHCS, M10 x 1.5 x 40mm
21	7301782	1	Bracket, A/C Compressor
22	8310592	3	HHCS, M10 x 1.5 x 35mm
23	7301815	1	V-Belt, Compressor
24	7301302	1	Thermostat
25	7301262	1	Coil, Evaporator
26	7138361	1	Pully, Idler
27	8310580	2	Bolt, Shoulder, Socket Hd. , 5/16-18 x 1"
28	8307110	A/R	Washer, Flat 3/8", Narrow
29	8070018	2	Bushing, Flanged
30	6623560	1	Cover, Rear Frame
31	7300267	1	Pad, Neoprene Foam
32	8342416	1	Latch, Adjustable Trigger
33	6623589	1	Guard, Condenser
34	8310736	2	HHCS, M10 x 1.5 x 50mm
35	8310737	1	Rod End, M10 x 1.5 x 100mm
36	8307221	1	Washer, Plain M10

ITEM	PART NO.	QTY.	DESCRIPTION
37	7130131	3	Spacer, .490 Lg

Origin
7/09

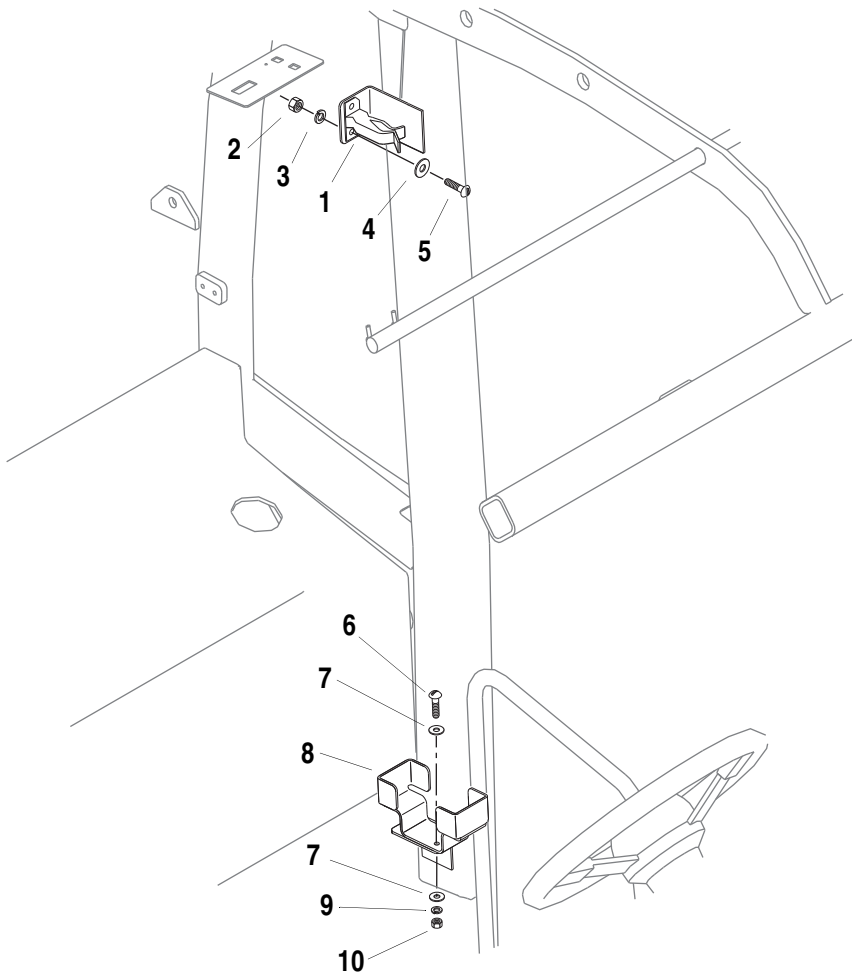
S/N MV201 -

MMV

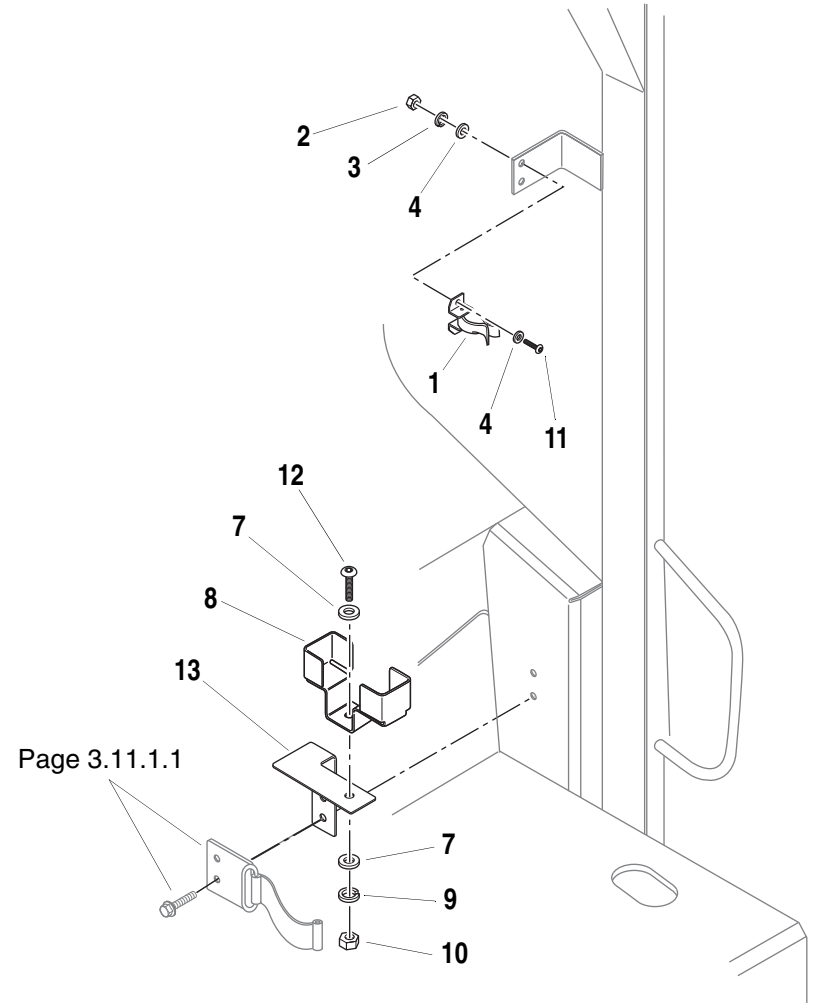
Tier 1
Tier 2

AIR CONDITIONING SYSTEM

3.17.1.1



(S/N MV006 - MV200)



Page 3.11.1.1

(S/N MV201 and After)

ITEM	PART NO.	QTY.	DESCRIPTION
1	6620962	1	Clamp, Rifle, Locking Mount
2	8305002	2	Nut, Hex #10-24
3	8307003	2	Washer, Lock #10
4	8307111	4	Washer, Flat #10 (S/N MV006 - MV200 use Qty. 2)
5	8303835	2	Screw, Slotted, Ph., #10-24 x 1/2" (S/N MV006 - MV200)
6	8303847	1	Screw, Slotted, Ph., 1/4"-20 x 3/4" (S/N MV006 - MV200)
7	8307109	2	Washer, Flat 1/4"
8	6620973	1	Mount, Rifle Butt
9	8307002	1	Washer, Lock 1/4"
10	8305004	1	Nut, Hex 1/4"-20
11	8310362	2	Screw, Button Head Cap #10-24 x 1/2" (S/N MV201 and After)
12	8310400	1	Screw, Button Head Cap 1/4"-20 x 3/4" (S/N MV201 and After)
13	8036728	1	Bracket, Lower Rifle (S/N MV201 and After)

Origin
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MMV

Tier 1
Tier 2

WEAPON MOUNT

3.18.1

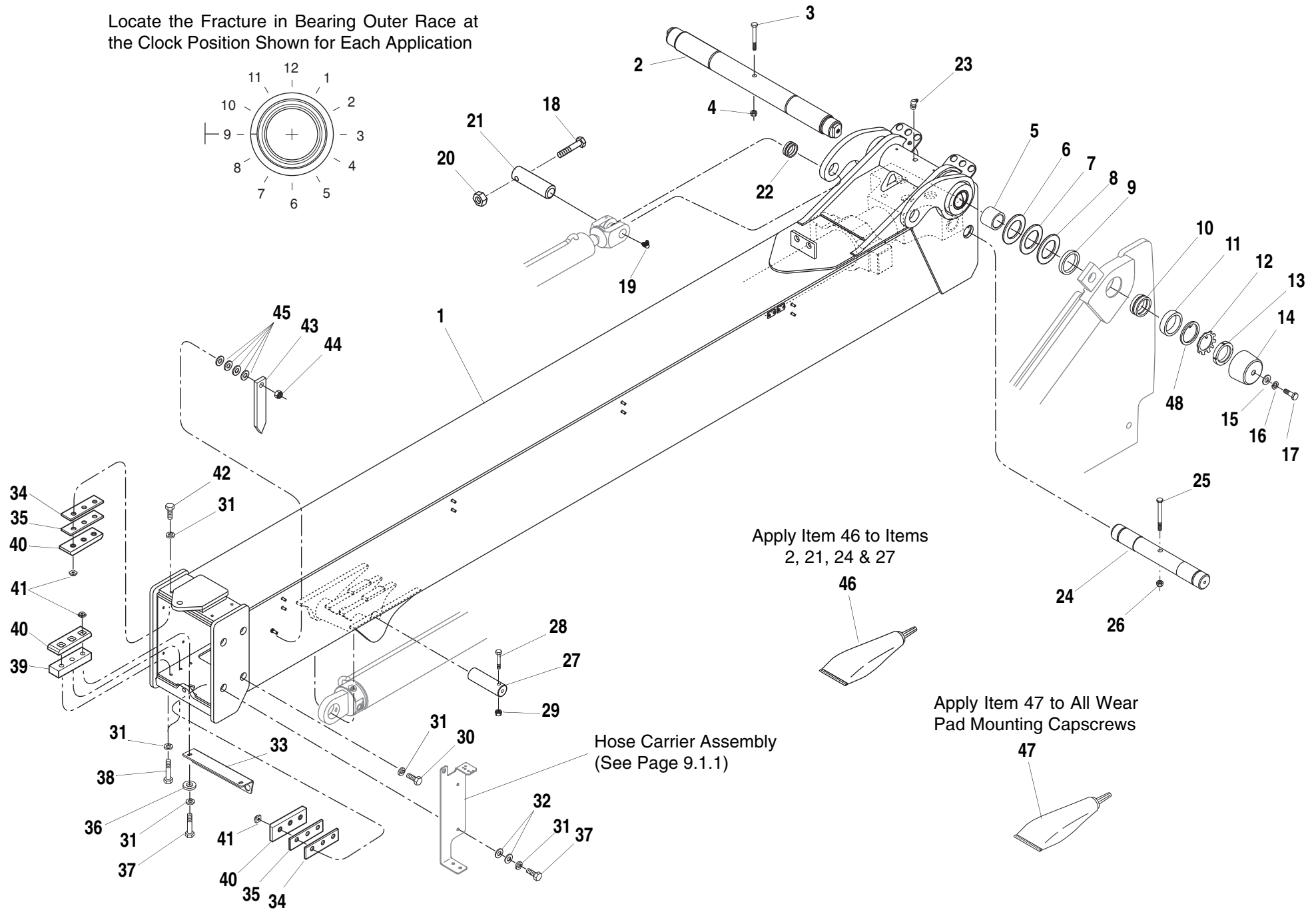
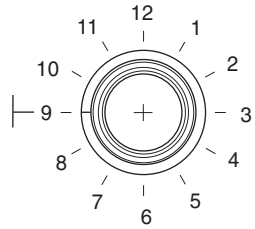
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Locate the Fracture in Bearing Outer Race at the Clock Position Shown for Each Application



Hose Carrier Assembly
(See Page 9.1.1)

Apply Item 47 to All Wear
Pad Mounting Capscrews

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623321	1	Boom, Outer (Includes Item 5)
2	7139405	1	Pin, Boom Pivot
3	8310076	1	HHCS, 5/8-11 x 7" Gr. 5
4	8305643	1	Nut, Hex Lock Elastic 5/8"-11
5	7137772	2	Bushing, Boom Pivot
6	8307912	2	Shim, 3.06" x 0.06" x 4.75"
7	8307913	2	Shim, 3.06" x 0.12" x 4.75"
8	8310259	2	Shim, 3.06" x 0.09" x 4.75"
9	7139330	2	Spacer
10	8050007	2	Bearing, Self Align
11	7139331	2	Spacer
12	8310531	2	Washer, Lock, Ext. Tooth
13	8310532	2	Nut, Lock, Bearing Retention
14	7139554	2	Cap, Boom Pivot Pin
15	8307104	2	Washer, Flat 3/4" Narrow
16	8307010	2	Washer, Lock 3/4"
17	8310549	2	HHCSF 3/4-10 x 1" GR. 5
18	8303752	2	HHCS, 5/16-18 X 3-1/2"
19	8520003	2	Fitting, Lube, 90°
20	8305626	2	Nut, Hex Lock Elastic 5/16-18
21	7137142	2	Pin, Slave Cylinder
22	8050001	2	Bearing, Self Align
23	8520021	2	Fitting, Lubrication 90°
24	7139158	1	Pin, Trunnion
25	8310209	1	HHCS 1/2-13 x 6" Gr. 5
26	8305644	1	Nut, Hex Lock Elastic, 1/2"-13
27	7139325	1	Pin, Hoist Cylinder
28	8310295	1	HHCSF 3/4-10 x 5-1/2" GR. 5
29	8310067	1	Nut, Hex Lock Elastic 3/4"-10
30	8303681	6	HHCS, 3/8-16 x 3/4" Gr. 5
31	8307005	18	Washer, Lock 3/8"
32	8307110	4	Washer, Flat 3/8" Narrow
33	6623499	1	Bracket, Bulkhead, Boom Tube
34	7126172	A/R	Shim, Wear Pad .13" Thk.
35	7126182	A/R	Shim, Wear Pad .07" Thk.
36	8307204	2	Washer, Flat 3/8"

ITEM	PART NO.	QTY.	DESCRIPTION
37	8303679	4	HHCS, 3/8-16 x 1-3/4" Gr. 5
38	8303621	4	HHCS, 3/8-16 x 1-1/2" Gr. 5
39	7135442	2	Spacer, Wear Pad
40	7111572	8	Wear Pad
41	7135432	18	Insert, Wear Pad
42	8303622	4	HHCS, 3/8-16 X 2" Gr. 5
43	7075611	1	Pointer, Boom Angle Indicator
44	8305647	1	Nut, Hex Lock 7/16-14
45	8307113	5	Washer, Flat 7/16" Narrow
46	8522012	A/R	Lube, Anti-Seize
47	8526007	A/R	Thread Locking Compound
48	8310589	2	Washer, Tougued

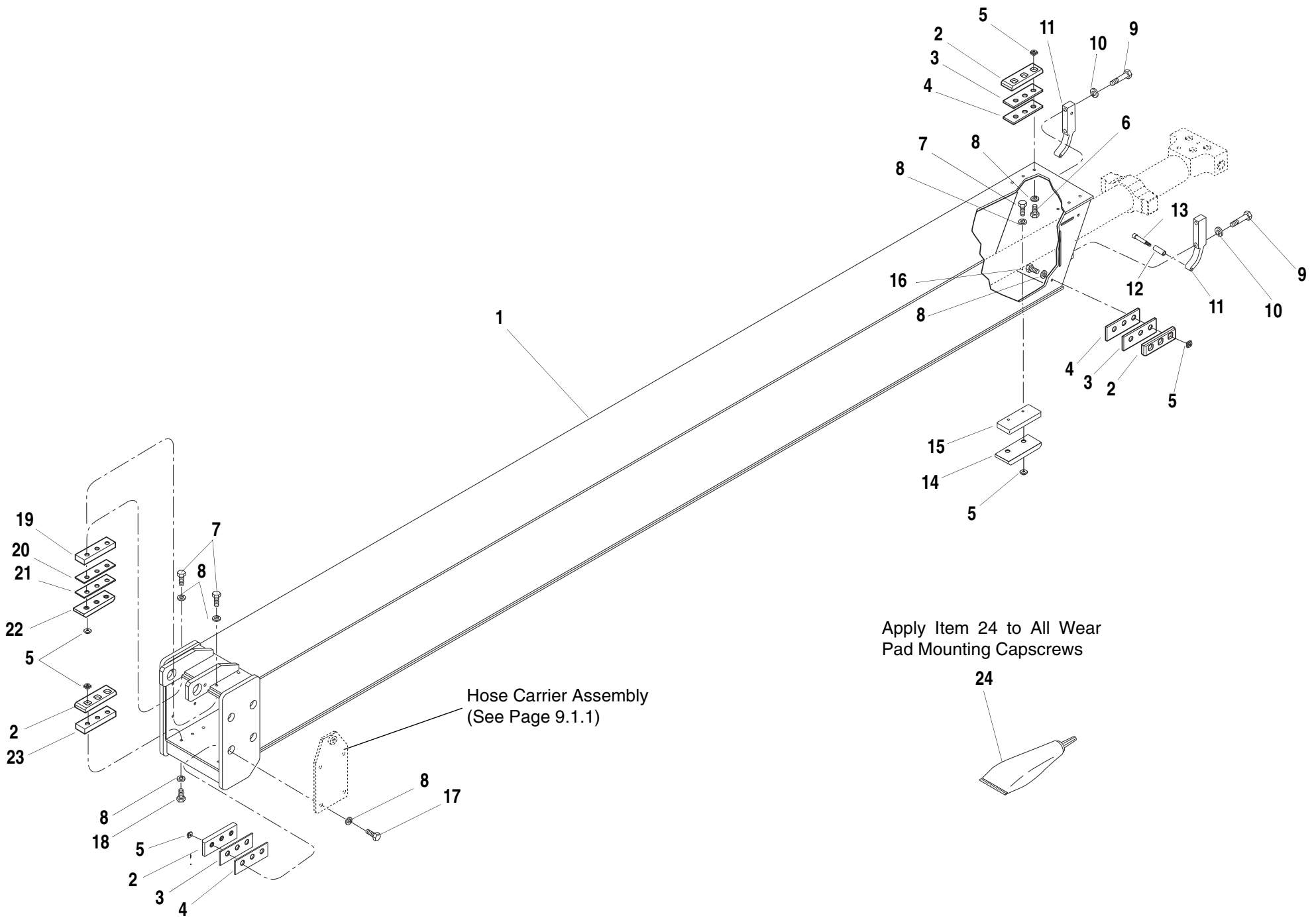
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OUTER BOOM ASSEMBLY **4.1.1**

MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623407	1	Boom, Intermediate
2	7111572	12	Pad, Wear
3	7126182	A/R	Shim, Wear Pad .07" thk
4	7126172	A/R	Shim, Wear Pad .13" thk
5	7135432	36	Insert, Wear Pad
6	8303620	6	HHCS, 3/8-16 x 1" Gr.5
7	8303771	8	HHCS, 3/8-16 x 2-1/4" Gr. 5
8	8307005	36	Washer, Lock 3/8"
9	8303641	4	HHCS, 3/4-10 x 4-1/2" Gr. 5
10	8307010	4	Washer, Lock 3/4"
11	7139780	2	Clamp, Extend Cylinder Trunnion
12	7139781	2	Roller, Long
13	8310514	2	Bolt, Shoulder, Socket Hd. 1/2 x 1-3/4 x 3/8-16
14	7139019	2	Pad, Wear
15	7139018	2	Spacer, Wear Pad
16	8303681	12	HHCS, 3/8-16 x 3/4" Gr.5
17	8303622	4	HHCS, 3/8-16 x 2" Gr. 5
18	8303621	6	HHCS, 3/8-16 x 1-1/2" Gr.5
19	7139975	2	Spacer, Wear Pad
20	7139976	A/R	Shim, Wear Pad
21	7139977	A/R	Shim, Wear Pad
22	7139979	2	Pad, Wear (Special)
23	7135442	2	Spacer, Wear Pad
24	8526007	A/R	Thread Locking Compound

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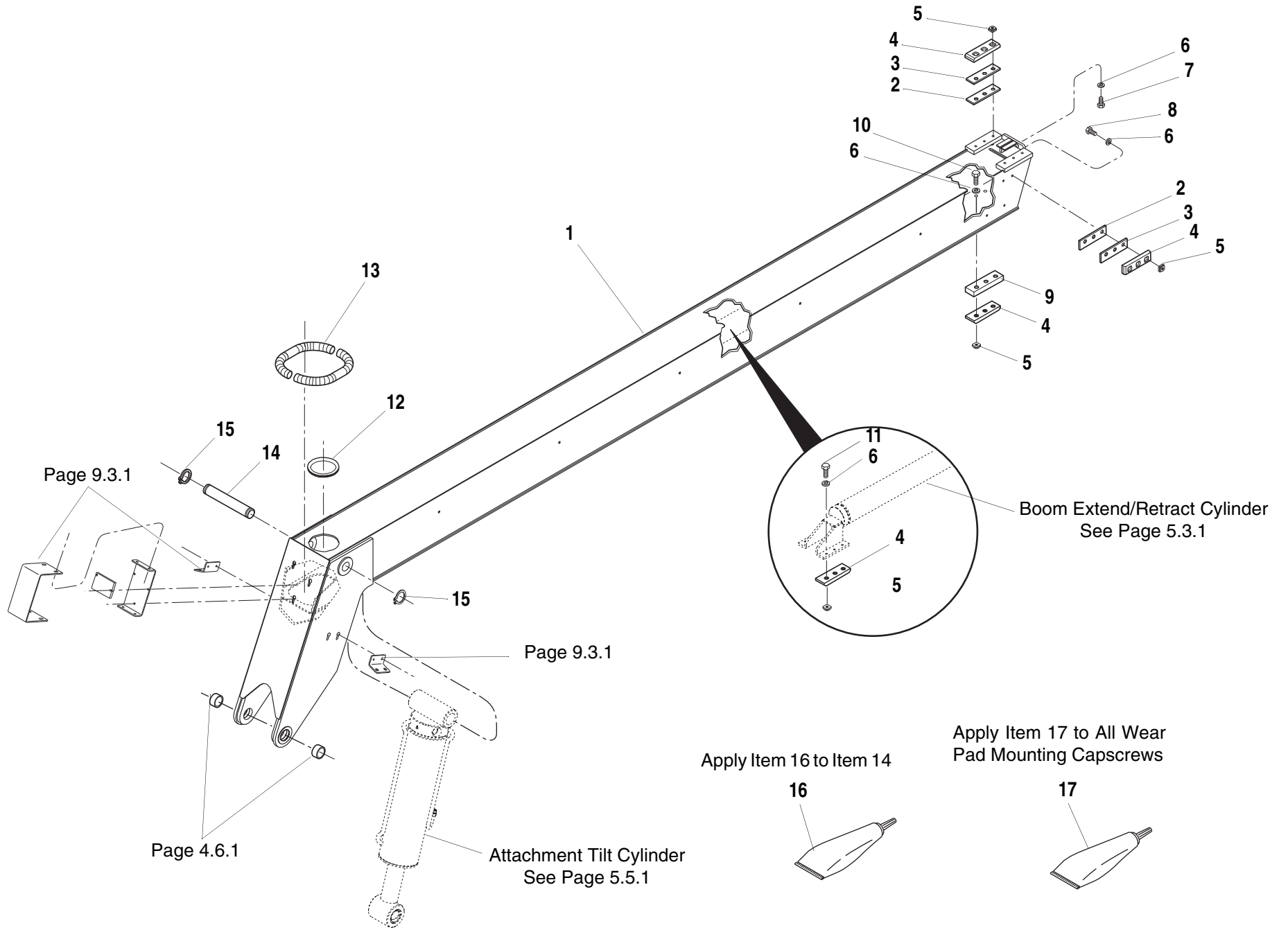
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MMV

Tier 1
Tier 2

INTERMEDIATE BOOM ASSEMBLY

4.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623318	1	Boom, Inner
2	7126172	A/R	Shim, Wear Pad .13" Thk.
3	7126182	A/R	Shim, Wear Pad .07" Thk.
4	7111572	10	Wear Pad
5	7135432	24	Insert, Wear Pad
6	8307005	24	Washer, Lock 3/8"
7	8303771	6	HHCS, 3/8-16 x 2-1/4" Gr. 5
8	8303681	8	HHCS, 3/8-16 x 3/4" Gr. 5
9	7135442	2	Spacer, Wear Pad
10	8303621	4	HHCS, 3/8-16 X 1-1/2" Gr. 5
11	8303620	6	HHCS, 3/8-16 x 1" Gr.5
12	8582427	1	Trim, PVC Vinyl Edge
13	7124301	1	Conduit, 0.5 x 15.5"
14	7136322	1	Pin, Attachment Tilt Cylinder Base
15	8642224	2	Ring, Retaining, External 2"
16	8522012	A/R	Lube, Anti-Seize
17	8526007	A/R	Thread Locking Compound

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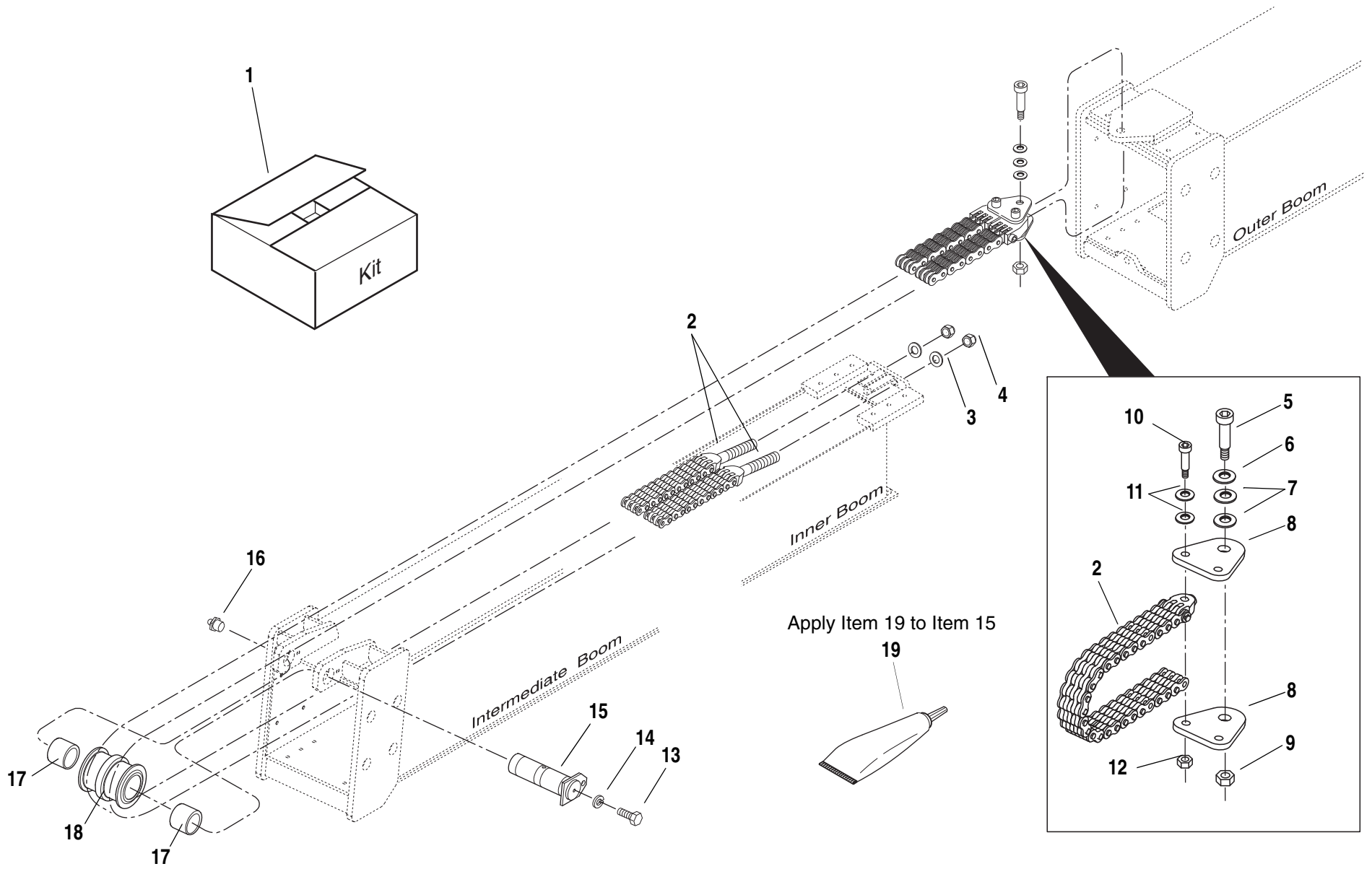
MMV

Tier 1
Tier 2

S/N MV006-

INNER BOOM ASSEMBLY

4.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8024027	1	Extend Chain Assy. Kit (Includes Items 2 thru 12)
2	N.S.S	2	Extend Chain and Clevis Assy. (Order Item 1)
3	8307703	2	Washer, 3/4" Hardened
4	8305646	2	Nut, Hex Lock Elastic 3/4-16 NF
5	8310515	1	Bolt, Shoulder, Socket Hd. 1 x 1-3/4 x 3/4"-10
6	8310516	1	Washer, Shim 1 x .045 x 1-1/2
7	8310517	2	Washer, Shim 1 x .075 x 1-1/2
8	7138991	2	Yoke, Extend Chain
9	8310067	1	Nut, Hex Lock Elastic 3/4"-10
10	8310514	2	Bolt, Shoulder, Socket Hd. 1/2 x 1-3/4 x 3/8"-16
11	8307112	4	Washer, Flat 1/2" Narrow
12	8305645	2	Nut, Hex Lock Elastic 3/8"-16
13	8303624	1	HHCS, 1/2-13 x 1"
14	8307007	1	Washer, Lock 1/2"
15	7137082	1	Pin, Extend Chain Sheave
16	8520001	1	Fitting, Lube 1/8" NPT
17	7126662	2	Bushing, Chain Sheave
18	7114112	1	Sheave, Extend Chain
19	8522012	A/R	Lube, Anti-Seize (1 lb. Net Wt. Brush-Top)

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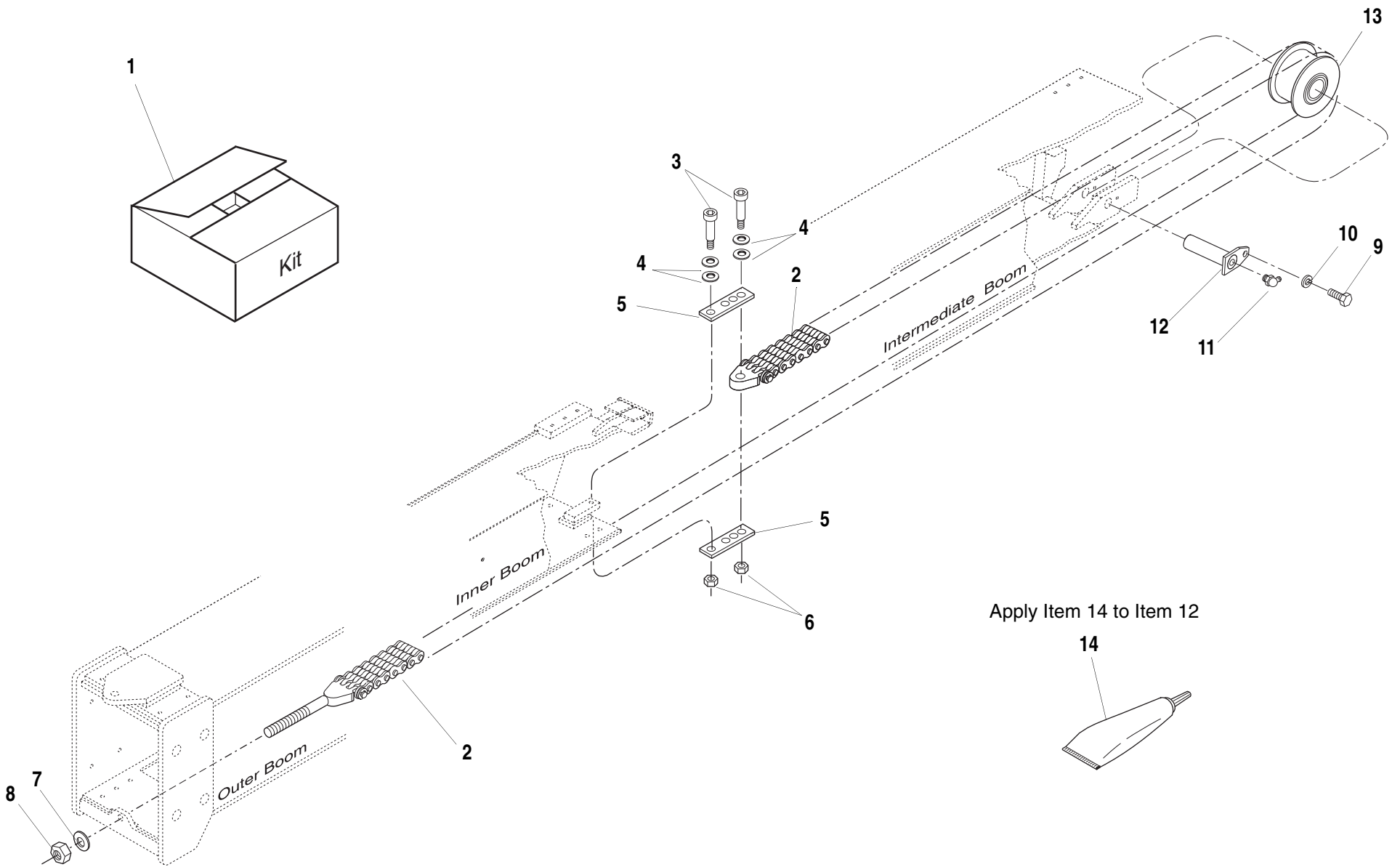
S/N MV006 –

MMV

Tier 1
Tier 2

BOOM EXTEND CHAINS

4.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8024028	1	Retract Chain Assy. Kit (Includes Items 2 thru 8)
2	N.S.S.	1	Retract Chain and Clevis Assy. (Order Item 1)
3	8310514	2	Bolt, Shoulder, SCH. 1/2 x 1-3/4 x 3/8"-16
4	8307112	4	Washer, Flat 1/2" Narrow
5	7121531	2	Link, Retract Chain Anchor
6	8305645	2	Nut, Hex Lock Elastic 3/8"-16
7	8307703	1	Washer, 3/4" Hardened
8	8305646	1	Nut, Hex Lock Elastic 3/4"-16 NF
9	8303624	1	HHCS, 1/2-13 x 1"
10	8307007	1	Washer, Lock 1/2"
11	8520003	1	Fitting, Lube 90°
12	7138977	1	Pin, Retract Chain Sheave
13	7138986	1	Sheave, Retract Chain
14	8522012	A/R	Lube, Anti-Seize

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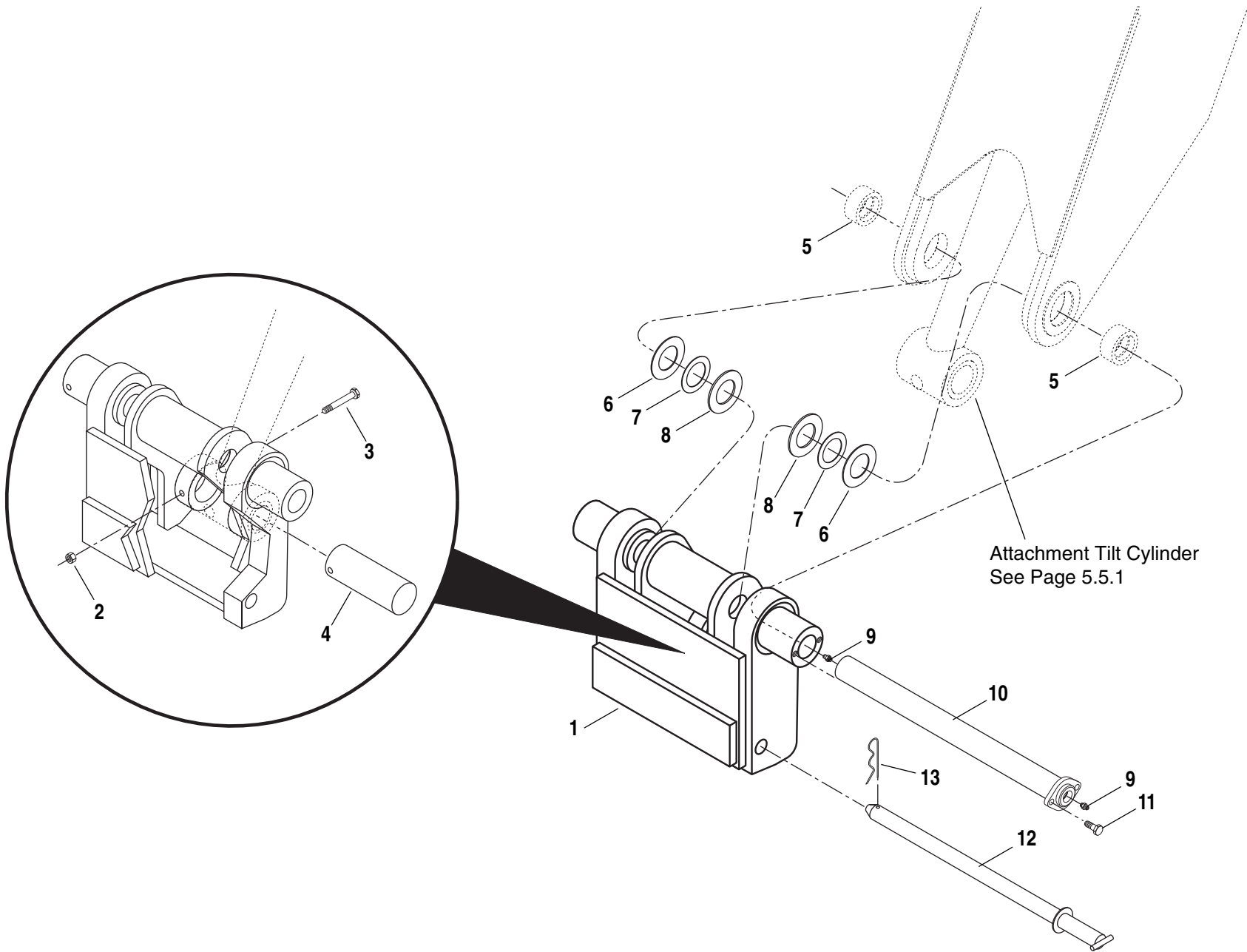
MMV

Tier 1
Tier 2

S/N MV006 –

BOOM RETRACT CHAIN

4.5.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623334	1	Weldment, Quick Attach
2	8305644	1	Nut, Hex Lock Elastic, 1/2"-13
3	7138222	1	Pin, Rod End, Attachment Tilt Cylinder
4	8303772	1	HHCS, 1/2-13 x 5" Gr. 5
5	7085542	2	Bushing, Quick Attach Pivot
6	8310093	A/R	Washer, Shim 2.00" x .075" x 3.50"
7	8307904	A/R	Washer, Shim 2.00" x .048" x 3.00"
8	8307918	A/R	Washer, Shim 2.00" x .134" x 3.50"
9	8520001	2	Lube Fitting
10	6623558	1	Pin, Carriage Pivot
11	8310579	2	HHCS 1/2 - 13 x 1"
12	6617132	1	Pin, Quick Attach
13	8310025	1	Pin, Hairpin Cotter

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Tier 1
Tier 2

S/N MV006 –

QUICK ATTACH ASSEMBLY

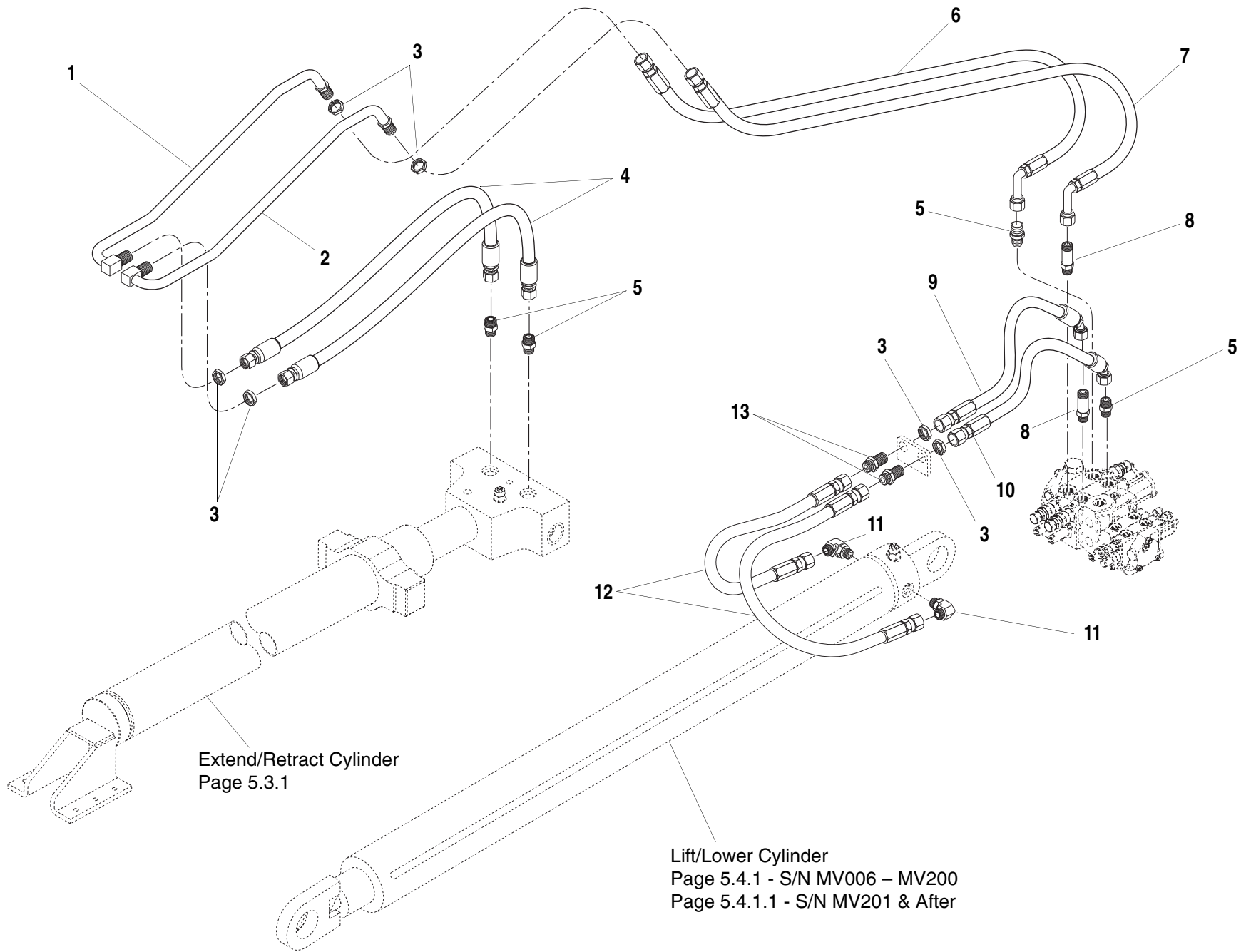
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Extend/Retract Cylinder	5.3.1
Lift/Lower Cylinder	5.4.1
Attachment Tilt Cylinder	5.5.1
Slave Cylinder	5.6.1
Boom Function Main Valve Hydraulic Tubing	5.7.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623517	1	Tube Assembly (Retract)
2	6623516	1	Tube Assembly (Extend)
3	8770085	6	Nut, Bulkhead, SAE 12 - OFS
4	2716492	2	Hose, 0.75 x 46.50"
5	8770070	4	Connector, SAE 12 - str. thd. ORB x OFS
6	2716643	1	Hose, 0.75 x 43.00" (Retract)
7	2716642	1	Hose, 0.75 x 47.50" (Extend)
8	8770163	2	Connector, Long, SAE 12 - str. thd. ORB x OFS
9	2716533	1	Hose, 0.75 x 25.50" (Lower)
10	2716532	1	Hose, 0.75 x 29.50" (Raise)
11	8770079	2	Elbow, 90°, SAE 12 - str. thd. ORB x OFS
12	2715052	2	Hose, 0.75 x 45.00"
13	8770086	2	Connector, Bulkhead, SAE 12 - OFS

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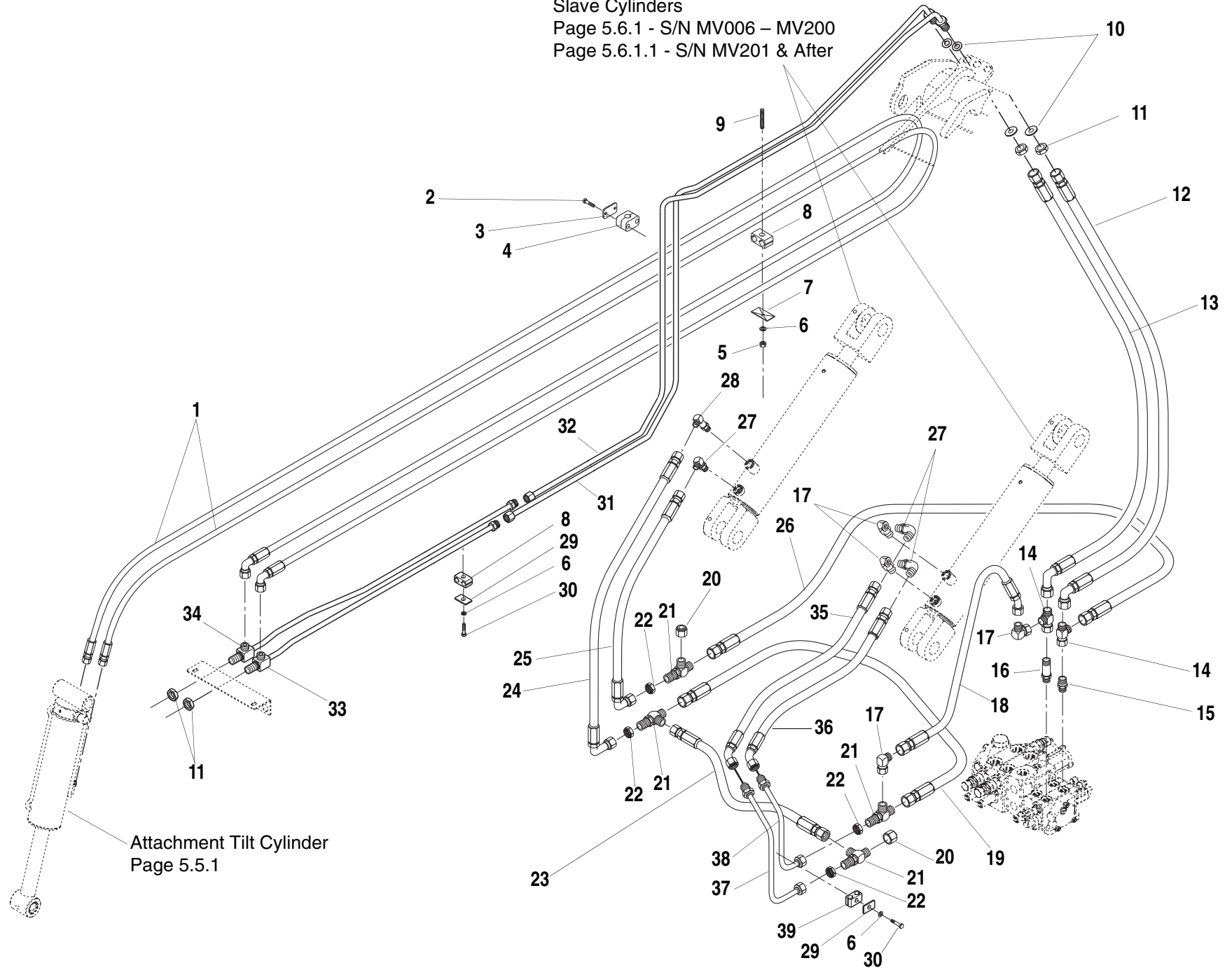
Tier 1
Tier 2

S/N MV006 -

BOOM - EXTEND/RETRACT AND LIFT/LOWER CIRCUITS

5.1.1

Slave Cylinders
Page 5.6.1 - S/N MV006 – MV200
Page 5.6.1.1 - S/N MV201 & After



Attachment Tilt Cylinder
Page 5.5.1

ITEM	PART NO.	QTY.	DESCRIPTION
1	2716620	2	Hose, 0.50 x 410"
2	8303743	4	HHCS, 1/4"-20 x 1-1/2"
3	8769153	2	Plate, Cover
4	8769154	2	Clamp Set, 5/8"
5	8310453	1	Nut, Hex, 5/16-18NC
6	8307004	3	Washer, 5/16" Lock
7	8769128	1	Cover Plate, Twin
8	8769122	3	Clamp Set, .625 Dia. Twin
9	10168743	1	Screw, Set, 5/16-18 x 2-1/5"
10	5724302	4	Shim
11	8770075	4	Nut, Bulkhead, -10FF
12	2716644	1	Hose, 0.50 x 49.00"
13	2716645	1	Hose, 0.50 x 52.13"
14	8770125	2	Tee, Swivel Run, -8FF
15	8770116	1	Connector, -8ORB x 8FF
16	8770117	1	Connector, Long, -8ORB x 8FF
17	8770115	4	Elbow, 90° Swivel, -8FF
18	2716635	1	Hose, 0.50 x 22.50"
19	2716629	1	Hose, 0.50 x 29.00"
20	8770118	2	Cap, SAE 8 - OFS
21	8770167	4	Tee, Run, Bulkhead, 8FF
22	8770129	4	Nut, Bulkhead, -8FF
23	2716628	1	Hose, 0.50 x 15.25"
24	2716535	1	Hose, 0.50 x 24.88"
25	2716534	1	Hose, 0.50 x 17.88"
26	2716634	1	Hose, 0.50 x 44.50"
27	8770114	3	Elbow, 90°, -8ORB x -8FF
28	8770168	1	Elbow, Long, 90°, 8ORB x 8FF
29	8769123	3	Cover Plate, Twin
30	8303715	3	HHCS, 5/16"-18 x 1-1/2"
31	6623525	1	Tube Assembly, Inner
32	6623526	1	Tube Assembly, Outer
33	6623520	1	Tube Assembly, Boom Inside Right
34	6623521	1	Tube Assembly, Boom Outside Right
35	2716870	1	Hose, 0.50 x 22.00"
36	2716869	1	Hose, 0.50 x 17.00"
37	6623570	1	Tube Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
38	6623569	1	Tube Assembly
39	8769126	1	Clamp Set, .50 Dia. Twin

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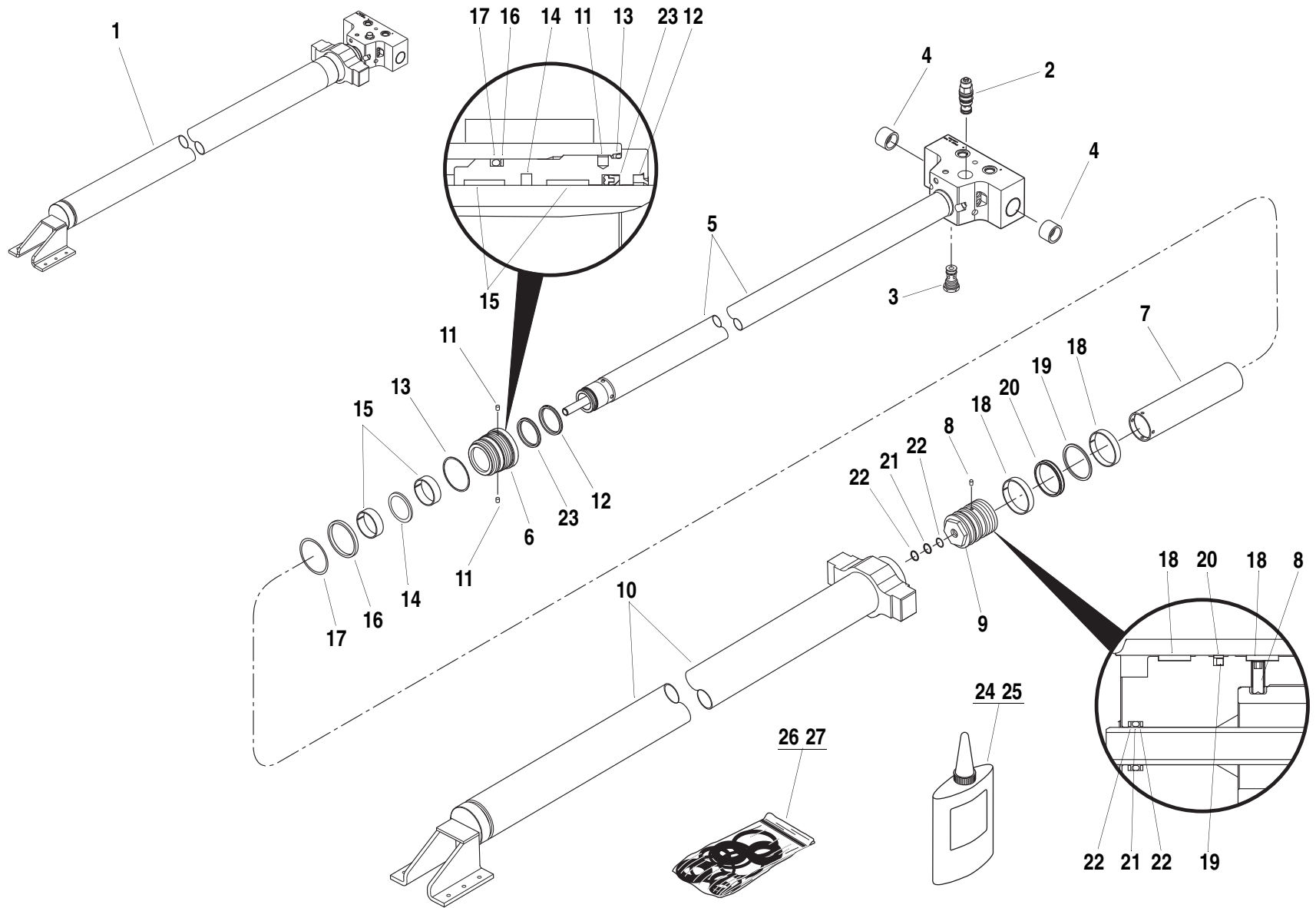
S/N MV006 –

MMV

Tier 1
Tier 2

ATTACHMENT TILT AND SLAVE CIRCUITS

5.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	2716736	1	Cylinder, Extend/Retract (Includes Items 2 thru 23)
2	8036590	1	Valve, CB, 4000 psi (275,8 bar) (For Seal Kit use Item 27)
3	8032737	1	Valve, PO Check (For Seal Kit use Item 27)
4	8036230	2	Bushing, DU
5	8036231	1	Rod, Weldment
6	8035764	1	Gland, Head
7	8035765	1	Spacer, Rod
8	8035769	1	Setscrew, 5/16-18 UNC x .75" Long
9	8036233	1	Piston
10	N.S.S.	1	Tube, Weldment (Order Item 1)
11	See Kits	2	Locking Insert
12	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
13	See Kits	1	O-Ring
14	See Kits	1	Seal, TFE Buffer
15	See Kits	2	Wearband, Precision
16	See Kits	1	Ring, Back-Up
17	See Kits	1	O-Ring
18	See Kits	2	Wearband, Precision
19	See Kits	1	Square Ring
20	See Kits	1	Seal, Piston
21	See Kits	1	O-Ring
22	See Kits	2	Ring, Back-Up - Dynamic
23	See Kits	1	U-Cup, BT
24	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
25	8526007	A/R	Threadlocker, 242 Loctite, Removable, 250 ml Bottle
			<u>KITS</u>
26	8036328	1	Seal Kit, Extend/Retract Cylinder (Includes Items 11 thru 23)
27	8205656	1	Seal Kit, PO Check or CB Valve (For Item 2 or 3)

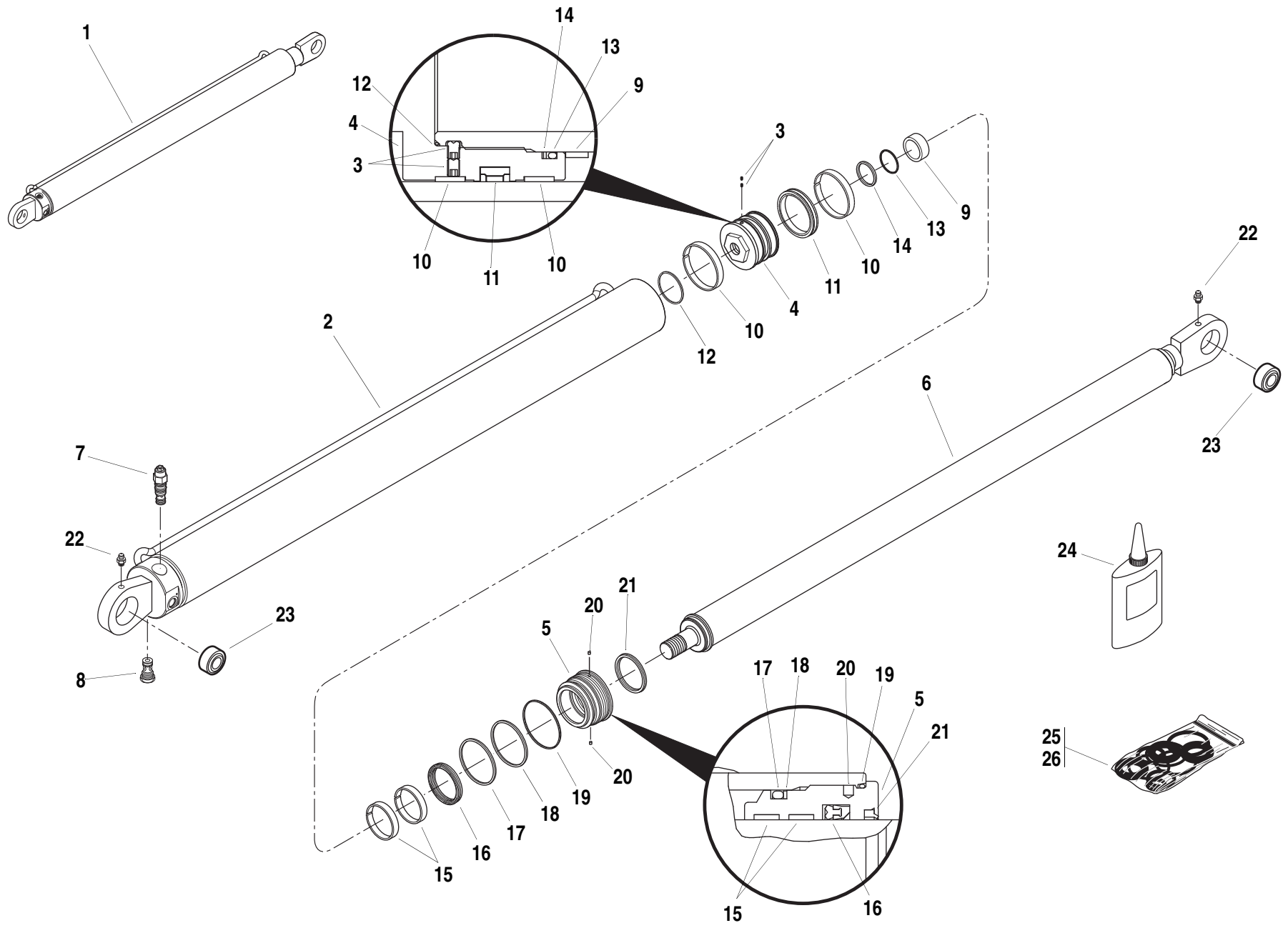
S/N MV006 –

MMV

Tier 1
Tier 2

EXTEND/RETRACT CYLINDER

5.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623514	1	Cylinder, Lift/Lower (Includes Items 2 thru 23)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8036238	2	Screw, Set, .313-18 UNC x .44"
4	8036242	1	Piston
5	8036241	1	Gland, Head
6	8036239	1	Rod, Weldment
7	8902271	1	Valve, Counter Balance, M Style (For Seal Kit, Order Item 26)
8	8036229	1	PO Check Valve (For Seal Kit, Order Item 26)
9	8036240	1	Spacer, Rod
10	See Kits	2	Wearband, Precision
11	See Kits	1	T-Seal, Capped
12	See Kits	1	O-Ring
13	See Kits	1	O-Ring
14	See Kits	1	Ring, Back-up
15	See Kits	2	Wearband, Precision
16	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
17	See Kits	1	O-Ring
18	See Kits	1	Ring, Back-Up
19	See Kits	1	O-Ring
20	See Kits	2	Locking Insert
21	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
22	8520013	2	Fitting, Lube
23	8036236	2	Bearing, Self Align
24	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250ml Bottle
			<u>KITS</u>
25	8036074	1	Seal Kit, Lift/Lower Cylinder (Includes Items 10 thru 21)
26	8205656	1	Seal Kit, Counter Balance Valve (Item 7) or PO Check Valve (Item 8)

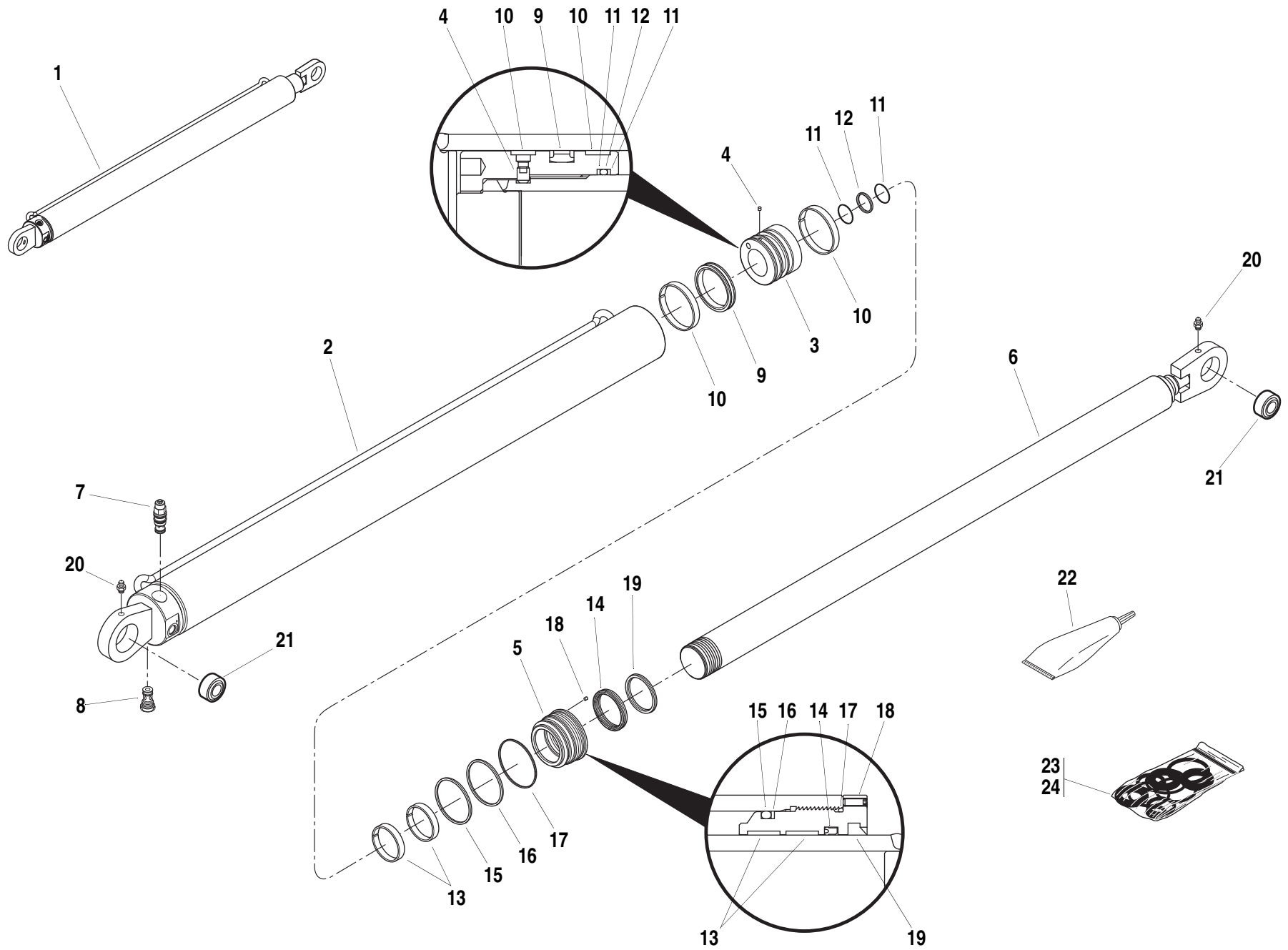
S/N MV006 – MV219

MMV

Tier 1
Tier 2

LIFT/LOWER CYLINDER

5.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623848	1	Cylinder, Lift/Lower (Includes Items 2 thru 21)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8036737	1	Piston
4	See Kits	1	Setscrew
5	8036748	1	Gland, Head
6	8036741	1	Rod
7	8902271	1	Valve, Counterbalance, M Style (For Seal Kit use Item 24)
8	8036229	1	PO Check Valve (For Seal Kit use Item 24)
9	See Kits	1	T-Seal, Capped
10	See Kits	2	Wearband, Precision
11	See Kits	2	Ring, Back-Up
12	See Kits	1	O-Ring
13	See Kits	2	Wearband, Precision
14	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
15	See Kits	1	O-Ring
16	See Kits	1	Ring, Back-Up
17	See Kits	1	O-Ring
18	See Kits	1	Setscrew
19	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
20	8036749	2	Fitting, Lube
21	8050072	2	Bearing, Self Align
22	8526011	A/R	Threadlocker, Loctite #271 (250cc)
			KITS
23	8036730	1	Seal Kit, Lift/Lower Cylinder (Includes Items 4, 9 thru 19)
24	8205656	1	Seal Kit, Counterbalance Valve (For Item 7) or PO Check Valve (For Item 8)

Origin
6/03

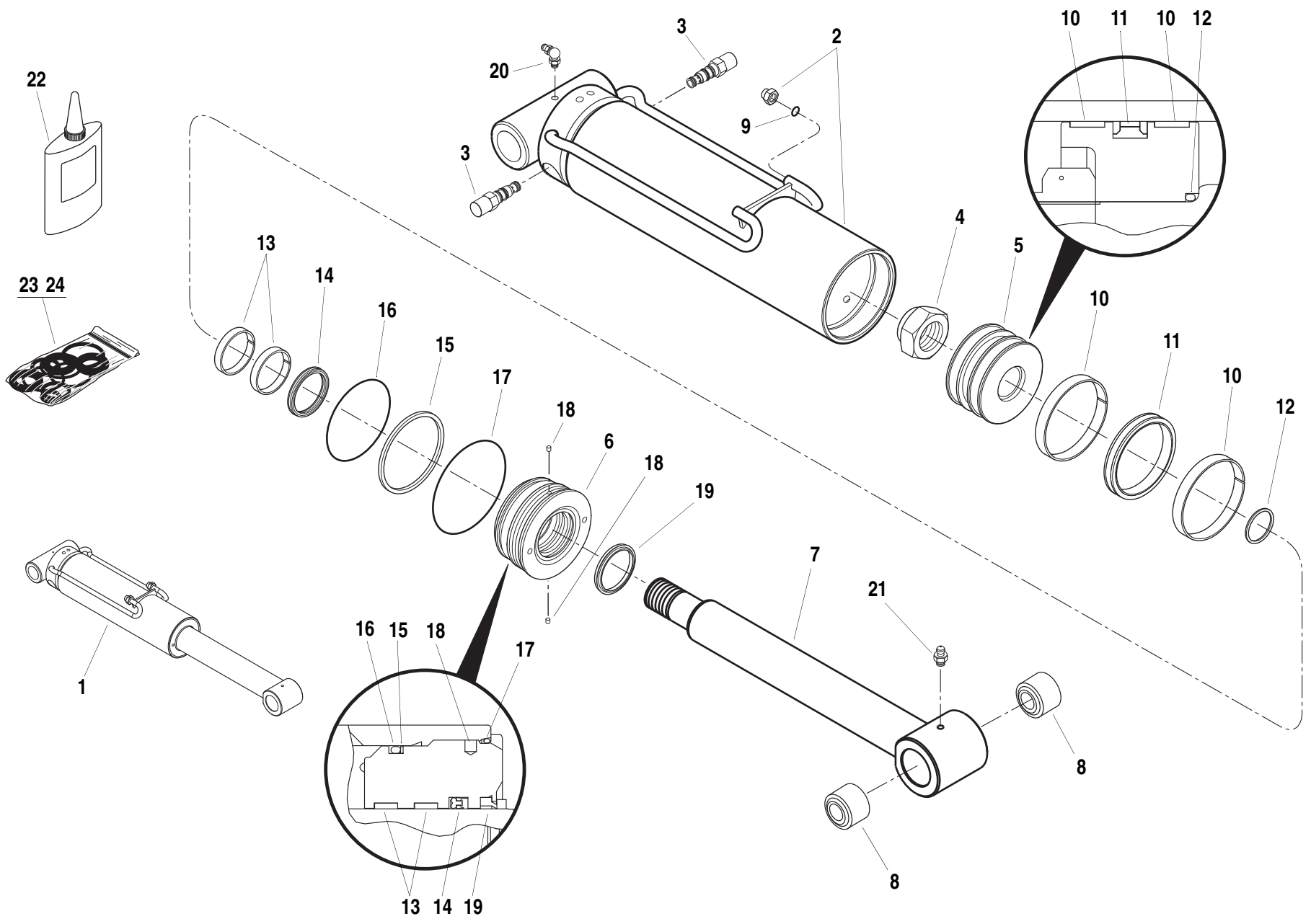
MMV

Tier 1
Tier 2

S/N MV220 –

LIFT/LOWER CYLINDER

5.4.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138173	1	Cylinder, Attachment Tilt (Includes Items 2 thru 21)
2	N.S.S.	1	Tube Weldment (Order Item 1)
3	8035321	2	Valve, CB - CCC Preset at 4000 psi (275,8 bar) (For Seal Kit use Item 24)
4	8035308	1	Nut, Hex Lock 2.00-12 UN
5	8035309	1	Piston
6	8035553	1	Gland, Head
7	8035552	1	Rod, Weldment
8	7089722	2	Bushing
9	See Kits	2	O-Ring
10	See Kits	2	Wearband, Precision
11	See Kits	1	T-Seal, Capped
12	See Kits	1	O-Ring
13	See Kits	2	Wearband, Precision
14	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
15	See Kits	1	Ring, Back-Up
16	See Kits	1	O-Ring
17	See Kits	1	O-Ring
18	See Kits	2	Locking Insert
19	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
20	8520021	1	Fitting, Lube, 90°
21	8520013	1	Fitting, Lube, Straight
22	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
			<u>KITS</u>
23	8035551	1	Seal Kit, Attachment Tilt Cylinder (Includes Items 9 thru 19)
24	8035327	1	Seal Kit, CB Valve (For Item 3)

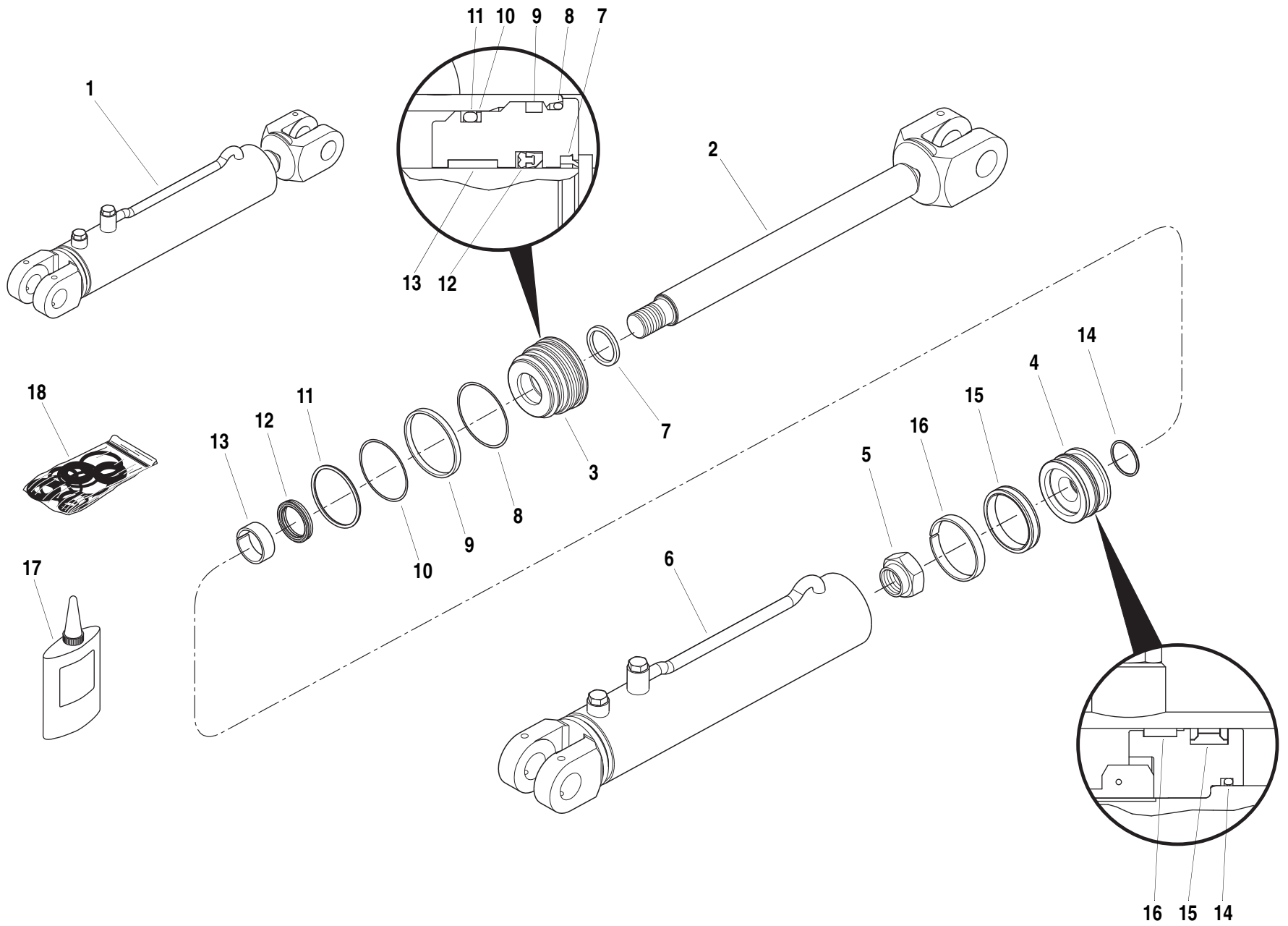
S/N MV006 –

MMV

Tier 1
Tier 2

ATTACHMENT TILT CYLINDER

5.5.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623366	1	Cylinder, Slave (Includes Items 2 thru 16)
2	8035548	1	Rod, Weldment
3	8035549	1	Gland, Head
4	8035550	1	Piston
5	8035547	1	Nut, Hex Lock 1.375-12 UNF
6	N.S.S.	1	Tube (Order Item 1)
7	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
8	See Kits	1	O-Ring
9	See Kits	1	Seal
10	See Kits	1	Ring, Back-Up
11	See Kits	1	O-Ring
12	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
13	See Kits	1	Wearband, Precision
14	See Kits	1	O-Ring
15	See Kits	1	T-Seal, Capped
16	See Kits	1	Wearband, Precision
17	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
			<u>KITS</u>
18	8035546	1	Seal Kit, Slave Cylinder (Includes Items 7 thru 16)

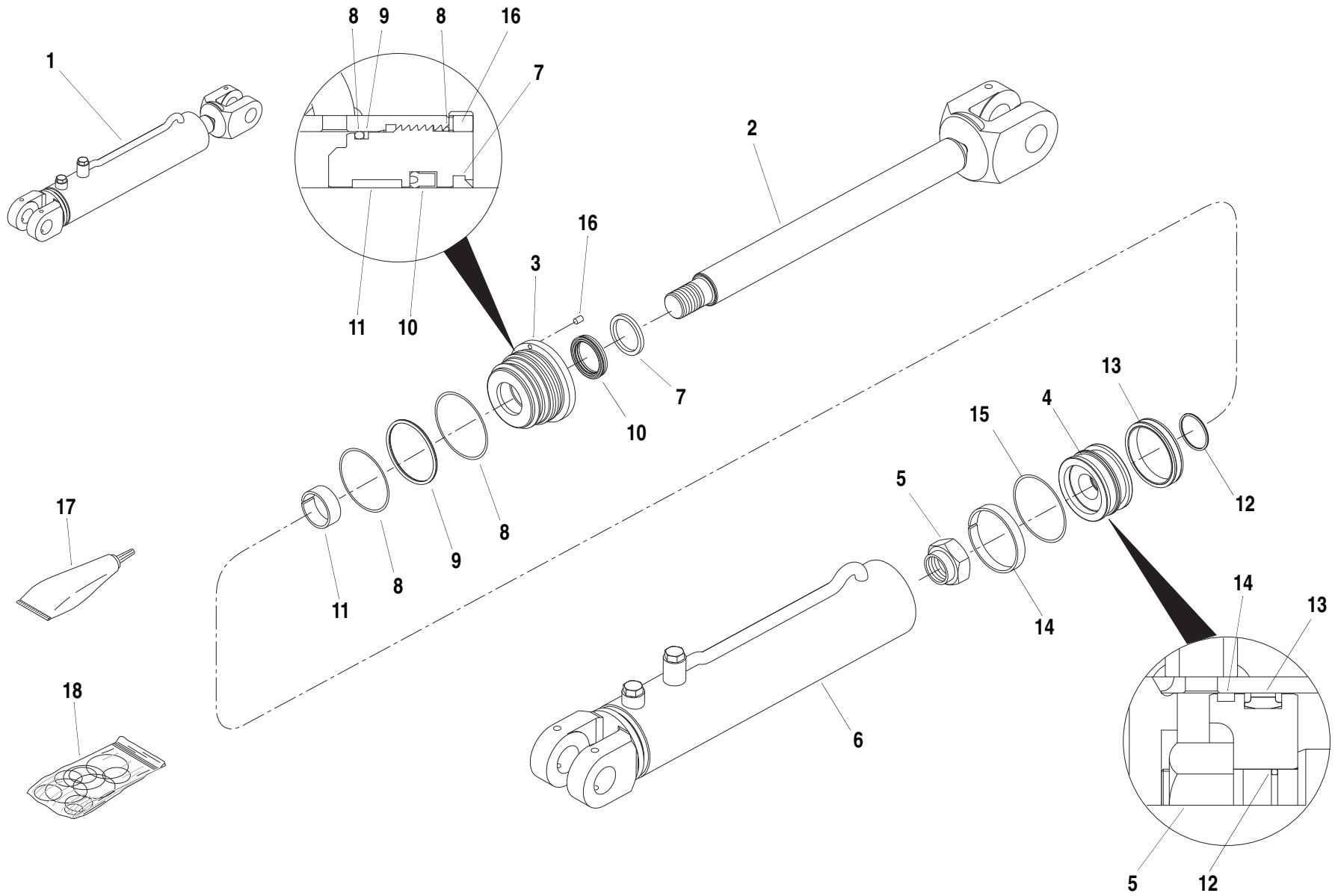
S/N MV006 – S/N MV212

MMV

Tier 1
Tier 2

SLAVE CYLINDER

5.6.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623849	1	Cylinder, Slave (Includes Items 2 thru 16)
2	8036780	1	Rod
3	8036781	1	Gland, Head
4	8036779	1	Piston
5	8036778	1	Nut, Hex Lock 1.375-12 UNF
6	N.S.S.	1	Tube, Weldment (Order Item 1)
7	See Kits	1	Wiper, Rod
8	See Kits	2	O-Ring
9	See Kits	1	Ring, Back-Up
10	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
11	See Kits	1	Wearband, Precision
12	See Kits	1	O-Ring
13	See Kits	1	T-Seal, Capped
14	See Kits	1	Wearband, Precision
15	See Kits	1	O-Ring
16	7017283	1	Setscrew
17	8526011	A/R	Threadlocker, Loctite #271 (250cc)
<u>KITS</u>			
18	8036731	1	Seal Kit, Slave Cylinder (Includes Items 7 thru 15)

Origin
3/07

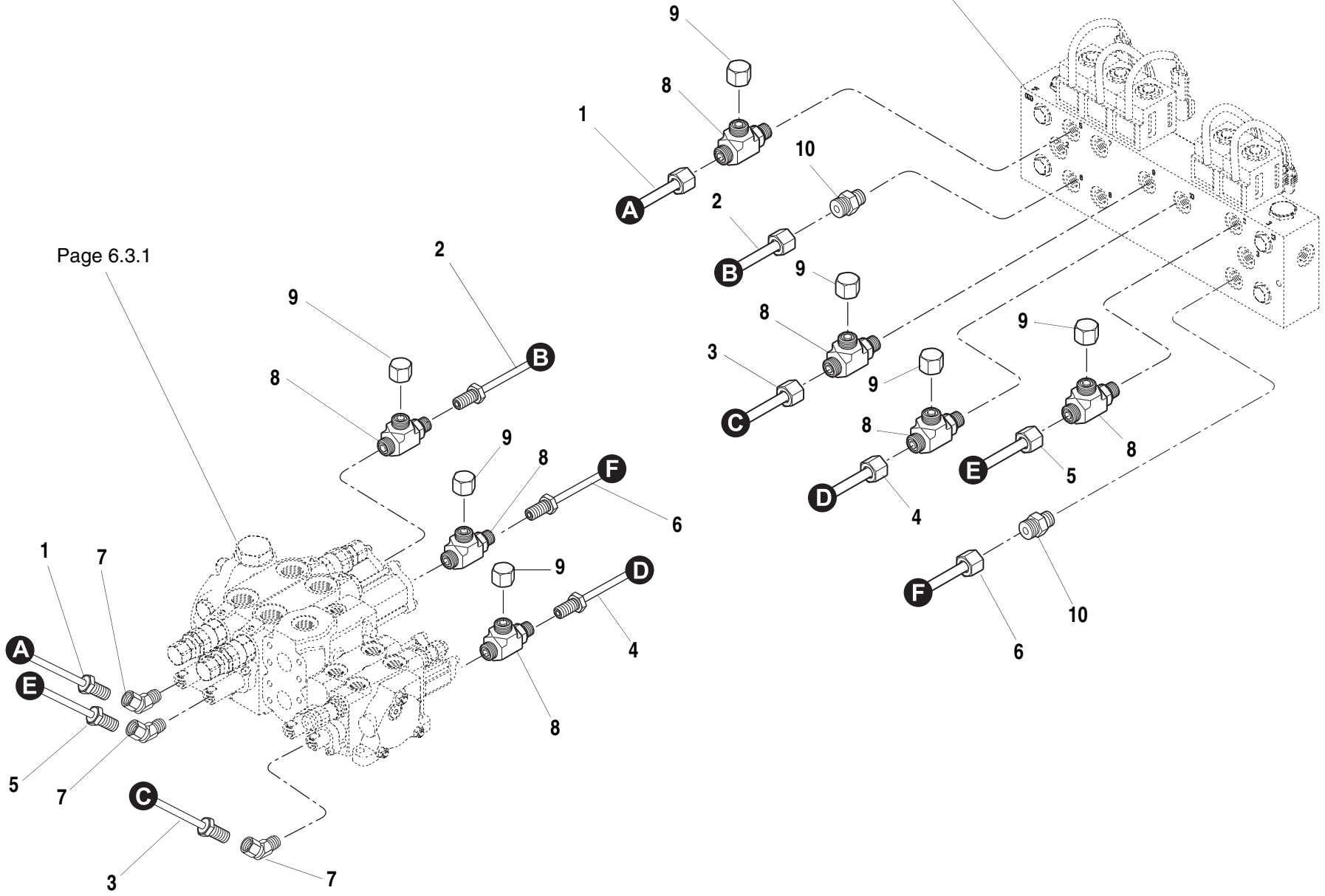
MMV

Tier 1
Tier 2

S/N MV213 –

SLAVE CYLINDER

5.6.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	7138769	1	Tube Assembly (A)
2	7138764	1	Tube Assembly (B)
3	7138771	1	Tube Assembly (C)
4	7138767	1	Tube Assembly (D)
5	7138768	1	Tube Assembly (E)
6	7138763	1	Tube Assembly (F)
7	8770140	3	Elbow, 45°, 6ORB x 6FF
8	8770066	7	Tee, SW RUN -6ORB x -6FF
9	8770108	7	Cap, SAE 6 - OFS
10	8770106	2	Connector, SAE 6 - str. thd. ORB x 6FF

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6/03

MMV

Tier 1
Tier 2

S/N MV006 –

BOOM FUNCTION MAIN VALVE HYDRAULIC TUBING

5.7.1

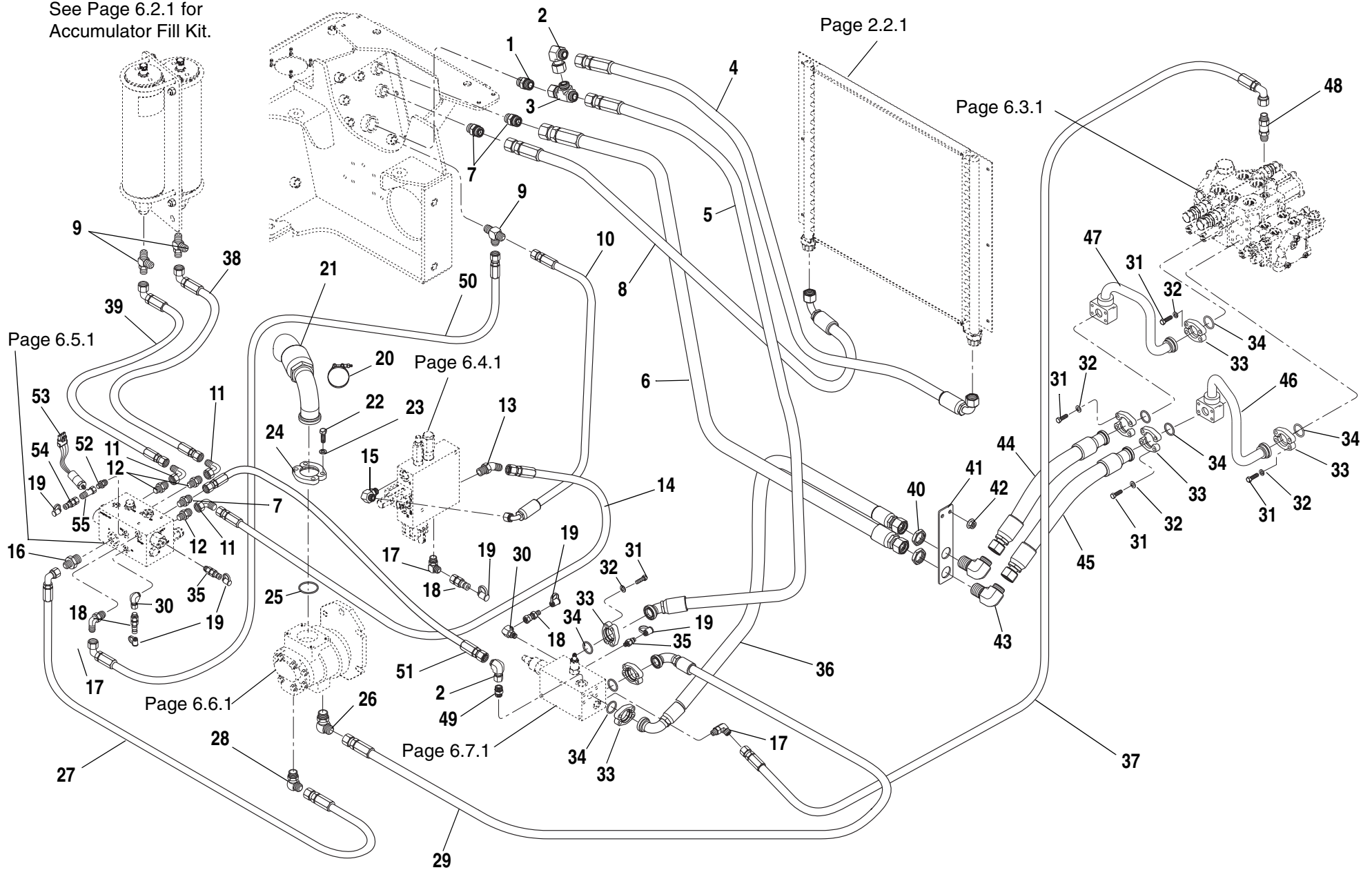
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Unloader Valve Assembly	6.7.1

See Page 6.2.1 for
Accumulator Fill Kit.



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902856	1	Valve, Check, -16ORB x -16FF
2	8770090	2	Elbow, SW 90-16FF
3	8770214	1	Tee, SW RUN -16FF
4	2716891	1	Hose, 0.75 x 24.00"
5	2716892	1	Hose, 1.00 x 36.00"
6	2716893	1	Hose, 0.75 x 29.00"
7	8770070	2	Connector, -12ORB x -12FF
8	2716525	1	Hose, 0.75 x 30.50"
9	8770124	3	Tee, Male Run, SAE 8 - ORFS tube end x str. thd. o-ring
10	2716567	1	Hose, 0.50 x 49.50"
11	8770105	3	Elbow, 90° Swivel, SAE 6 - o-ring face seal
12	8770106	3	Connector, SAE 6 - str. thd. ORB x o-ring face seal
13	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
14	2716889	1	Hose, 0.38 x 88.00"
15	8770114	1	Elbow, 90°, SAE 8 - str. thd. ORB x OFS
16	8770070	1	Connector, SAE 12 - str. thd. ORB x OFS
17	8770068	3	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
18	8430081	3	Nipple, Diagnostic
19	8430032	6	Plug, Dust
20	8405209	1	Clamp, T-bolt
21	2716520	1	Hose, 2.00 x 21.00"
22	8303626	4	HHCS, 0.50-13 NC x 1.50"
23	8307007	4	Washer, Lock 0.50"
24	8546407	2	Flange, Half #32
25	8640208	1	O-Ring, 2.234 I.D.
26	8770153	1	Elbow, 90°, SAE 16-12 - str. thd. ORB x OFS
27	2716877	1	Hose, Special
28	8770079	1	Elbow, 90°, SAE 12 - str. thd. ORB x OFS
29	2716633	1	Hose, 0.75 x 81.00"
30	8770102	2	Elbow, 90°, SAE 6-4 - str. thd. ORB x OFS
31	8303675	28	HHCS, 3/8-16 NC x 1.25"
32	8307005	28	Washer, Lock 3/8"
33	8530030	14	Flange, Half #16
34	8640123	7	O-Ring, 1.296 I.D.
35	8430033	2	Nipple, Diagnostic - 1/8 Body
36	2716631	1	Hose, 0.75 x 18.25"
37	2716641	1	Hose, 0.38 x 99.50"
38	2716882	1	Hose, 0.38 x 27.00"
39	2716883	1	Hose, 0.38 x 30.00"
40	8770096	2	Nut, Bulkhead, SAE 16 - OFS
41	7139179	1	Bracket, High Pressure Lines
42	8310522	2	Nut, Flange .375 - 6NC
43	8770095	2	Elbow, 90°, Bulkhead, SAE 16 - OFS
44	2716531	1	Hose, 1.00 x 49.38"
45	2716530	1	Hose, 1.00 x 51.75"
46	7138785	1	Tube Assembly
47	7138784	1	Tube Assembly
48	8770107	1	Connector, Long, SAE 6 - str. thd. ORB x OFS
49	8770078	1	Connector, -12ORB x -16FF
50	2716880	1	Hose, .38 x 96.00"
51	2717245	1	Hose, .75 x 72.00"
52	8760136	1	Connector, Straight, SAE 4-6 - male JIC 37° x male str. thd. o-ring
53	10166680	1	Switch, Pressure
54	8430036	1	Nipple, Diagnostic
55	8760506	1	Tee, Swivel Nut Run #4

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MMV

Tier 1
Tier 2

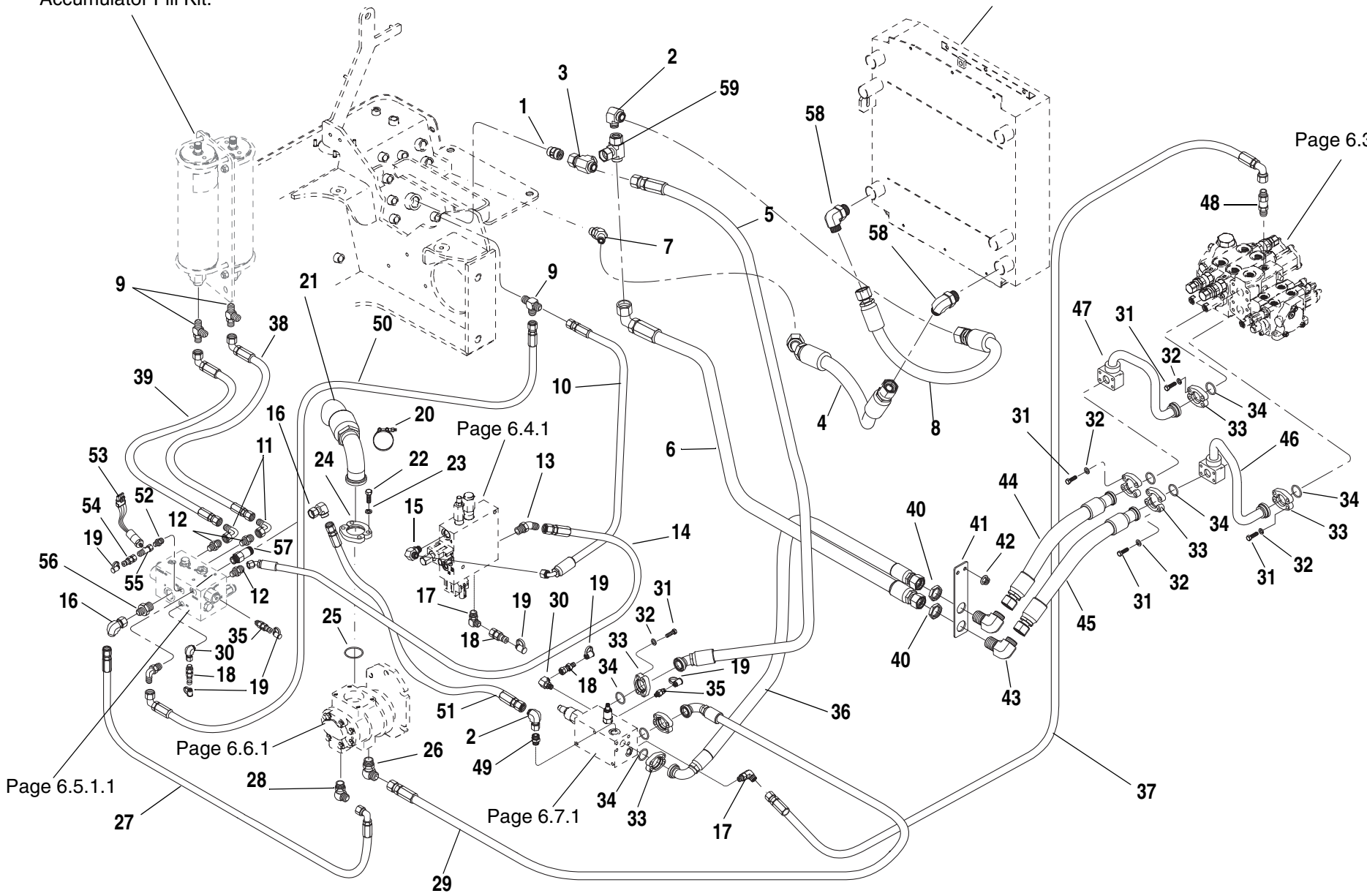
CONTROL VALVES HYDRAULIC CIRCUIT

6.1.1

See Page 6.2.1.1 for
Accumulator Fill Kit.

Page 2.2.1.1

Page 6.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902856	1	Valve, Check, -16ORB x -16FF
2	8770090	2	Elbow, SW 90-16FF
3	8770214	1	Tee, SW RUN -16FF
4	2717246	1	Hose, 0.75 x 30.00"
5	2716892	1	Hose, 1.00 x 36.00"
6	2717248	1	Hose, 1.00 x 25.00"
7	8770070	1	Connector, -12ORB x -12FF
8	2716893	1	Hose, 0.75 x 29.0"
9	8770124	3	Tee, Male Run, SAE 8 - ORFS tube end x str. thd. o-ring
10	2716567	1	Hose, 0.50 x 49.50"
11	8770105	2	Elbow, 90° Swivel, SAE 6 - o-ring face seal
12	8770106	3	Connector, SAE 6 - str. thd. ORB x OFS
13	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
14	2717244	1	Hose, 0.38 x 57.00"
15	8770114	1	Elbow, 90°, SAE 8 - str. thd. ORB x OFS
16	8770080	2	Elbow, 90° Swivel, SAE 12FF
17	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
18	8430081	3	Nipple, Diagnostic
19	8430032	6	Plug, Dust
20	8405209	1	Clamp, T-bolt
21	2716520	1	Hose, 2.00 x 21.00"
22	8303626	4	HHCS, 1/2-13 NC x 1.50"
23	8307007	4	Washer, Lock 1/2"
24	8546407	2	Flange, Half #32
25	8640208	1	O-Ring, 2.234 I.D.
26	8770153	1	Elbow, 90°, SAE 16-12 - str. thd. ORB x OFS
27	2717247	1	Hose, 0.75 x 15.00"
28	8770079	1	Elbow, 90°, SAE 12 - str. thd. ORB x OFS
29	2716633	1	Hose, 0.75 x 81.00"
30	8770102	2	Elbow, 90°, SAE 6-4 - str. thd. ORB x OFS
31	8303675	28	HHCS, 3/8-16 NC x 1.25"
32	8307005	28	Washer, Lock 3/8"
33	8530030	14	Flange, Half #16
34	8640123	7	O-Ring, 1.296 I.D.
35	8430033	2	Nipple, Diagnostic - 1/8 Body
36	2716631	1	Hose, 0.75 x 18.25"
37	2716641	1	Hose, 0.38 x 99.50"
38	2716882	1	Hose, 0.38 x 27.00"
39	2716883	1	Hose, 0.38 x 30.00"
40	8770096	2	Nut, Bulkhead, SAE 16 - OFS
41	7139179	1	Bracket, High Pressure Lines
42	8310522	2	Nut, Flange .375 - 6NC
43	8770095	2	Elbow, 90°, Bulkhead, SAE 16 - OFS
44	2716531	1	Hose, 1.00 x 49.38"
45	2716530	1	Hose, 1.00 x 51.75"
46	7138785	1	Tube Assembly
47	7138784	1	Tube Assembly
48	8770107	1	Connector, Long, SAE 6 - str. thd. ORB x OFS
49	8770078	1	Connector, -12ORB x -16FF
50	2716880	1	Hose, .38 x 96.00"
51	2717245	1	Hose, .75 x 72.00"
52	8760136	1	Connector, Straight, SAE 4-6 - male JIC 37° x male str. thd. o-ring
53	10166680	1	Switch, Pressure
54	8430036	1	Nipple, Diagnostic
55	8760506	1	Tee, Swivel Nut Run #4
56	8902861	1	Valve, Check, -12FF x -12ORB
57	8770163	1	Connector, Long -12ORB x -12FF
58	8760356	2	Elbow, 90°, SAE 16-12 ORB x FF
59	8770094	1	Tee, Swivel, Branched 16 FF

Origin
6/03

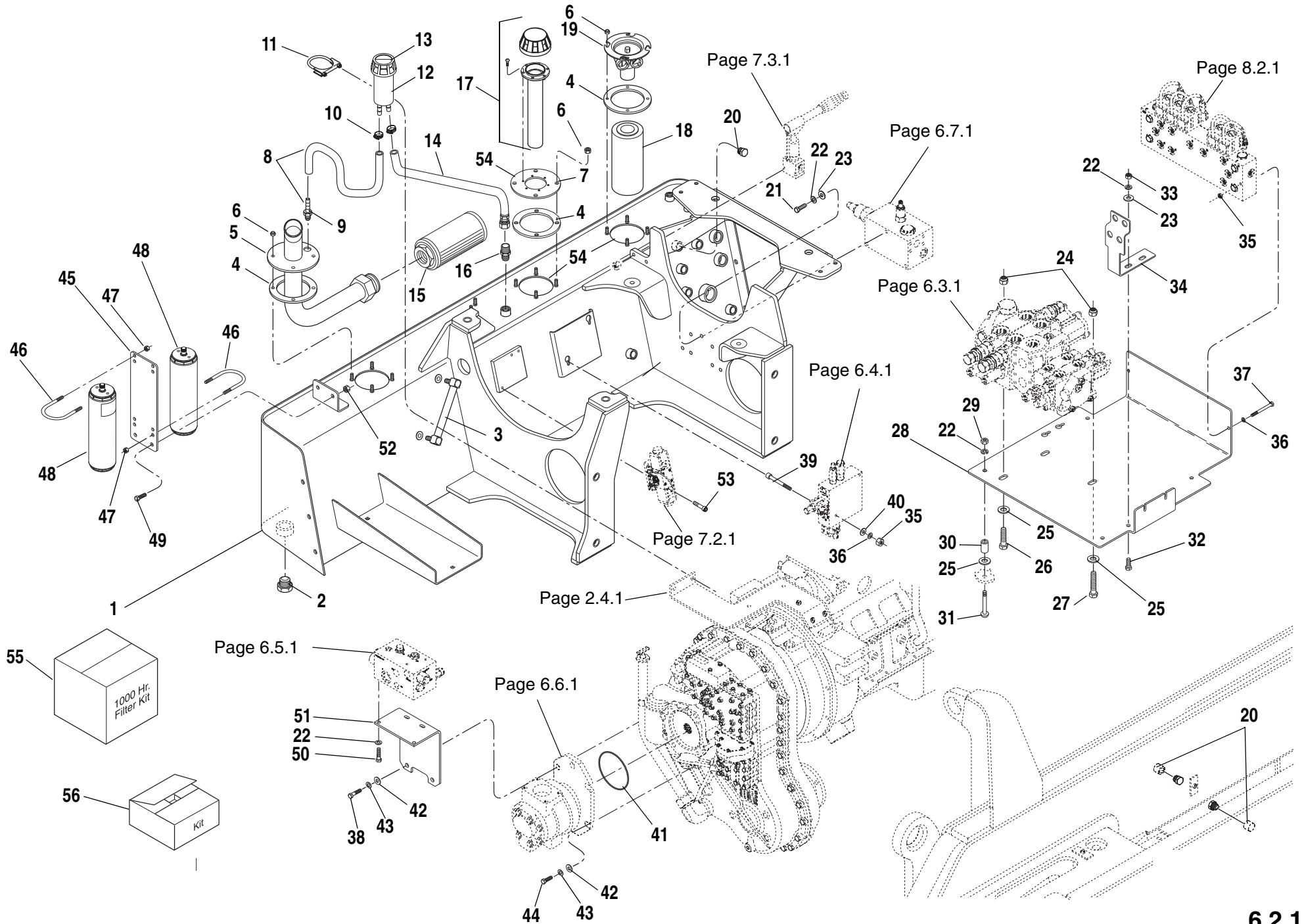
MMV

Tier 1
Tier 2

S/N MV201 -

CONTROL VALVES HYDRAULIC CIRCUIT

6.1.1.1



Rev.
7/05

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623383	1	Hydraulic Reservoir/Engine Mount
2	8770001	1	Plug, 1.875-12 THD
3	8464013	1	Sight Gauge
4	7138209	3	Gasket
5	7139984	1	Tube Weldment Assembly
6	8305626	12	Nut, Hex Lock 0.312-18 NC
7	0080268	1	Plate Adapter, Fill Neck
8	2716854	1	Hose, Special (Includes Item 9)
9	8430096	1	Coupling, Hose Barb #6-6P
10	8410009	2	Clamp, Gear
11	8275212	1	Clamp, Muffler, 2-1/2" U Type
12	7139980	1	Breather Assembly (Includes Item 13)
13	8036387	1	Cap, Breather Assembly
14	2716853	1	Hose, Special
15	8324029	1	Strainer
16	8770116	1	Connector, -8ORB x -8FF
17	7300479	1	Fill Neck Assembly
18	8320265	1	Element, Filter, Hydraulic Oil (See Kits)
19	7094562	1	Head, Filter
20	8760419	3	Plug, SAE 8, 3/4-16 UNF-2A
21	8303675	3	HHCS, 3/8-16 NC x 1.25"
22	8307005	13	Washer, Lock 3/8"
23	8307204	5	Washer, Plain 3/8"
24	8305644	3	Nut, Hex Lock Elastic, 1/2"-13
25	8307206	7	Washer, Plain 1/2"
26	8303627	2	HHCS, 1/2"-13 NC x 1-3/4"
27	8303693	1	HHCS, 1/2"-13 NC x 2-1/2"
28	7135773	1	Bracket, Main Valve
29	8305603	4	Nut, Hex Lock 3/8"-16
30	7116691	4	Spacer
31	8310281	4	Bolt, Carriage 3/8-16 x 2.25"
32	8303620	2	HHCS, 3/8-16 x 1.00"
33	8305008	2	Nut, Hex, 3/8"-16 NC
34	7137022	1	Bracket, Bulkhead, Pilot Valve
35	8305006	4	Nut, Hex 5/16"-18
36	8307004	4	Washer, Lock 5/16"
37	8303766	2	HHCS, 5/16"-18 x 2-3/4"

ITEM	PART NO.	QTY.	DESCRIPTION
38	8310594	2	HHCS, M12-1,75 x 50 mm
39	8310393	2	Bolt, Carriage 5/16"-18 x 2-3/4"
40	8307203	2	Washer, Plain 5/16"
41	8630016	1	O-Ring, 130 x 3 mm
42	8307220	4	Washer, Plain, M12
43	8307025	4	Washer, Lock M12
44	8310164	2	HHCS, M12-1,75 x 40 mm
45	7300205	1	Mount, Accumulator
46	8310586	4	U-Bolt, 3/8"-16 x 4-1/8"
47	8305645	8	Nut, Hex Lock Elastic 3/8-16
48	8742008	2	Accumulator, 1 Liter Hydraulic
49	8303626	2	HHCS, 1/2"-13 x 1-1/2" Gr. 5
50	8303620	4	HHCS, 3/8-16 x 1.00"
51	7300206	1	Bracket, Accumulator Charge
52	8310456	2	Nut, Hex 1/2"-13 NC Gr.5
53	8310327	4	SHCS, #10-24 NC x 1 1/8"
54	0100087	A/R	Gasket Sealant Adhesive
KITS			
55	8024015	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)
56	10268992	1	Kit, Accumulator Fill

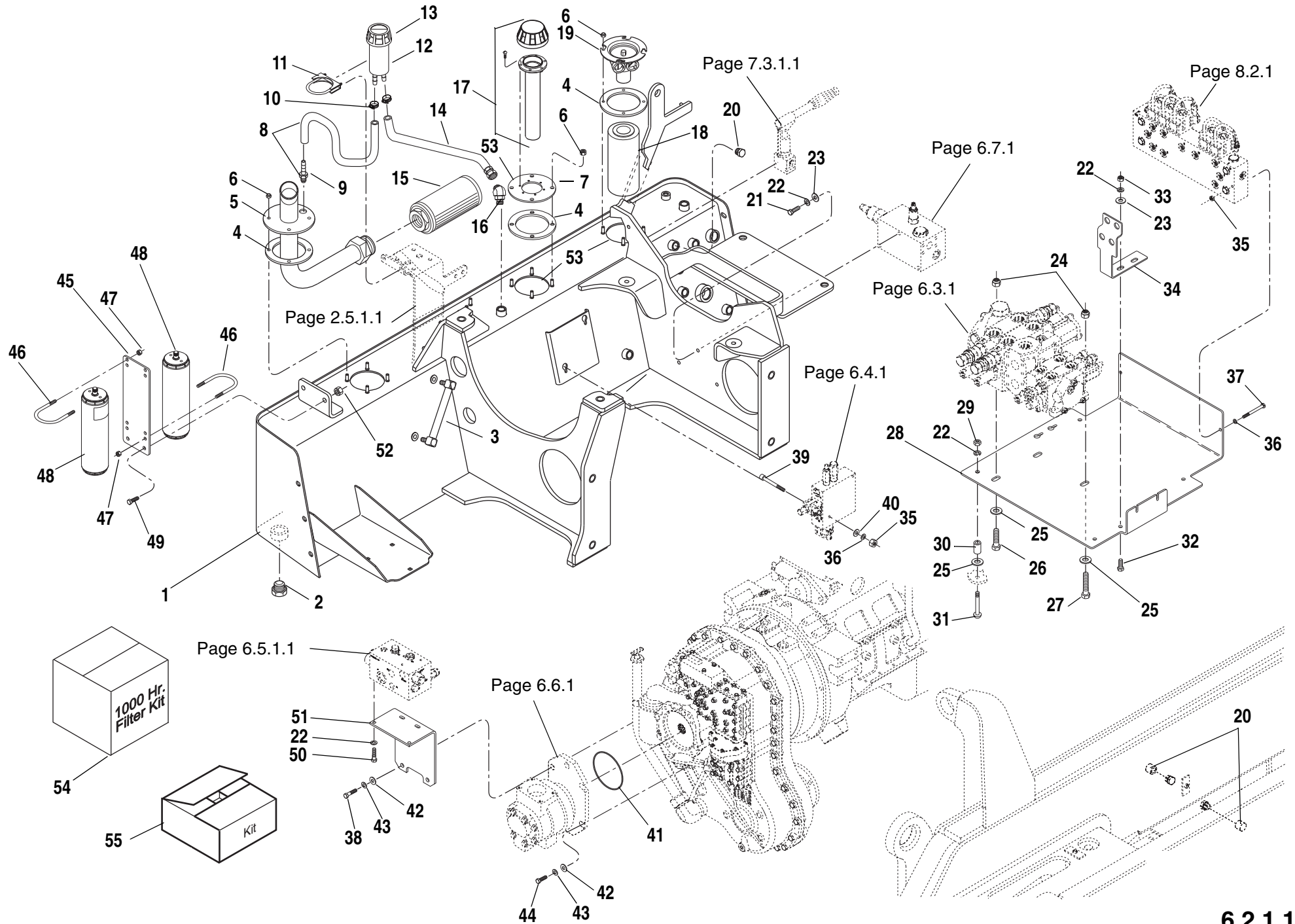
S/N MV006 – MV200

MMV

Tier 1
Tier 2

HYDRAULIC RESERVOIR AND CONTROL VALVES

6.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623883	1	Hydraulic Reservoir/Engine Mount
2	8770001	1	Plug, 1.875-12 THD
3	8464013	1	Sight Gauge
4	7138209	3	Gasket
5	7139984	1	Tube Weldment Assembly
6	8305626	12	Nut, Hex Lock 0.312-18 NC
7	0080268	1	Plate Adapter, Fill Neck
8	2716854	1	Hose, Special (Includes Item 9)
9	8430096	1	Coupling, Hose Barb #6-6P
10	8410009	2	Clamp, Gear
11	8275212	1	Clamp, Muffler, 2-1/2" U Type
12	7139980	1	Breather Assembly (Includes Item 13)
13	8036387	1	Cap, Breather Assembly
14	2716853	1	Hose, Special
15	8324029	1	Strainer
16	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
17	7300479	1	Fill Neck Assembly
18	8320265	1	Element, Filter, Hydraulic Oil (See Kits)
19	7094562	1	Head, Filter
20	8760419	3	Plug, SAE 8, 3/4-16 UNF-2A
21	8303675	3	HHCS, 3/8-16 NC x 1.25"
22	8307005	13	Washer, Lock 3/8"
23	8307204	5	Washer, Plain 3/8"
24	8305644	3	Nut, Hex Lock Elastic, 1/2"-13
25	8307206	7	Washer, Plain 1/2"
26	8303627	2	HHCS, 1/2"-13 NC x 1-3/4"
27	8303693	1	HHCS, 1/2"-13 NC x 2-1/2"
28	7135773	1	Bracket, Main Valve
29	8305603	4	Nut, Hex Lock 3/8"-16
30	7116691	4	Spacer
31	8310281	4	Bolt, Carriage 3/8-16 x 2.25"
32	8303620	2	HHCS, 3/8-16 x 1.00"
33	8305008	2	Nut, Hex, 3/8"-16 NC
34	7137022	1	Bracket, Bulkhead, Pilot Valve
35	8305006	4	Nut, Hex 5/16"-18
36	8307004	4	Washer, Lock 5/16"
37	8303766	2	HHCS, 5/16"-18 x 2-3/4"

ITEM	PART NO.	QTY.	DESCRIPTION
38	8310594	2	HHCS, M12-1,75 x 50 mm
39	8310393	2	Bolt, Carriage 5/16"-18 x 2-3/4"
40	8307203	2	Washer, Plain 5/16"
41	8630016	1	O-Ring, 130 x 3 mm
42	8307220	4	Washer, Plain, M12
43	8307025	4	Washer, Lock M12
44	8310164	2	HHCS, M12-1,75 x 40 mm
45	7300205	1	Mount, Accumulator
46	8310586	4	U-Bolt, 3/8"-16 x 4-1/8"
47	8305645	8	Nut, Hex Lock Elastic 3/8-16
48	8742008	2	Accumulator, 1 Liter Hydraulic
49	8303626	2	HHCS, 1/2"-13 x 1-1/2" Gr. 5
50	8303620	4	HHCS, 3/8-16 x 1.00"
51	7300206	1	Bracket, Accumulator Charge
52	8310456	2	Nut, Hex 1/2"-13 NC Gr.5
53	0100087	A/R	Gasket Sealant Adhesive
KITS			
54	8024052	1	1000 Hour Filter Kit (Includes 7 Filters: Engine Oil Filter, Fuel Filter, Both Air Filters, Transmission Oil Filter & Hydraulic Oil Filter)
55	10268992	1	Kit, Accumulator Fill

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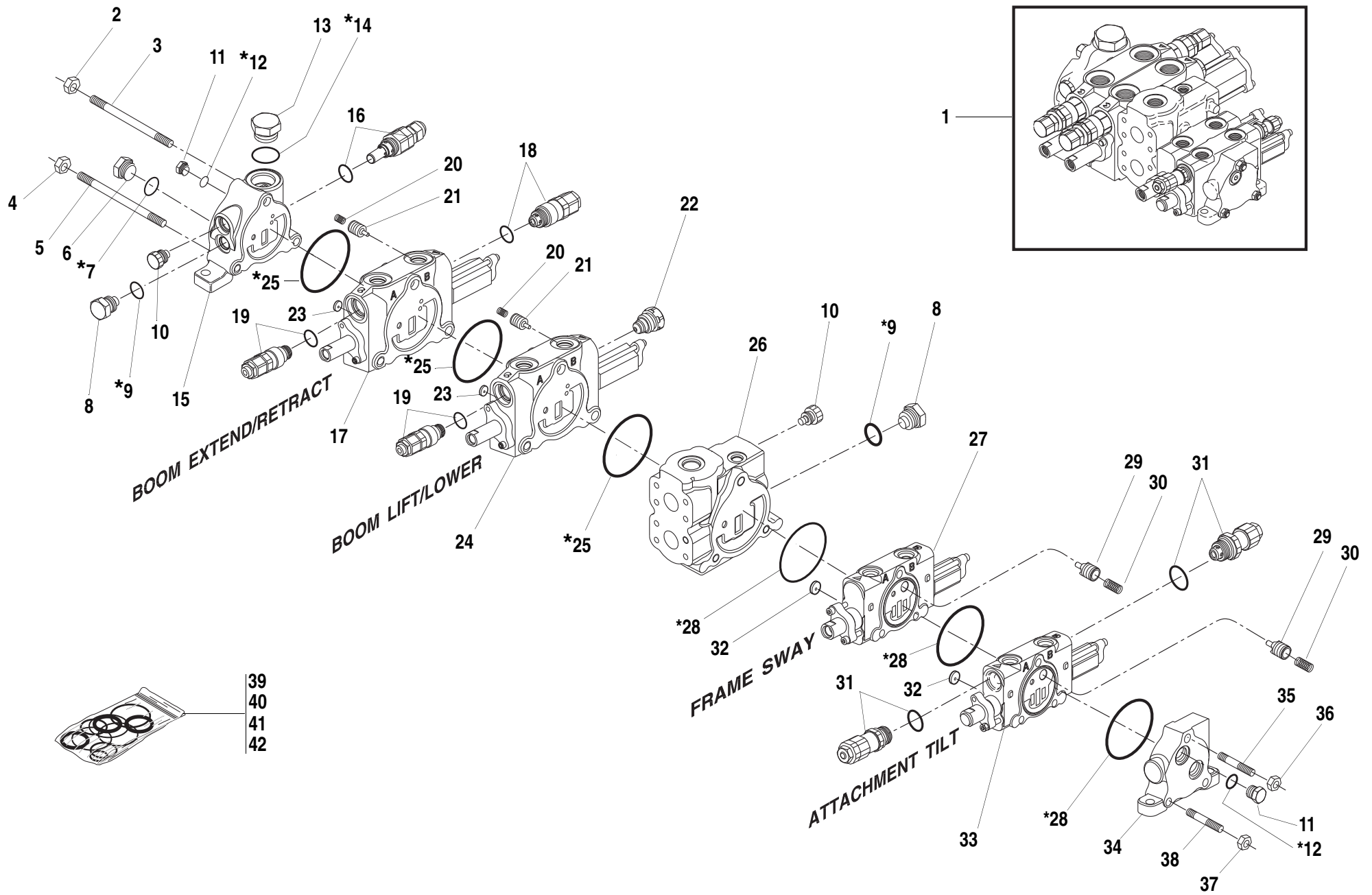
S/N MV201 –

MMV

Tier 1
Tier 2

HYDRAULIC RESERVOIR AND CONTROL VALVES

6.2.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902290	1	Main Control Valve Assembly (complete) (includes items 2 thru 38)
2	8035347	1	Nut
3	8036282	1	Tie Rod
4	8035381	2	Nut
5	8036281	2	Tie Rod
6	8035836	1	Plug
7*	See Kits	1	O-Ring
8	8035834	2	Plug)
9*	See Kits	2	O-Ring
10	8035841	2	Shut-Off Plug Assembly (Not used on MV201 and After)
11	8035843	2	Plug
12*	See Kits	2	O-Ring
13	8035835	1	Plug
14*	See Kits	1	O-Ring
15	8036263	1	Outlet Section Assembly
16	8035844	1	Main Relief Valve Assembly Preset at 3800 ±50 psi (For Seal Kit use Item 41)
17	8035850	1	Section Assembly Boom Extend/Retract (Includes Items 20, 21 and 25)
18	8036007	1	Relief Valve Assembly - Preset at 3750 ± 50 psi (258±3,4bar)(IncludesO-Ring)(ForSealKit Use Item 40)
19	8035839	2	Relief Valve Assembly - Preset at 3000 ± 50 psi (207 ± 3,4 bar) (Includes O-Ring) (For Seal Kit Use Item 40)
20	8035358	2	Spring
21	8035367	2	Poppet
22	8035363	1	Anti-Void Assembly
23	8035845	2	Shuttle
24	8035850	1	Section Assembly Boom Lift/Lower (Includes Items 20, 21 and 25)
25*	8036284	3	O-Ring
26	8035849	1	Mid-Inlet Section Assembly

ITEM	PART NO.	QTY.	DESCRIPTION
27	8035846	1	Section Assembly - Frame Sway and Stabil-Trak (Includes Items 28, 29 and 30)
28*	8036260	3	O-Ring
29	8035366	2	Poppet
30	8035365	2	Spring
31	8035840	2	Relief Valve Assembly - Preset at 4000 ± 50 psi (For Seal Kit use Item 42)
32	8035045	2	Shuttle
33	8035847	1	Section Assembly - Attachment Tilt and Slave (Includes Items 28, 29 and 30)
34	8035345	1	Outlet Section Assembly
35	8036291	1	Tie Rod
36	8035346	1	Nut
37	8035348	2	Nut
38	8036292	2	Tie Rod
			<u>KITS</u>
39	8036285	1	Seal Kit Entire Valve (Includes Items with *)
40	8035856	1	Seal and Spring Kit (For Items 18 and 19)
41	8036183	1	Seal and Spring Kit, Relief Valve (For Item 16)
42	8035855	1	Seal and Spring Kit, Relief Valve (For Item 31)

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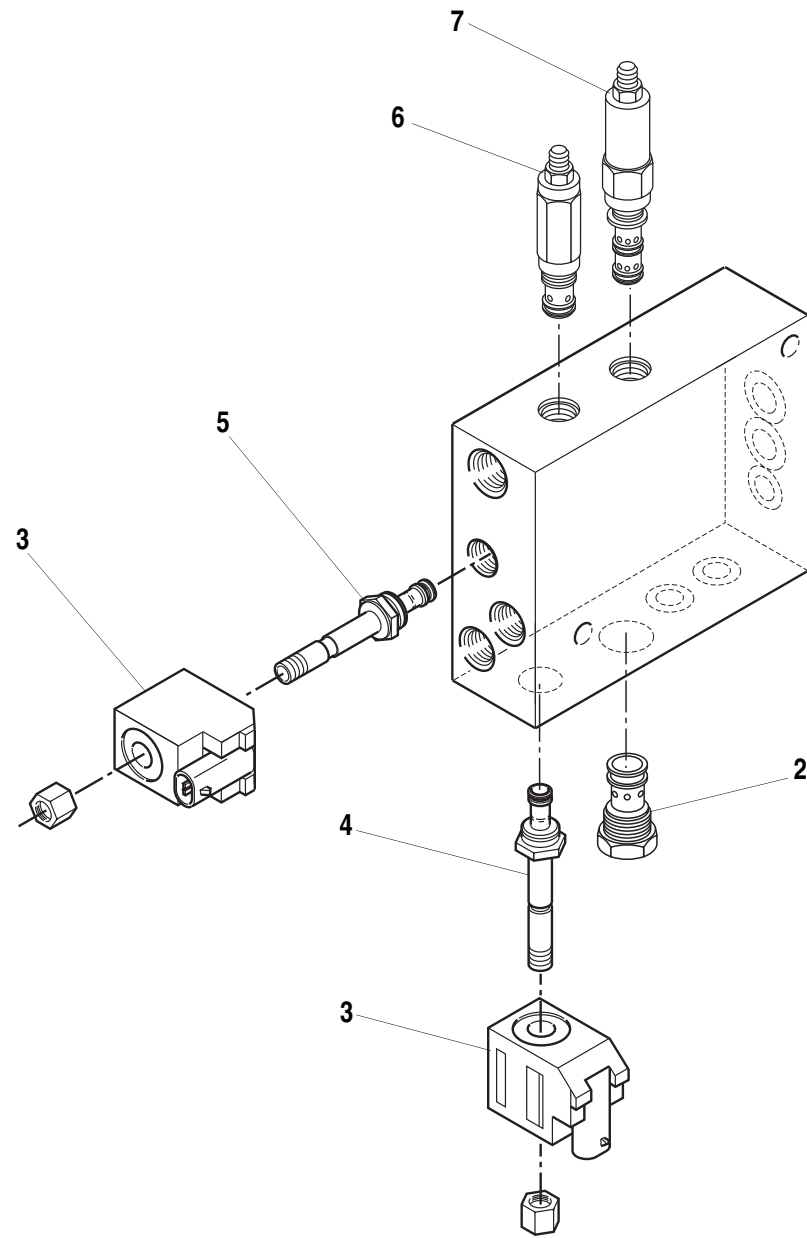
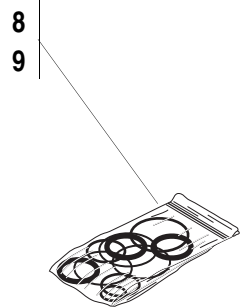
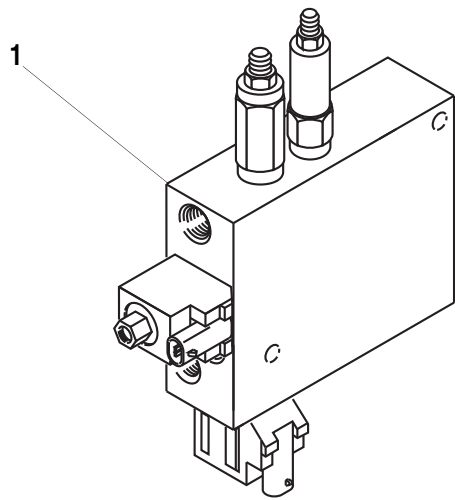
MAIN CONTROL VALVE ASSEMBLY

6.3.1

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MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902299	1	Secondary Function Manifold Assembly (Includes Items 2 thru 7)
2	8032995	1	Valve, Check (Seal Kit Item 9)
3	8902698	2	Coil, Solenoid w/Integrated Diode
4	8902696	1	Cartridge, Solenoid Valve (Seal Kit Item 9)
5	8902697	1	Cartridge, Solenoid Valve (Seal Kit Item 9)
6	8032991	1	Valve, Relief Preset at 650 psi (45 bar) (Seal Kit Item 8)
7	8032993	1	Valve, Pressure Reducing Preset at 550 psi (38 bar) (Seal Kit Item 8)
			<u>KITS</u>
8	8032994	1	Seal Kit (For Servicing Items 6 & 7)
9	8032992	1	Seal Kit (For Servicing Items 2, 4 & 5)

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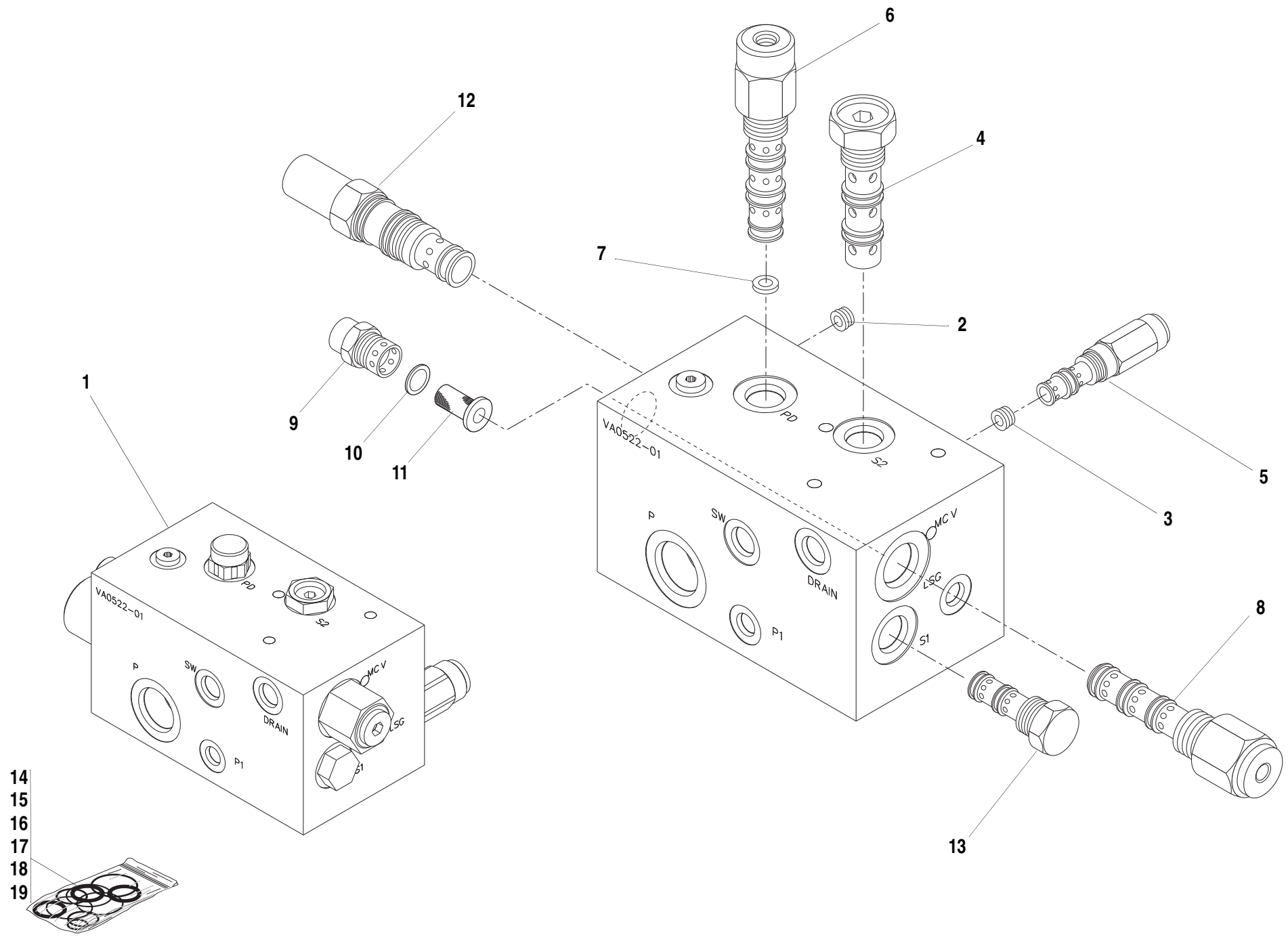
MMV

Tier 1
Tier 2

S/N MV006-

SECONDARY FUNCTION MANIFOLD ASSEMBLY

6.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902297	1	Valve, Accumulator Charge (Includes Items 2 thru 13)
2	8036452	1	Plug, Orifice 1/16" (.040) (PIL)
3	8036453	1	Plug, Orifice 1/16" (.032) (RV OR1)
4	8036454	1	Shuttle, Inverted (S2) (Seal Kit Item 14)
5	8036455	1	Valve, Relief, 2400PSI (RV) (Seal Kit Item 15)
6	8036456	1	Directional, Pilot (PD) (Seal Kit Item 16)
7	8036457	1	Disc, Orifice, .032 Dia. (PD)
8	8036458	1	Cartridge, Accumulator Charge (MCV) (Includes Items 9,10 and 11)
9	N.S.S.	1	Retainer, Filter (Order Item 8)
10	N.S.S.	1	Washer (Order Item 8)
11	N.S.S.	1	Filter, Sintered (Order Item 8 and also Filter is included with Seal Kit Item 17)
12	8036460	1	Compensator (EC) (Seal Kit Item 18)
13	10837580	1	Valve, Load Shuttle (S1) (Seal Kit Item 19)
<u>KITS</u>			
14	8036490	1	Seal Kit (For Item 4)
15	8036492	1	Seal Kit (For Item 5)
16	7017402	1	Seal Kit (For Item 6)
17	8036491	1	Seal Kit (For Item 8)
18	8036493	1	Seal Kit (For Item 12)
19	8036572	1	Seal Kit (For Item 13)

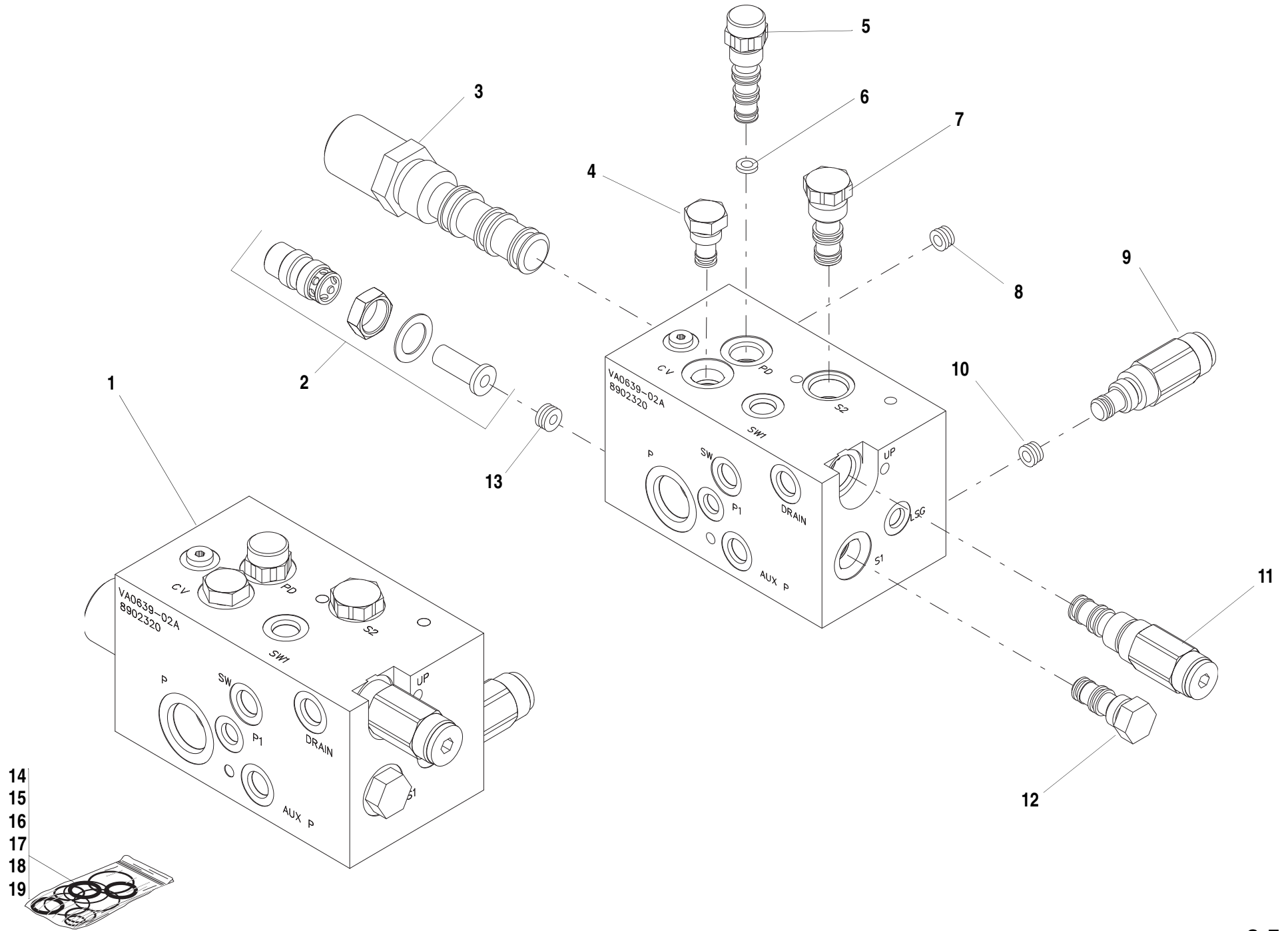
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MMV

Tier 1
Tier 2

ACCUMULATOR CHARGE VALVE ASSEMBLY

6.5.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902320	1	Valve, Accumulator Charge (Includes Items 2 thru 13)
2	8036564	1	Filter Assembly (Seal Kit Item 14)
3	8036460	1	Compensator (EC) (Seal Kit Item 15)
4	8033769	1	Check Valve, 4PSI (CV) (Seal Kit Item 19)
5	8036456	1	Directional, Pilot (PD) (Seal Kit Item 16)
6	8036457	1	Disc, Orifice, .032 Dia. (PD)
7	8036568	1	Shuttle Cartridge, Invetred (S2)
8	8036452	1	Plug, Orifice 1/16" (.040) (PIL)
9	8036788	1	Cartridge, Relief, Direct Acting 2300 PSI (RV) (Seal Kit Item 19)
10	8036453	1	Plug, Orifice 1/16" (.032) (RV OR1)
11	8036566	1	Cartridge, Charge Logic 1050-1950 PSI (UP) (Seal Kit Item 17)
12	10837580	1	Valve, Load Shuttle (S1) (Seal Kit Item 18)
13	8036789	1	Plug, Orifice 1/16" (.052) (Filter OR2)
			<u>KITS</u>
14	8036491	1	Seal Kit (For Item 2)
15	8036493	1	Seal Kit (For Item 3)
16	7017402	1	Seal Kit (For Item 5)
17	8036567	1	Seal Kit (For Item 11)
18	8036572	1	Seal Kit (For Item 12)
19	10868086	1	Seal Kit (For Item 4 and 9)

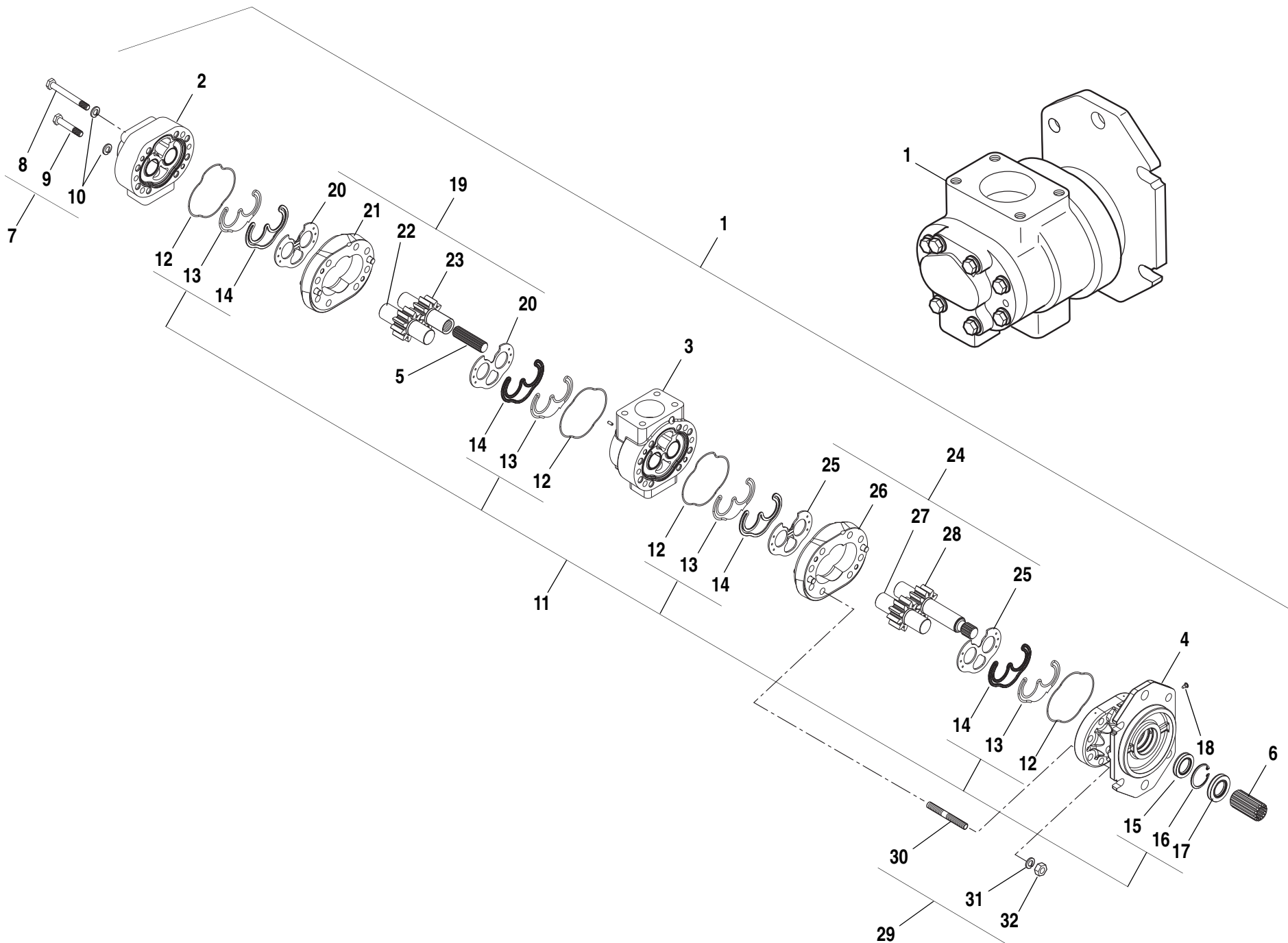
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Tier 1
Tier 2

S/N MV201 –

ACCUMULATOR CHARGE VALVE ASSEMBLY 6.5.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8440236	1	Gear Pump Assembly-Two Stage (Includes Items 2 thru 32)
2	N.S.S.	1	Cover, Rear (Order Item 1)
3	N.S.S.	1	Port Section (Order Item 1)
4	N.S.S.	1	Cover, "C" Mount Front (Order Item 1)
5	8036485	1	Coupling
6	8036486	1	Coupling, "C" Spline
7	8036480	1	Bolt Kit (Includes Items 8, 9 and 10)
8	N.S.S.	4	Bolt 7/16-14 x 4.00" (Order Item 7)
9	N.S.S.	4	Bolt 7/16-14 x 2.75" (Order Item 7)
10	N.S.S.	8	Washer, Lock 7/16" (Order Item 7)
11	8036481	1	Seal Kit (Includes Items 12 thru 18)
12	N.S.S.	4	O-Ring (Order Item 11)
13	N.S.S.	4	E-Ring (Order Item 11)
14	N.S.S.	4	Retaining Ring (Order Item 11)
15	N.S.S.	1	Seal, Inner Shaft (Order Item 11)
16	N.S.S.	1	Snap Ring (Order Item 11)
17	N.S.S.	1	Seal, Outer Shaft (Order Item 11)
18	N.S.S.	1	Plug, Weep Hole (Order Item 11)
19	8036482	1	Rear Section Kit (Includes Items 20 thru 23)
20	N.S.S.	2	Wear Plate (Order Item 19)
21	N.S.S.	1	Center Section (Order Item 19)
22	N.S.S.	1	Gear, Driven (Order Item 19)
23	N.S.S.	1	Gear, Rear Drive (Order Item 19)
24	8036483	1	Front Section Kit (Includes Items 25 thru 28)
25	N.S.S.	2	Wear Plate (Order Item 24)
26	N.S.S.	1	Center Section (Order Item 24)
27	N.S.S.	1	Gear, Driven (Order Item 24)
28	N.S.S.	1	Gear, Drive, "B" Spline (Order Item 24)
29	8036484	1	Front Stud Kit (Includes Items 30 thru 32)
30	N.S.S.	8	Stud, 7/16 x 3.51" (Order Item 29)
31	N.S.S.	8	Washer, Lock 7/16" (Order Item 29)
32	N.S.S.	8	Nut, 7/16-20 x 3/8" (Order Item 29)

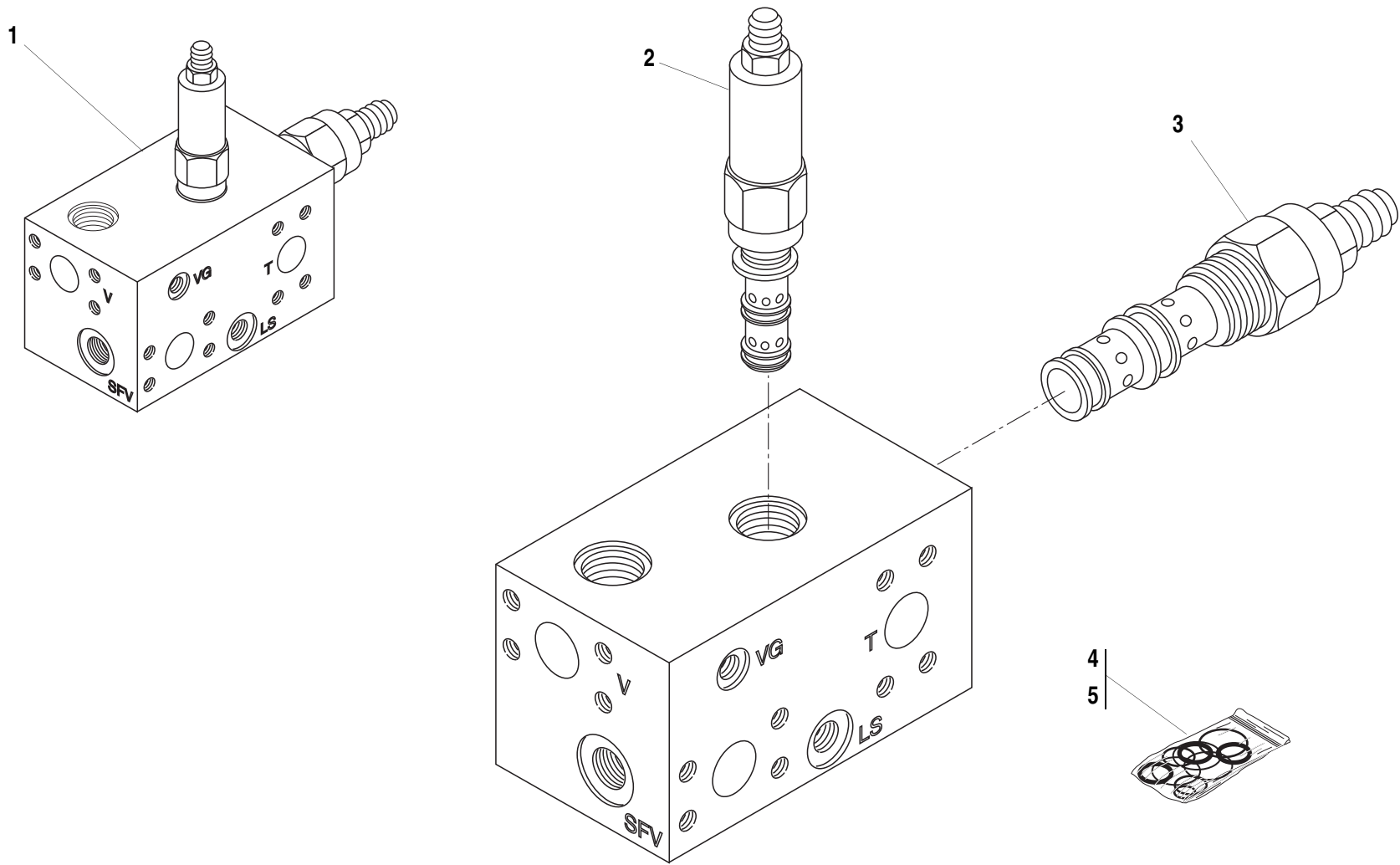
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MMV

Tier 1
Tier 2

GEAR PUMP ASSEMBLY-TWO STAGE

6.6.1



ITEM	PART NO.	QTY.	DESCRIPTION
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1	8902287	1	Unloader Valve Assembly (Includes Items 2 and 3)
2	8036356	1	Valve, Relief (3400-3500 psi (234-241 bar) (Seal Kit Item 4)
3	8035775	1	Valve, Differential Pressure Sense (Seal Kit Item 5)
	8036187	1	Seal Kit
<u>KITS</u>			
4	8034037	1	Seal Kit (For Item 2)
5	8036192	1	Seal Kit (For Item 3)

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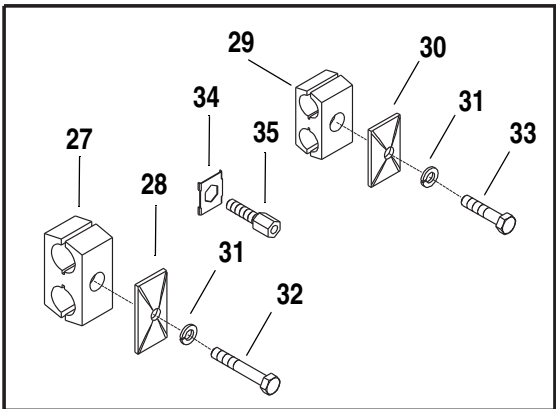
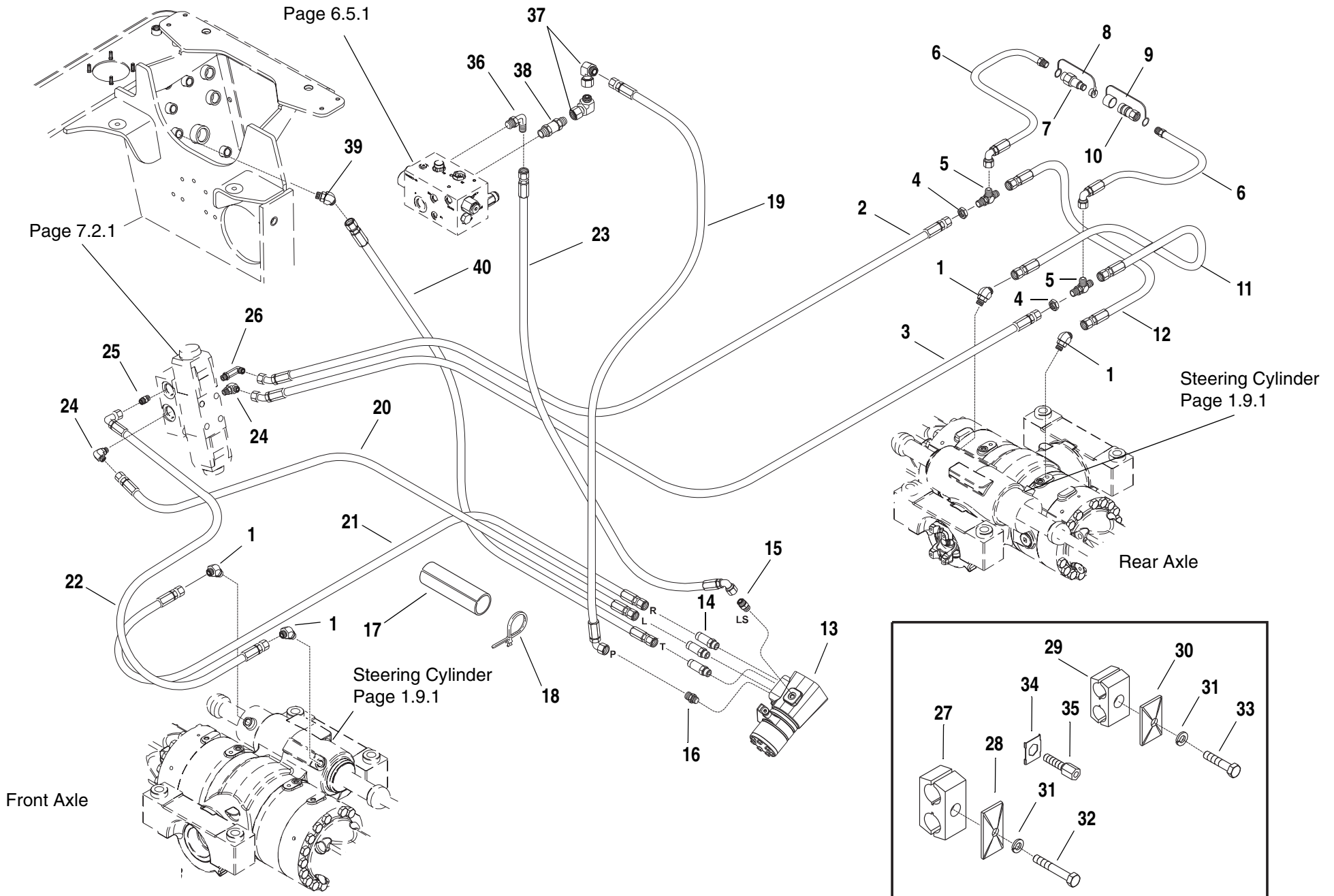
Tier 1
Tier 2

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3 Mode Steering Directional Control Valve	7.2.1
Service and Parking Brake Hydraulic Circuit	7.3.1
Service Brake Valve And Pedal Assemblies.	7.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8770127	4	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
2	2716573	1	Hose, 0.50 x 84.00"
3	2716574	1	Hose, 0.50 x 98.00"
4	8770129	2	Nut, Bulkhead, SAE 8 - OFS
5	8770167	2	Connector, Bulkhead, Tee 8FF
6	2716841	2	Hose, 0.50 x 45.00"
7	8430084	1	Nipple, Quick Disconnect -Male
8	8430054	1	Cap, Dust, #6
9	8430053	1	Cap, Dust, #6
10	8430083	1	Coupling, Quick Disconnect -Female
11	2716538	1	Hose, 0.50 x 33.50"
12	2716539	1	Hose, 0.50 x 35.25"
13	8721031	1	Steering Orbital, 2 Section (See Page 3.5.1 for mounting hardware)
14	8770117	3	Connector, Long, SAE 8 - str. thd. ORB x OFS
15	8770204	1	Connector, SAE 4 - str. thd. ORB x 6 OFS
16	8770131	1	Connector, Male Flat face tube, w/Inlet Check
17	7139983	A/R	Conduit
18	8584003	A/R	Tie, Cable
19	2716879	1	Hose, 0.50 x 144.00"
20	2716569	1	Hose, 0.50 x 82.00"
21	2716570	1	Hose, 0.50 x 115.00"
22	2716568	1	Hose, 0.50 x 117.00"
23	2716881	1	Hose, 0.38 x 93.00"
24	8770114	2	Elbow, 90°, SAE 8 - str. thd. ORB x OFS
25	8770116	1	Connector, SAE 8 - str. thd. ORB x OFS
26	8770168	1	Elbow, Long, 90°, SAE 8 - str. thd. ORB x OFS
27	8750016	A/R	Clamp Set, 0.84 Dia. Twin
28	8769128	A/R	Plate, Cover, Clamp Set, 0.84 Dia.
29	8750015	A/R	Clamp Set, 0.67 Dia. Twin
30	8769123	A/R	Plate, Cover, Clamp Set, 0.67 Dia.
31	8307004	A/R	Washer, Lock 0.312
32	8310009	A/R	HHCS, 0.312-18 NC x 2.00"
33	8303715	A/R	HHCS, 0.312-18 NC x 1.50"
34	8750017	A/R	Plate, Locking
35	8750012	A/R	Bolt, Stacking
36	8770105	1	Elbow, 90° Swivel, SAE 6 - o-ring face seal

37	8770206	2	Elbow, SW, 90°, SAE 10
38	8770213	1	Connector, Long, 10 ORB x 10 FF
39	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFSI
40	2716624	1	Hose, 0.50 x 102.00"

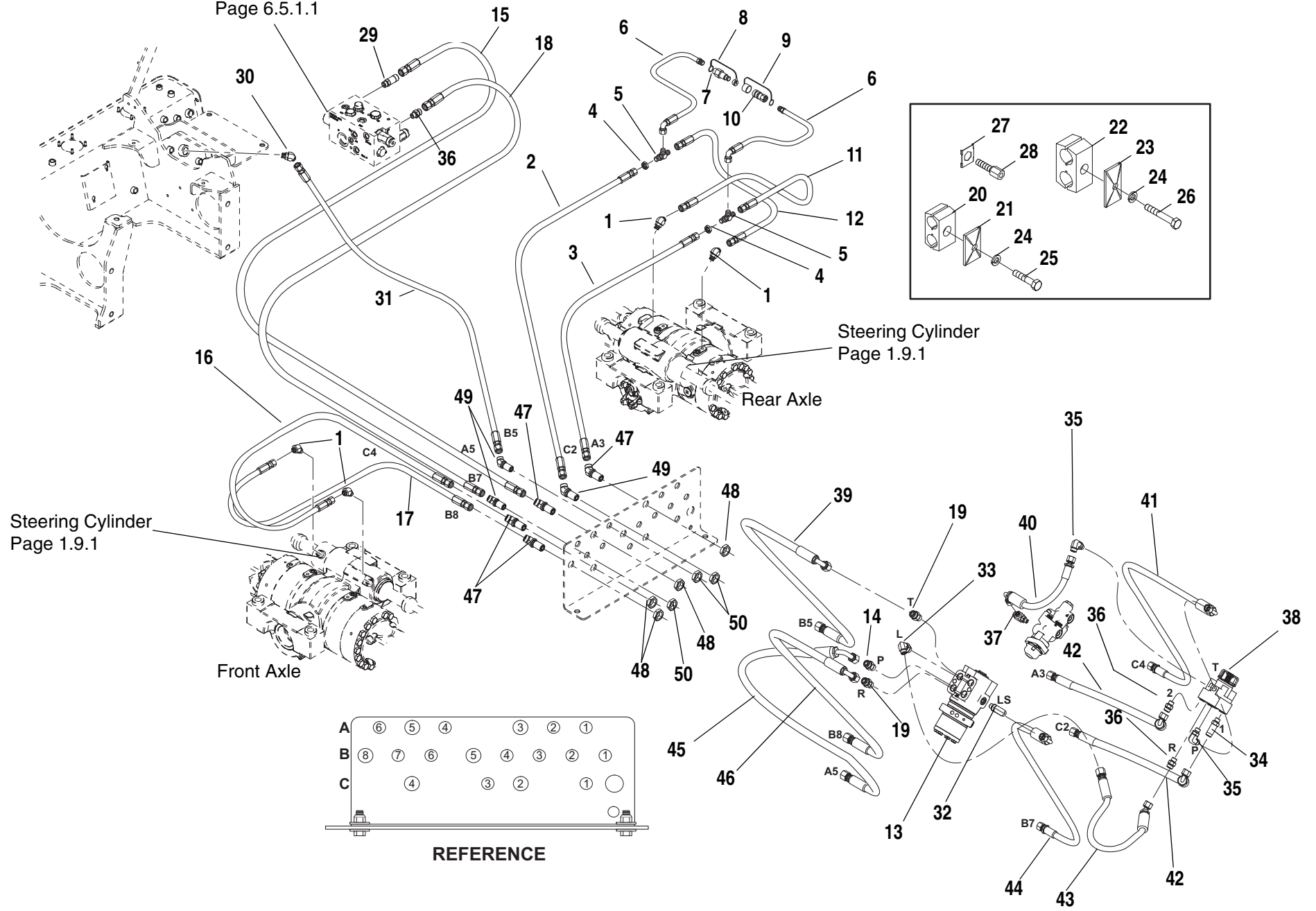
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3 MODE STEERING HYDRAULIC CIRCUIT 7.1.1

MMV

Tier 1
Tier 2



A	6	5	4	3	2	1		
B	8	7	6	5	4	3	2	1
C		4		3	2	1	○	○

REFERENCE

ITEM	PART NO.	QTY.	DESCRIPTION
1	8770127	4	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
2	2717230	1	Hose, 0.50 x 72.00"
3	2717229	1	Hose, 0.50 x 65.00"
4	8770129	2	Nut, Bulkhead, SAE 8 - OFS
5	8770167	2	Connector, Bulkhead, Tee 8FF
6	2716841	2	Hose, 0.50 x 45.00"
7	8430084	1	Nipple, Quick Disconnect -Male
8	8430054	1	Cap, Dust, #6
9	8430053	1	Cap, Dust, #6
10	8430083	1	Coupling, Quick Disconnect -Female
11	2716538	1	Hose, 0.50 x 33.50"
12	2716539	1	Hose, 0.50 x 35.25"
13	8721031	1	Steering Orbital, 2 Section (See Page 3.5.1.1 for mounting hardware)
14	8770131	1	Connector, Male Flat face tube, w/Inlet Check
15	2717220	1	Hose, 0.50 x 61.00"
16	2717228	1	Hose, 0.50 x 101.00"
17	2717231	1	Hose, 0.50 x 88.00"
18	2717226	1	Hose, 0.38 x 55.00"
19	8770116	2	Connector, SAE 8 - str. thd. ORB x OFS
20	8750016	A/R	Clamp Set, 0.84 Dia. Twin
21	8769128	A/R	Plate, Cover, Clamp Set, 0.84 Dia.
22	8750015	A/R	Clamp Set, 0.67 Dia. Twin
23	8769123	A/R	Plate, Cover, Clamp Set, 0.67 Dia.
24	8307004	A/R	Washer, Lock 0.312
25	8310009	A/R	HHCS, 0.312-18 NC x 2.00"
26	8303715	A/R	HHCS, 0.312-18 NC x 1.50"
27	8750017	A/R	Plate, Locking
28	8750012	A/R	Bolt, Stacking
29	8770213	1	Connector, Long, 10 ORB x 10 FF
30	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFSI
31	2717233	1	Hose, 0.50 x 70.00"
32	8770102	1	Elbow, 90°, SAE 6-4 - str. thd. ORB x OFS
33	8770103	1	Ebow 90° 8 ORB x 6 FF
34	8770107	1	Connector, Long, SAE 6 - str. thd. ORB x OFS
35	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
36	8770106	3	Connector, SAE 6 - str. thd. ORB x OFS

37	8770066	1	Tee, SW Run -6ORB x -6FF
38	8902310	1	Valve, Steer Select
39	2717213	1	Hose, 0.50 x 60.00"
40	2716927	1	Hose, 0.50 x 17.00"
41	2717208	1	Hose, 0.50 x 54.00"
42	2717212	2	Hose, 0.50 x 69.00"
43	2717211	1	Hose, 0.38 x 17.50"
44	2717214	1	Hose, 0.38 x 54.00"
45	2717207	1	Hose, 0.50 x 54.00"
46	2717219	1	Hose, 0.50 x 54.00"
47	8770162	4	Elbow, 45° Bulkhead 8FF
48	8770129	4	Nut, Bulkhead 8FF
49	8770290	3	Elbow, 45° Bulkhead 6FF
50	8770155	3	Nut, Bulkhead 6FF

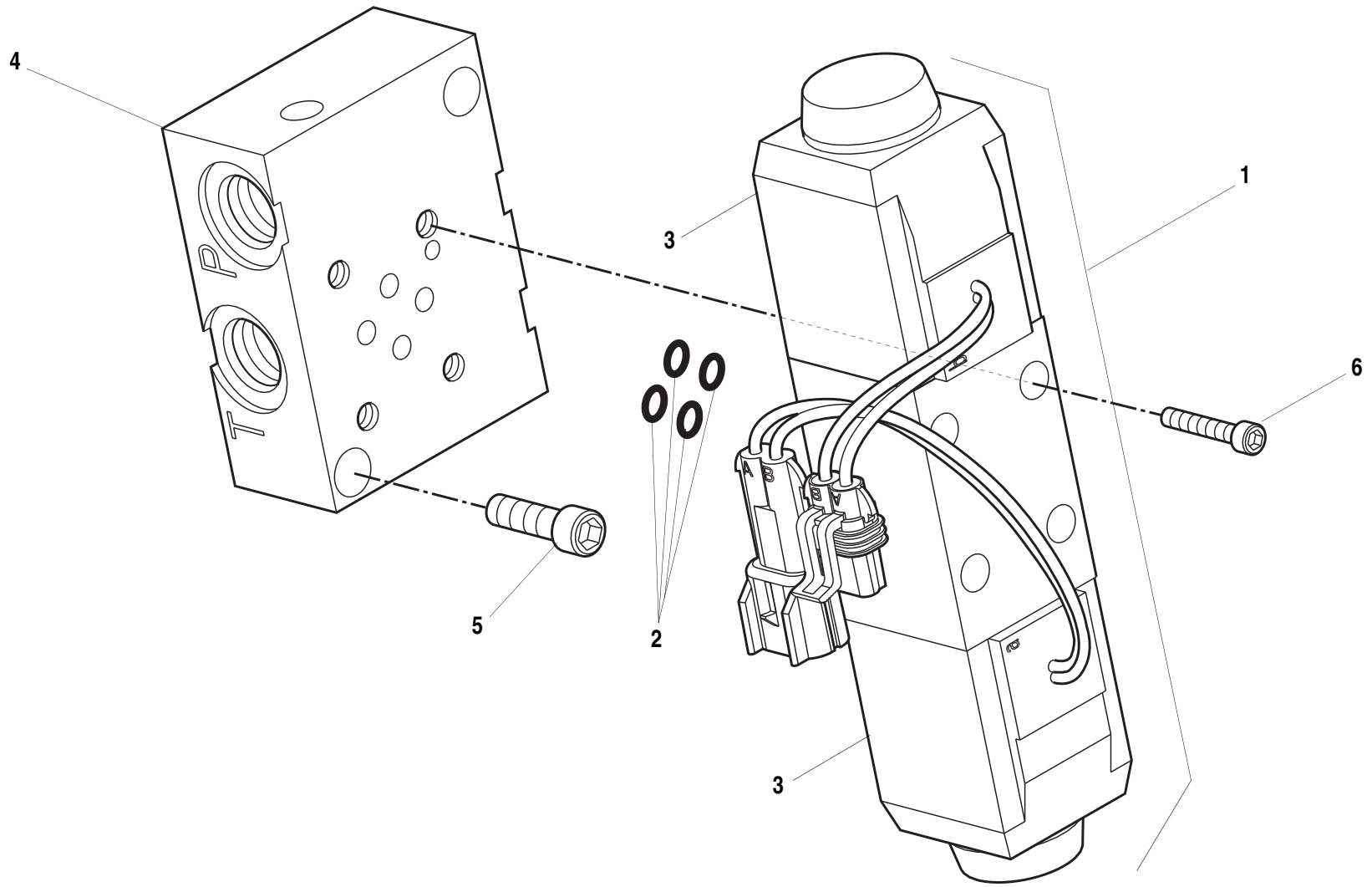
Origin
6/03

S/N MV201 –

3 MODE STEERING HYDRAULIC CIRCUIT 7.1.1.1

MMV

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902197	1	3 Mode Steering Directional Control Valve (Includes Items 2 and 3)
2	8640017	4	O-Ring
3	8036554	2	Coil, Solenoid
4	8902111	1	Subplate, Steer Select Valve
5	8310327	4	SHCS, #10-24 NC x 1 1/8"
6	8310326	2	SHCS, 5/16"-18 NC x 1 1/8"

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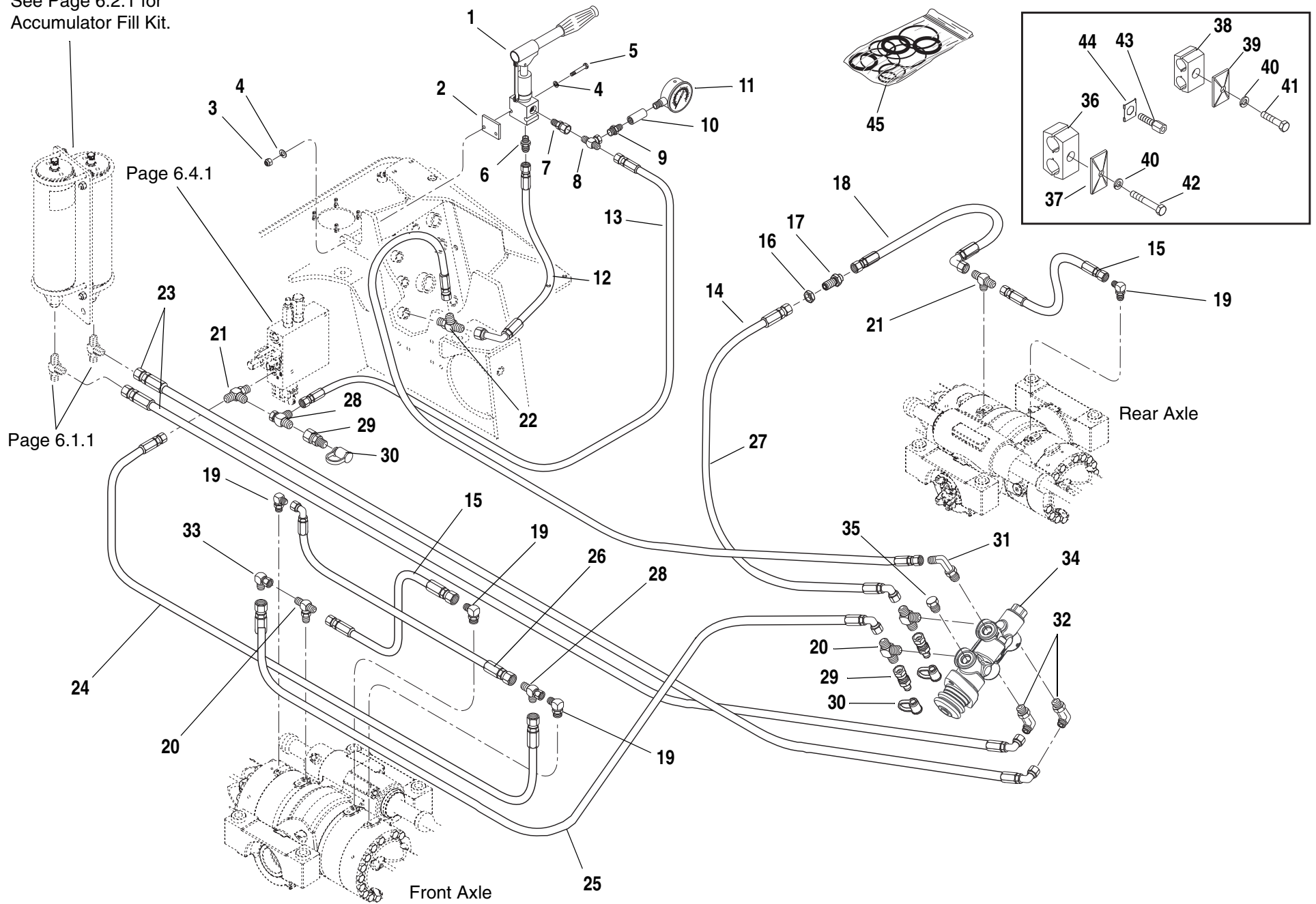
MMV

Tier 1
Tier 2

3 MODE STEERING DIRECTIONAL CONTROL VALVE

7.2.1

See Page 6.2.1 for
Accumulator Fill Kit.



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902282	1	Pump, Hydraulic Hand (Seal Kit Item 45)
2	7139852	1	Plate, Spacer
3	8305004	2	Nut, Hex, 0.25"- 20
4	8307002	4	Washer, Lock, 0.25"
5	8303728	2	HHCS, 0.25 - 20 x 2.75"
6	8770106	1	Connector, SAE 6 - str. thd. ORB x 6FF
7	8770176	1	Connector, Swivel SAE 6 - str. thd. ORB x 6FF
8	8770207	1	Tee, SW Branch 6FF
9	8770208	1	Connector, Male Pipe #6
10	8541003	1	Coupling, Pipe
11	6623498	1	Gauge, Pressure 1000 PSI
12	2716835	1	Hose, 0.38 x 11.5"
13	2716836	1	Hose, 0.38 x 42.00"
14	2716888	1	Hose, 0.38 x 113.00"
15	2716536	2	Hose, 0.38 x 7.25"
16	8770155	1	Nut, Bulkhead, SAE 6 - OFS
17	8770169	1	Connector, Bulkhead, SAE 6 - OFS
18	2716537	1	Hose, 0.38 x 31.75"
19	8770068	4	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
20	8770112	3	Tee, Branch, SAE 6 - str. thd. ORB x OFS
21	8770066	2	Tee, Male Run, SAE 6 - ORFS tube end x str. thd. o-ring
22	8770124	1	Tee, Male Run, SAE 8 - ORFS tube end x str. thd. o-ring
23	2716884	2	Hose, 0.38 x 130.00"
24	2716575	1	Hose, 0.38 x 117.50"
25	2716887	1	Hose, 0.38 x 124.00"
26	2716648	1	Hose, 0.38 x 16.50"
27	2716640	1	Hose, 0.38 x 116.00"
28	8770111	2	Tee, Swivel Run, SAE 6 - o-ring face seal
29	8430081	3	Nipple, Diagnostic
30	8430032	3	Plug, Dust
31	8770154	1	Elbow, 90° Long, 6 ORB - 6 OFS
32	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
33	8770105	1	Elbow, 90° Swivel, SAE 6 - OFS
34	8902298	1	Valve, Brake Modulating (Includes Items 3, 4 and 5 on Page 7.4.1)

35	8760451	1	Plug, Hex Hd., SAE 6 - male str. thd. o-ring
36	8750016	A/R	Clamp Set, 0.84 Dia. Twin
37	8769128	A/R	Plate, Cover, Clamp Set, 0.84 Dia.
38	8750015	A/R	Clamp Set, 0.67 Dia. Twin
39	8769123	A/R	Plate, Cover, Clamp Set, 0.67 Dia.
40	8307004	A/R	Washer, Lock 0.312
41	8303715	A/R	HHCS, 0.312-18 NC x 1.50"
42	8310009	A/R	HHCS, 0.312-18 NC x 2.00"
43	8750012	A/R	Bolt Stacking
44	8750017	A/R	Plate, Locking

KITS

45	8036377	1	Seal Kit, Hydraulic Hand Pump (For Item 1)
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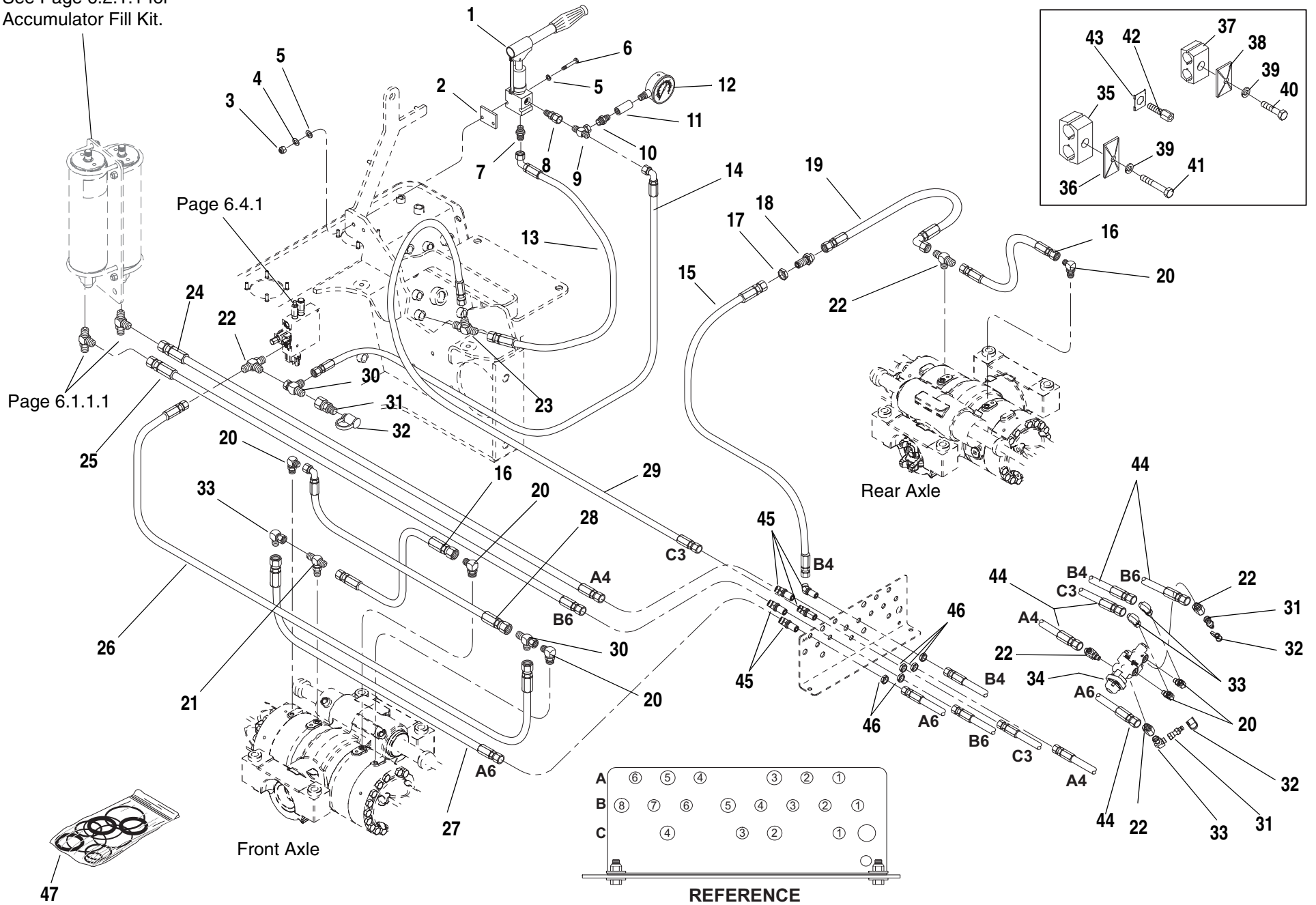
MMV

Tier 1
Tier 2

S/N MV006 – MV200

SERVICE AND PARKING BRAKE HYDRAULIC CIRCUIT 7.3.1

See Page 6.2.1.1 for Accumulator Fill Kit.



A	6	5	4	3	2	1		
B	8	7	6	5	4	3	2	1
C		4		3	2	1		

REFERENCE

Origin
6/03

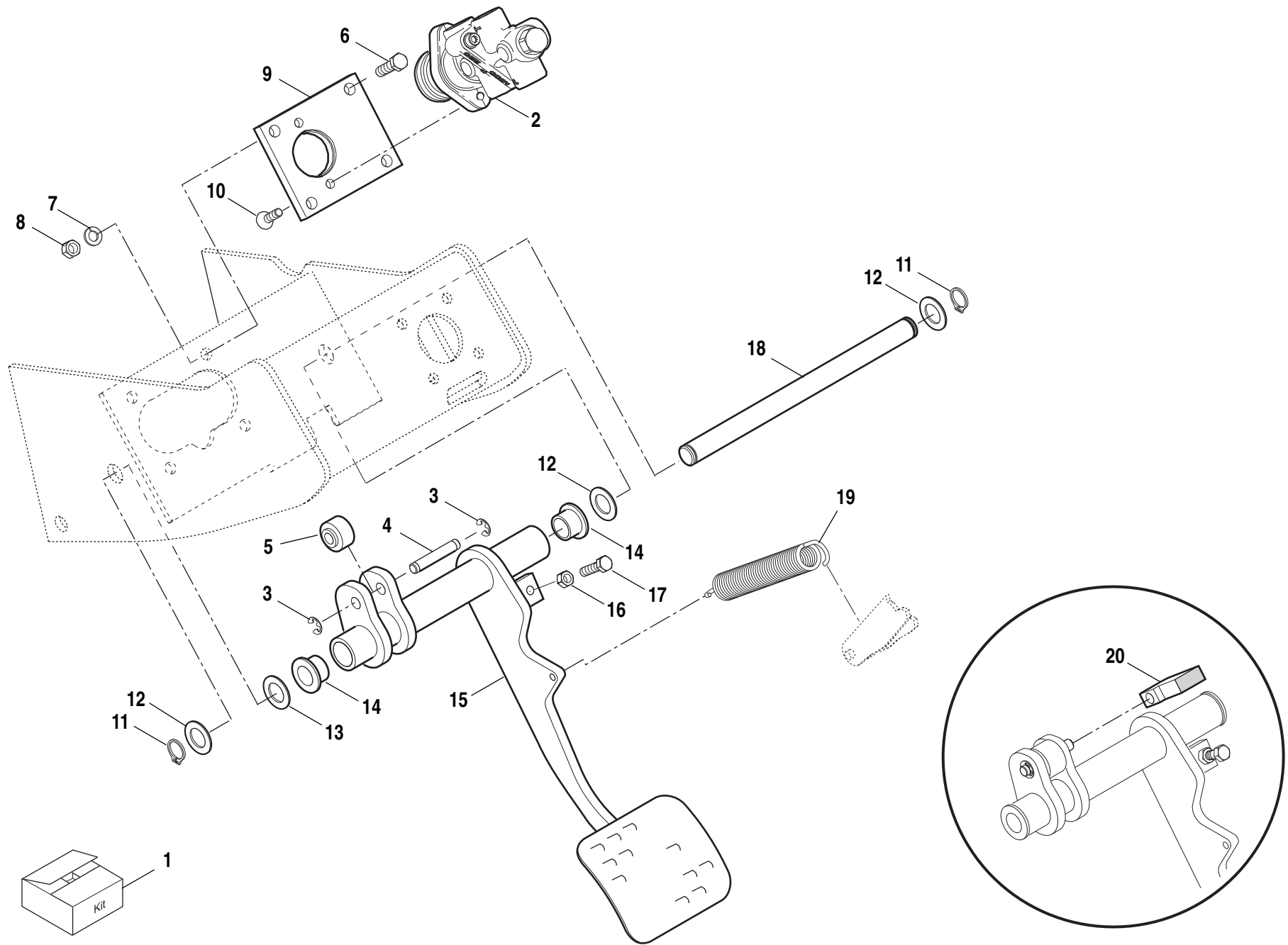
ITEM	PART NO.	QTY.	DESCRIPTION
1	8902282	1	Pump, Hydraulic Hand (Seal Kit Item 46)
2	7139852	1	Plate, Spacer
3	8305004	2	Nut, Hex, 0.25"- 20
4	8307002	2	Washer, Lock, 0.25"
5	8307202	4	Washer, Flat, 0.25"
6	8303728	2	HHCS, 0.25 - 20 x 2.75"
7	8770106	1	Connector, SAE 6 - str. thd. ORB x 6FF
8	8770176	1	Connector, Swivel SAE 6 - str. thd. ORB x 6FF
9	8770207	1	Tee, SW Branch 6FF
10	8770208	1	Connector, Male Pipe #6
11	8541003	1	Coupling, Pipe
12	6623498	1	Gauge, Pressure 1000 PSI
13	2717167	1	Hose, 0.38 x 18.50"
14	2717168	1	Hose, 0.38 x 21.50"
15	2717235	1	Hose, 0.38 x 66.00"
16	2716536	2	Hose, 0.38 x 7.25"
17	8770155	1	Nut, Bulkhead, SAE 6 - OFS
18	8770169	1	Connector, Bulkhead, SAE 6 - OFS
19	2716537	1	Hose, 0.38 x 31.75"
20	8770068	6	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
21	8770112	1	Tee, Branch, SAE 6 - str. thd. ORB x OFS
22	8770066	5	Tee, Male Run, SAE 6 - OFS tube end x str. thd. o-ring
23	8770124	1	Tee, Male Run, SAE 8 - OFS tube end x str. thd. o-ring
24	2717222	1	Hose, 0.38 x 73.00"
25	2717221	1	Hose, 0.38 x 75.00"
26	2716575	1	Hose, 0.38 x 117.50"
27	2717234	1	Hose, 0.38 x 82.00"
28	2716648	1	Hose, 0.38 x 16.50"
29	2717224	1	Hose, 0.38 x 70.00"
30	8770111	2	Tee, Swivel Run, SAE 6 - OFS
31	8430081	3	Nipple, Diagnostic
32	8430032	3	Plug, Dust
33	8770105	4	Elbow, 90° Swivel, SAE 6 - OFS
34	8902316	1	Valve, Brake Modulating
35	8750016	A/R	Clamp Set, 0.84 Dia. Twin
36	8769128	A/R	Plate, Cover, Clamp Set, 0.84 Dia.
37	8750015	A/R	Clamp Set, 0.67 Dia. Twin
38	8769123	A/R	Plate, Cover, Clamp Set, 0.67 Dia.
39	8307004	A/R	Washer, Lock 0.312
40	8303715	A/R	HHCS, 0.312-18 NC x 1.50"
41	8310009	A/R	HHCS, 0.312-18 NC x 2.00"
42	8750012	A/R	Bolt Stacking
43	8750017	A/R	Plate, Locking
44	2717215	5	Hose, 0.38 x 59.00"
45	8770290	5	Elbow, 45°, SAE 6 Bulkhead
46	8770155	5	Nut, Bulkhead, SAE 6 - OFS
47	8036377	1	KITS Seal Kit, Hydraulic Hand Pump (For Item 1)

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MMV

Tier 1
Tier 2

SERVICE AND PARKING BRAKE HYDRAULIC CIRCUIT 7.3.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902298	1	Kit, Brake Valve (Includes Items 2 thru 5)
2	N.S.S.	1	Valve, Brake Modulating (Order Item 1)
3	7300135	2	Clip, Pin
4	7300136	1	Pin, Shaft
5	7300137	1	Bearing, Roller, 1" Dia.
6	8303621	4	HHCS, .375 - 16 NC x 1.5" GR 5
7	8304005	4	Washer, Lock .375"
8	8310522	4	Nut, Hex .375"- 16 NC x
9	7300140	1	Spacer, Brake Valve
10	8310494	2	Screw, .312 - 18 NC 1.25" SFHC GR 8
11	8630020	2	Ring, Retaining, .75" OD Shaft
12	8310508	3	Washer, Shim .755 x .075 x 1.25"
13	8310507	1	Washer, Shim .755 x .048 x 1.25"
14	7300143	2	Bearing, Oilite Bronze Flange
15	7300001	1	Pedal, Brake
16	8310453	1	Nut, Hex .312"- 18 GR 5
17	8303739	1	HHCS, .312 - 18 NC x 1.25" GR 5
18	7139108	1	Shaft, Pivot
19	8700125	1	Spring, Torsion RH 1" OD x 6.78 " LG
20	7300213	1	Block, Adjusting

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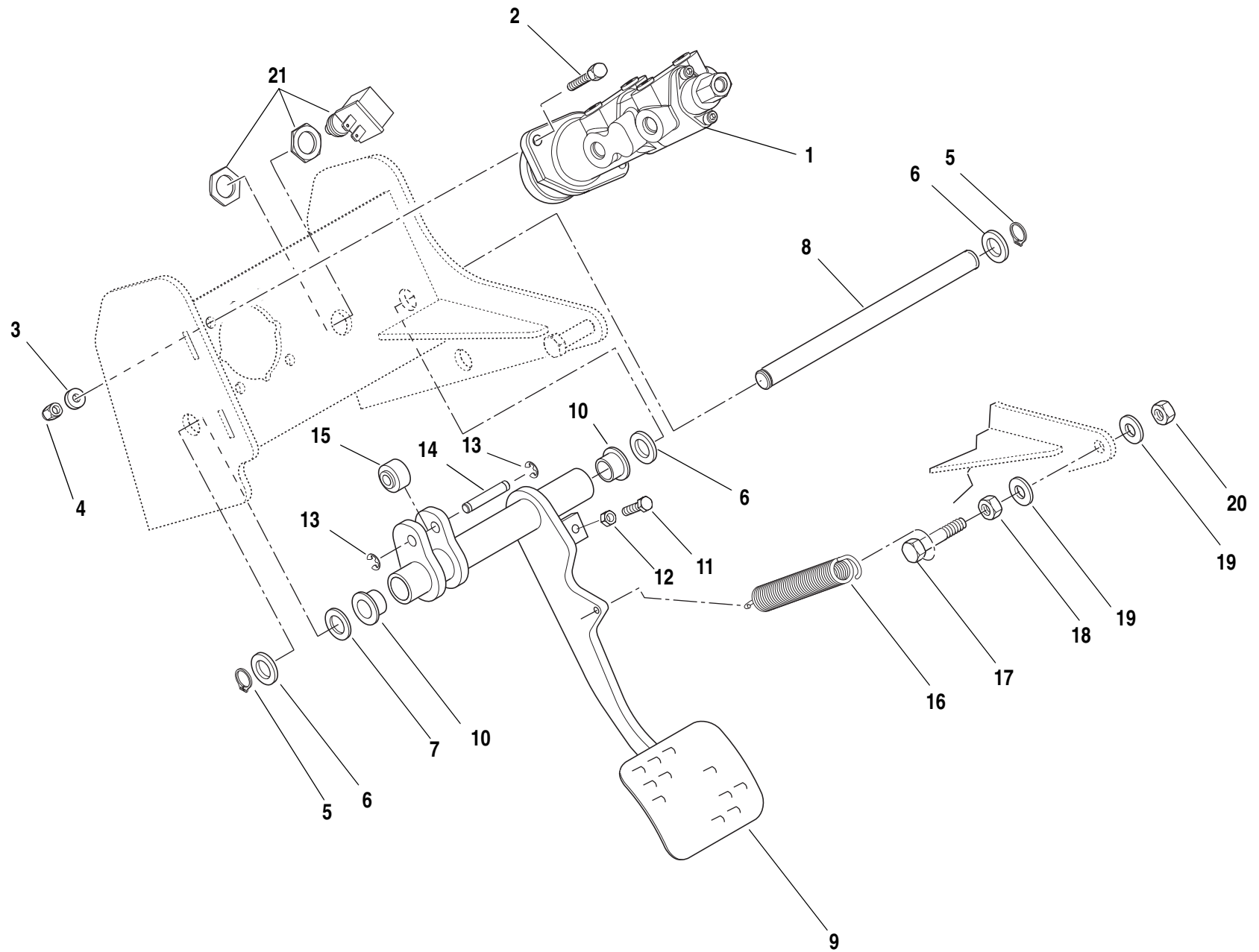
S/N MV006 – MV200

MMV

Tier 1
Tier 2

SERVICE BRAKE VALVE AND PEDAL ASSEMBLIES

7.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902316	1	Valve, Brake
2	8310476	2	HHCS, M8-1,25 x 35mm PC 8.8
3	8307222	2	Washer, Plain M8
4	8305638	2	Nut, Hex Lock M8 x 1,25
5	8630020	2	Snap Ring, .75 Internal Heavy Duty
6	8310508	3	Washer, Shim .755 x .075 x 1.25"
7	8310507	1	Washer, Shim .755 x .048 x 1.25"
8	7139108	1	Shaft, Pivot
9	7301066	1	Assembly, Brake Pedal (Includes Items 10 thru 15)
10	7300143	2	Bushing, Oilite Flange
11	8303739	1	HHCS 5/16-18 x 1 1/4" GR 5
12	8310453	1	Nut, Hex 5/16-18 GR 5
13	7300135	2	Clip, Pin
14	7300136	1	Pin, Shaft
15	7300137	1	Roller, 1" Dia
16	8700125	1	Spring, Extension 1.00" OD x 7.12" LG
17	8303261	1	HHCS, M12-1.75 x 100mm PC 8.8
18	8305044	1	Nut, Hex M12
19	8307220	2	Washer, Plain M12-1.75
20	8310625	1	Nut, Hex Lock Elastic M12-1.75
21	8223238	1	Switch, Stabil-TRAK Light

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SERVICE BRAKE VALVE AND PEDAL ASSEMBLIES

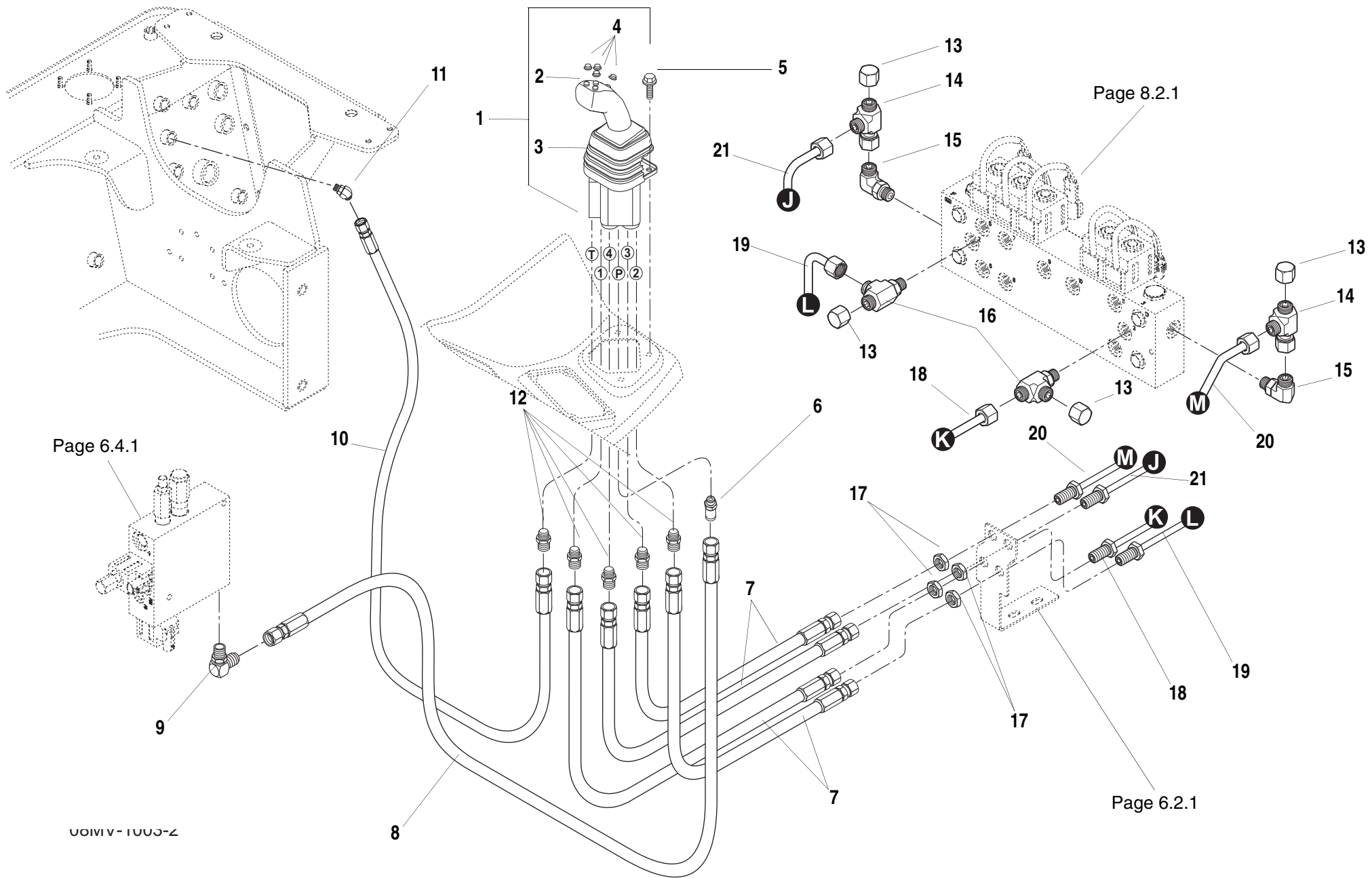
7.4.1.1

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Stabil-Trak Cylinder	8.5.1
Stabil-Trak Cylinder Valves	8.6.1



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Page 8.2.1

08MV-1003-2

Page 6.2.1

ITEM	PART NO.	QTY.	DESCRIPTION
1	8902292	1	Valve, Joystick (Includes Items 2 thru 4)
2	8036549	1	Handle Assembly w/ Switch Button Covers
3	8035777	1	Boot, Rubber
4	8036552	4	Cover, Switch Button
5	8303705	3	Screw, Cap Flange Hd. 1/4-20 x 3/4"
6	8770107	1	Connector, Long, SAE 6 - str. thd. ORB x OFS
7	2715312	4	Hose, 0.38 x 120.50"
8	2716572	1	Hose, 0.38 x 98.13"
9	8770114	1	Elbow, 90°, SAE 8 - str. thd. ORB x OFS
10	2716630	1	Hose, 0.38 x 98.00"
11	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
12	8770106	5	Connector, SAE 6 - str. thd. ORB x OFS
13	8770108	4	Cap, SAE 6 - OFS
14	8770111	2	Tee, Swivel Run, SAE 6 - OFS
15	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
16	8770066	2	Tee, Male Run, SAE 6 - OFS
17	8770155	4	Nut, Bulkhead, SAE 6 - OFS
18	7138773	1	Tube
19	7138775	1	Tube
20	7138774	1	Tube
21	7138776	1	Tube

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Tier 1
Tier 2

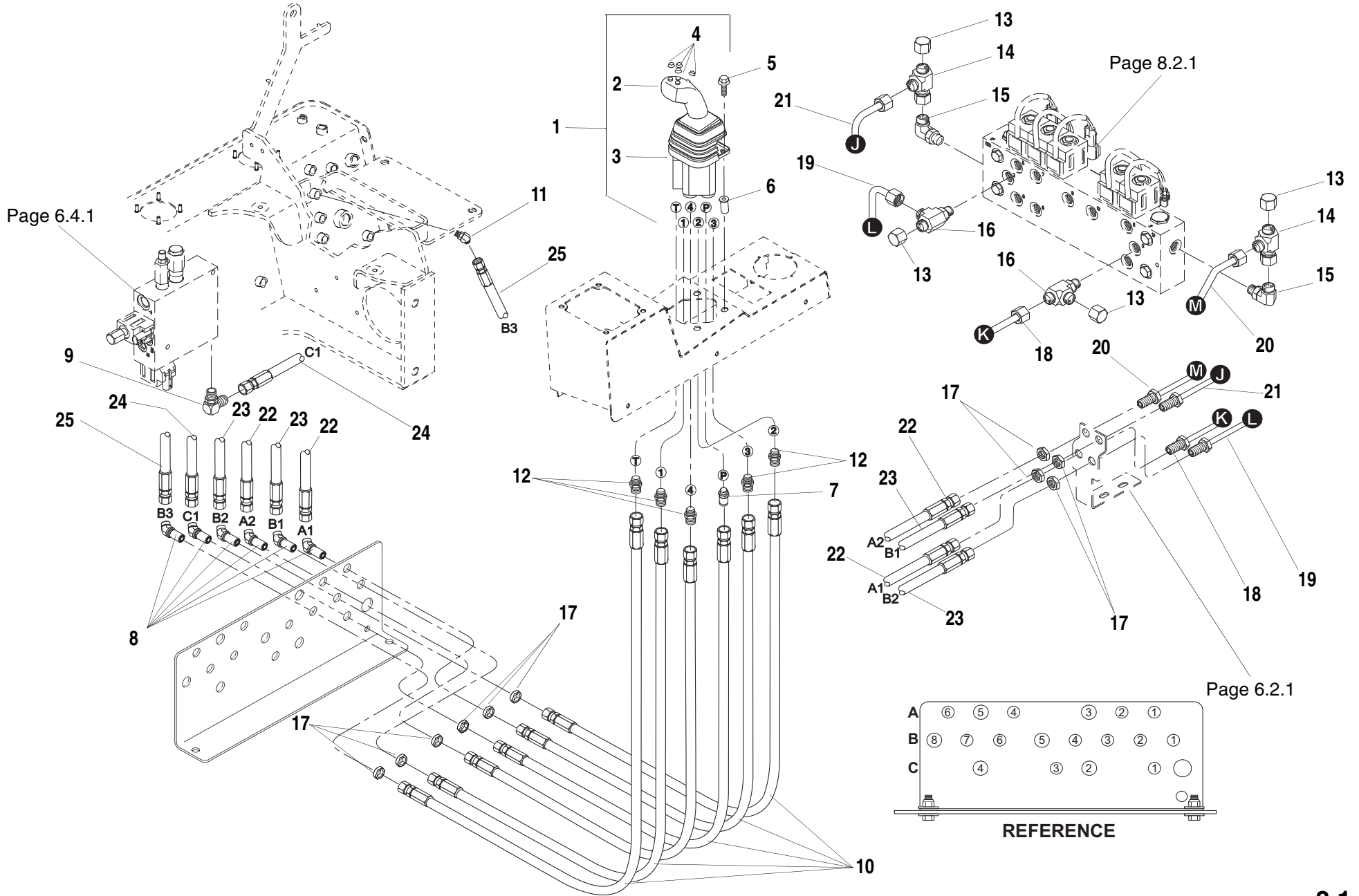
JOYSTICK HYDRAULIC CIRCUIT

8.1.1

Page 6.4.1

Page 8.2.1

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ITEM	PART NO.	QTY.	DESCRIPTION
1	8902292	1	Valve, Joystick (Includes Items 2 thru 4)
2	8036549	1	Handle Assembly w/ Switch Button Covers
3	8035777	1	Boot, Rubber
4	8036552	4	Cover, Switch Button
5	8303118	4	Screw, Cap Flange Hd. 1/4-20 x 1 1/2"
6	8580420	4	Well Nut
7	8770107	1	Connector, Long, SAE 6 - str. thd. ORB x OFS
8	8770290	6	Elbow, 45°, Bulkhead
9	8770114	1	Elbow, 90°, SAE 8 - str. thd. ORB x OFS
10	2717206	6	Hose, 0.38 x 34.00"
11	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
12	8770106	5	Connector, SAE 6 - str. thd. ORB x OFS
13	8770108	4	Cap, SAE 6 - OFS
14	8770111	2	Tee, Swivel Run, SAE 6 - OFS
15	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
16	8770066	2	Tee, Male Run, SAE 6 - OFS
17	8770155	10	Nut, Bulkhead, SAE 6 - OFS
18	7138773	1	Tube
19	7138775	1	Tube
20	7138774	1	Tube
21	7138776	1	Tube
22	2717232	2	Hose, 0.38 x 83.00"
23	2717233	2	Hose, 0.38 x 80.00"
24	2717225	1	Hose, 0.38 x 70.00"
25	2717277	1	Hose, 0.38 x 65.00"

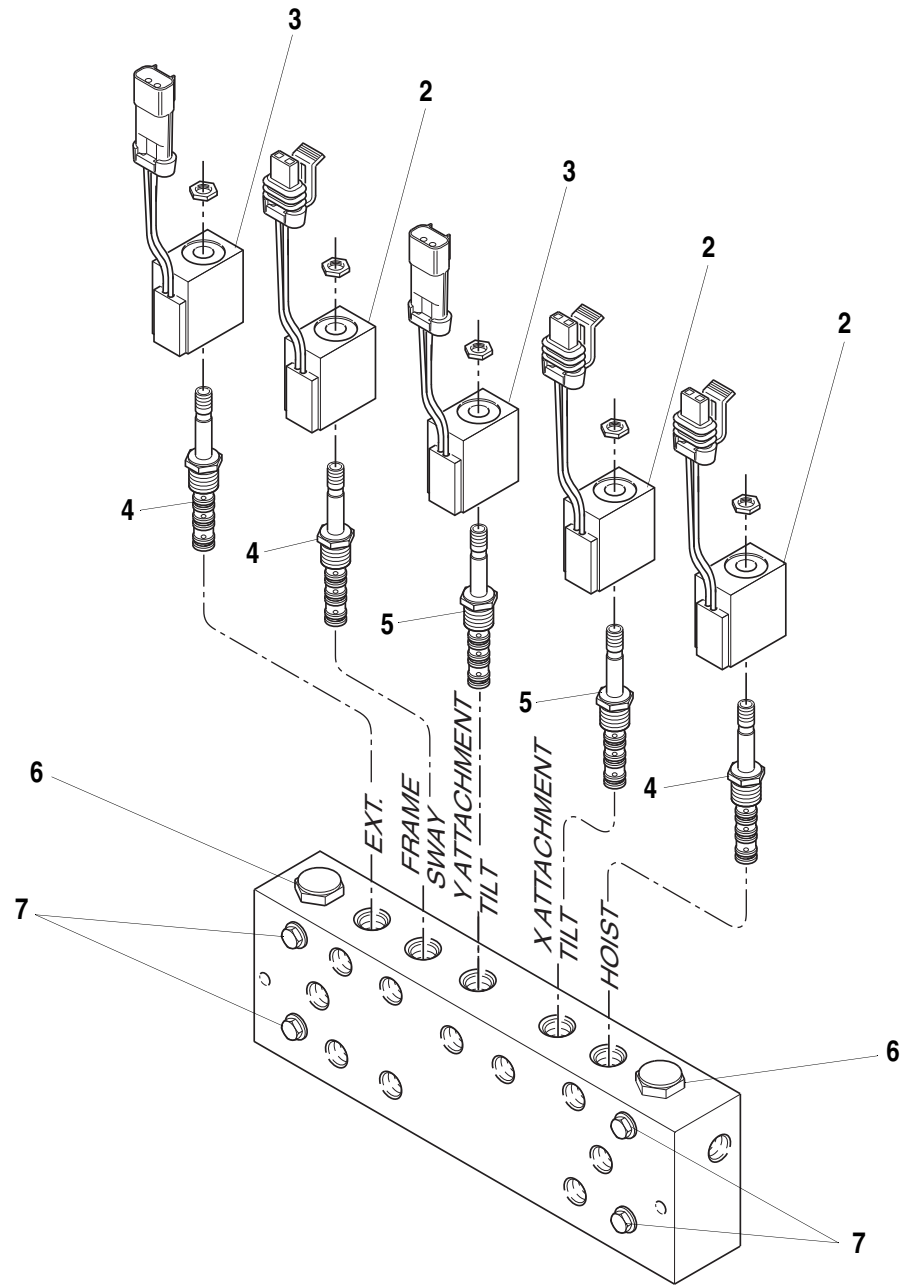
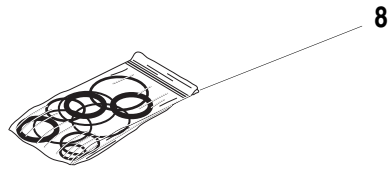
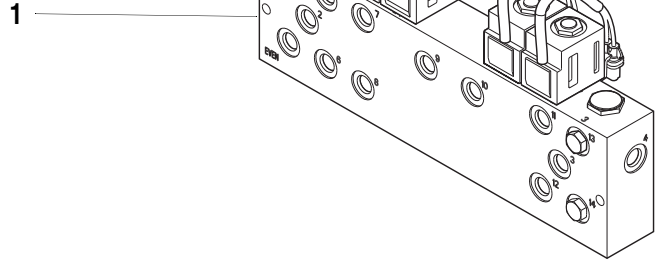
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Tier 1
Tier 2

JOYSTICK HYDRAULIC CIRCUIT

8.1.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902195	1	Pilot Select Manifold Assembly (Includes Items 2 thru 7)
2	8902693	3	Coil, Solenoid w/Female Connector
3	8902694	2	Coil, Solenoid w/Male Connector
4	8902695	3	Cartridge, Solenoid Valve (Seal Kit Item 8)
5	8902700	2	Cartridge, Solenoid Valve (Seal Kit Item 8)
6	8035799	2	Plug, Cavity
7	8760451	4	Plug, Hex Hd., SAE 6 - male str. thd. o-ring
			<u>KITS</u>
8	8036195	5	Seal Kit (For Item 4 & 5)

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Tier 1
Tier 2

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PILOT SELECT MANIFOLD ASSEMBLY

8.2.1

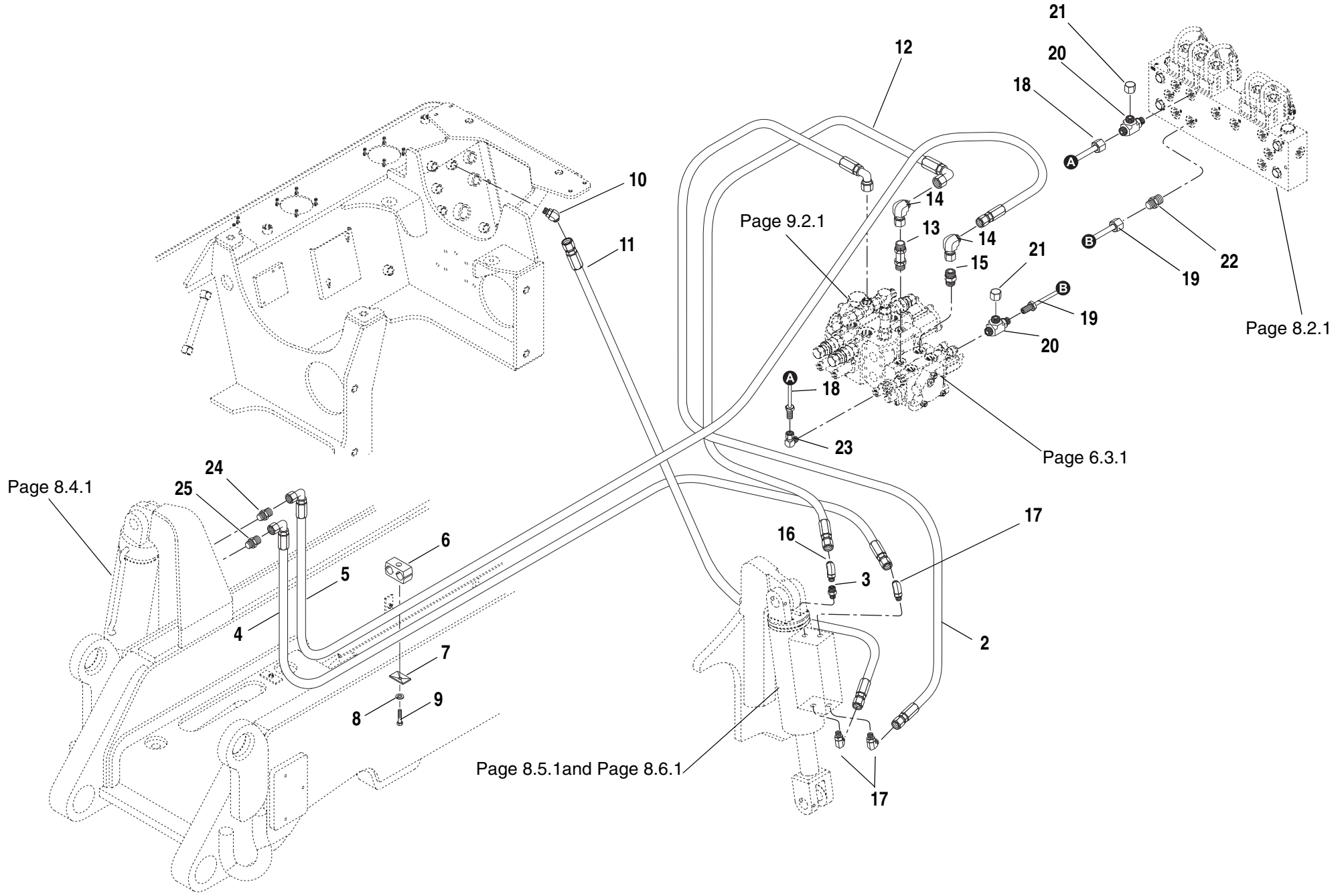
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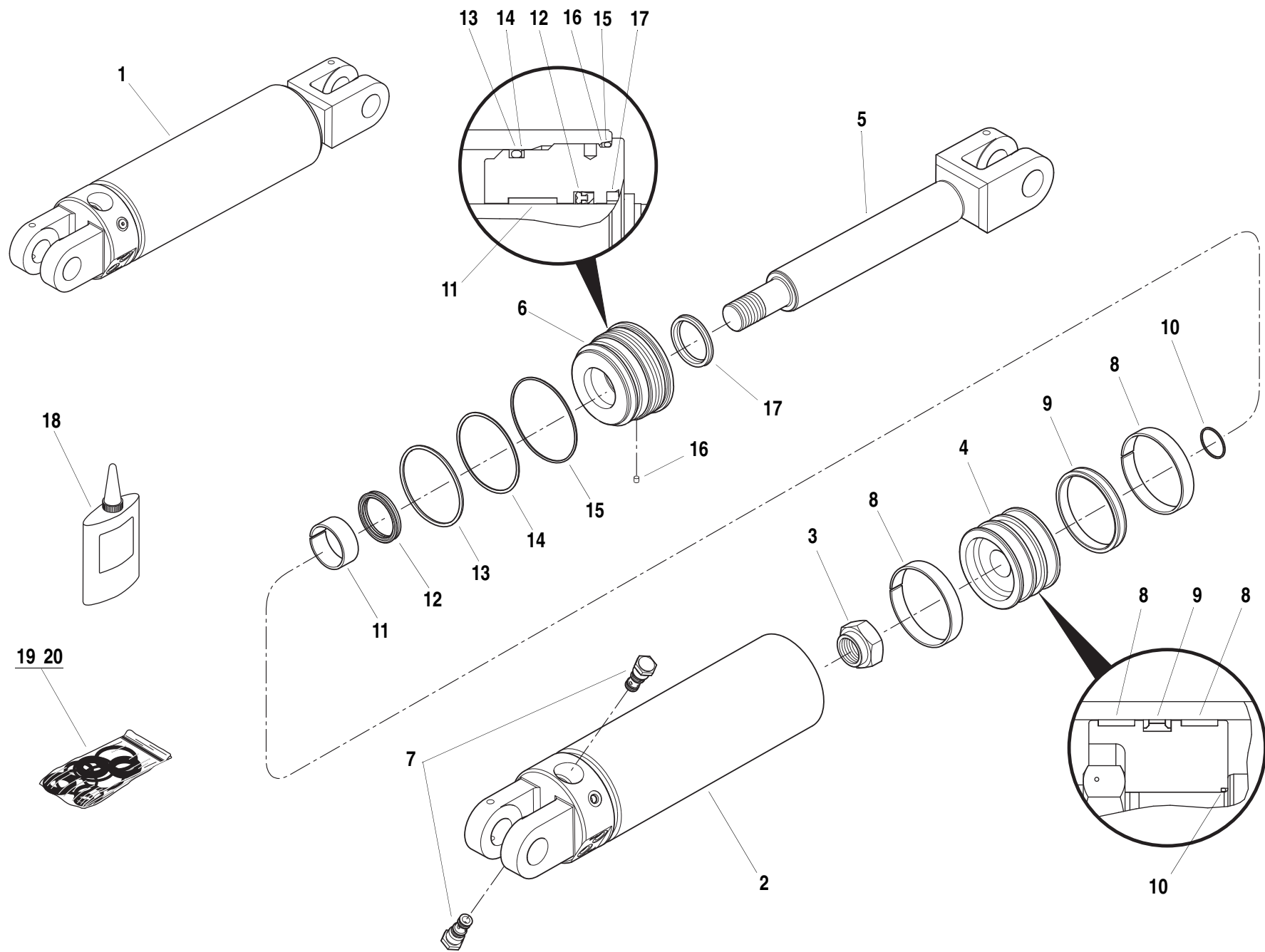
ITEM	PART NO.	QTY.	DESCRIPTION
1	8770124	1	Tee, Male Run, 8ORB x 8FF
2	2716639	1	Hose, 0.38 x 29.88"
3	8770106	1	Connector, SAE 6 - str. thd. ORB x OFS
4	2716636	1	Hose, 0.38 x 202.00"
5	2716637	1	Hose, 0.38 x 198.00"
6	8750015	A/R	Clamp Set, 0.67" Dia.
7	8769123	A/R	Plate, Cover
8	8307004	A/R	Washer, Lock, 3/8"
9	8303715	A/R	HHCS, 5/16"-18 NC x 1-1/2"
10	8770127	1	Elbow, 45°, SAE 8 - str. thd. ORB x OFS
11	2716640	1	Hose, 0.38 x 116.00"
12	2716638	1	Hose, 0.38 x 26.50"
13	8770117	1	Connector, LG -8ORB x 8FF
14	8770115	2	Elbow, 90° Swivel, -8FF
15	8770116	1	Connector, -8ORB x -8FF
16	8770105	1	Elbow, 90° Swivel, -6FF
17	8770068	3	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
18	7138772	1	Tube Assembly (A)
19	7138765	1	Tube Assembly (B)
20	8770066	2	Tee, SW RUN -6ORB x -6FF
21	8770108	2	Cap, SAE 6 - OFS
22	8770106	1	Connector, SAE 6 - str. thd. ORB x 6FF
23	8770140	1	Elbow, 90°, 6ORB x 6FF
24	8902859	1	Connector Special w/Check Valve (Yellow)
25	8902860	1	Connector Special w/Check Valve (Black)

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Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623365	1	Cylinder, Frame Sway (Includes Items 2 thru 17)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8035322	1	Nut, Hex Lock 1.50-12 UNF
4	8035323	1	Piston
5	8035758	1	Rod, Weldment
6	8035324	1	Gland, Head
7	8035757	2	Valve, PO Check Valve - Series 10 (For Seal Kit use Item 20)
8	See Kits	2	Wearband, Precision
9	See Kits	1	T-Seal, Type 730 Capped
10	See Kits	1	O-Ring
11	See Kits	1	Wearband, Precision
12	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
13	See Kits	1	O-Ring
14	See Kits	1	Ring, Back-Up
15	See Kits	1	O-Ring
16	See Kits	1	Locking Insert
17	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
18	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
			<u>KITS</u>
19	8035326	1	Seal Kit (Includes Items 8 thru 17)
20	8036739	1	Seal Kit (For Item 7)

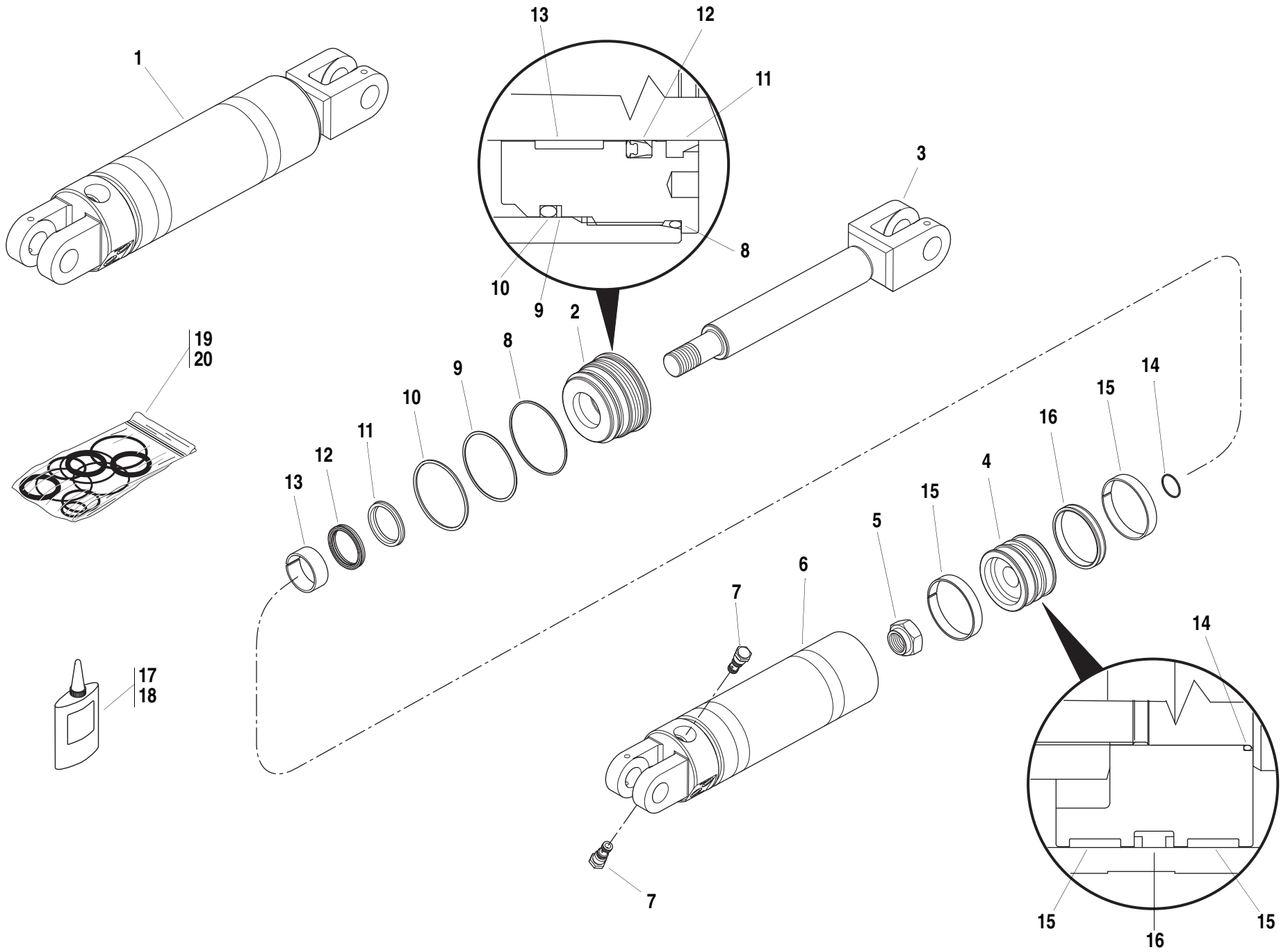
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MMV

Tier 1
Tier 2

FRAME SWAY CYLINDER

8.4.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623867	1	Cylinder, Frame Sway (Includes Items 2 thru 16)
2	8036771	1	Gland, Head
3	8036770	1	Rod, Weldment
4	8036772	1	Piston
5	8036769	1	Nut
6	N.S.S.	1	Tube, Weldment (Serviced Only in Item 1)
7	8035757	2	Valve, PO Check - Series 10 (For Service See Item 20)
8	See Kits	1	O-Ring
9	See Kits	1	Ring, Back-Up
10	See Kits	1	O-Ring
11	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
12	See Kits	1	Z-Seal, Deep w/Rod Back-Up
13	See Kits	1	Wearband, Precision
14	See Kits	1	O-Ring
15	See Kits	2	Wearband, Precision
16	See Kits	1	T-Seal, Type 730 Capped
17	8526007	A/R	Threadlock, Loctite #242 Removable Grade - 8.45 fl. oz.
18	8526011	A/R	Threadlock, Loctite #271 High Strength - 8.45 fl. oz.
			<u>KITS</u>
19	8035326	1	Seal Kit, Frame Sway Cylinder (Includes Items 8 thru 16)
20	8035327	1	Seal Kit, PO Check Valve (For Item 7)

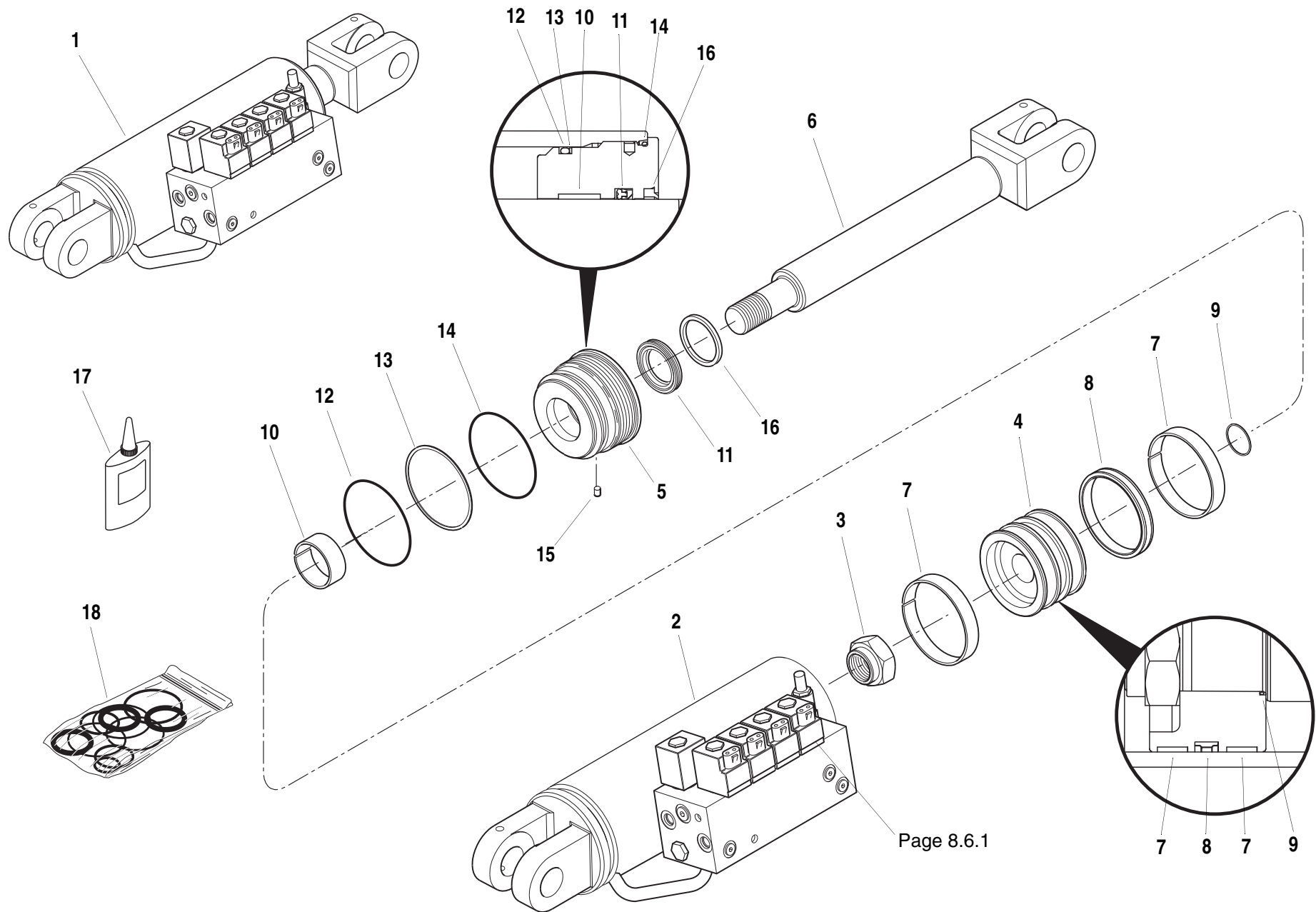
S/N MV201 -

MMV

Tier 1
Tier 2

FRAME SWAY CYLINDER

8.4.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623367	1	Cylinder, Stabil-Trak (Includes Items 2 thru 16 and Items 1 thru 12 on page 8.6.1)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8035322	1	Nut, Lock 1.50-12 UNF
4	8035323	1	Piston
5	8035324	1	Gland, Head
6	8035783	1	Rod, Weldment
7	See Kits	2	Wearband, Precision
8	See Kits	1	T-Seal, Type 730 Capped
9	See Kits	1	O-Ring
10	See Kits	1	Wearband, Precision
11	See Kits	1	Z-Seal, Deep - w/Rod Back-Up
12	See Kits	1	O-Ring
13	See Kits	1	Ring, Back-Up
14	See Kits	1	O-Ring
15	See Kits	1	Locking Insert
16	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
17	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250ml Bottle
18	8035326	1	<u>KITS</u> Seal Kit, Stabil-Trak Cylinder (Includes Items 7 thru 16)

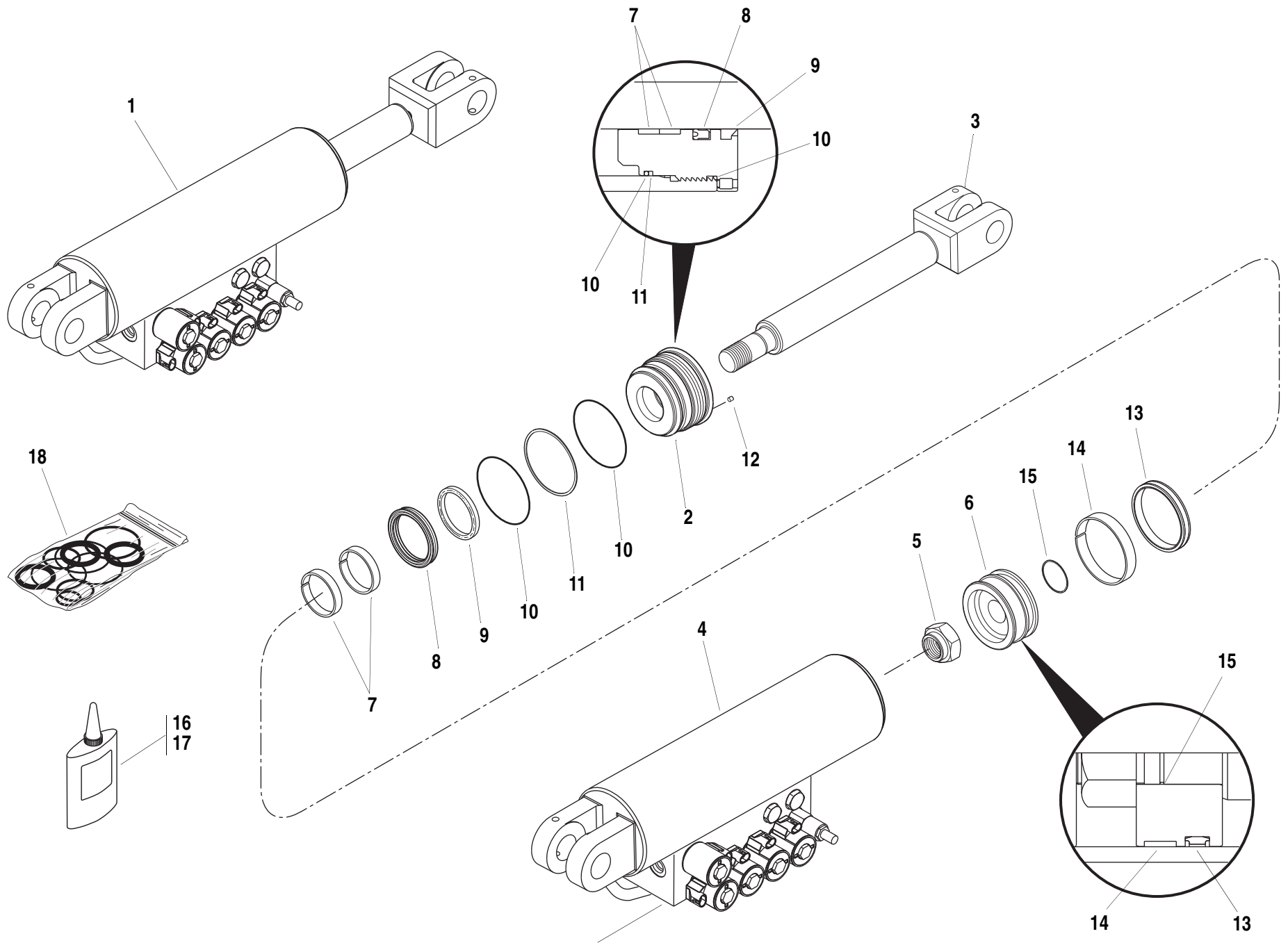
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MMV

Tier 1
Tier 2

STABIL-TRAK CYLINDER

8.5.1



See Page 8.6.1.1, Stabil-Trak Cylinder Valves

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623850	1	Cylinder, Stabil-TRAK (Includes Items 2 thru 15)
2	8036828	1	Gland, Head
3	8036827	1	Rod, Weldment
4	N.S.S.	1	Tube, Weldment (Serviced Only in Item 1)
5	8036825	1	Nut, Lock, 1-1/2-12 GR C
6	8036826	1	Piston
7	See Kits	2	Wearband, Precision
8	See Kits	1	Z-Seal
9	See Kits	1	Ring, Wiper
10	See Kits	2	O-Ring
11	See Kits	1	Ring, Back-Up
12	8036811	1	Screw, Set, 1/4-20 UNC x 3/8"
13	See Kits	1	T-Seal, Capped Piston
14	See Kits	1	Wearband, Precision
15	See Kits	1	O-Ring
16	8526011	A/R	Threadlock, Loctite #271 High Strength - 8.45 fl. oz.
17	8526007	A/R	Threadlock, Loctite #242 Removable Grade - 8.45 fl. oz.
			<u>KITS</u>
18	8036747	1	Seal Kit, Stabil-TRAK Cylinder (Includes Items 7 thru 15)

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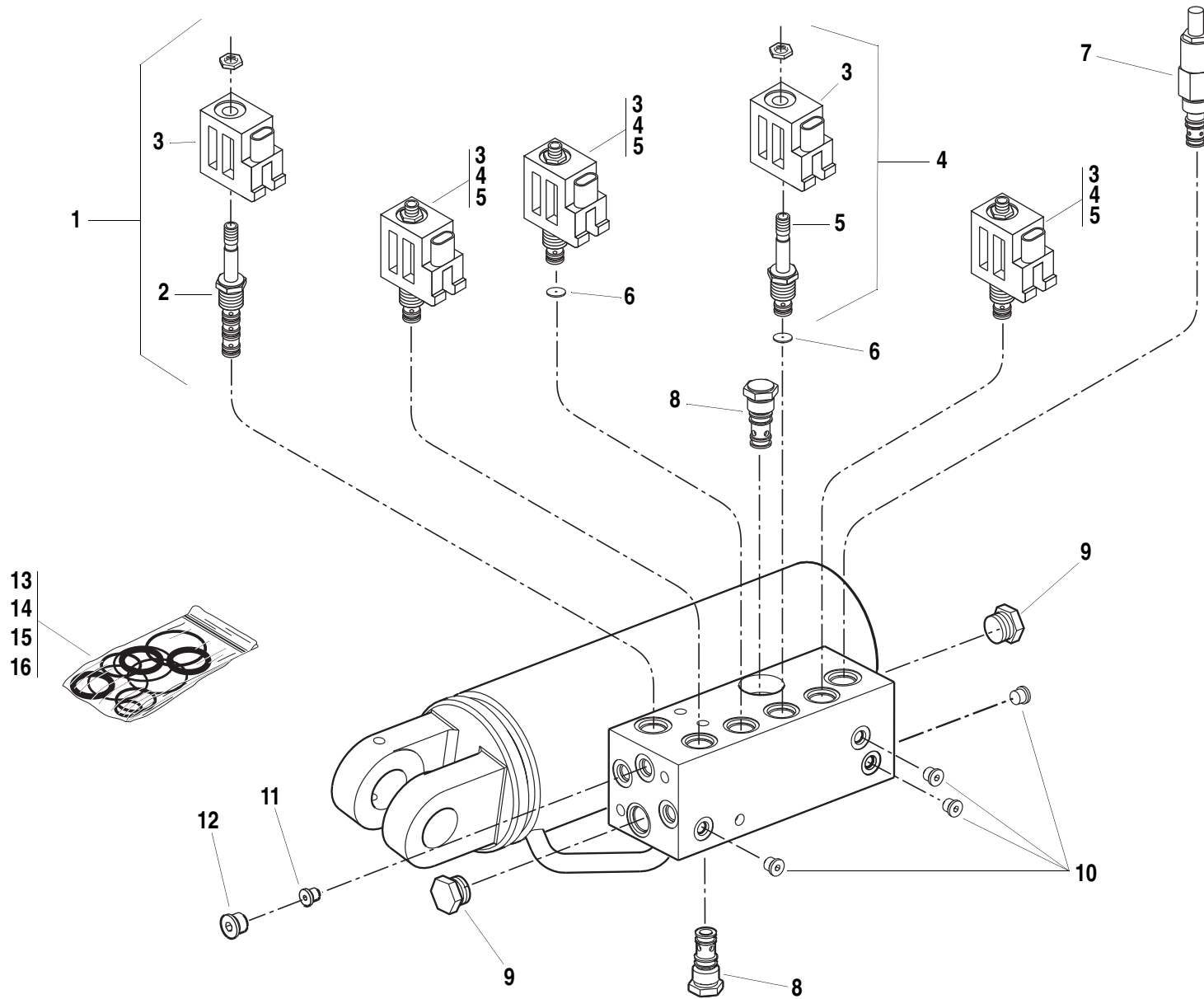
MMV

Tier 1
Tier 2

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STABIL-TRAK CYLINDER

8.5.1.1



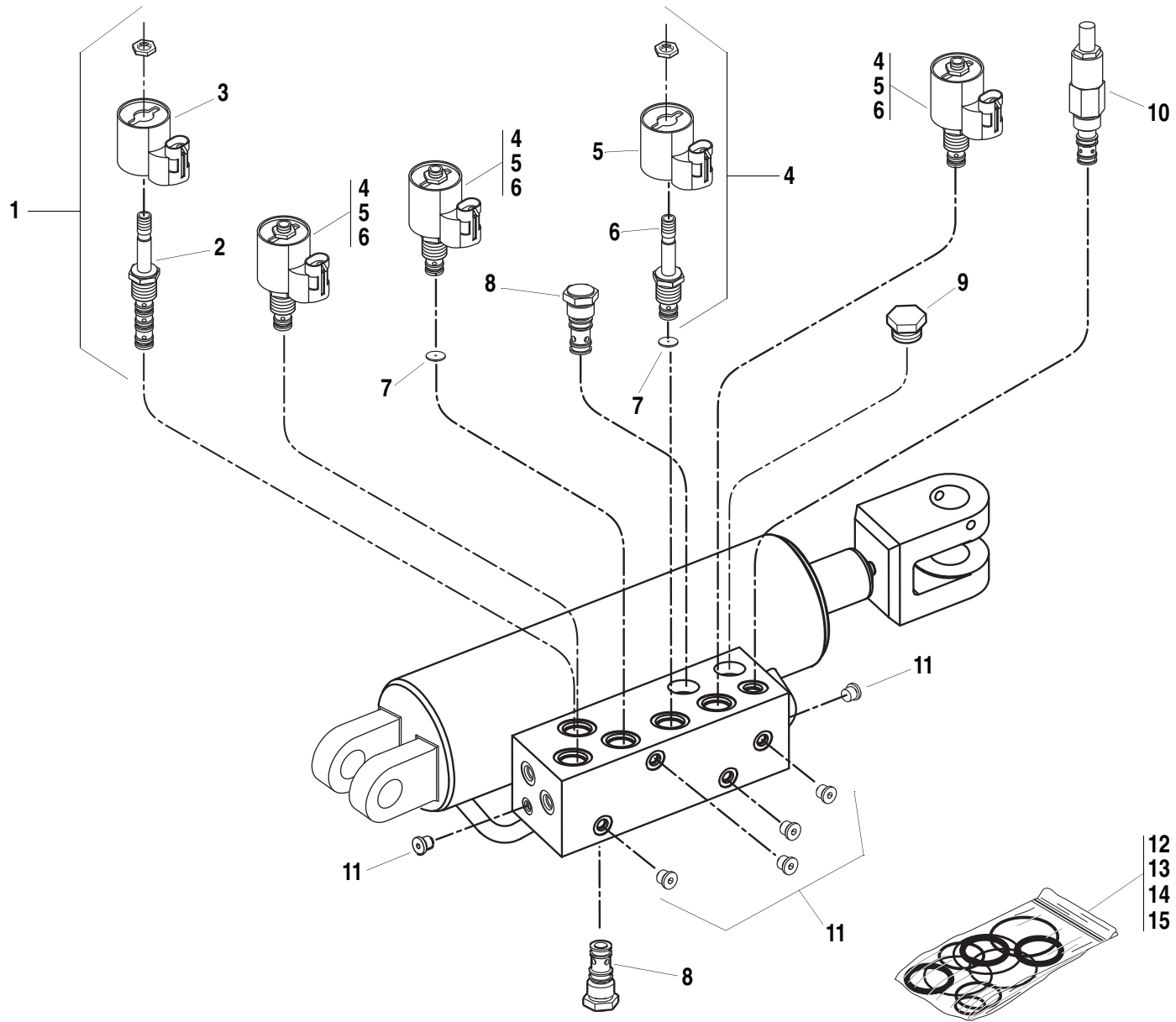
ITEM	PART NO.	QTY.	DESCRIPTION
1	8036020	1	Solenoid Valve Assembly - 4 Way, 12V (Includes Items 2 and 3) (For Seal Kit, Order Item 16)
2	8036290	1	Cartridge, Solenoid Valve
3	8036288	5	Coil, Solenoid
4	8036019	4	Solenoid Valve Assembly - 2 Way, NC, 12V (Includes Items 3 and 5) (For Seal Kit, Order Item 13)
5	8036289	4	Cartridge, Solenoid Valve
6	8035781	2	Disk, Conical Orifice .060" Dia.
7	8035282	1	Valve, Pressure Reducing (100) (For Seal Kit, Order Item 14)
8	8035281	2	Valve, PO Check - Series 10 (For Seal Kit, Order Item 15)
9	8760420	2	Plug, Hex Hd., SAE 10-male str. thd. o-ring
10	8035785	4	Plug, Hex - SAE #4 Steel Hol.
11	8035782	1	Plug, Orifice .030" Dia.
12	8035784	1	Plug, Hex - SAE #6 Steel Hol.
			<u>KITS</u>
13	8034037	1	Seal Kit, Solenoid Valve Assembly (For Item 4)
14	8032994	1	Seal Kit, Pressure Reducing Valve (For Item 7)
15	8036192	1	Seal Kit, PO Check Valve (For Item 8)
16	8036195	1	Seal Kit, Solenoid Valve Assembly (For Item 1)

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Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8036831	1	Solenoid, Valve Assembly, 4 Way, 12V (Includes Items 2 and 3) (To Service Seals, Order Item 15)
2	8036580	1	Cartridge, Solenoid Valve
3	8036579	1	Coil, Solenoid
4	8036832	4	Solenoid, Valve Assembly, 2 Way, NC, 12V (Includes Items 5 and 6) (To Service Seals, Order Item 14)
5	8036581	4	Cartridge, Solenoid Valve
6	8036579	4	Coil, Solenoid
7	8035781	2	Disk, Conical Orifice 0.60" Dia.
8	8035757	2	Valve, PO Check - Series 10 (To Service Seals, Order Item 13)
9	8036582	1	Valve, Check Relief 200 PSI (13 bar) (To Service Seals, Order Item 14)
10	8035282	1	Valve, Pressure Reducing 100 PSI (7 bar) (To Service Seals, Order Item 12)
11	8035785	6	Plug, Hex - SAE #4 Steel Hol.
			<u>KITS</u>
12	8032994	1	Seal Kit, Pressure Reducing Valve (For Item 10)
13	8036739	1	Seal Kit, PO Check Valve (For Item 8)
14	7017496	1	Seal Kit, Solenoid - 2 Way (For Item 4 or 9)
15	8036740	1	Seal Kit, Solenoid - 4 Way (For Item 1)

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Tier 1
Tier 2

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STABIL-TRAK CYLINDER VALVES

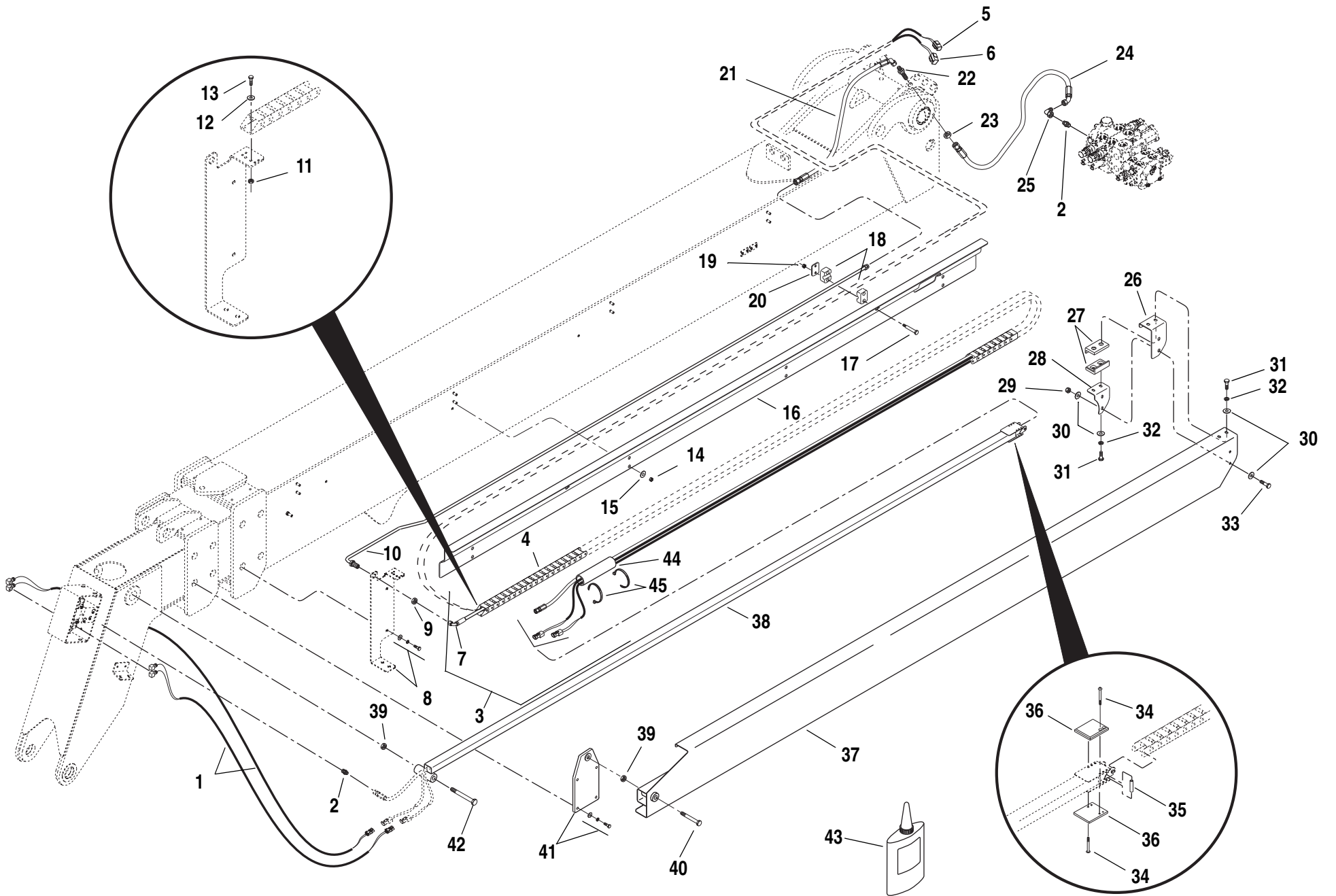
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Apply Item 43 to All Wear Pad
Mounting Capscrews Item 34

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623556	2	Harness-Front, Boom
2	8770106	2	Connector, -6ORB x -6FF
3	6623538	1	Track-Hose-Cable Assembly (Includes Items 4 thru 7)
4	6623435	1	Track, Hose Carrier Power
5	6623470	1	Harness, Left Fork Boom
6	6623469	1	Harness, Right Fork Boom
7	2716837	1	Hose, Special
8	6623430	1	Bracket, Hose Track (See Page 4.1.1 for Mounting Hardware)
9	8770129	1	Nut, Bulkhead Lock -8FF
10	6623413	1	Tube Assembly, Fork Shift Valve Sense
11	8305401	2	Nut, Hex Jam 1/4"-20 NC
12	8307109	2	Washer, Plain 1/4"
13	8310548	2	Screw, Button Head Cap 1/4 NC x 1/2"
14	8305654	8	Nut, Hex Loc, M8 x 1.25
15	8307204	8	Washer, Plain 3/8"
16	6623433	1	Guide, Hose Track
17	8310576	4	Bolt, Carriage, 1/4-20 NC x 2.00"
18	8750030	2	Clamp Set,
19	8305624	4	Nut, Hex Loc, 1/4"-20 NC
20	8769146	2	Cover Plate, Single
21	2716843	1	Hose, 0.38 x 57.0"
22	8770169	1	Connector, 6FF
23	8760454	1	Nut, Bulkhead Lock #6
24	2716844	1	Hose, 0.38 x 55.0"
25	8770105	1	Elbow, 90°-6FF
26	6623436	1	Bracket, Housing Support
27	6623438	2	Pad, Housing Wear
28	6623437	1	Retainer, Housing
29	8305645	2	Nut, Hex Lock 3/8"-16 NC
30	8307110	10	Washer, 3/8"
31	8303681	4	HHCS, 3/8-16 NC x 3/4"
32	8307005	4	Washer, 3/8" Lock
33	8303620	2	Screw, 3/8-16 NC x 1.00"
34	8310573	4	Screw, Button Head Cap #10-32 x 3/4"
35	6623482	2	Spacer, Tube

ITEM	PART NO.	QTY.	DESCRIPTION
36	6623434	2	Pad, Tube Wear
37	6623429	1	Housing, Hose Track
38	6623432	1	Tube, Hose Support
39	8305413	2	Nut, Hex Jam 3/4"-10 NC
40	8303731	1	HHCS, 3/4-10 NC x 5-1/2"
41	6623431	1	Bracket, Housing Support (See Page 4.2.1 for Mounting Hardware)
42	8310322	1	HHCS, 3/4-10 NC x 6-1/2"
43	8526007	A/R	Threadlocker, 242 Loctite, Removable, 250 ml Bottle
44	5746491	1	Sleeve, Nylon
45	8584003	2	Tie Wrap, Plastic

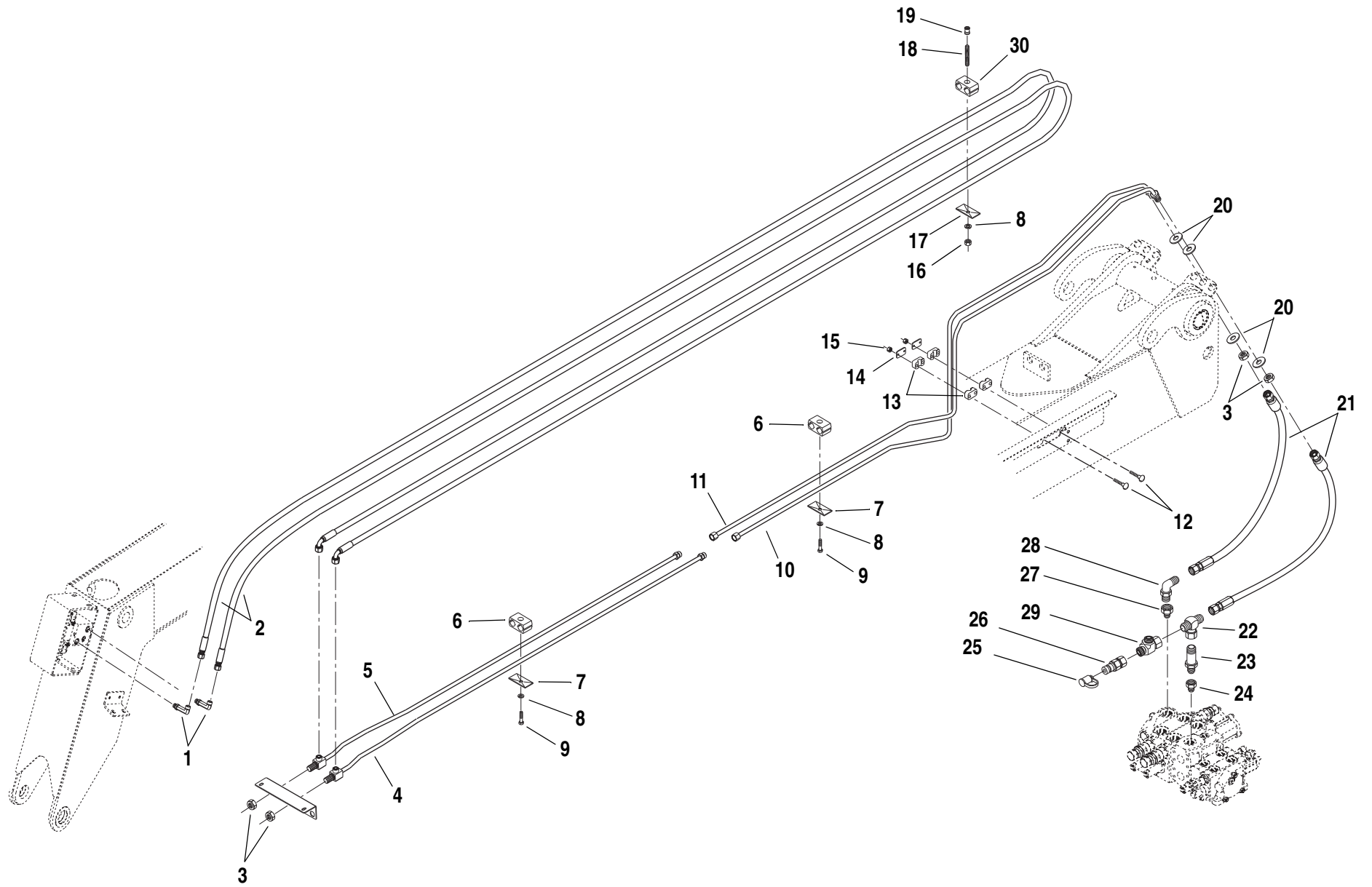
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Tier 1
Tier 2

EXTERIOR HOSE CARRIER ASSEMBLY WITH HYDRAULICS 9.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8770168	2	Elbow, 90° Long, 8ORB x 8FF
2	2716825	2	Hose, 0.50 x 410.00"
3	8770075	4	Nut, Bulkhead -10FF
4	6623518	1	Tube Assembly, Boom Outside Left
5	6623519	1	Tube Assembly, Boom Inside Left
6	8769122	2	Clamp Set, .625 Dia. Twin
7	8769123	2	Cover Plate, Twin
8	8307004	3	Washer, 5/16" Lock
9	8303715	2	HHCS, 5/16-18NC x 1-1/2"
10	6623527	1	Tube Assembly, Outer
11	6623528	1	Tube Assembly, Inner
12	8310094	4	Bolt, Carriage 5/16-18NC x 2-1/4"
13	8750003	2	Clamp Set, .625 Dia. Single
14	8769149	2	Cover Plate, Single
15	8305626	4	Nut, Hex Lock, 5/16-18NC
16	8310453	1	Nut, Hex, 5/16-18NC
17	8769128	1	Cover Plate, Twin
18	10168743	1	Screw, Set, 5/16-18 x 2-1/2"
19	8310568	1	Nutsert
20	5724302	4	Shim
21	2716842	2	Hose, 0.50 x 49.0"
22	8770211	1	Tee, 10FF
23	8770117	1	Connector, Long -8ORB x 8FF
24	8770186	1	Reducer/Expander, #10-8
25	8430032	1	Plug, Dust
26	8430082	1	Pressure Tap -8
27	8760545	1	Reducer/Expander, #16-8
28	8770114	1	Elbow, 90° -8ORB x -8FF
29	8770125	1	Tee, Swivel Run, SAE 8 - o-ring face seal
30	8750016	1	Clamp Set, .79 Dia. Twin

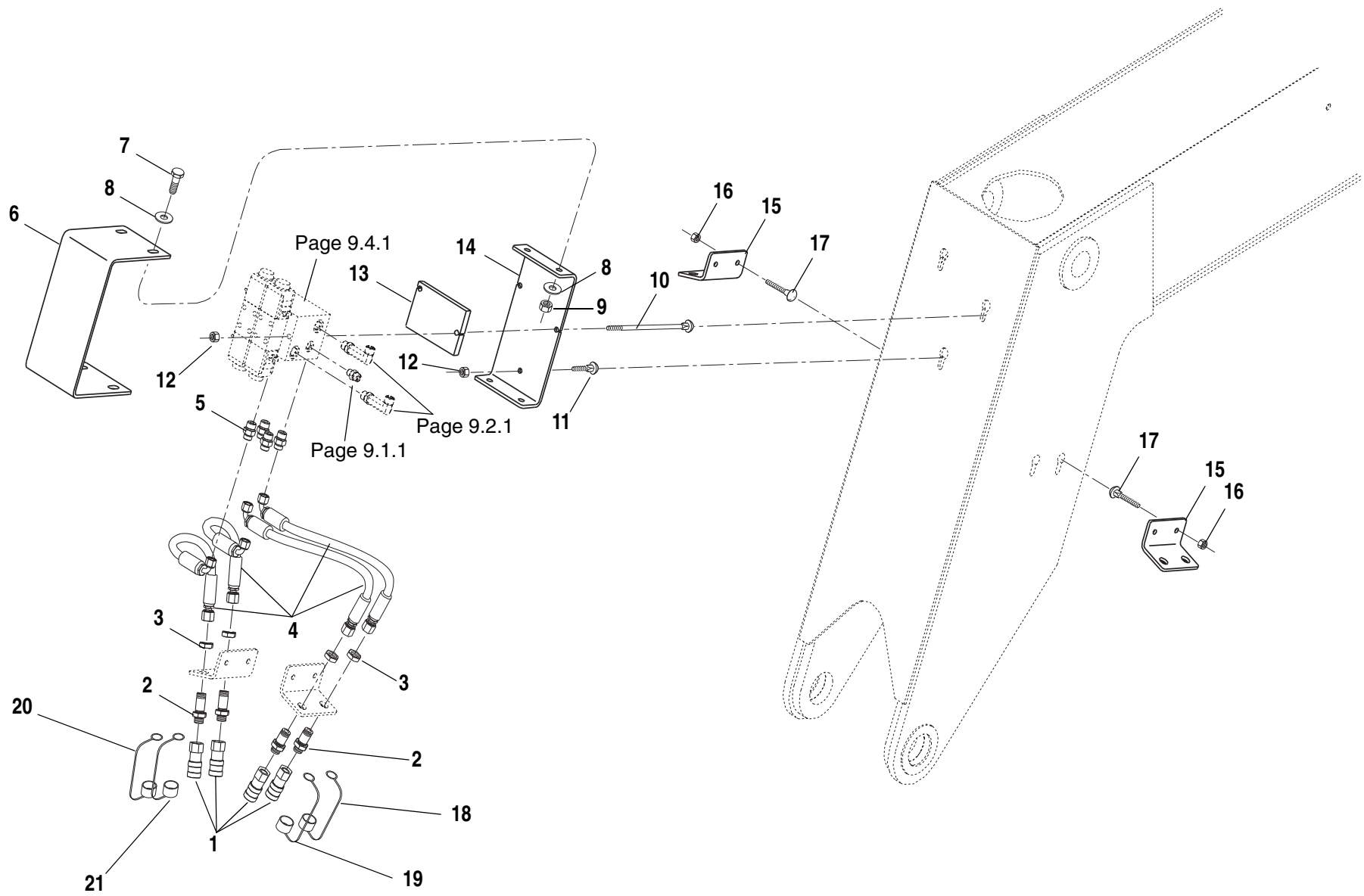
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Tier 1
Tier 2

HYDRAULIC TUBES AND INTERIOR HOSES

9.2.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8430083	4	Coupler, Quick Disconnect
2	8770136	4	Connector, Bulkhead, -8 ORB x -8FF
3	8770129	4	Nut, Bulkhead, -8FF
4	2716826	4	Hose, 0.38 x 20.00"
5	8770069	4	Connector, -6 ORB x -8FF
6	6623385	1	Cover, Fork Shift Valve
7	8303626	4	HHCS, 1/2"-13 x 1-1/2"
8	8307112	8	Washer, Plain, 1/2"
9	8305644	4	Nut, Hex Lock Elastic 1/2"-13
10	8310566	2	Bolt, Carriage, 3/8"-16 x 10.00"
11	8304006	1	Bolt, Carriage, 3/8"-16 x 1.00"
12	8305645	3	Nut, Hex Lock Elastic, 3/8"-16
13	6623384	1	Spacer, Fork Shift Valve
14	6623406	1	Bracket, Cover Mount
15	6623391	2	Bracket, Quick Disconnect Bulkhead
16	8305008	4	Nut, Hex 3/8"-16
17	8310335	4	Bolt, Carriage, 3/8"-16 x 1.50"
18	8430051	1	Cap, Dust, Red #6 for Female
19	8430053	1	Cap, Dust, Black #6 for Female
20	8430055	1	Cap, Dust, Green #6 for Female
21	8430057	1	Cap, Dust, Yellow #6 for Female

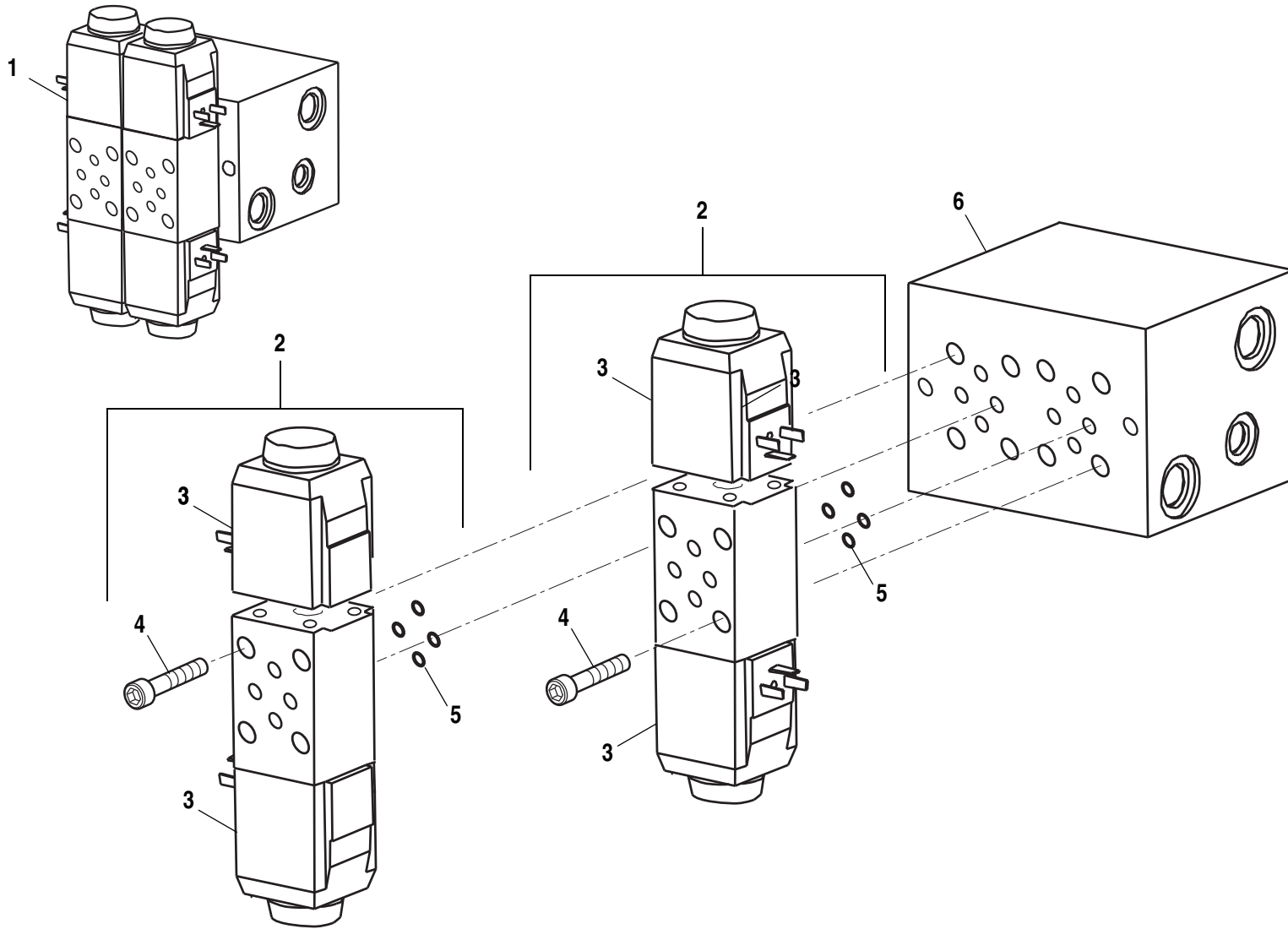
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Tier 1
Tier 2

FORK SIDESHIFT VALVE MOUNTING WITH HOSES

9.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8902281	1	Valve, Fork Sideshift (Includes Items 2 thru 6)
2	8902288	2	Valve, Solenoid (Includes Items 3 thru 5)
3	8036383	2	Coil, Solenoid
4	8310488	4	SHCS #10-24 UNC x 1.25"
5	8640017	4	O-Ring
6	8036382	1	Manifold

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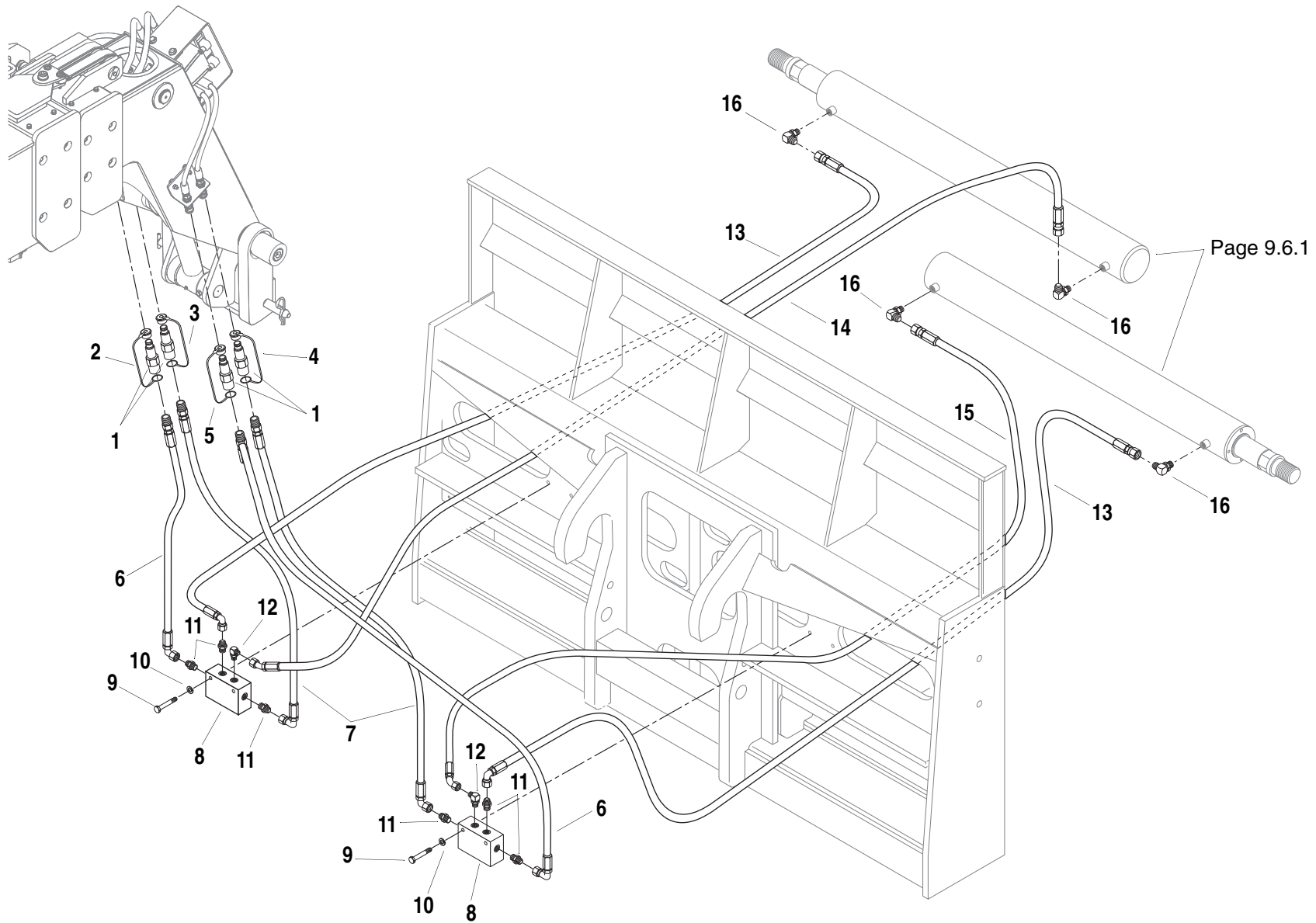
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FORK SIDESHIFT VALVE

9.4.1



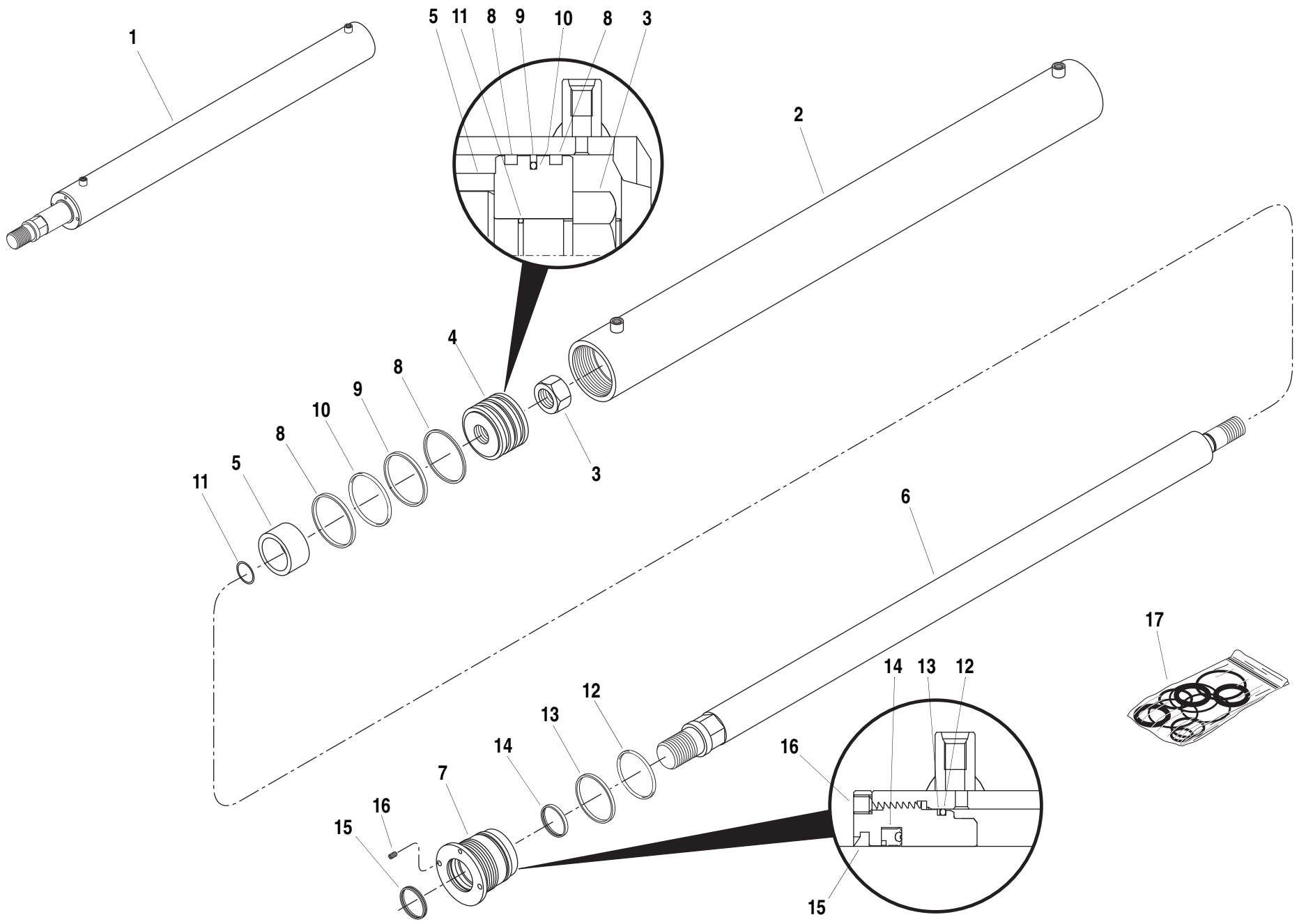
ITEM	PART NO.	QTY.	DESCRIPTION
1	8430084	4	Nipple, Quick Disconnect
2	8430052	1	Cap, Dust, Red #6 for Male
3	8430054	1	Cap, Dust, Black #6 for Male
4	8430056	1	Cap, Dust, Green #6 for Male
5	8430058	1	Cap, Dust, Yellow #6 for Male
6	2716809	2	Hose, 0.38 x 28.00"
7	2716817	2	Hose, 0.38 x 24.00"
8	8902283	2	Valve, Double PO Check
9	8303786	4	HHCS, 5/16-18 x 2-1/4"
10	8307004	4	Washer, Lock 5/16"
11	8770106	6	Connector, SAE 6 - str. thd. ORB x OFS
12	8770068	2	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
13	2716818	2	Hose, 0.38 x 16.00"
14	2716819	1	Hose, 0.38 x 25.00"
15	2716820	1	Hose, 0.38 x 19.00"
16	8770102	4	Elbow, 90°, SAE 6-4 - str. thd. ORB x OFS

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ITEM	PART NO.	QTY.	DESCRIPTION
1	6623295	1	Cylinder, 7K Fork Sideshift (Includes Items 2 thru 16)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8036366	1	Nut, Hex Lock 1-14
4	8036367	1	Piston
5	8036368	1	Tube, Rod Spacer
6	8036369	1	Rod, Weldment
7	8036370	1	Guide
8	See Kits	2	Wear Ring
9	See Kits	1	Piston Seal
10	See Kits	1	O-ring
11	See Kits	1	O-ring
12	See Kits	1	O-ring
13	See Kits	1	Ring, Back-up
14	See Kits	1	Seal, U-cup
15	See Kits	1	Wiper, Hd. Rod - Sealed O.D.
16	See Kits	1	Set Screw 1/4-20 x 3/8" Cup Point
17	70022689	1	<u>KIT</u> Seal Kit, 7K Fork Sideshift Cylinder (Includes items 8 Thru 16)

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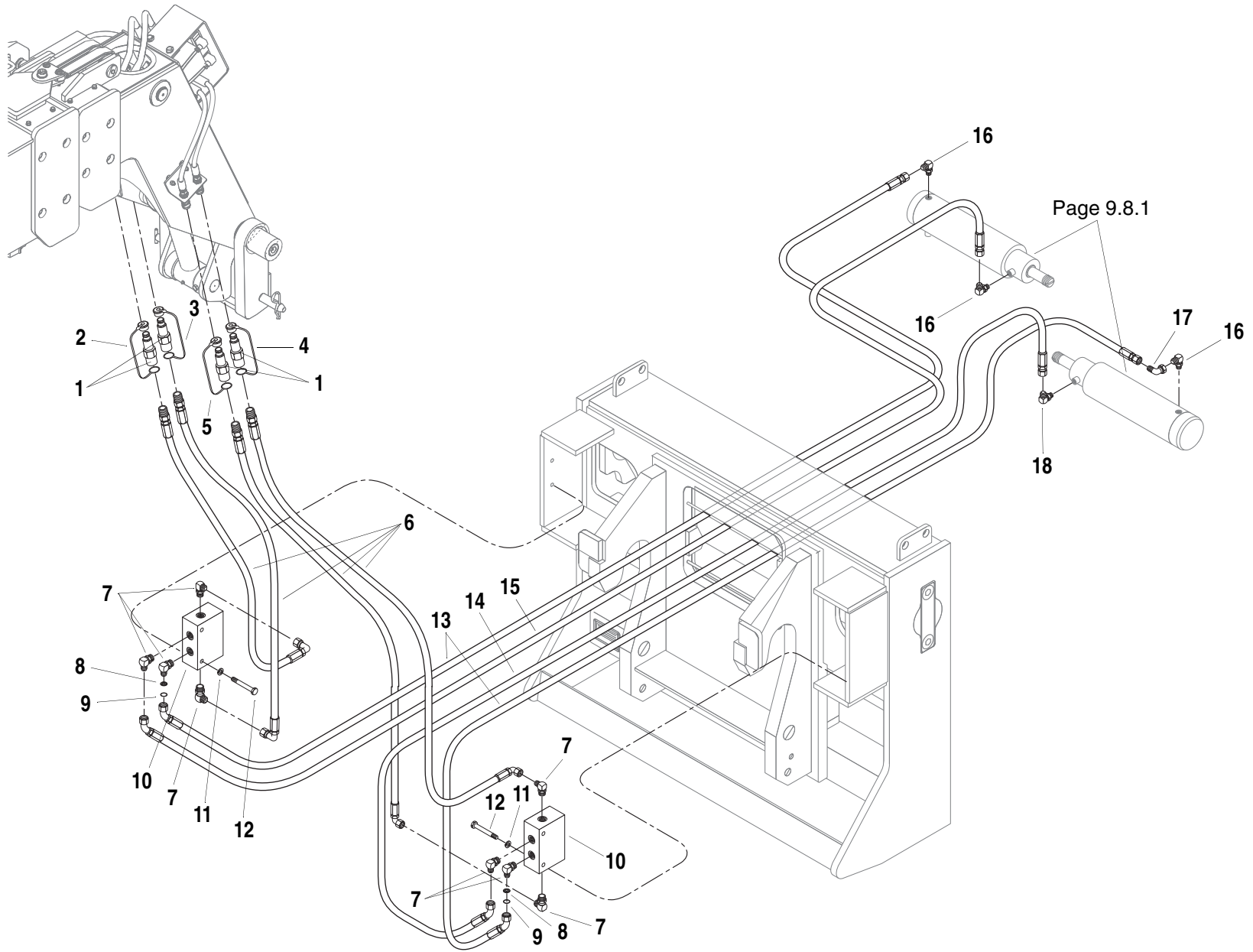
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Tier 1
Tier 2

7K FORK SIDESHIFT CYLINDER

9.6.1



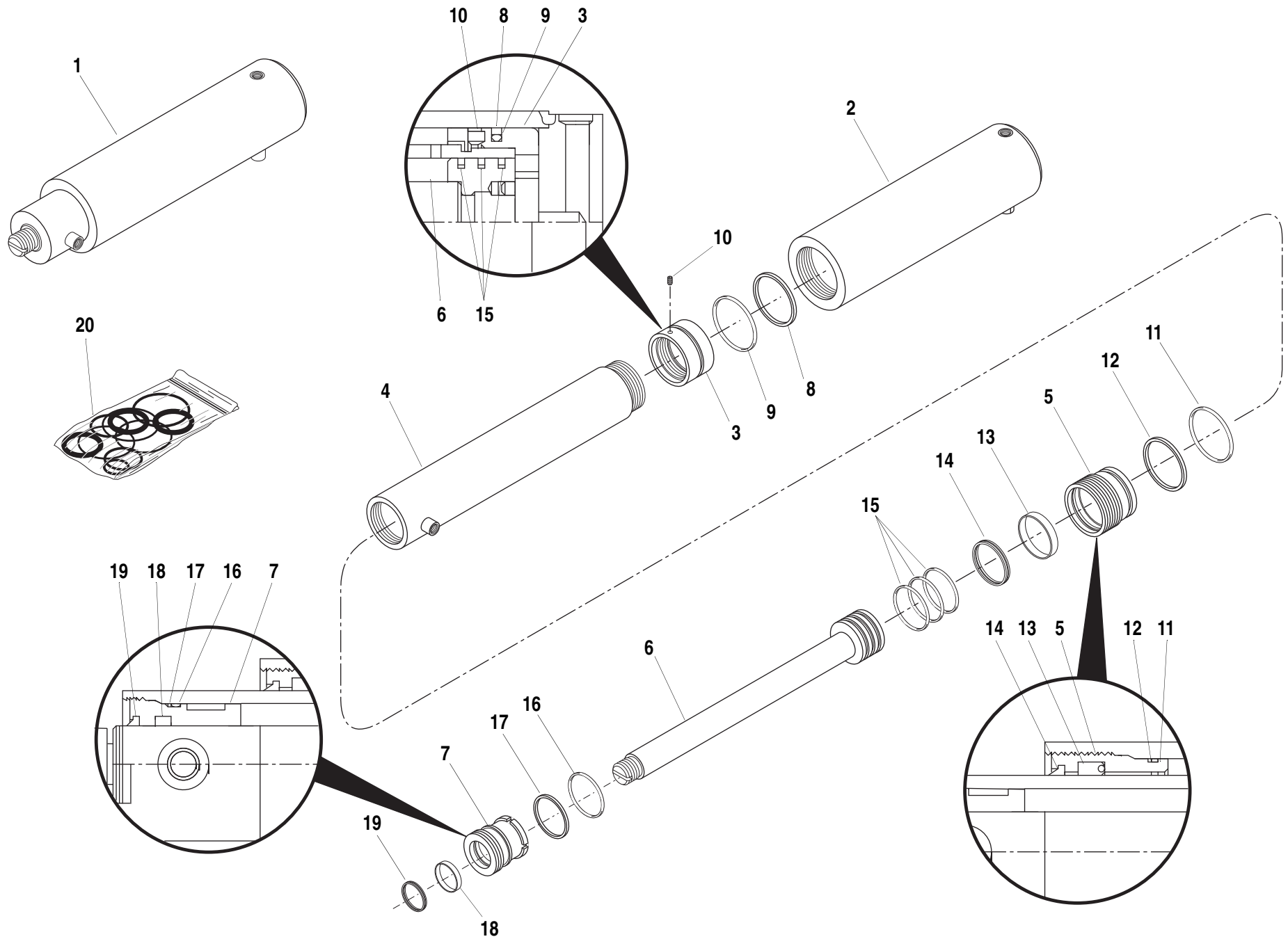
ITEM	PART NO.	QTY.	DESCRIPTION
1	8430084	4	Nipple, Quick Disconnect
2	8430052	1	Cap, Dust, Red #6 for Male
3	8430054	1	Cap, Dust, Black #6 for Male
4	8430056	1	Cap, Dust, Green #6 for Male
5	8430058	1	Cap, Dust, Yellow #6 for Male
6	2716809	4	Hose, 0.38 x 28.00"
7	8770068	8	Elbow, 90°, SAE 6 - str. thd. ORB x OFS
8	7139960	2	Disk, Orifice
9	8630003	2	O-Ring
10	8902283	2	Valve, Double PO Check
11	8307004	4	Washer, Lock 5/16"
12	8303786	4	HHCS, 5/16-18 x 2-1/4"
13	2716810	2	Hose, 0.38 x 11.50"
14	2716812	1	Hose, 0.38 x 28.00"
15	2716811	1	Hose, 0.38 x 28.00"
16	8770102	3	Elbow, 90°, SAE 6-4 - str. thd. ORB x OFS
17	8770105	1	Elbow, 90°, SW -6FF
18	8770204	1	Connector SAE 6 - str. thd. ORB x FF

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Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623296	1	Cylinder, 11K Fork Sideshift (Includes Items 2 thru 19)
2	N.S.S.	1	Tube, Weldment (Order Item 1)
3	8036361	1	Piston
4	8036362	1	Tube, Rod
5	8036363	1	Guide, 3.00 Bore - 2.50 Rod
6	8036364	1	Rod Assembly
7	8036365	1	Guide, 2.00 Bore - 1.25 Rod
8	See Kits	1	Piston Seal
9	See Kits	1	O-ring
10	See Kits	1	Set Screw 1/4-28 x 5/16" Nylon
11	See Kits	1	O-ring
12	See Kits	1	Ring, Back-up
13	See Kits	1	Seal, Poly 2.50 x 2.875 DO .375
14	See Kits	1	Wiper Ring, 2.50 AN Series
15	See Kits	3	Ring, Cast Iron Piston
16	See Kits	1	O-ring
17	See Kits	1	Ring, Back-up
18	See Kits	1	Seal, Poly 1.25 x 1.50 DO .25
19	See Kits	1	Wiper Ring, 1.25 AN Series
20	8205825	1	<u>KIT</u> Seal Kit, 11K Fork Sideshift Cylinder (includes items 8 Thru 19)

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Tier 1
Tier 2

11K FORK SIDESHIFT CYLINDER

9.8.1

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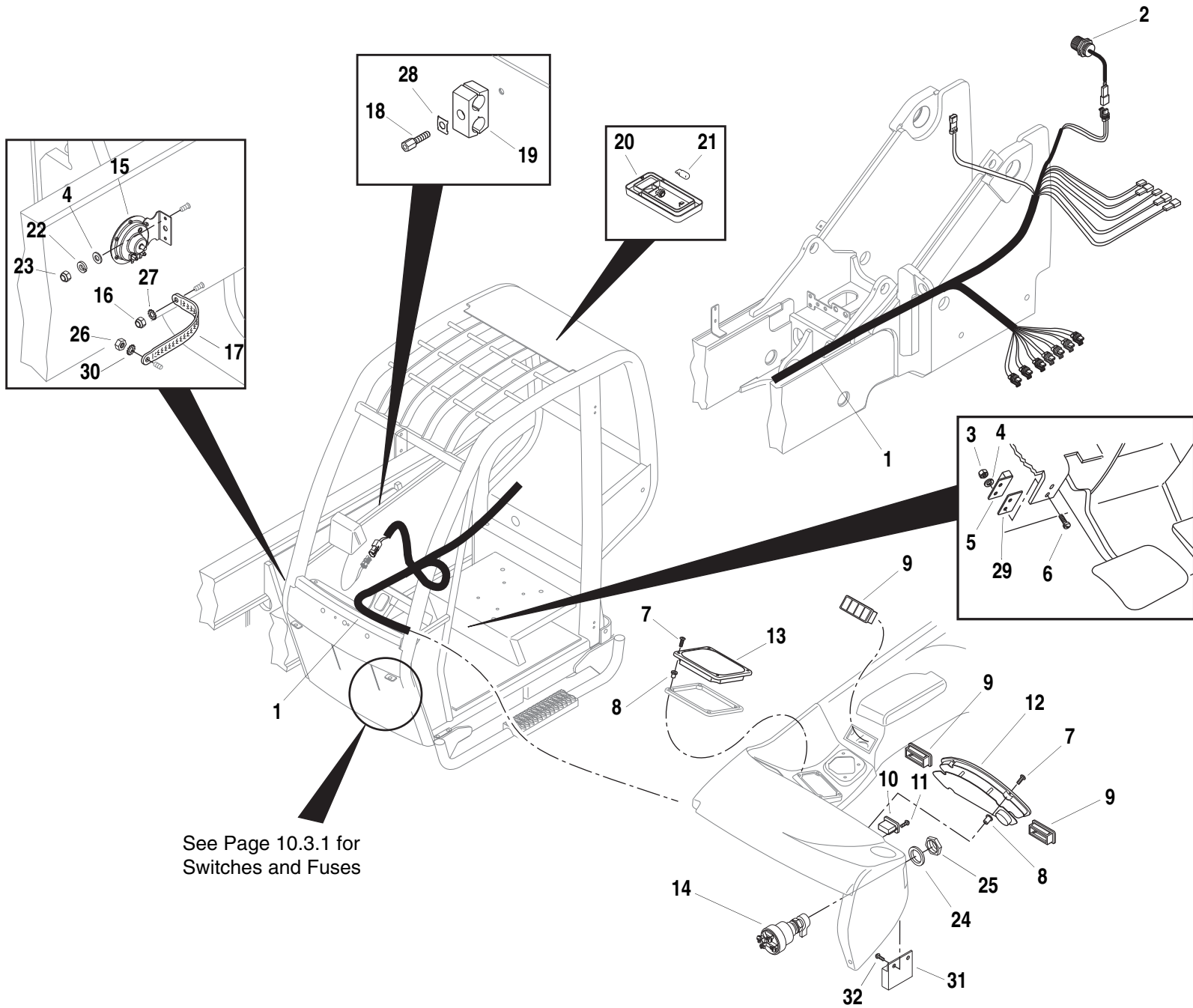
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Electrical Components - Transmission	10.19.1



See Page 10.3.1 for
Switches and Fuses

ITEM	PART NO.	QTY.	DESCRIPTION
1	6623467	1	Harness, Cab
2	7130682	1	Sensor, Boom
3	8310085	2	Nut, Hex Lock Elastic #10-24
4	8307111	4	Washer, Flat #10 Narrow
5	8223231	1	Switch, Magnetic Proximity
6	8310583	2	Screw, Slotted Pan Hd. #10-24 x 7/8"
7	8310358	8	BHCS, #10-32 x 3/4"
8	8580421	8	Nut, Well #10-32
9	8223046	3	Bezel, Switch
10	8467017	1	Hourmeter
11	8310366	2	Screw, Wood, Round Hd. #6 x 1/2"
12	8220358	1	Dash, Front Console
13	8220346	1	Panel, Joystick Logic
14	8223455	1	Switch, Ignition, Keyless
15	8270623	1	Horn, Signal
16	8305645	1	Nut, Hex Lock, 3/8"-16 NC
17	6611172	1	Ground Cable, Cab to Frame
18	8750026	1	Bolt, Stacking
19	8750022	1	Clamp Set
20	8036437	1	Light, Dome (Includes Item 21)
21	8036442	1	Blub
22	8307003	2	Washer, Lock #10
23	8305002	2	Nut, Hex #10-24
24	8307107	1	Washer, Plain, 5/8" SAE Narrow
25	8310587	1	Nut, Hex 5/8"-32, 1/8" Thk
26	8305626	1	Nut, Hex 5/16"-18
27	8307026	1	Washer, External Tooth Lock, 3/8"
28	8750017	1	Plate, Locking
29	7300841	1	Spacer, Switch
30	8307027	1	Washer, External Tooth Lock, 5/16"
31	10727307	1	Buzzer, Low Brake Pressure Warning
32	8310353	2	Screw, Hex Washer Head, Self-Tapping

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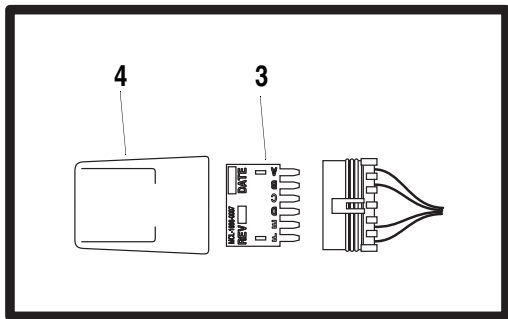
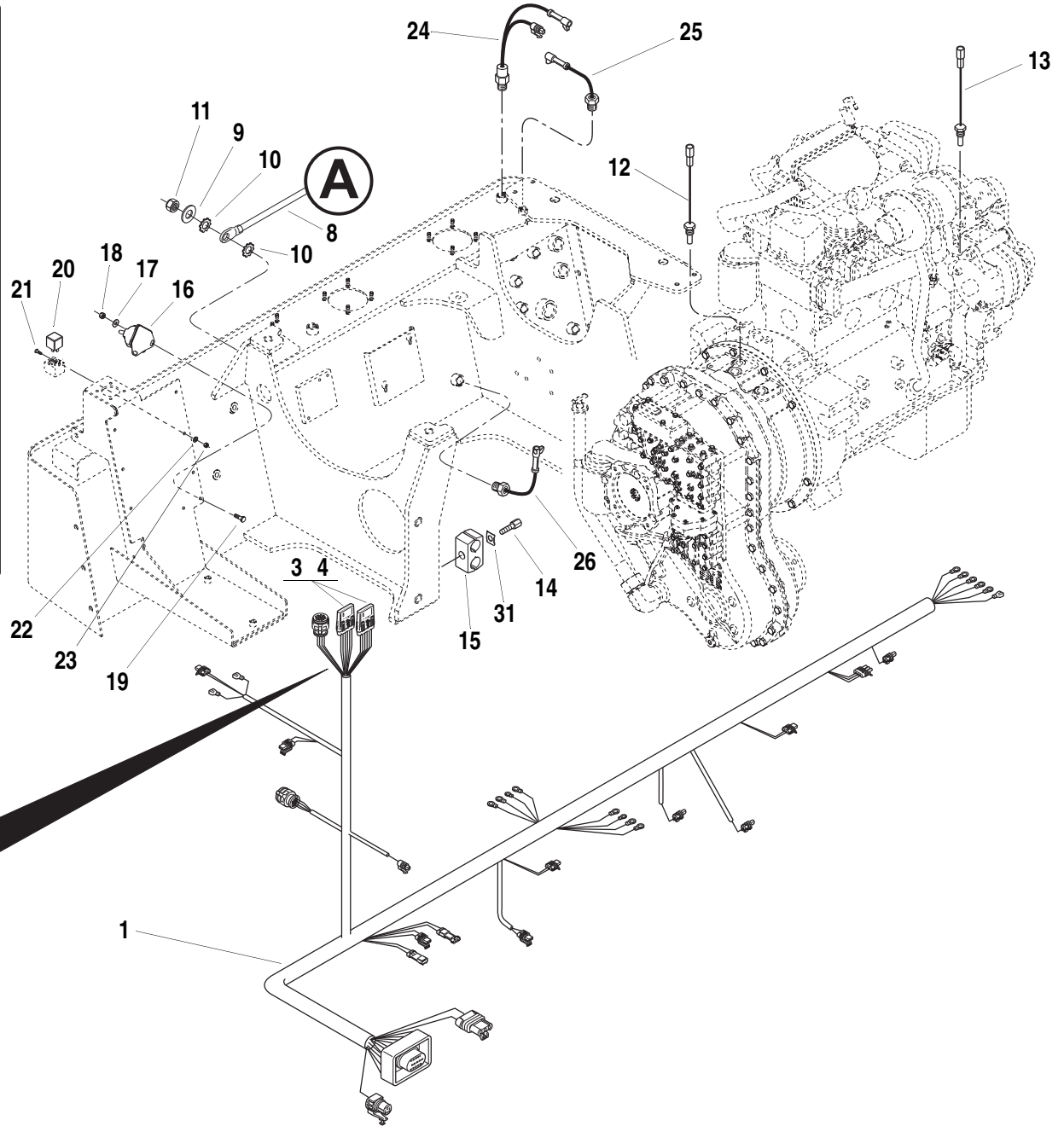
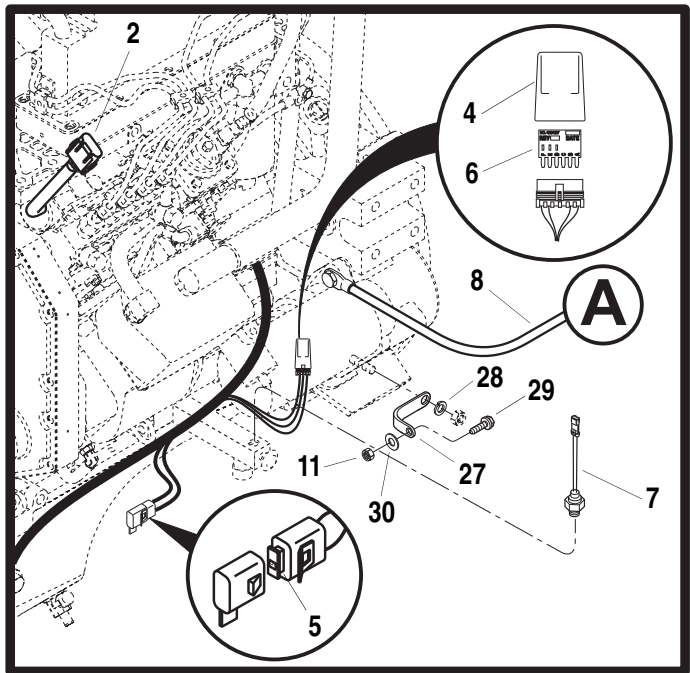
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Tier 1
Tier 2

OPERATORS CAB AND FRAME WIRING HARNESS

10.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623304	1	Harness, Engine (Includes Items 2 thru 6)
2	8035276	1	Solenoid, Fuel Shut Off
3	8036378	2	Circuit Board, 3 Diode (Transmission)
4	8220357	3	Cap, Clear Ves-Pac
5	8229242	1	Fuse, 5 Amp, (Fuel Shut Off)
6	8036379	1	Circuit Board (Alternator)
7		1	Switch, Engine Oil Pressure, (no longer available, order Kit, Pressure Switch)
8	8270140	1	Cable, Ground (Starter to Frame)
9	8307204	1	Washer, Plain 3/8"
10	8307026	2	Washer, External Tooth 3/8"
11	8305645	2	Nut, Hex Lock Elastic 3/8"-16
12	8223232	1	Switch, Transmission Temperature - 250° F (121° C)
13	8223243	1	Switch, Engine Water Temperature - 210° F (99° C)
14	8750026	1	Bolt, Stacking
15	8750022	1	Clamp Set
16	10167789	1	Relay, Starter
17	8307109	2	Washer, Flat 1/4"
18	8305624	2	Nut, Hex Lock Elastic 1/4"-20
19	8303540	2	HHCS, 1/4"-20 x 1" Gr. 5
20	8225119	1	Relay, Fuel Shut Off Soleniod
21	8303837	1	Screw, Slotted Pan Hd. #10-24 x 3/4"
22	8307003	1	Washer, Lock #10
23	8305002	1	Nut, Hex #10-24
24	8223526	1	Switch, Hydraulic Oil Pressure 20 psi (1,4 kPa)
25	8223227	1	Switch, Hydr. Oil Filter Temperature, 100°F (38°C)
26	8223226	1	Switch, Hydr. Oil High Temperature, 195°F (91°C)
27	6621412	1	Terminal, Starter 90 Deg.
28	8307005	1	Washer, Lock 3/8"
29	8303510	1	HHCS, 3/8"-24 x 1"
30	8307110	1	Washer, Flat 3/8" Narrow
31	8750017	1	Plate, Locking

2915053	1	Kit, Pressure Switch, (includes items listed below)
4360609	1	Switch, Engine Oil Pressure
4923263	1	Jumper, Pressure Switch
77373058	1	Adapter

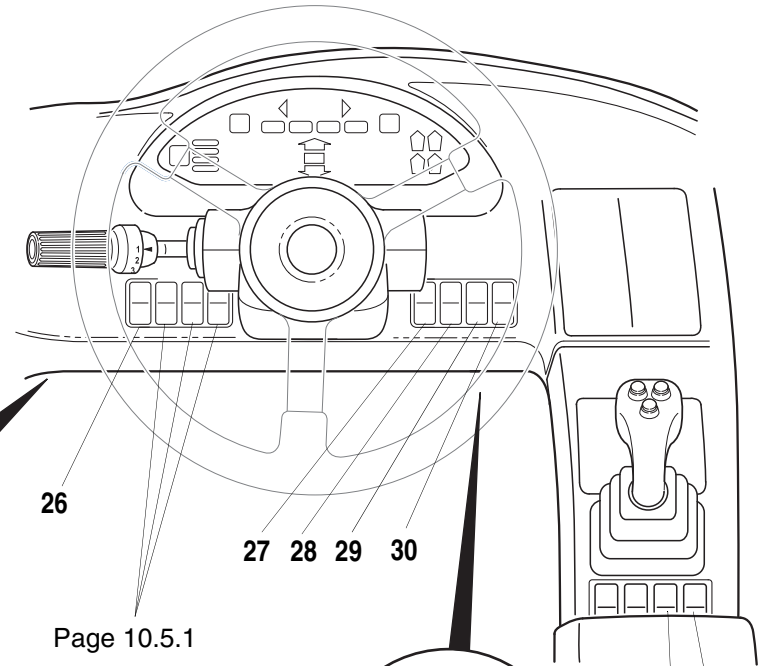
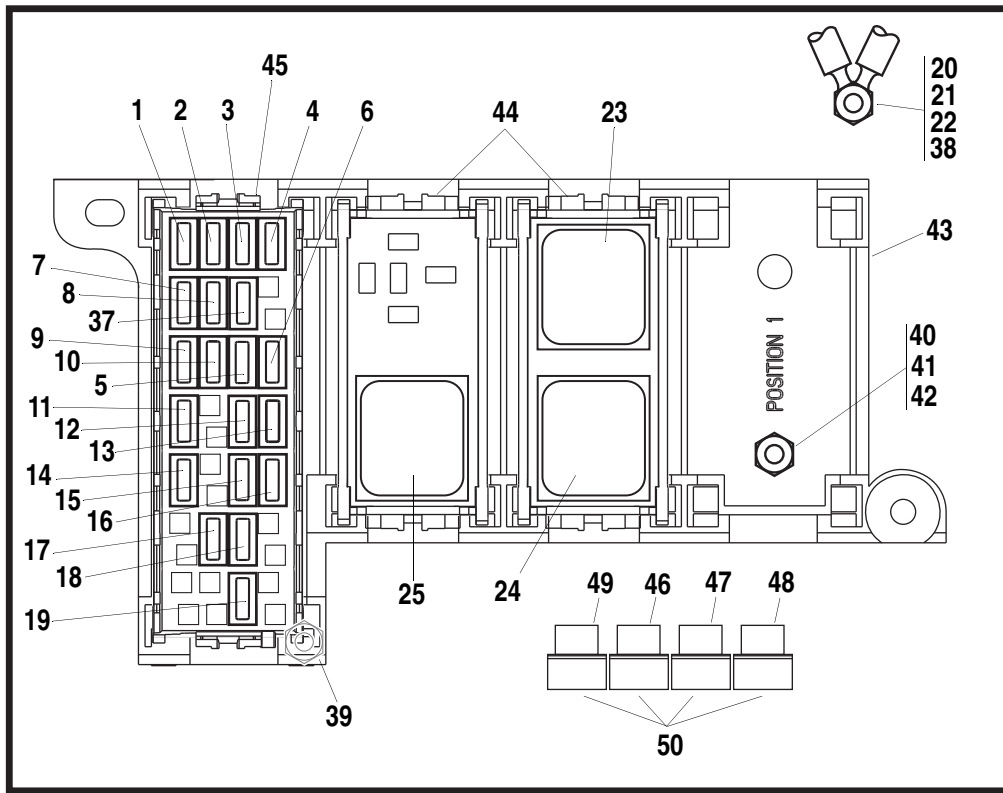
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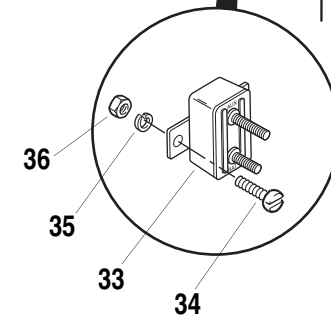
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Tier 1
Tier 2

ENGINE WIRING HARNESS - SWITCHES, FUSES AND RELAYS 10.2.1



Page 10.5.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8229242	1	Fuse, 5 Amp, Transmission Gear (Tan)
2	8229252	1	Fuse, 2 Amp, Hour Meter (Gray)
3	8229244	1	Fuse, 15 Amp, Ignition- Preheat- Cold Start (Blue)
4	8229245	1	Fuse, 30 Amp, Main (Green)
5	8229245	1	Fuse, 30 Amp, Power Window (Green)
6	8229249	1	Fuse, 3 Amp, Load Moment Indicator (Violet)
7	8229242	1	Fuse, 5 Amp, Transmission Direction (Tan)
8	8229244	1	Fuse, 15 Amp, Dash Panel (Blue)
9	8229242	1	Fuse, 5 Amp, Park Brake (Tan)
10	8229243	1	Fuse, 7.5 Amp, Joystick Panel (Tan)
11	8229252	1	Fuse, 2 Amp, Service Brake (Gray)
12	8229243	1	Fuse, 7.5 Amp, Front Wiper/Washer
13	8229243	1	Fuse, 7.5 Amp, Fork Shift, Left (Brown)
14	8229242	1	Fuse, 5 Amp, Steer Mode (Tan)
15	8229243	1	Fuse, 7.5 Amp, Top Wiper (Brown)
16	8229243	1	Fuse, 7.5 Amp, Fork Shift, Right (Brown)
17	8229252	1	Fuse, 2 Amp, Switch Lamp (Gray)
18	8229243	1	Fuse, 7.5 Amp, Rear Wiper (Brown)
19	8229247	1	Fuse, 25 Amp, Heater (White)
20	8310002	2	Washer, External Tooth Lock, 1/4"
21	8303540	1	HHCS, 1/4"-20 x 1"
22	8305624	1	Nut, Hex Lock, 1/4"-20
23	8225119	1	Relay, 12 Volt, Cab Power
24	8225119	1	Relay, 12 Volt, Power Window
25	8225119	1	Relay, Sealed 12V - 40A, Neutral Engage
26	8223054	1	Switch, Park Brake
27	8223061	1	Switch, Windshield Wiper/Washer
28	8223040	1	Switch, Roof Wiper
29	8223068	1	Switch, Steer Select
30	8223048	1	Switch, Attachment Tilt Mode
31	8223062	1	Switch, Fork Side Shift, Left
32	8223063	1	Switch, Fork Side Shift, Right
33	8229257	1	Breaker, Circuit, 50 Amp 12V
34	8303837	2	SCR SLTD PNH, #10-24 NC x 3/4"
35	8307003	2	Washer, Lock #10
36	8305002	2	Nut, Hex, #10-24 NC

ITEM	PART NO.	QTY.	DESCRIPTION
37	8229252	1	Fuse, 2 Amp, Low Brake Pressure Warning
38	8307109	1	Washer, Plain, 1/4" Narrow
39	8303670	1	HHCS, 5/16"-18 x 1"
40	8303739	1	HHCS, 5/16"-18 x 1-1/4"
41	8307106	1	Washer, Plain, 5/16" Narrow
42	8305626	1	Nut, Hex Lock Elastic, 5/16"-18
43	8220348	1	Base, Electrical 4-Way
44	8220354	2	Module, Relay
45	8220352	1	Module, Fuse
46	8229242	1	Fuse, 5 Amp, Spare
47	8229244	1	Fuse, 15 Amp, Spare
48	8229249	1	Fuse, 3 Amp, Spare
49	8229252	1	Fuse, 2 Amp, Spare
50	8582008	4	Clip, Spare Fuse

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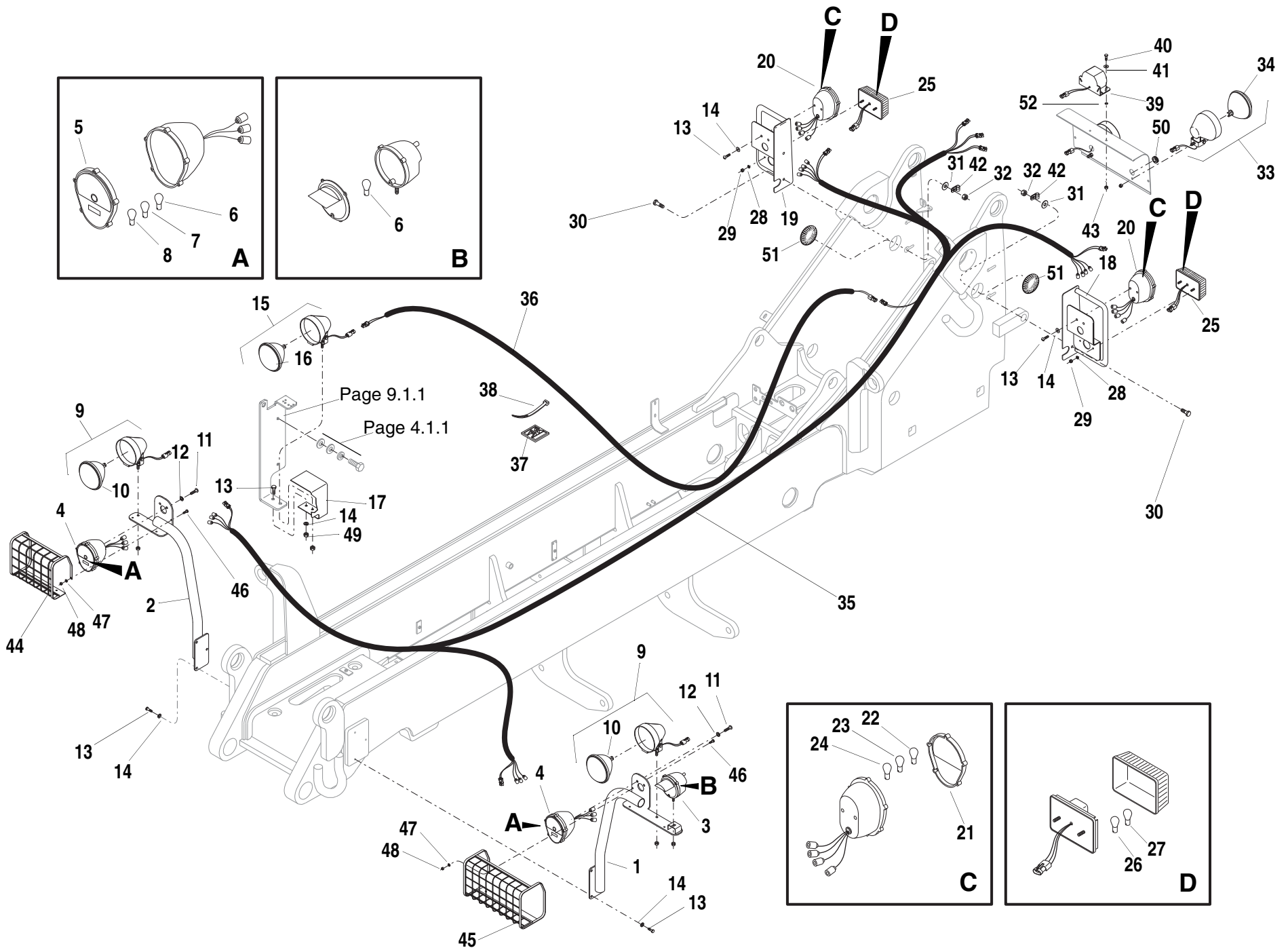
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MMV

Tier 1
Tier 2

SWITCHES AND FUSES

10.3.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623442	1	Light Bracket Assembly, <u>Left Front</u>
2	6623445	1	Light Bracket Assembly, <u>Right Front</u>
3	8500037	1	Blackout Headlight Assembly (See "B" for breakdown) (Includes Item 6 and Mounting Hardware)
4	8500039	2	Blackout Marker Assembly, Front (See "A" for breakdown) (Includes Items 5 thru 8)
5	8501042	1	Lens w/Door
6	8469020	1	Bulb 28V / 1.02A
7	8469021	1	Bulb 28V / .37A
8	8469022	1	Bulb 28V / .23A
9	8500064	2	Headlamp Assembly (Includes Item 10 and Mounting Hardware)
10	8036324	1	Sealed Beam 28V / 60-80W
11	8303681	4	HHCS 3/8-16 x 3/4"
12	8307005	4	Washer, Lock 3/8"
13	8303681	11	HHCS 3/8-16 x 3/4"
14	8307005	11	Washer, Lock 3/8"
15	8500065	1	Worklight (Includes Item 16 and Mounting Hardware)
16	8036325	1	Sealed Beam 28V / 60W
17	6623601	1	Guard, Boom Light
18	6623448	1	Light Bracket, <u>Left Rear</u>
19	6623453	1	Light Bracket, <u>Right Rear</u>
20	8500038	2	Tail Light Assembly, Blackout Stop (Includes Items 21 thru 24) (See "C" for breakdown)
21	8501037	1	Lens w/Door
22	8469020	1	Bulb 28V / 1.02A
23	8469021	1	Bulb 28V / .37A
24	8469022	1	Bulb 28V / .23A
25	8500063	2	Tail Light (See "D" for breakdown) (Includes Items 26 and 27)
26	8036326	1	Bulb 24V - 21/5W
27	8036327	1	Bulb 24V - 21W
28	8310078	4	Washer, Lock M5

ITEM	PART NO.	QTY.	DESCRIPTION
29	8310188	4	Nut-Hex, M5
30	8303771	4	HHCS 3/8-16 x 2-1/4"
31	8307204	4	Washer, Plain 3/8"
32	8305645	4	Nut-Lock Elastic 3/8"-16
33	8500065	2	Worklight (Includes Item 34)
34	8036325	1	Sealed Beam 28V / 60W
35	6623301	1	Harness, Lighting
36	6623468	1	Harness Boom Worklight
37	8584018	8	Mount, Tie
38	8584001	16	Tie Wrap
39	8270615	1	Alarm, Backup
40	8303697	2	HHCS, 5/16-18 x 3/4" Gr. 5
41	8307106	2	Washer, Flat 5/16" Narrow
42	8406105	2	Clip, Tube 3/4"
43	8305006	2	Nut, Hex 5/16"-18
44	6623607	1	Guard, Light RH
45	6623608	1	Guard, Light LH
46	8303005	6	HHCS, 1/4-20 x 7/8"
47	8307002	6	Washer, Lock, 1/4"
48	8305004	6	Nut, Hex 1/4"-20
49	8305008	1	Nut, Hex, 3/8"-16
50	8580228	2	Grommet, Rubber
51	7139249	A/R	Conduit, 1" Dia. (60" Cut to Fit)
52	8307004	2	Washer, Lock, 5/16"

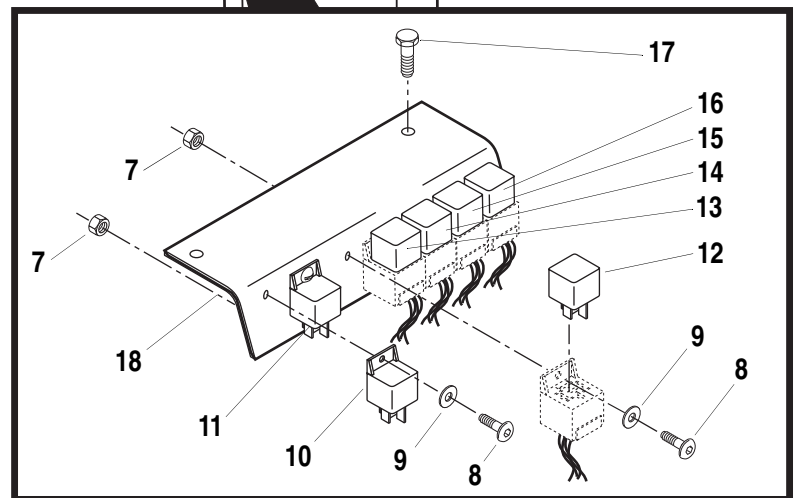
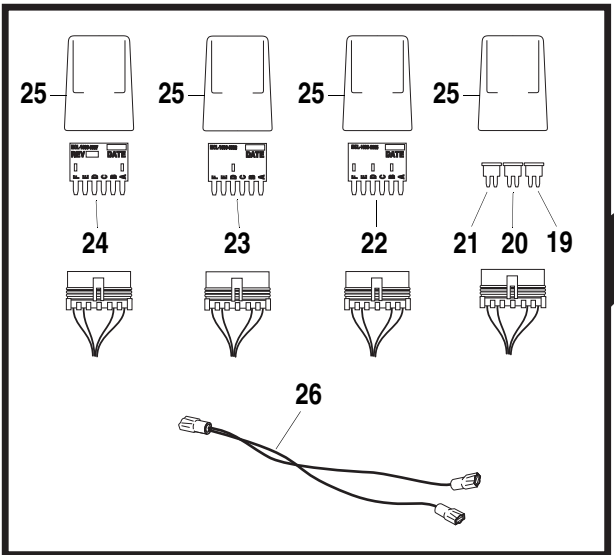
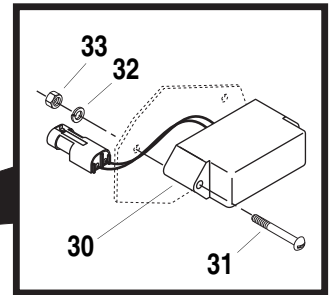
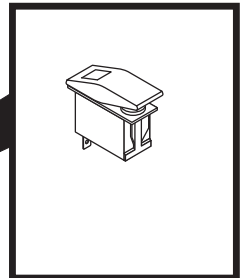
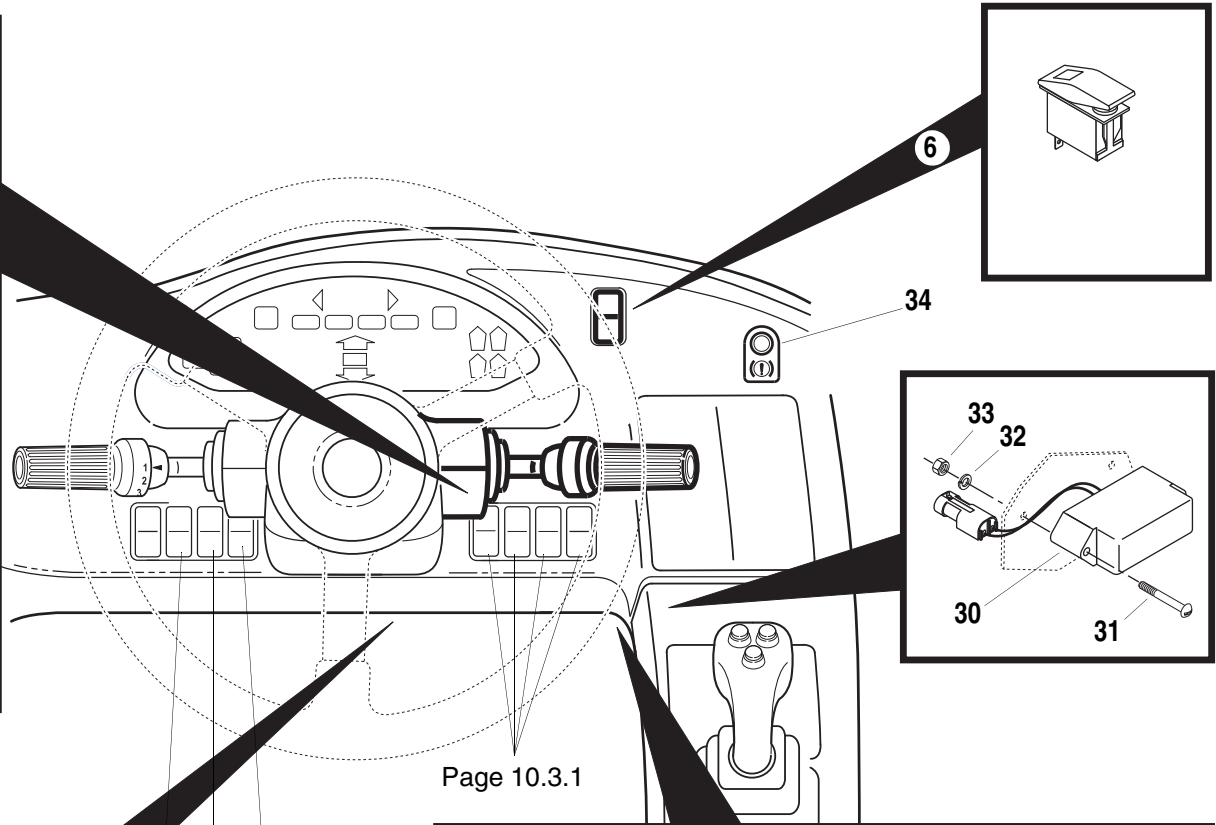
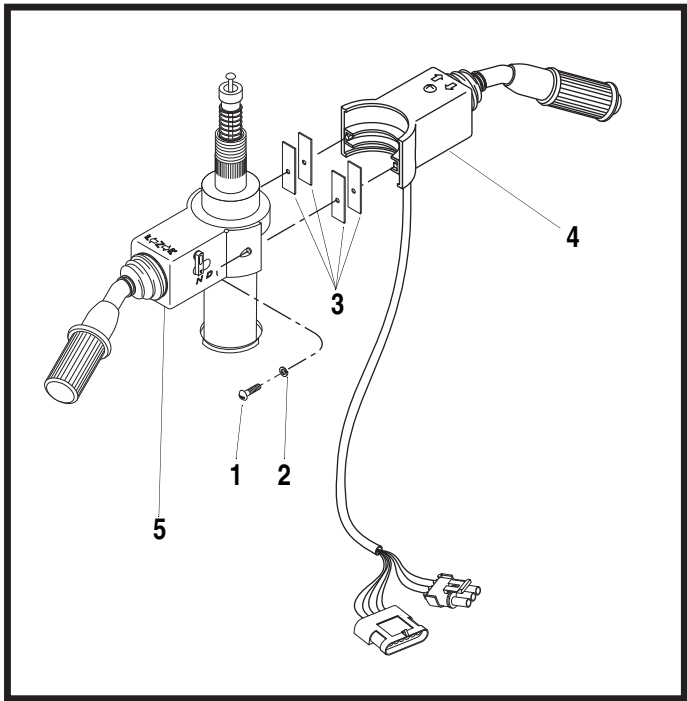
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MMV

LIGHT ASSEMBLIES AND BACKUP ALARM

10.4.1



Page 10.3.1

ITEM	PART NO.	QTY.	DESCRIPTION
1	8310559	2	Screw, Pan Head M5 x 25mm
2	8310078	2	Washer, Lock M5
3	7131961	4	Spacer, Transmission Shifter
4	7150742	1	Lever, Turn Signal
5	8223049	1	Transmission Range Selector
6	8223067	1	Switch, Hazard Lights
7	8305002	7	Nut-Hex, #10-24 NC
8	8310362	7	BHCS, #10-24 x 1/2"
9	8307111	7	Washer, Flat #10 SAE
10	8225114	1	Relay, Sealed 24V, Worklight Power
11	8225114	1	Relay, Sealed 24V, High Beam Power
12	8225119	1	Relay, Sealed 12V, Brake Light
13	8225119	1	Relay, Sealed 12V, Light Power
14	8225119	1	Relay, Sealed 12V Blackout Ignition
15	8225119	1	Relay, Sealed 12V, Normal Lights
16	8225119	1	Relay, Sealed 12V, Reverse Signal
17	8303982	2	Screw, Hx. Hd. 1/4-20 x 3/4"
18	6623480	1	Bracket, Relay
19	8229243	1	Fuse, 7.5 Amp, Horn
20	8229247	1	Fuse, 25 Amp Normal Lights (White)
21	8229247	1	Fuse, 25 Amp Blackout Lights (White)
22	8036381	1	Circuit Board, 3 Resistor
23	8036380	1	Circuit Board, 1 Resistor
24	8220356	1	Circuit Board, 2 Diode
25	8220357	4	Cap, Clear Ves-Pac
26	7139662	1	Jumper Wire, Acc. Power
27	8223065	1	Switch, Blackout Drive/Marker
28	8223064	1	Switch, Blackout Activate
29	8223066	1	Switch, Worklights
30	8500204	1	Flasher, 24 Volt
31	8303920	2	Screw, Pan Hd. #10-24 x 1 3/4"
32	8307003	2	Washer, Lock #10
33	8305002	2	Nut, Hex #10-24
34	10727311	1	Light, Indicator, Low Brake Pressure

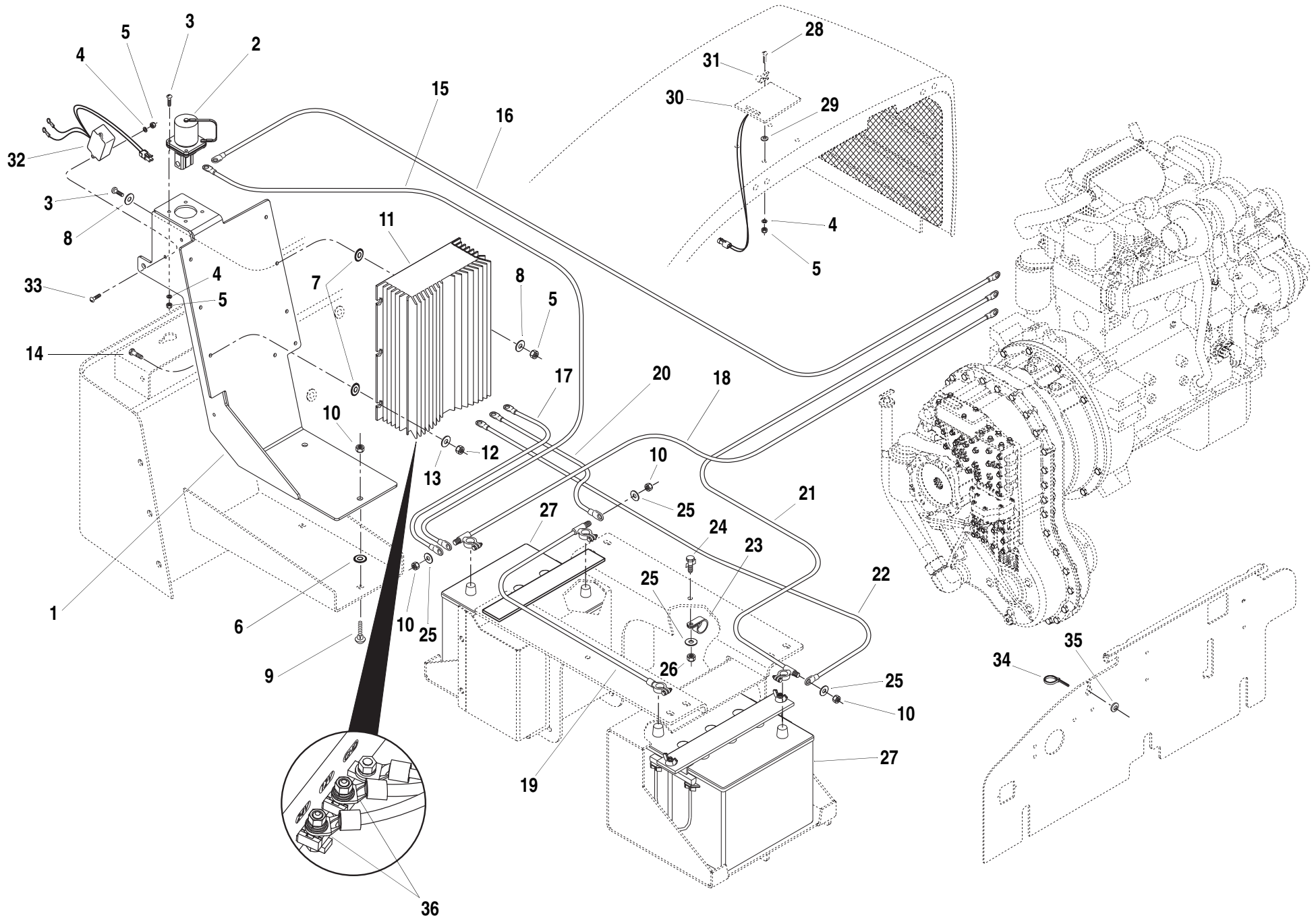
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MMV

Tier 1
Tier 2

LIGHTS - SWITCHES, FUSES AND RELAYS

10.5.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623494	1	Bracket, Equalizer
2	8220876	1	Receptacle, Slave (Includes Cap)
3	8303837	5	Screw, Slotted Pan Hd. #10-24 x 3/4"
4	8307003	10	Washer, Lock #10
5	8305002	10	Nut, Hex #10-24
6	8307026	3	Washer, External Tooth Lock 3/8"
7	8310002	6	Washer, External Tooth Lock 1/4"
8	8307111	2	Washer, Flat #10
9	8310335	3	Bolt, Carriage 3/8-16 x 1-1/2"
10	8305603	6	Nut, Hex Lock, 3/8-16
11	8270223	1	Equalizer, Battery
12	8305624	5	Nut, Hex Lock Elastic 1/4-20
13	8307109	5	Washer, Flat 1/4"
14	8303540	5	HHCS, 1/4-20 x 1" Gr. 5
15	6623478	1	Battery Cable, Slave Rec. Neg
16	6623476	1	Battery Cable, Slave Rec. Pos.
17	6623479	1	Battery Cable, Equalizer Neg.
18	6623473	1	Battery Cable, Ground
19	6623472	1	Battery Cable, 12-24V
20	6623477	1	Battery Cable, 12V Equalizer Pos.
21	6623475	1	Battery Cable, 24V Equalizer Pos.
22	6623471	1	Battery Cable, 24V Pos.
23	10837368	1	Clamp, Double Tube
24	8303675	1	HHCS, 3/8-16 x 1-1/4" Gr. 5
25	8307005	4	Washer, Lock 3/8"
26	8305008	1	Nut, Hex 3/8-16
27	8270143	2	Battery, 12 Volt
28	8303893	4	Screw, Slotted Pan Hd. #10-24 x 1-1/2"
29	8580215	4	Grommet, Rubber
30	6623571	1	Panel, Solargizer
31	8406002	1	Clip, Wire
32	6623572	1	Control Box, Solargizer
33	8303836	2	Screw, Slotted Pan Hd. #10-24 x 5/8"
34	8584001	1	Tie Wrap
35	8580227	1	Grommet, Rubber
36	8229258	2	Fuse Kit, Battery Equalizer (Includes Hardware)

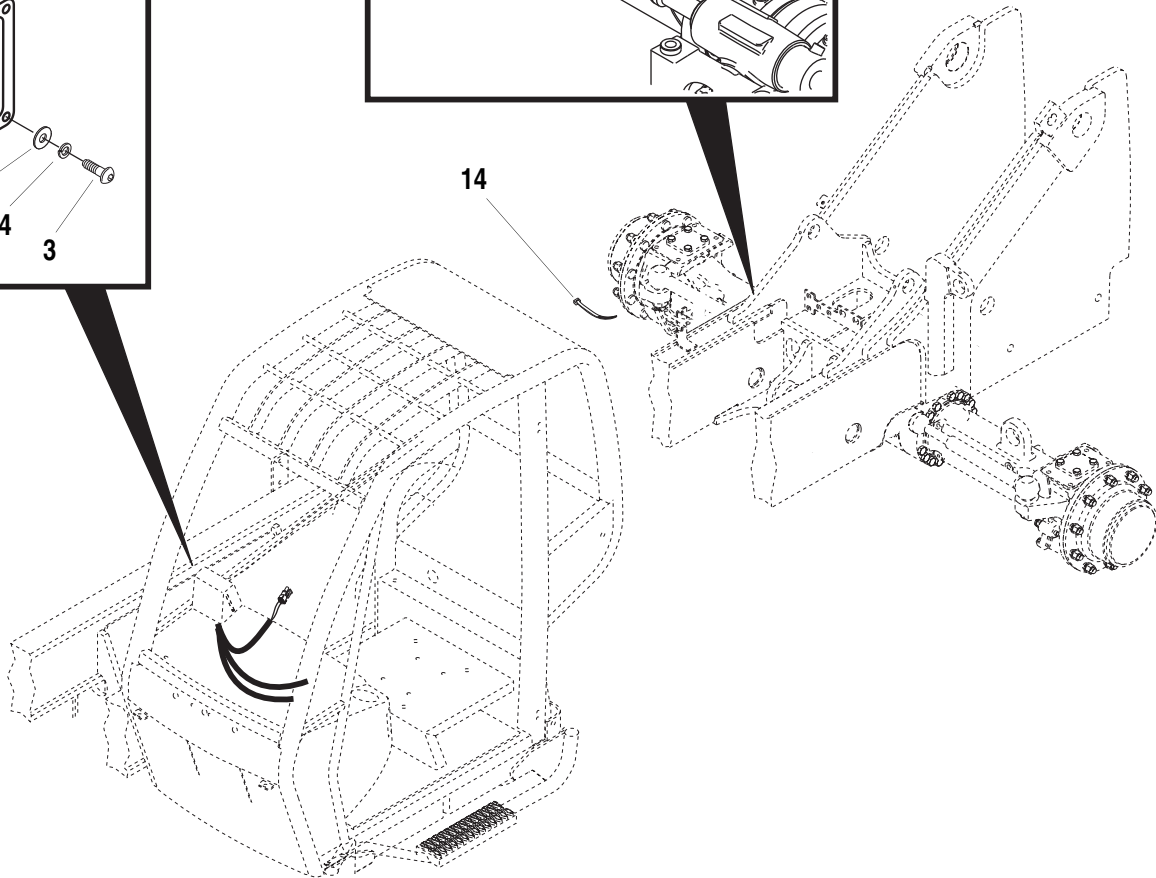
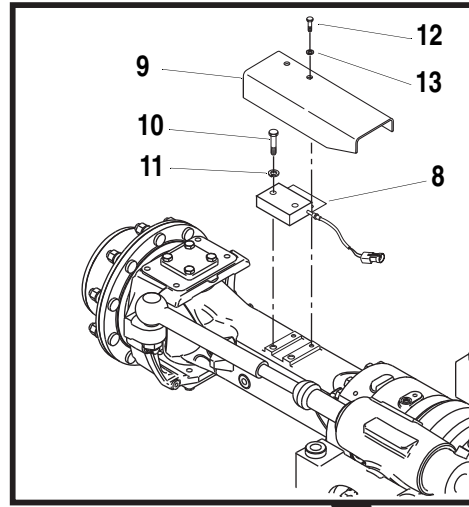
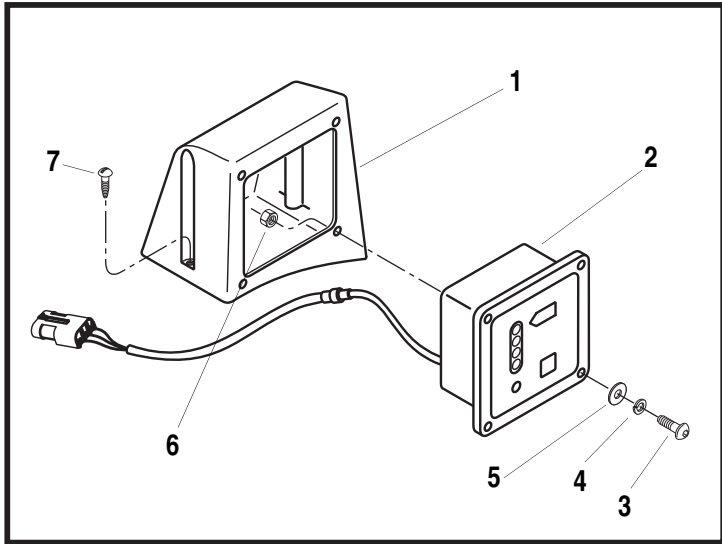
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MMV

Tier 1
Tier 2

BATTERIES - EQUALIZER AND SOLAGIZER ASSEMBLY 10.6.1



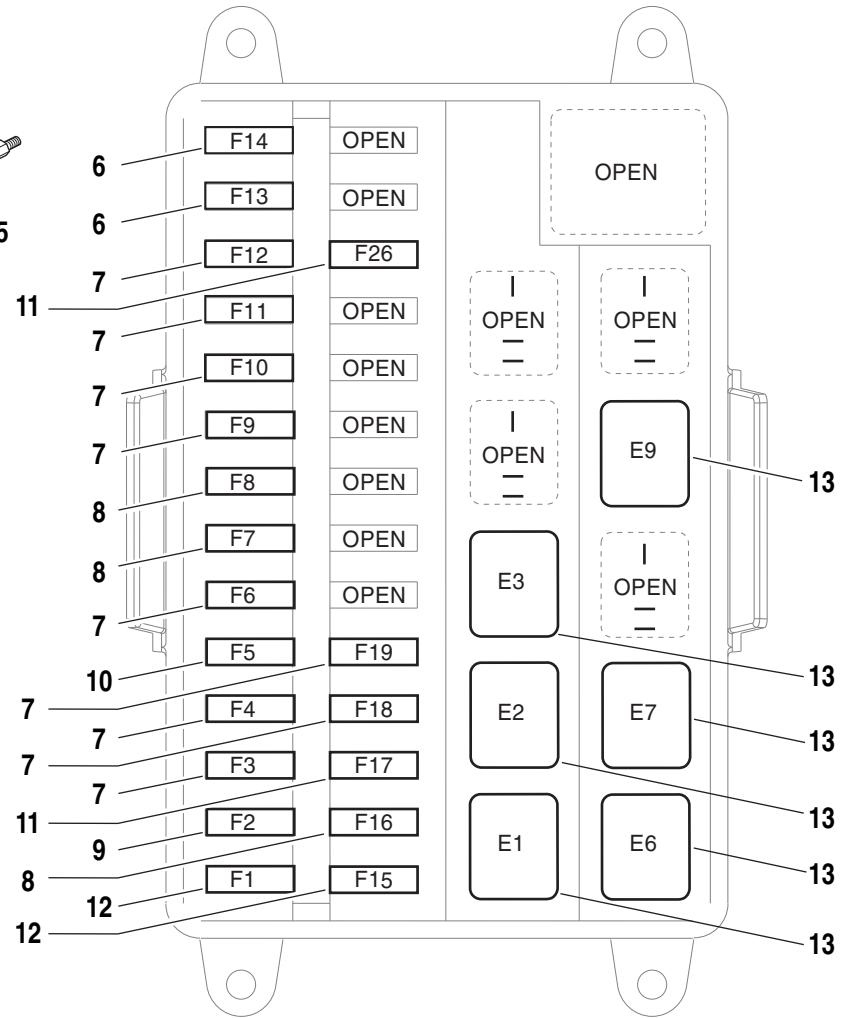
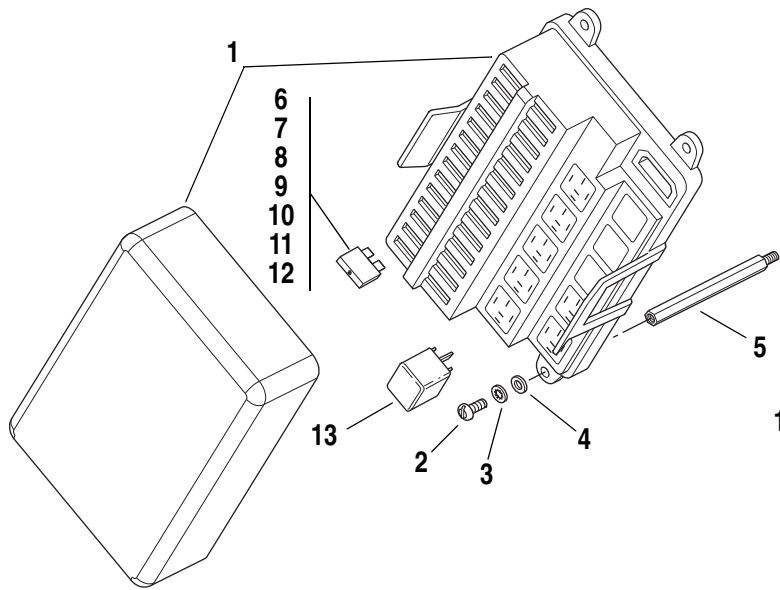
ITEM	PART NO.	QTY.	DESCRIPTION
1	6623481	1	Mounting Bracket, LMI Display
2	8468028	1	Display Unit, LMI
3	8310372	4	Screw, Button Hd. #10-24 x 5/8"
4	8307003	4	Washer, Lock #10
5	8307111	4	Washer, Plain #10 Narrow
6	8305002	4	Nut, Hex #10-24
7	8310577	3	Screw, Sheetmetal, #4 x 1"
8	8466312	1	Transducer, LMI Sensor
9	6623553	1	Cover, LMI Sensor
10	8310534	2	HHCS, M10-1.5 x 40mm
11	8307023	2	Washer, Lock M10
12	8310293	2	HHCS, M10-1.25 x 50mm
13	8307022	2	Washer, Lock, M8
14	8584001	3	Plastic Tie

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Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	8220362	1	Box, Fuse/Relay
2	8310642	4	Screw, Sltd PNH M5-.8-12mm
3	8310641	4	Washer, Lock-Internal Tooth M5
4	8310390	4	Washer, Plain M5
5	8310640	4	Standoff, Steel Hex 80mm Long
6	8229263	2	Fuse, 3 Amp (Violet) Auto Blade Type
7	8229233	9	Fuse, 7.5 Amp (Brown) Auto Blade Type
8	8229234	3	Fuse, 10 Amp (Red) Auto Blade Type
9	8229237	1	Fuse, 15 Amp (Blue) Auto Blade Type
10	8229235	1	Fuse, 20 Amp (Yellow) Auto Blade Type
11	8229262	2	Fuse, 25 Amp (Clear) Auto Blade Type
12	8229238	2	Fuse, 40 Amp (Orange) Auto Blade Type
13	8225119	6	Relay, 12V Sealed

Origin
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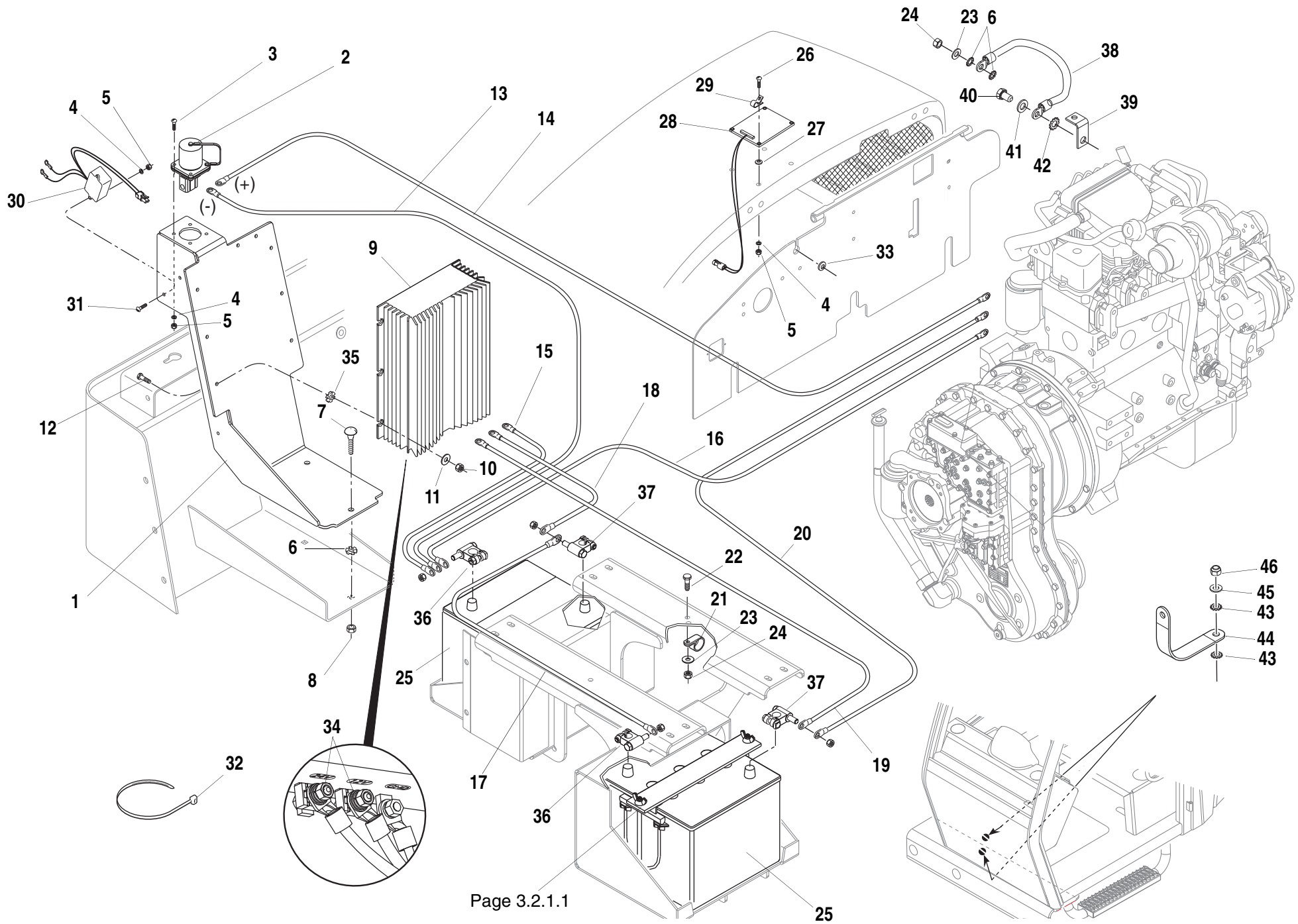
MMV

S/N MV201 –

Tier 1
Tier 2

FUSES, RELAYS AND FLASHER BOX

10.10.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623716	1	Bracket, Equalizer
2	8220876	1	Receptacle, Slave (Includes Cap)
3	8303837	4	Screw, Slotted Pan Hd. #10-24 x 3/4"
4	8307003	10	Washer, Lock #10
5	8305002	10	Nut, Hex #10-24
6	8307026	5	Washer, Lock, External Tooth, 3/8"
7	8310335	3	Bolt, Carriage 3/8-16 x 1-1/2"
8	8305603	3	Nut, Hex Lock, 3/8"-16
9	8270223	1	Equalizer, Battery
10	8305624	6	Nut, Hex Lock Elastic 1/4"-20
11	8307109	6	Washer, Flat 1/4"
12	8303540	6	HHCS, 1/4-20 x 1" Gr. 5
13	6623478	1	Battery Cable, Slave Rec. Neg
14	6623812	1	Battery Cable, Slave Rec. Pos.
15	6623479	1	Battery Cable, Equalizer Neg.
16	6623813	1	Battery Cable, Ground
17	6623821	1	Battery Cable, 12-24V
18	6623477	1	Battery Cable, 12V Equalizer Pos.
19	6623475	1	Battery Cable, 24V Equalizer Pos.
20	6623814	1	Battery Cable, 24V Pos.
21	10837368	1	Clamp, DoubleTube
22	8303675	1	HHCS, 3/8-16 x 1-1/4" Gr. 5
23	8307110	2	Washer, 3/8" Narrow
24	8305008	2	Nut, Hex, 3/8"-16
25	8270143	2	Battery, 12 Volt
26	8303893	4	Screw, Slotted Pan Hd. #10-24 x 1-1/2"
27	8580215	4	Grommet, Rubber
28	6623571	1	Panel, Solargizer
29	8406002	1	Clip, Wire
30	6623572	1	Control Box, Solargizer
31	8303836	2	Screw, Slotted Pan Hd. #10-24 x 5/8"
32	8584001	A/R	Tie, Plastic Cable .19W x 6.7" LG
33	8580227	1	Grommet, Rubber
34	8229258	2	Fuse Kit, Battery Equalizer (Includes Hardware)
35	8310002	6	Washer, Lock, External Tooth, 1/4"
36	8270147	2	Clamp, Battery, Negative Polarity

ITEM	PART NO.	QTY.	DESCRIPTION
37	8270148	2	Clamp, Battery, Positive Polarity
38	8270150	1	Cable, Engine Pod Ground
39	7301529	1	Bus Bar, 90 Deg.
40	8303533	1	HHCS, M12 x 1.75 x 20mm
41	8307220	1	Washer, Plain, M12
42	8310650	1	Washer, Lock, M12 External Tooth
43	8310647	2	Washer, Lock, M8 External Tooth
44	6611172	1	Ground Strap
45	8307222	1	Washer, Plain M8
46	8305654	1	Nut, Hex Lock Elastic, M8

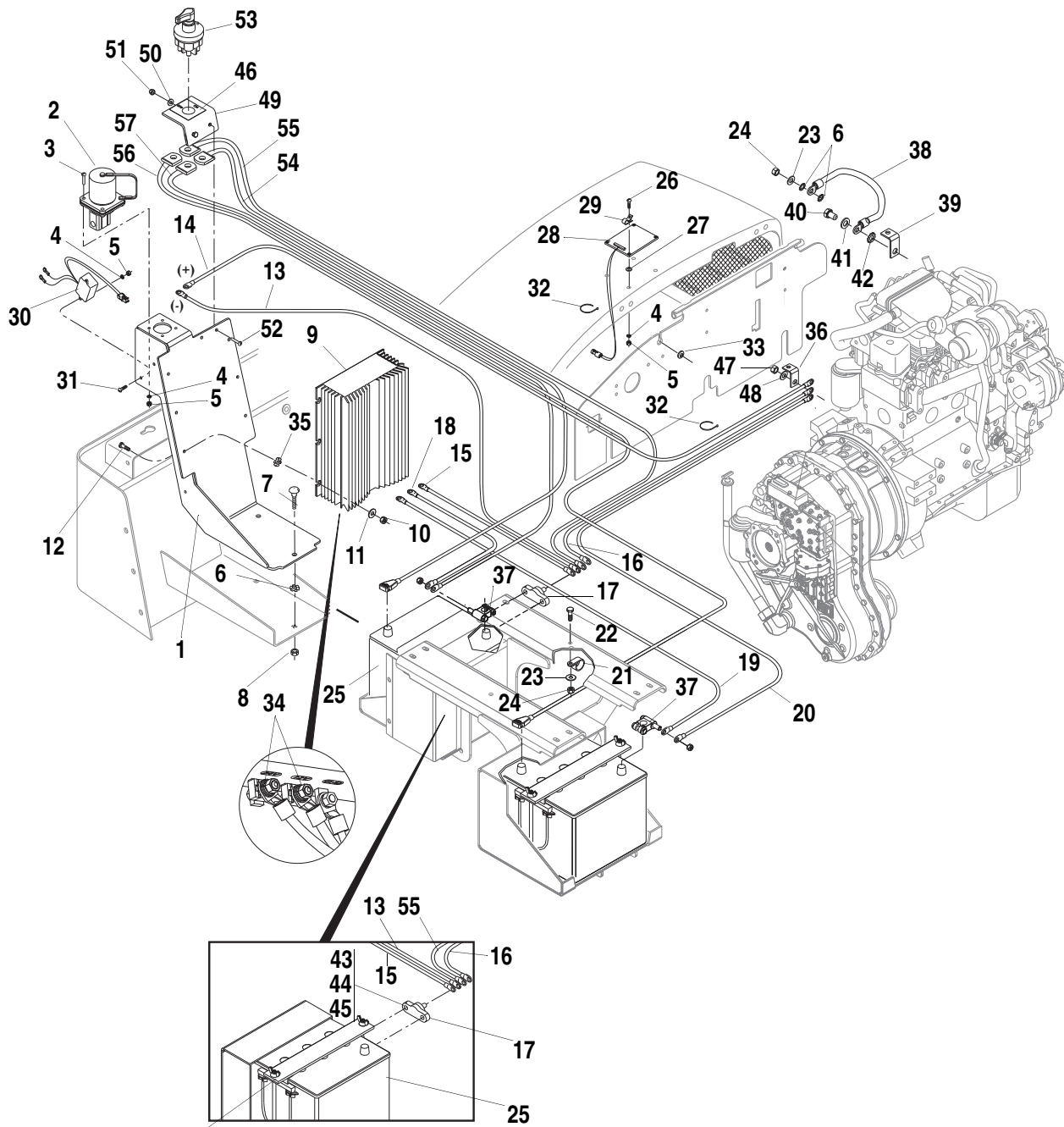
Origin
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MMV

Tier 1
Tier 2

BATTERIES - EQUALIZER AND SOLARGIZER ASSEMBLIES 10.11.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623716	1	Bracket, Equalizer
2	8220876	1	Receptacle, Slave (Includes Cap)
3	8303837	4	Screw, Slotted Pan Hd. #10-24 x 3/4"
4	8307003	10	Washer, Lock #10
5	8305002	10	Nut, Hex #10-24
6	8307026	5	Washer, Lock, External Tooth, 3/8"
7	8310335	3	Bolt, Carriage 3/8-16 x 1-1/2"
8	8305603	3	Nut, Hex Lock, 3/8"-16
9	8270223	1	Equalizer, Battery
10	8305624	6	Nut, Hex Lock Elastic 1/4"-20
11	8307109	6	Washer, Flat 1/4"
12	8303540	6	HHCS, 1/4-20 x 1" Gr. 5
13	6623478	1	Battery Cable, Slave Rec. Neg
14	6623812	1	Battery Cable, Slave Rec. Pos.
15	6623479	1	Battery Cable, Equalizer Neg.
16	6623813	1	Battery Cable, Ground
17	1001120750	1	Insulated Stud Terminal
18	6623477	1	Battery Cable, 12V Equalizer Pos.
19	6623475	1	Battery Cable, 24V Equalizer Pos.
20	6623814	1	Battery Cable, 24V Pos.
21	10837368	1	Clamp, DoubleTube
22	8303675	1	HHCS, 3/8-16 x 1-1/4" Gr. 5
23	8307110	2	Washer, 3/8" Narrow
24	8305008	2	Nut, Hex, 3/8"-16
25	8270143	2	Battery, 12 Volt
26	8303893	4	Screw, Slotted Pan Hd. #10-24 x 1-1/2"
27	8580215	4	Grommet, Rubber
28	6623571	1	Panel, Solargizer
29	8406002	1	Clip, Wire
30	6623572	1	Control Box, Solargizer
31	8303836	2	Screw, Slotted Pan Hd. #10-24 x 5/8"
32	8584001	A/R	Tie, Plastic Cable .19W x 6.7" LG
33	8580227	1	Grommet, Rubber
34	8229258	2	Fuse Kit, Battery Equalizer (Includes Hardware)
35	8310002	6	Washer, Lock, External Tooth, 1/4"
36	6621412	1	Terminal, 90 Degrees

ITEM	PART NO.	QTY.	DESCRIPTION
37	8270148	2	Clamp, Battery, Positive Polarity
38	8270150	1	Cable, Engine Pod Ground
39	7301529	1	Bus Bar, 90 Deg.
40	8303533	1	HHCS, M12 x 1.75 x 20mm
41	8307220	1	Washer, Plain, M12
42	8310650	1	Washer, Lock, M12 External Tooth
43	4711000	2	Washer, #10
44	3311005	2	Hex Lock Nut, 1024, GR2
45	3931010	2	Socket Hd Capscrew, 10-24x5/8
46	1001121219	1	Battery Disconnect Decal
47	8305038	1	Hex Nut, M10x1-1/2
48	8307221	1	Washer, M10
49	1001120766	1	Battery Disconnect Mount
50	8307109	2	Washer, 0.25
51	8305624	2	Hex Lock Nut, 0.25-20
52	8303540	2	Hex Hd Capscrew, 0.25-20x1, GR5
53	1001120778	1	Battery Disconnect Switch
54	1001120575	1	Battery Disconnect Ground Cable
55	1001120574	1	Battery Cable, Ground
56	1001120573	1	Battery Disconnect Cable, 12-24V Pos.
57	1001120572	1	Battery Disconnect Cable, 12-24V Neg.

Origin
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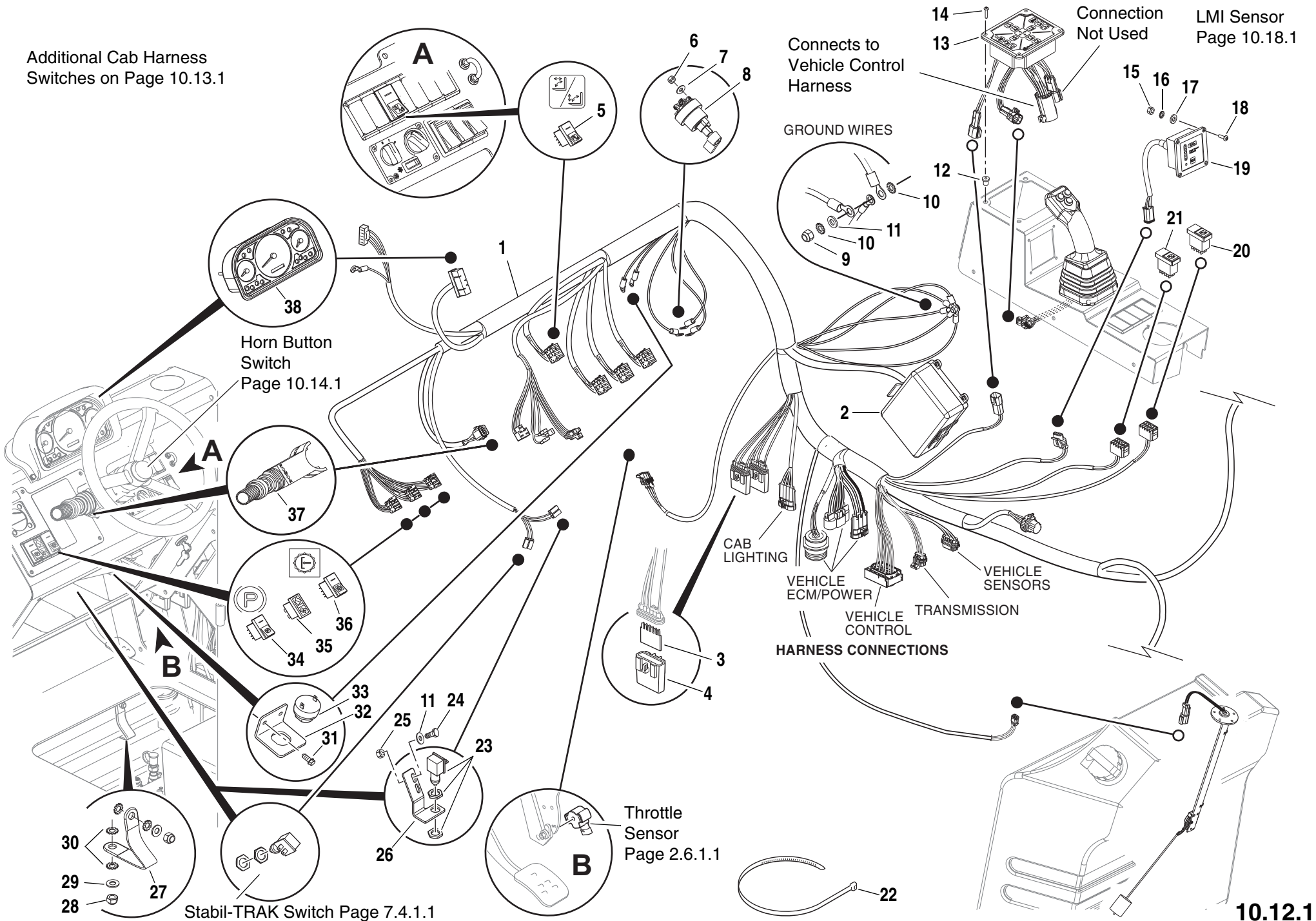
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Tier 1
Tier 2

BATTERIES - EQUALIZER AND SOLARGIZER ASSEMBLIES 10.11.1.1

Additional Cab Harness
Switches on Page 10.13.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623776	1	Harness, Cab (Includes Item 2 thru 4)
2	8220362	1	Box, Fuse/Relay (See Page 10.10.1 for breakdown)
3	8220357	2	Cover, Clear Ves-Pac
4	8220366	2	Circuit Board, 3 Diode
5	8223048	1	Attachment Tilt Mode Switch
6	8310587	1	Nut, Hex, 5/8"-32
7	8307107	1	Washer, Plain, 5/8"
8	8223455	1	Switch, Ignition, Keyless
9	8305652	1	Nut, Hex Lock M6X1.00
10	8310687	2	Washer, Lock, External Tooth-M6
11	8307219	3	Washer, Plain Metric M6-6.4-12.5 1.600
12	8580419	4	Nut, Well
13	8310583	4	BHCS, #10 -24 x 7/8"
14	8220346	1	Logic Panel
15	8305002	4	Nut, Hex, #10-24
16	8307003	4	Washer, Lock-Spring #10
17	8307111	4	Washer, Plain Narrow #10 x .218 x .500 x.049
18	8310372	4	BHCS, #10-24NC- .625
19	8468028	1	LMI Display Unit
20	8223063	1	Switch, Fork Side Shift Right
21	8223062	1	Switch, Fork Side Shift Left
22	8584001	A/R	Tie, Plastic Cable .19 x 6.7"
23	8223238	1	Switch, Brake Light
24	8303607	2	HHCS, M6 x 1-25mm PC8.8
25	8305637	2	Nut, Hex Lock, M6 x 1.00
26	7151322	1	Bracket, Brake Light Switch
27	6611172	1	Cable, Ground, Cab to Cab Support
28	8305654	2	Nut, Hex Lock-M8x1.25
29	8307222	2	Washer, Plain M8
30	8310647	4	Washer, Lock, External Tooth-M8
31	8310683	2	HHDS, 5/16-18-3/4"(Self Drilling)
32	7301147	1	Bracket, Buzzer
33	8270627	1	Alarm, Buzzer, 12V
34	8223054	1	Switch, Park Brake
35	8223081	1	Switch, ECM Indicator
36	8223071	1	Switch, Transmission Disconnect

ITEM	PART NO.	QTY.	DESCRIPTION
37	8223049	1	Selector, Transmission Control (Includes Attaching Hardware)
38	8220360	1	Panel, Dash

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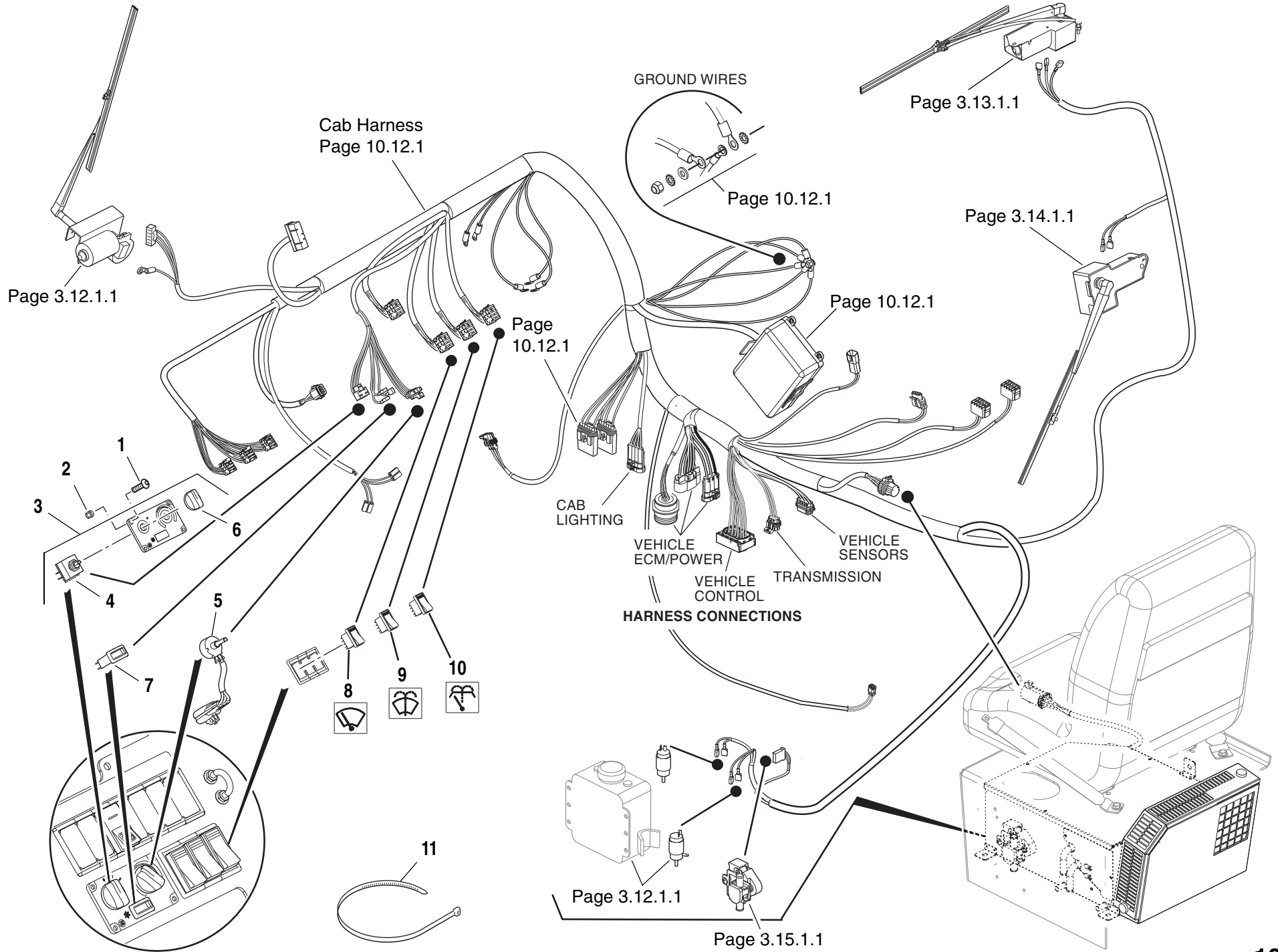
Origin
6/03

MMV

Tier 1
Tier 2

ELECTRICAL COMPONENTS - CAB

10.12.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8310358	4	BHCS #10-32 NC
2	8310392	4	Nut, Hex Lock, Elastic #10-32
3	7301260	1	Panel, Heater Control (Includes Items 4 thru 6)
4	8036463	1	Switch, Blower Control
5	8036603	1	Switch, Temperture Control
6	8036438	2	Knob, Positioning
7	7301265	1	Switch, Air Conditioning Rocker
8	8223043	1	Switch, Windshield Wiper
9	8223044	1	Switch, Windshield Washer
10	8223040	1	Switch, Roof Wiper/Washer
11	8584001	A/R	Tie, Plastic Cable .19 W x 6.7 L

Origin
6/03

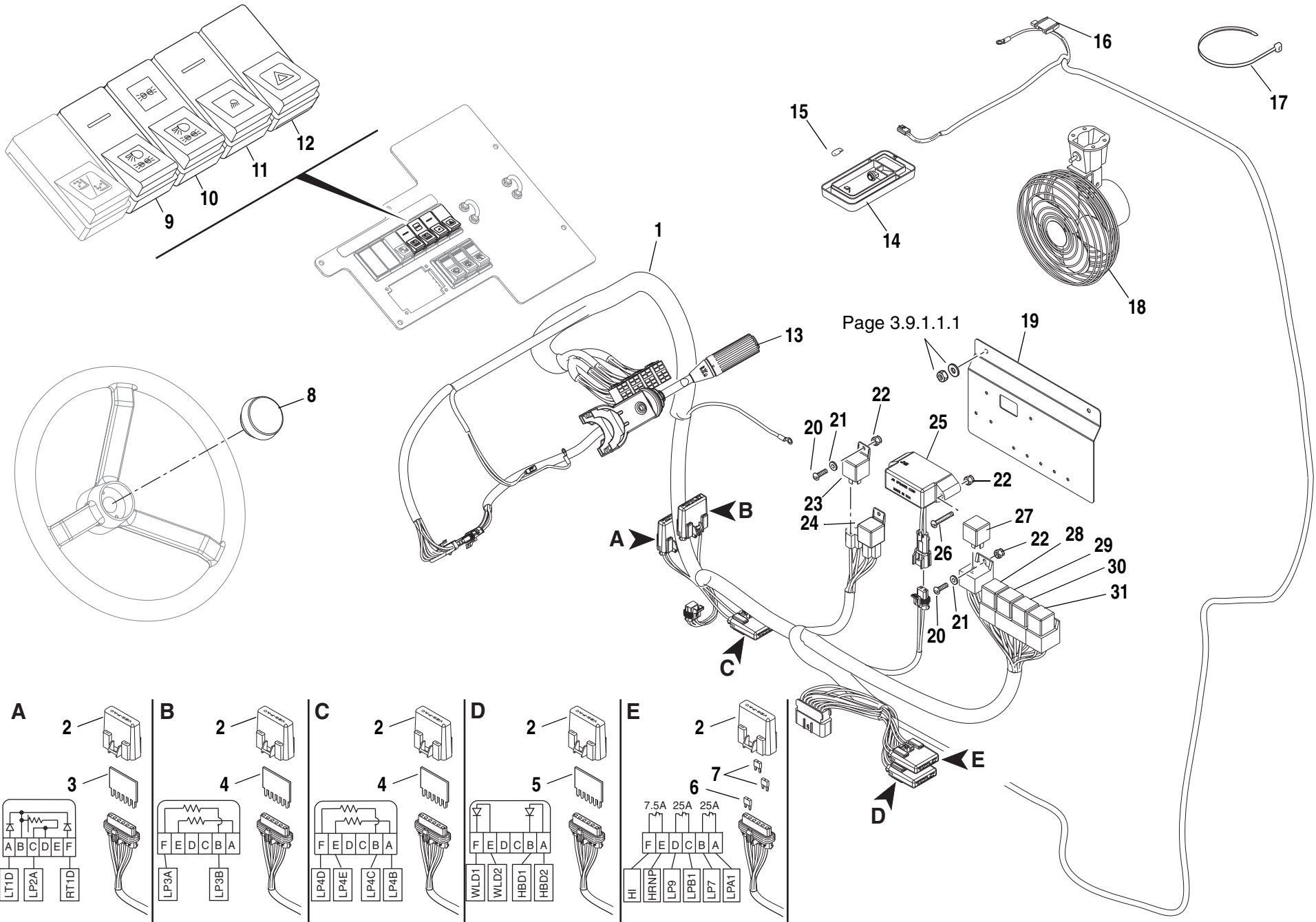
S/N MV201 –

MMV

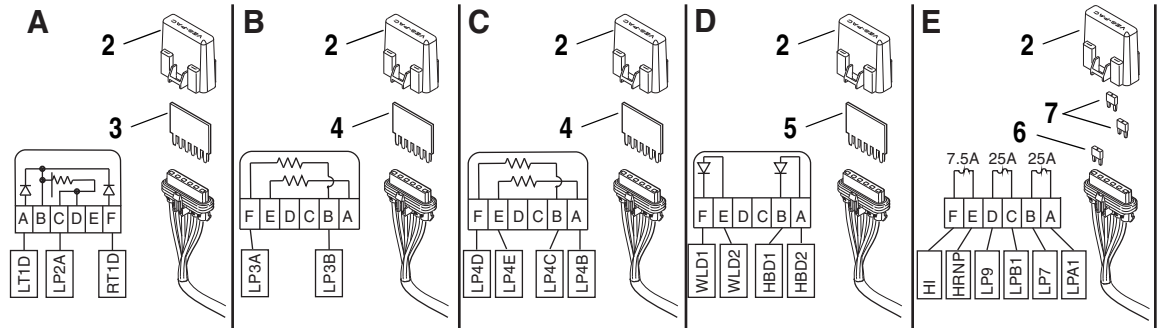
Tier 1
Tier 2

ELECTRICAL COMPONENTS - CAB WIPERS

10.13.1



Page 3.9.1.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623793	1	Cab Lighting Harness (Includes Items 2 thru 7)
2	8220357	5	Cover, Clear Ves-Pac
3	8220365	1	Diode/Resistor Board
4	8220367	2	Resistor Board
5	8220356	1	Diode Board
6	8229243	1	Fuse, Mini, 7.5 Amp
7	8229247	2	Fuse, Mini, 25 Amp
8	7138878	1	Cap w/Horn Button
9	8223064	1	Switch, Blackout Activity
10	8223065	1	Switch, Marker/Drive Blackout
11	8223066	1	Switch, 24V Worklight
12	8223067	1	Switch, 24V Hazard
13	7150742	1	Lever, Turn Signal (Includes Attaching Hardware)
14	8036437	1	Light, Dome (Includes Item 15)
15	8036442	1	Bulb
16	8584018	1	Mount, Cable Tie
17	8584001	A/R	Tie, Plastic Cable .19W x 6.7"LG
18	6623815	1	Fan, 24V Personal (w/Hardware)
19	6623795	1	Bracket, Cab Relay Mounting
20	8310362	7	BHCS, #10-24 x 1/2"
21	8307111	7	Washer, Plain #10
22	8310085	9	Nut, Hex Lock Elastic #10-24
23	8225114	1	Relay, 24V, SPDT w/Bracket - Worklight Power
24	8225114	1	Relay, 24V, SPDT w/Bracket - High Beam Power
25	8500204	1	Flasher, Module, 12-48 VDC Solid State
26	8303920	2	SPHCS, #10-24 x 1-3/4"
27	8225119	1	Relay, 12V Sealed, High Inrush w/Resistor - Brake Light
28	8225119	1	Relay, 12V Sealed, High Inrush w/Resistor - Light Power
29	8225119	1	Relay, 12V Sealed, High Inrush w/Resistor - Blackout Ignition
30	8225119	1	Relay, 12V Sealed, High Inrush w/Resistor - Normal Lights Ignition
31	8225119	1	Relay, 12V Sealed, High Inrush w/Resistor - Reverse Signal

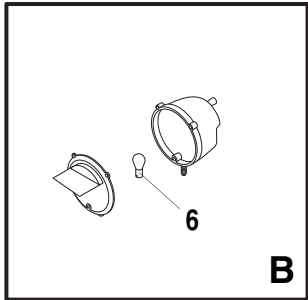
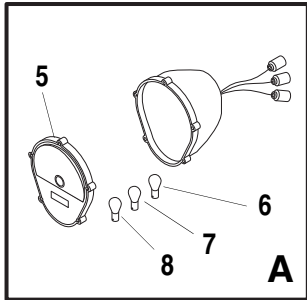
S/N MV201 -

MMV

Tier 1
Tier 2

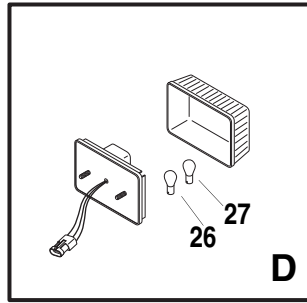
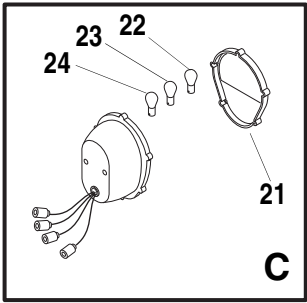
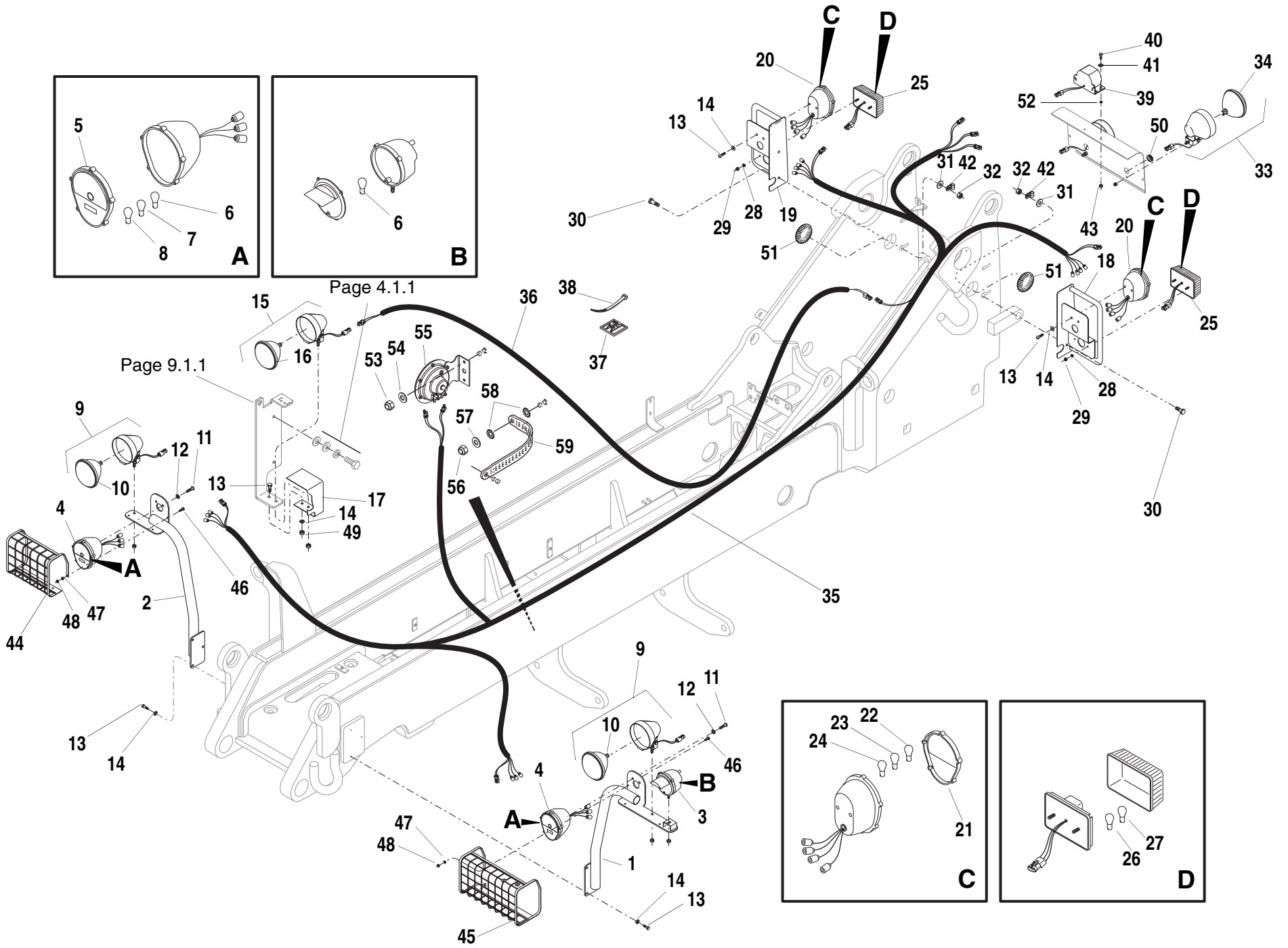
ELECTRICAL COMPONENTS - CAB LIGHTING

10.14.1



Page 4.1.1

Page 9.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623442	1	Light Bracket Assembly, <u>Left Front</u>
2	6623445	1	Light Bracket Assembly, <u>Right Front</u>
3	8500037	1	Blackout Headlight Assembly (See "B" for breakdown) (Includes Item 6 and Mounting Hardware)
4	8500039	2	Blackout Marker Assembly, Front (See "A" for breakdown) (Includes Items 5 thru 8)
5	8501042	1	Lens w/Door
6	8469020	1	Bulb 28V / 1.02A
7	8469021	1	Bulb 28V / .37A
8	8469022	1	Bulb 28V / .23A
9	8500064	2	Headlamp Assembly (Includes Item 10 and Mounting Hardware)
10	8036324	1	Sealed Beam 28V / 60-80W
11	8303681	4	HHCS 3/8-16 x 3/4"
12	8307005	4	Washer, Lock 3/8"
13	8303681	11	HHCS 3/8-16 x 3/4"
14	8307005	11	Washer, Lock 3/8"
15	8500065	1	Worklight (Includes Item 16 and Mounting Hardware)
16	8036325	1	Sealed Beam 28V / 60W
17	6623601	1	Guard, Boom Light
18	6623448	1	Light Bracket, <u>Left Rear</u>
19	6623453	1	Light Bracket, <u>Right Rear</u>
20	8500038	2	Tail Light Assembly, Blackout Stop (Includes Items 21 thru 24) (See "C" for breakdown)
21	8501037	1	Lens w/Door
22	8469020	1	Bulb 28V / 1.02A
23	8469021	1	Bulb 28V / .37A
24	8469022	1	Bulb 28V / .23A
25	8500063	2	Tail Light (See "D" for breakdown) (Includes Items 26 and 27)
26	8036326	1	Bulb 24V - 21/5W
27	8036327	1	Bulb 24V - 21W
28	8310078	4	Washer, Lock M5

ITEM	PART NO.	QTY.	DESCRIPTION
29	8310188	4	Nut-Hex, M5
30	8303771	4	HHCS 3/8-16 x 2-1/4"
31	8307204	4	Washer, Plain 3/8"
32	8305645	4	Nut-Lock Elastic 3/8"-16
33	8500065	2	Worklight (Includes Item 34)
34	8036325	1	Sealed Beam 28V / 60W
35	6623794	1	Harness, Lighting
36	6623468	1	Harness Boom Worklight
37	8584018	8	Mount, Tie
38	8584001	16	Tie Wrap
39	8270615	1	Alarm, Backup
40	8303697	2	HHCS, 5/16-18 x 3/4" Gr. 5
41	8307106	2	Washer, Flat 5/16" Narrow
42	8406105	2	Clip, Tube 3/4"
43	8305006	2	Nut, Hex 5/16"-18
44	6623607	1	Guard, Light RH
45	6623608	1	Guard, Light LH
46	8303005	6	HHCS, 1/4-20 x 7/8"
47	8307002	6	Washer, Lock, 1/4"
48	8305004	6	Nut, Hex 1/4"-20
49	8305008	1	Nut, Hex, 3/8"-16
50	8580228	2	Grommet, Rubber
51	7139249	A/R	Conduit, 1" Dia. (60" Cut to Fit)
52	8307004	2	Washer, Lock, 5/16"
53	8310085	1	Nut, Hex, Lock Elastic #10-24 NC
54	8307111	1	Washer, Plain #10
55	8270623	1	Horn
56	8305654	2	Nut, Hex Lock Elastic, M8
57	8307222	2	Washer, Plain M8
58	8310647	4	Washer, Lock, External Tooth M8
59	6611172	1	Ground Strap

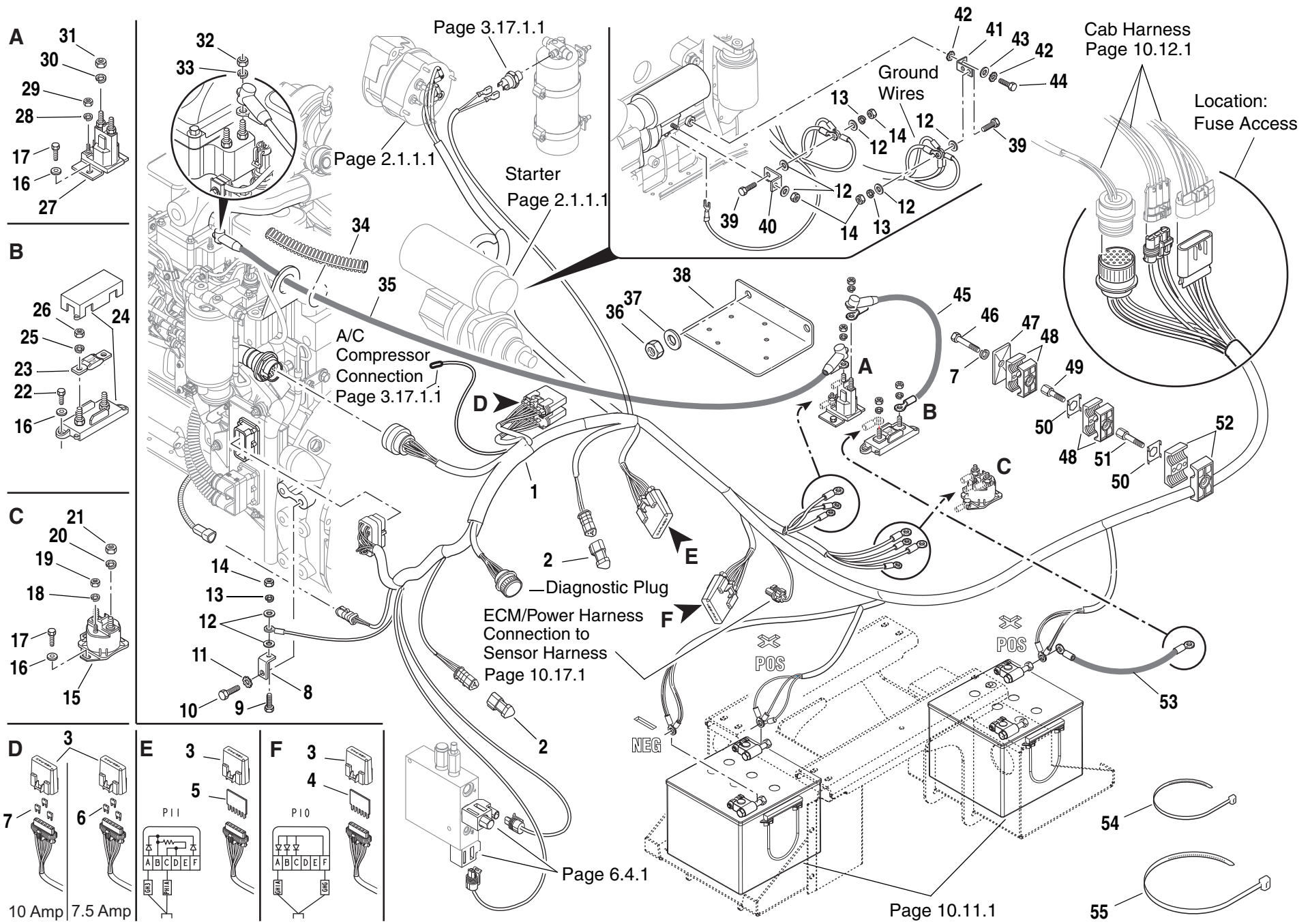
S/N MV201 -

Origin
6/03

MMV

Tier 1
Tier 2

ELECTRICAL COMPONENTS - VEHICLE LIGHTING, BACKUP ALARM & HORN 10.15.1



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	6623807	1	Harness, ECM Vehicle Power (S/N 201 and After) (Includes Items 2 thru 7)	35	6623876	1	Cable, Grid Heater, Relay to Grid Heater
2	8220553	2	Resistor	36	8305008	2	Nut, Hex 3/8"-16 NC
3	8220357	4	Cover, Clear Ves-Pac	37	8307110	2	Washer, 3/8" Narrow
4	8220366	1	Circuit Board, ECM Diode	38	6623810	1	Bracket, Relay Mounting
5	8220365	1	Circuit Board, Diode/Resistor	39	8303777	2	HHCS M10x1.5-35mm PC8.8
6	8229243	3	Fuse, Mini, 7.5 Amp	40	6621412	1	Terminal, Starter, 90°
7	8229264	3	Fuse, Mini, 10 Amp	41	7300344	1	Bus Bar, Negative Starter
8	7301529	1	Buss Bar, 90 Deg.	42	8310650	2	Washer, Lock, External Tooth M12
9	8303798	1	HHCS, M10 x 1.5 x 25mm PC8.8	43	8307220	1	Washer, Plain M12-13.00-24 2.50
10	8303533	1	HHCS, M12 x 1.75 x 20mm PC8.8	44	8303533	1	HHCS M12x1.75 20mm PC8.8
11	8310650	1	Washer, External Tooth Lock, M12	45	7301448	2	Cable, Grid Heater, Fuse to Relay
12	8307221	7	Washer, Plain, M10	46	8310009	1	HHCS, 5/16"-18 NC x 2.00 GR5
13	8307023	3	Washer, Lock, M10	47	8769128	1	Plate, Twin Cover
14	8305038	4	Nut, Hex, M10 x 1.5	48	8750027	2	Clamp Set, .84" Dia Twin
15	10167789	1	Relay, 3 Post	49	8750012	1	Bolt Stacking
16	8307219	6	Washer, Plain, M6	50	8750017	2	Plate, Locking
17	8303545	4	HHCS M6 x 1-16mm PC8.8	51	8750026	1	Bolt Stacking
18	8307003	1	Washer, Lock, #10	52	8750022	2	Clamp Set, 1.26" Dia Twin
19	8305003	1	Nut, Hex #10-32 NF	53	7301449	1	Cable, Grid Heater, Battery to Fuse
20	8307004	3	Washer, Lock, 5/16" Spring	54	8584001	A/R	Tie, Plastic Cable .19W x 6.7"LG
21	8305006	2	Nut, Hex 5/16"-18 NC	55	8584003	A/R	Tie, Plastic Cable .30W x 14.8"LG
22	8303544	2	HHCS, M6 x 1 x 20mm PC8.8				
23	8229259	1	Fuse, 125A, Mega Bolt On				
24	8229260	1	Fuseblock, Mega (Includes Items 25 and 26)				
25	N.S.S.	2	Washer, Lock, M8				
26	N.S.S.	2	Nut, Hex M8				
27	6623811	1	Relay, 4 Post (Includes Items 28 thru 31)				
28	8307003	2	Washer, Lock, #10				
29	8305003	2	Nut, Hex #10-32 NF				
30	N.S.S.	2	Washer, Lock, 5/16"				
31	N.S.S.	2	Nut, Hex, 5/16"-24 UNF				
32	N.L.A.	1	Nut, Hex Lock, M6 x 1.00 (Available through Cummins)				
33	N.L.A.	1	Washer, External Tooth Lock, M6 (Available through Cummins)				
34	7125861	1	Conduit, .75 ID x 60" LG (Cut to Fit)				

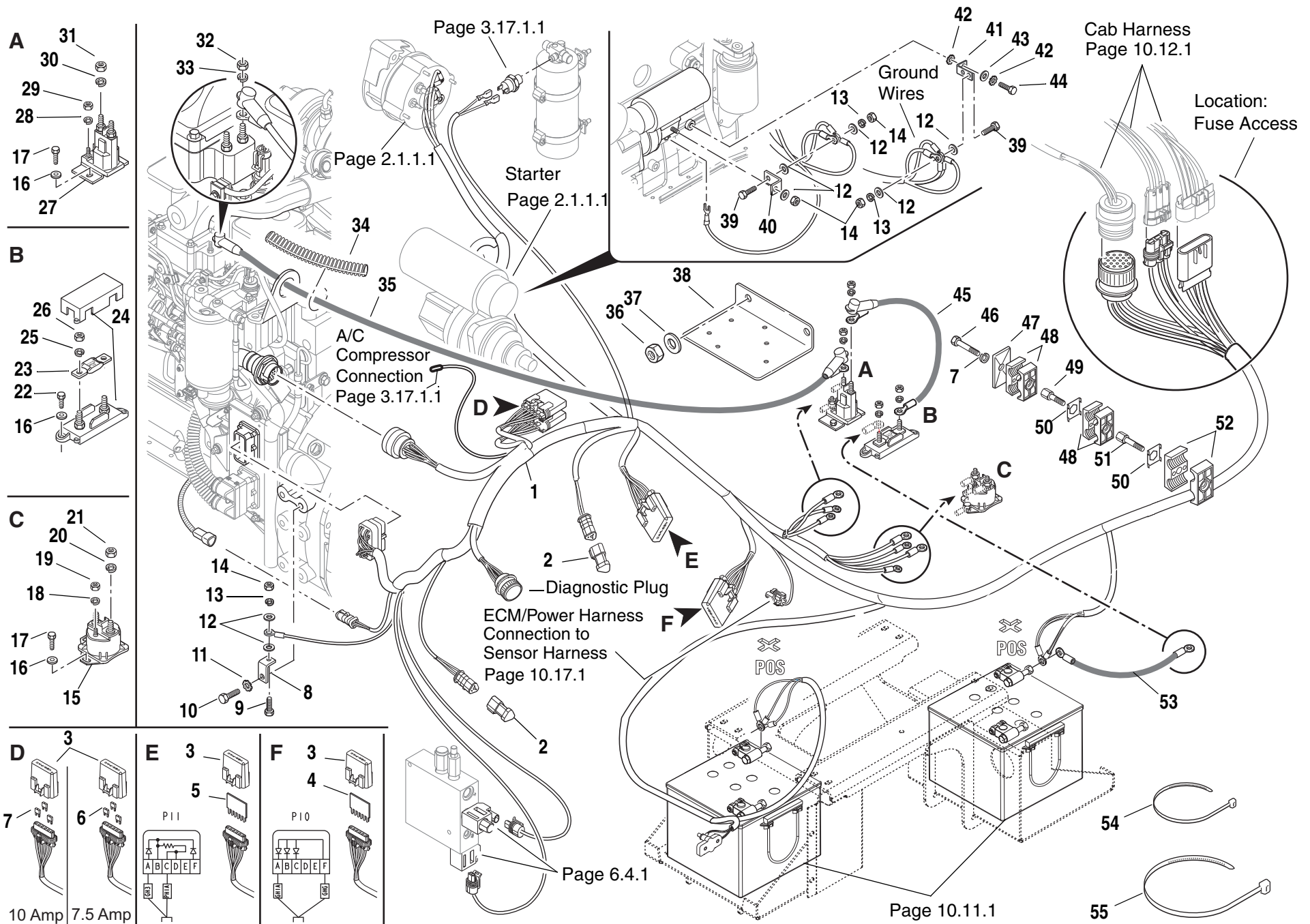
S/N MV201-MV1209

MMV

Tier 1
Tier 2

ELECTRICAL COMPONENTS - VEHICLE ECM / POWER

10.16.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623807	1	Harness, ECM Vehicle Power (S/N 201 and After) (Includes Items 2 thru 7)
2	8220553	2	Resistor
3	8220357	4	Cover, Clear Ves-Pac
4	8220366	1	Circuit Board, ECM Diode
5	8220365	1	Circuit Board, Diode/Resistor
6	8229243	3	Fuse, Mini, 7.5 Amp
7	8229264	3	Fuse, Mini, 10 Amp
8	7301529	1	Buss Bar, 90 Deg.
9	8303798	1	HHCS, M10 x 1.5 x 25mm PC8.8
10	8303533	1	HHCS, M12 x 1.75 x 20mm PC8.8
11	8310650	1	Washer, External Tooth Lock, M12
12	8307221	7	Washer, Plain, M10
13	8307023	3	Washer, Lock, M10
14	8305038	4	Nut, Hex, M10 x 1.5
15	10167789	1	Relay, 3 Post
16	8307219	6	Washer, Plain, M6
17	8303545	4	HHCS M6 x 1-16mm PC8.8
18	8307003	1	Washer, Lock, #10
19	8305003	1	Nut, Hex #10-32 NF
20	8307004	3	Washer, Lock, 5/16" Spring
21	8305006	2	Nut, Hex 5/16"-18 NC
22	8303544	2	HHCS, M6 x 1 x 20mm PC8.8
23	8229259	1	Fuse, 125A, Mega Bolt On
24	8229260	1	Fuseblock, Mega (Includes Items 25 and 26)
25	N.S.S.	2	Washer, Lock, M8
26	N.S.S.	2	Nut, Hex M8
27	6623811	1	Relay, 4 Post (Includes Items 28 thru 31)
28	8307003	2	Washer, Lock, #10
29	8305003	2	Nut, Hex #10-32 NF
30	N.S.S.	2	Washer, Lock, 5/16"
31	N.S.S.	2	Nut, Hex, 5/16"-24 UNF
32	N.L.A.	1	Nut, Hex Lock, M6 x 1.00 (Available through Cummins)
33	N.L.A.	1	Washer, External Tooth Lock, M6 (Available through Cummins)
34	7125861	1	Conduit, .75 ID x 60" LG (Cut to Fit)

ITEM	PART NO.	QTY.	DESCRIPTION
35	6623876	1	Cable, Grid Heater, Relay to Grid Heater
36	8305008	2	Nut, Hex 3/8"-16 NC
37	8307110	2	Washer, 3/8" Narrow
38	6623810	1	Bracket, Relay Mounting
39	8303777	2	HHCS M10x1.5-35mm PC8.8
40	6621412	1	Terminal, Starter, 90°
41	7300344	1	Bus Bar, Negative Starter
42	8310650	2	Washer, Lock, External Tooth M12
43	8307220	1	Washer, Plain M12-13.00-24 2.50
44	8303533	1	HHCS M12x1.75 20mm PC8.8
45	7301448	2	Cable, Grid Heater, Fuse to Relay
46	8310009	1	HHCS, 5/16"-18 NC x 2.00 GR5
47	8769128	1	Plate, Twin Cover
48	8750027	2	Clamp Set, .84" Dia Twin
49	8750012	1	Bolt Stacking
50	8750017	2	Plate, Locking
51	8750026	1	Bolt Stacking
52	8750022	2	Clamp Set, 1.26" Dia Twin
53	7301449	1	Cable, Grid Heater, Battery to Fuse
54	8584001	A/R	Tie, Plastic Cable .19W x 6.7"LG
55	8584003	A/R	Tie, Plastic Cable .30W x 14.8"LG

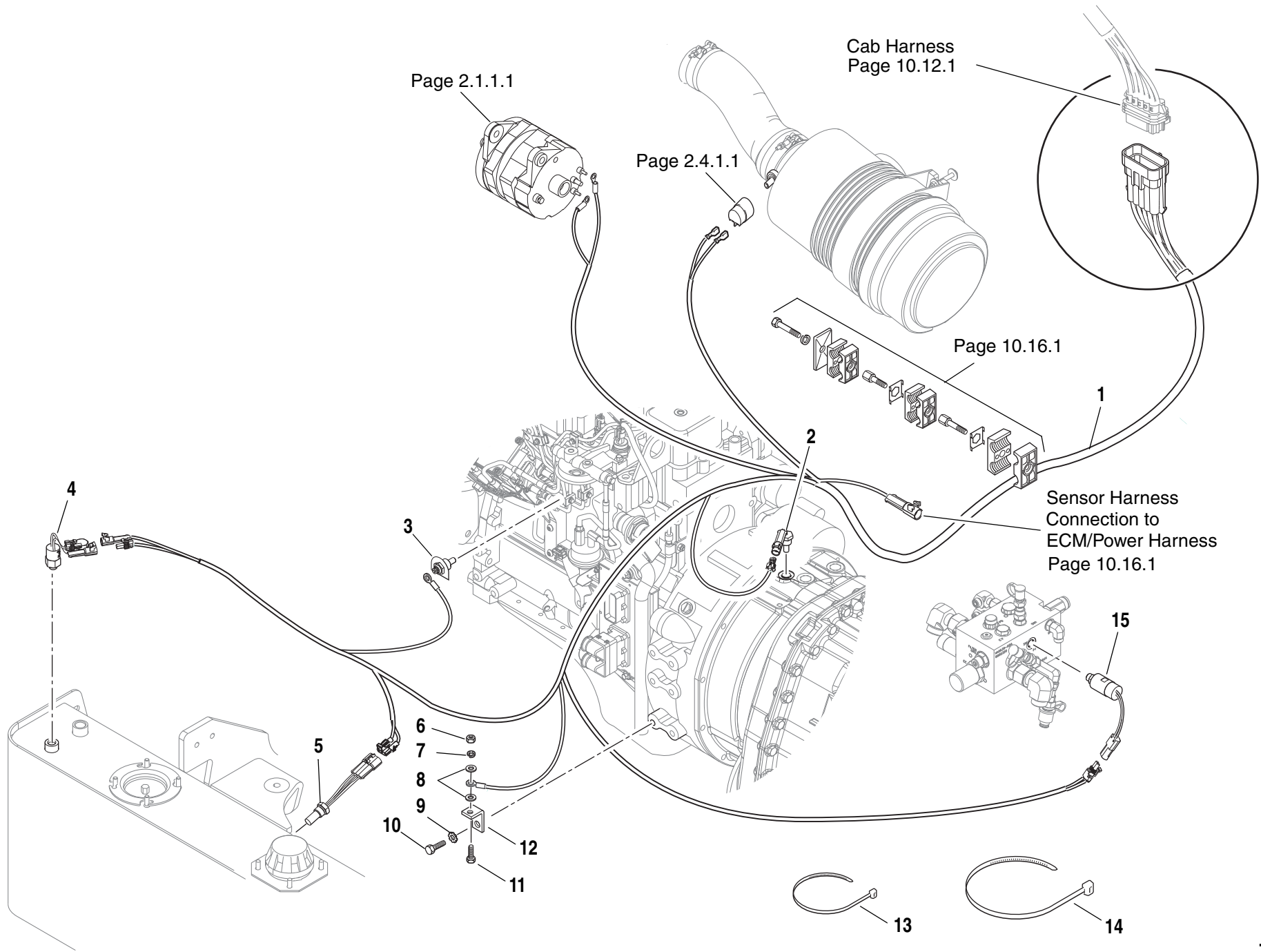
Origin
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Tier 1
Tier 2

ELECTRICAL COMPONENTS - VEHICLE ECM / POWER 10.16.1.1



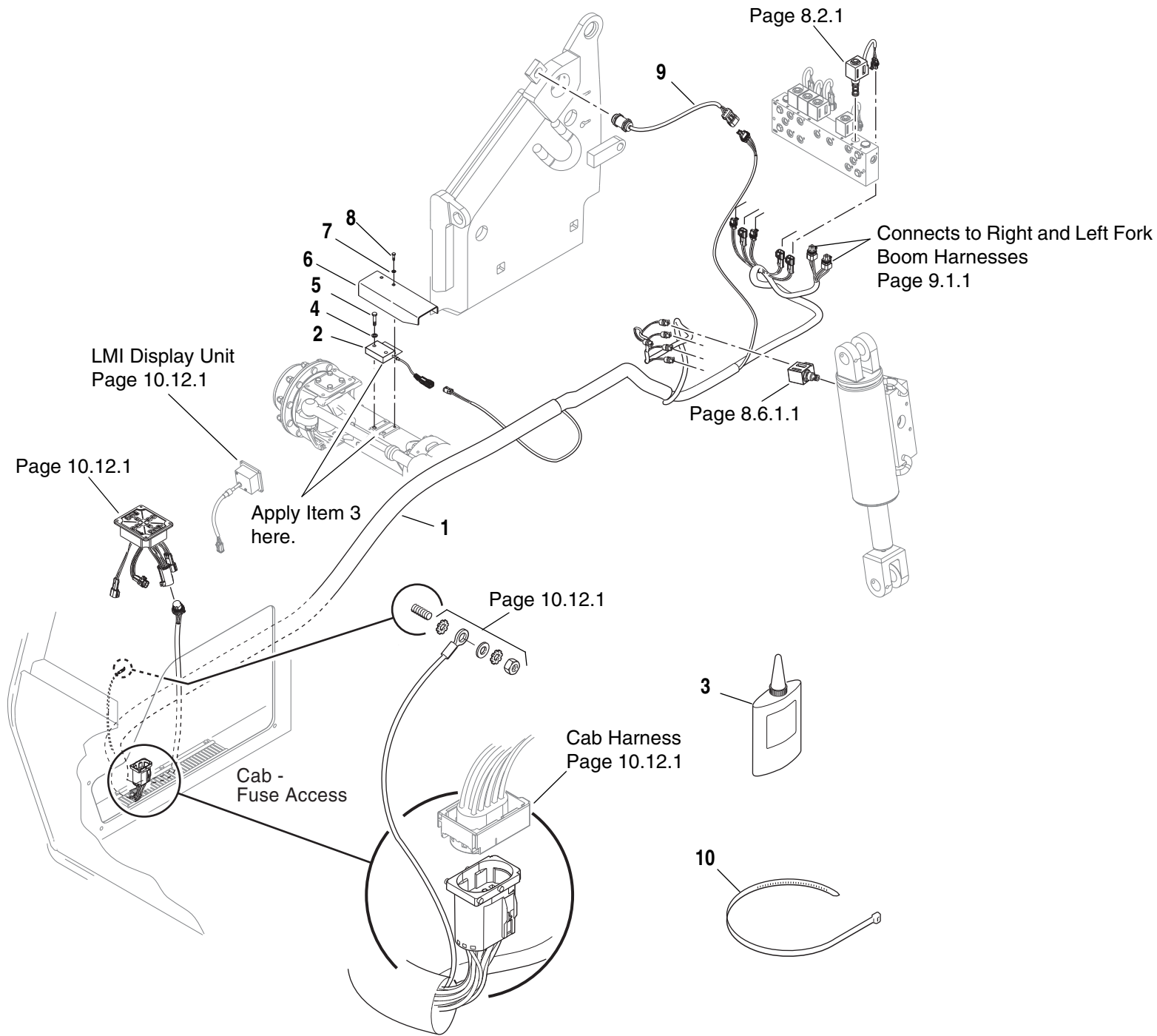
ITEM	PART NO.	QTY.	DESCRIPTION
1	6623808	1	Harness, Vehicle Sensor
2	8223232	1	Switch, Transmission Temperature
3	8223246	1	Sender, Water Temperature
4	8223526	1	Switch, Hydraulic Oil Filter Pressure
5	8223247	1	Switch, Dual Hydraulic Temperature
6	8305038	1	Nut, Hex, M10 x 1.5
7	8307023	1	Washer, Lock, M10
8	8307221	2	Washer, Plain, M10
9	8310650	1	Washer, External Tooth Lock, M12
10	8303533	1	HHCS, M12 x 1.75 x 20mm PC8.8
11	8303798	1	HHCS, M10 x 1.5 x 25mm PC8.8
12	7301529	1	Buss Bar, 90 Deg.
13	8584001	A/R	Tie, Plastic Cable .19W x 6.7"LG
14	8584003	A/R	Tie, Plastic Cable .30W x 14.8"LG
15	8223241	1	Switch, Brake Pressure

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MMV

Tier 1
Tier 2

S/N MV201 –



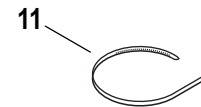
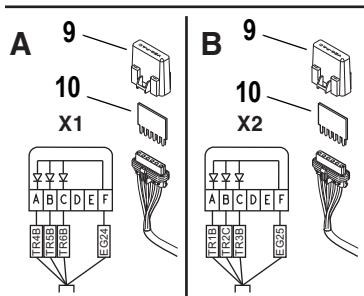
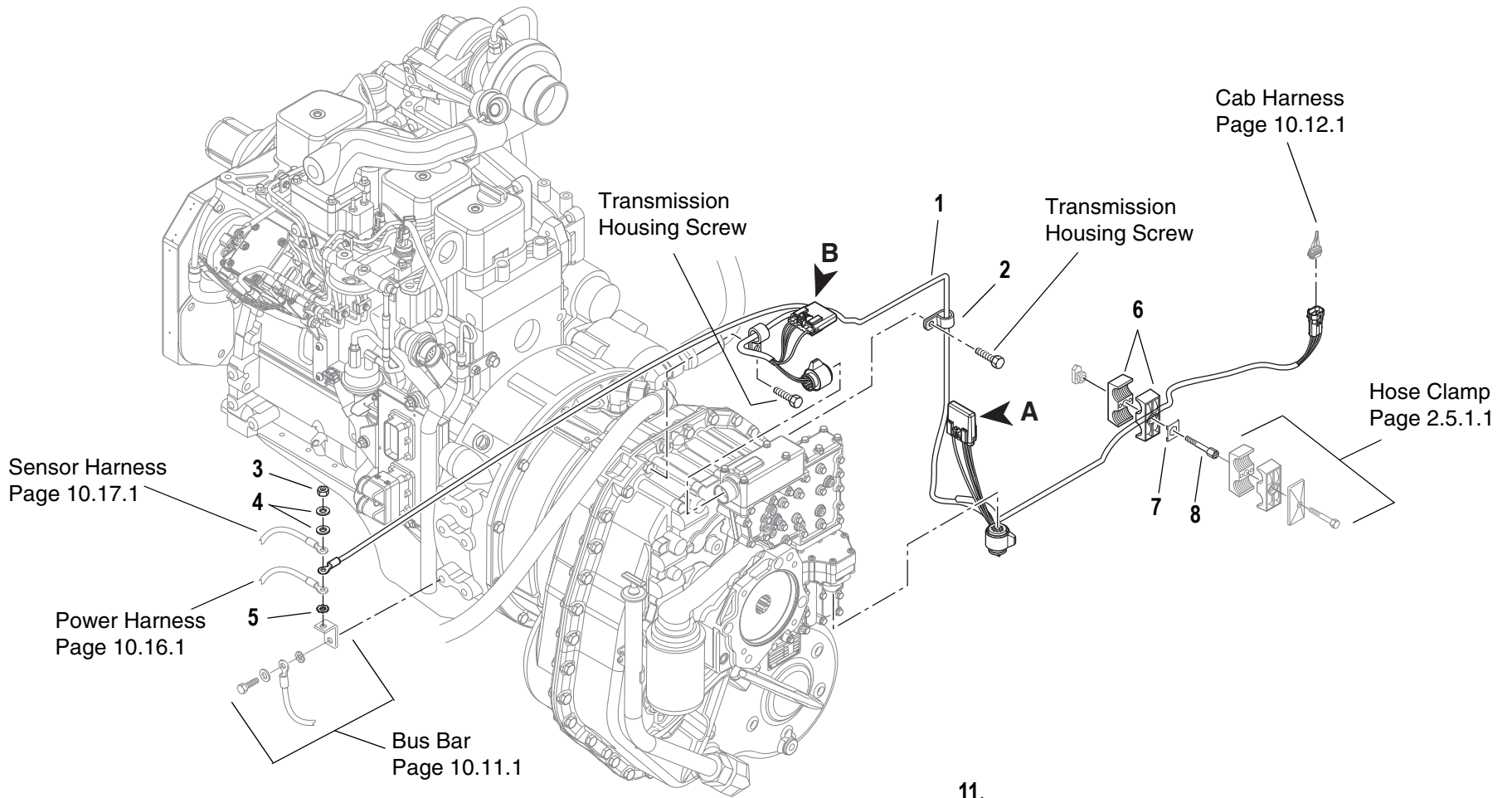
ITEM	PART NO.	QTY.	DESCRIPTION
1	6623804	1	Harness, Vehicle Control
2	8466312	1	Transducer, LMI Sensor
3	8526059	1	Retaining Compound, Loctite 638, 250 ml. (Bottle)
4	8307023	2	Washer, Lock M10
5	8310534	2	HHCS, M10-1.5 x 40mm PC10.9
6	6623553	1	Cover, LMI Sensor
7	8307022	2	Washer, Lock, M8
8	8310293	2	HHCS, M8-1.25 x 50mm PC8.8
9	8223237	1	Switch, Boom Angle Proximity
10	8584001	A/R	Tie, Plastic Cable .19 x 6.7"

Origin
6/03

MMV

S/N MV201 –

Tier 1
Tier 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623806	1	Harness, Transmission
2	8406105	2	Clip, Tube, 3/4"
3	8305038	1	Nut, Hex
4	8307221	2	Washer, Plain
5	8307023	1	Washer, Lock
6	8750022	1	Clamp Set, 1.26" Dia Twin
7	8750017	1	Plate, Locking
8	8750026	1	Bolt, Stacking
9	8220366	2	Diode Board
10	8220357	2	Cover, Clear Ves-Pac
11	8584001	A/R	Tie, Plastic Cable .19 W x 6.7 L

Origin
6/03

MMV

Tier 1
Tier 2

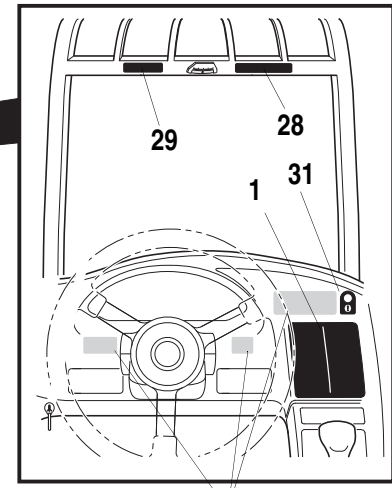
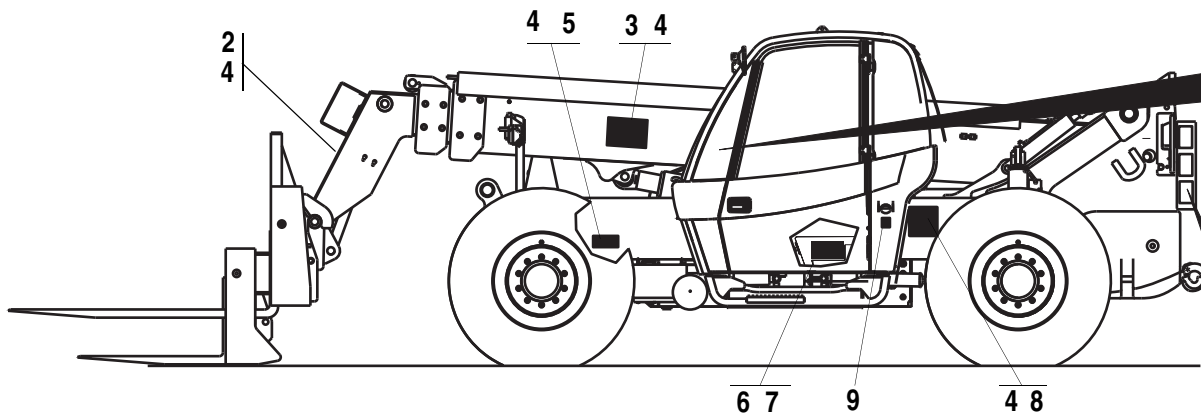
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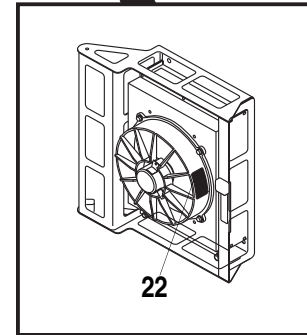
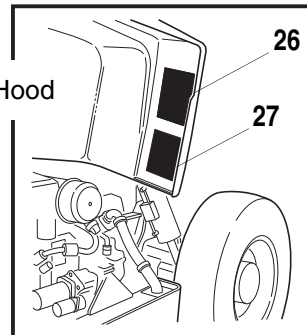
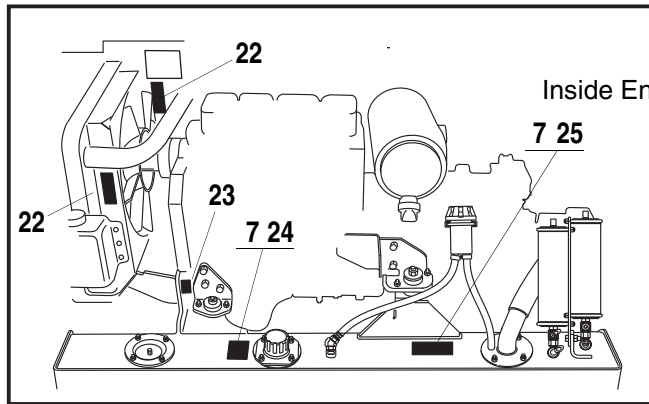
Origin 12/01

Section 11 — Decals and Common Supplies

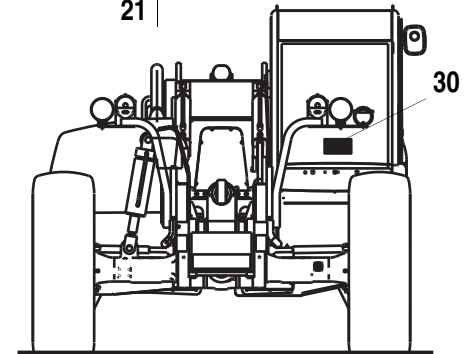
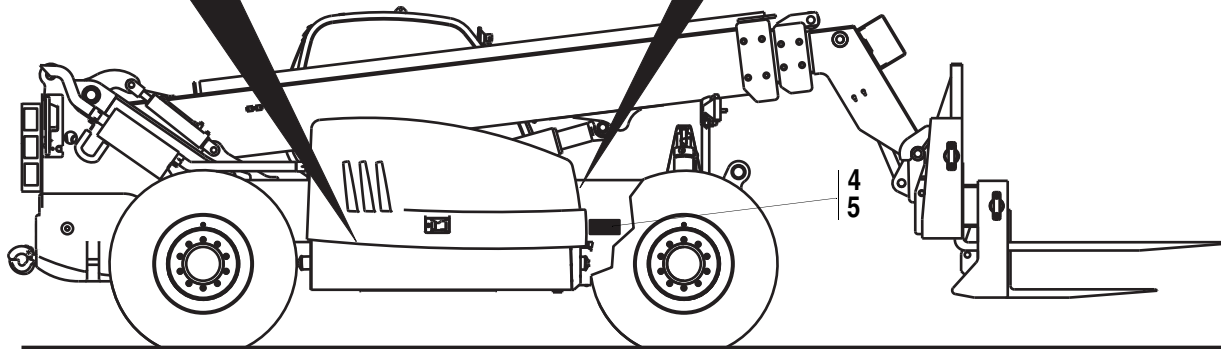
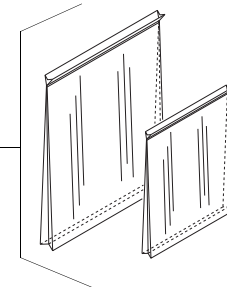
Decals and Manuals	11.1.1
Filters Paint and Common Supplies	11.2.1



These Decals are part of Dash Panel. See Page 3.9.1



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ITEM	PART NO.	QTY.	DESCRIPTION
1	6623603	1	Booklet, Load Chart
2	4110304	1	Plate, Carrying Personnel
3	4110305	1	Plate, Boom Angle Indicator
4	8309030	A/R	Tack, Metal
5	4110303	2	Plate, Battery Hazard
6	4110307	1	Plate, Machine Identification
7	8310176	A/R	Tack, Metal
8	4110306	1	Plate, Shipping Data
9	4105171	1	Decal, Diesel Fuel Fill
10	8581026	1	Poly Bag, Zipper, 8" x 10" - 4 Mil
11	8581034	1	Poly Bag, Zipper, 12" x 15" - 4 Mil
12	8990439	1	Manual, Owners/Operators
13	8990441	1	Manual, Parts
14	8990113	1	Manual, Safety
15	8990440	1	Manual, Service
16	8990418	1	Manual, ZF Transmission Repair
17	8990419	1	Manual, ZF Rear Axle Repair
18	8990430	1	Manual, ZF Front Axle Repair
19	8990423	1	Manual, ZF Transfer Case Repair
20	8990450	1	Manual, ZF Transmission Technical Data and Maintenance
21	8990456	1	Laminate, Hydraulic Test
22	4110184	3	Decal, Fan Warning
23	4107901	1	Decal, Engine Idle Setting
24	4110301	1	Plate, Hydraulic Oil Fill
25	4108302	1	Plate, Hydraulic Oil Level
26	4110308	1	Decal, Lubrication Chart
27	4110313	1	Decal, Maintenance Chart
28	4110137	1	Decal, Tip Over Hazard
29	4108991	1	Decal, Electrocutation Hazard
30	4109791	1	Decal, Emergency Exit
31	4110334	1	Decal, Low Brake Pressure

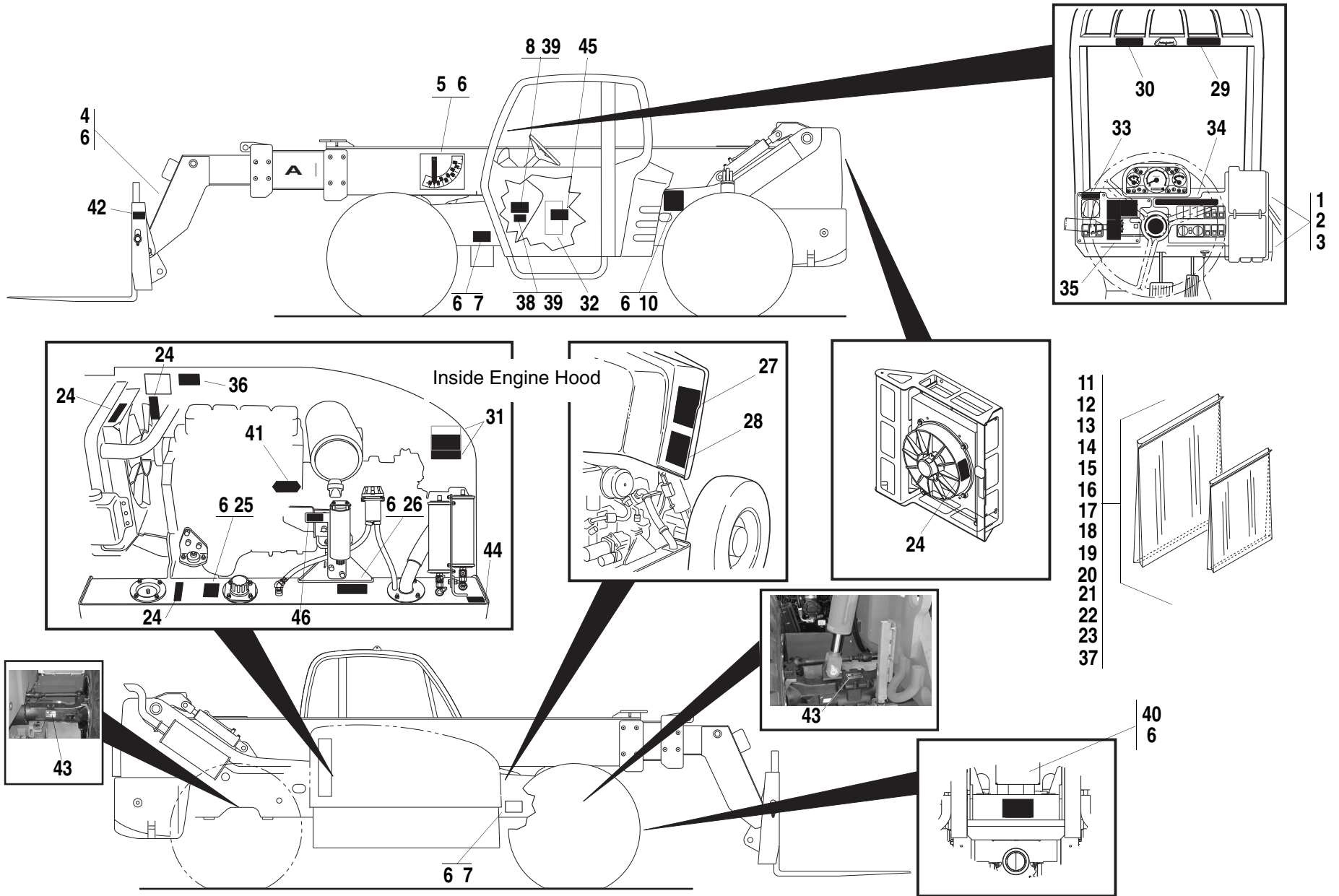
S/N MV006 – MV200

MMV

Tier 1
Tier 2

DECALS AND MANUALS

11.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	6623762	1	Booklet, Load Chart Std.
2	6623944	1	Booklet, Load Chart for 60 psi Tire Pressure
3	6623997	1	Booklet, Load Chart for 45 psi Tire Pressure
4	4110304	1	Plate, Carrying Personnel
5	4110305	1	Plate, Boom Angle Indicator
6	2080075	32	Fastener, Amtack 4139
7	4110303	2	Plate, Battery Hazard
8	Not Available	Ref	Plate, Machine Identification
9	8526042	A/R	Adhesive (apply to all data plates)
10	4110306	1	Plate, Shipping Data
11	8581026	1	Poly Bag, Zipper, 8" x 10" - 4 Mil
12	8581034	1	Poly Bag, Zipper, 12" x 15" - 4 Mil
13	8990504	1	Manual, Owners/Operators
14	8990441	1	Manual, Parts
15	8990113	1	Manual, Safety
16	8990505	1	Manual, Service
17	8990497	1	Manual, Cummins
18	8990418	1	Manual, ZF Transmission Repair
19	8990419	1	Manual, ZF Rear Axle Repair
20	8990430	1	Manual, ZF Front Axle Repair
21	8990423	1	Manual, ZF Transfer Case Repair
22	8990450	1	Manual, ZF Transmission Technical Data and Maintenance
23	8990519	1	Laminate, Hydraulic Testing MMV2
24	4110184	4	Decal, Fan Warning
25	4110301	1	Plate, Hydraulic Oil Fill
26	4110302	1	Plate, Hydraulic Oil Level
27	4110308	1	Decal, Lubrication Chart
28	4110464	1	Decal, Maintenance Chart
29	4110137	1	Decal, Tip Over Hazard
30	4108991	1	Decal, Electrocutation Hazard
31	4110463	2	Decal, Ether Start Warning
32	4110462	1	Decal, Fuse Location (back side of cover)
33	4110359	1	Decal, Steer Mode Indicator
34	4110361	1	Decal, Safety Instructions
35	4110358	1	Decal, Warning and Danger
36	4110468	1	Decal, Coolant Filling Caution

ITEM	PART NO.	QTY.	DESCRIPTION
37	8990518	1	MMV Operator, Parts and Service Manuals on CD
38	Not Available	Ref	Plate, Universal Identification
39	8302531	8	Rivet, Pop, .125 Dia.
40	Not Available	Ref	Plate, MMV Serial Number
41	Not Available	Ref	Plate, Universal Identification, Engine Plate, Universal Identification
42	Not Available	Ref	Plate, Universal Identification, 7K Carriage Plate, Universal Identification, 11K Carriage
43	Not Available	Ref	Plate, Universal Identification, Front Axle Plate, Universal Identification, Rear Axle
44	1001121649	1	Decal, Slave 24V DC, (S/N MV1210 and after)
45	1001112065	1	Decal, Government Ground Support (front side of cover)
46	6610002	1	Plate, Engine Oil Sample

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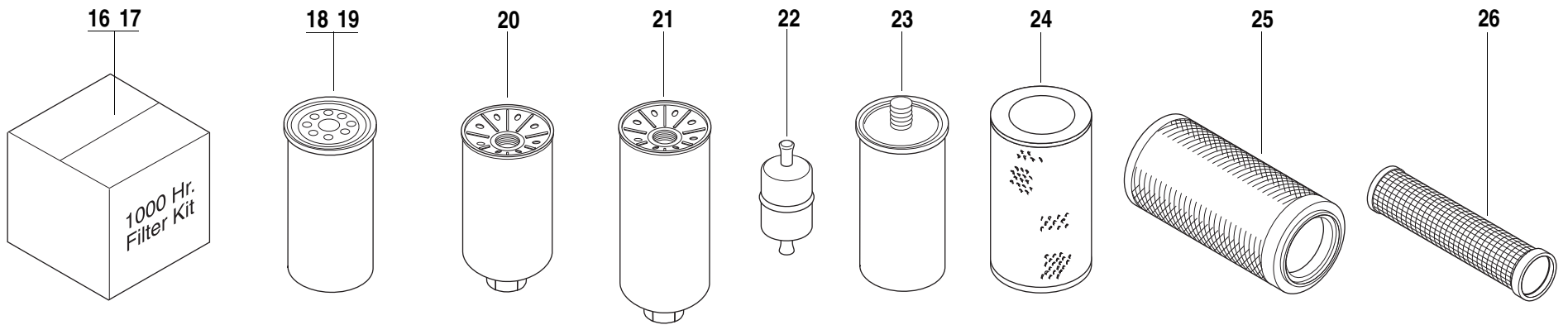
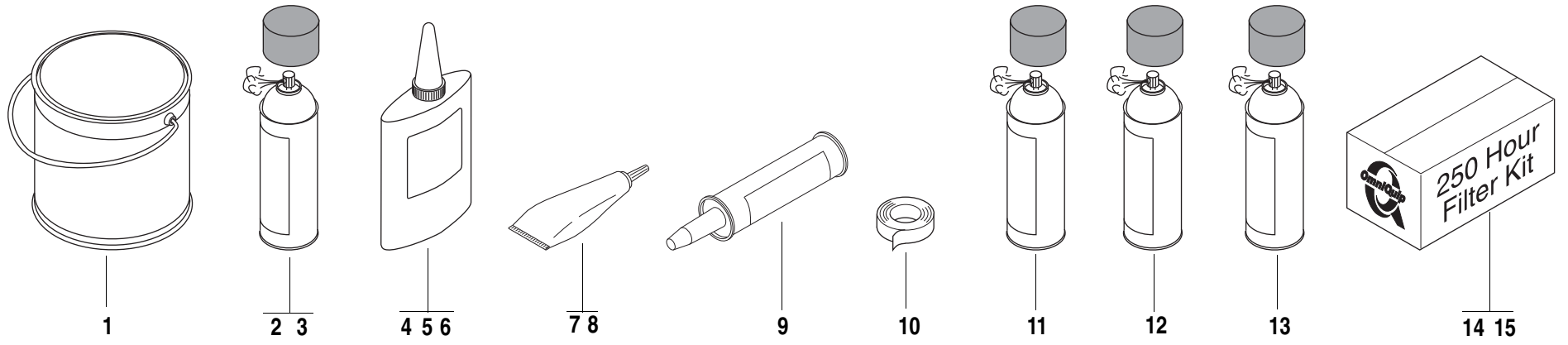
S/N MV201 –

MMV

Tier 1
Tier 2

DECALS AND MANUALS

11.1.1.1



ITEM	PART NO.	QTY.	DESCRIPTION
1	8528027	A/R	Paint, Green (CARC), Acrylic Enamel, Gallon (Service Repaint)
2	8528101	A/R	Paint, Black, Semi-gloss, 16 Oz Spray Can
3	8528044	A/R	Paint, Black, High Temperature, 16 Oz Spray Can
4	8526007	A/R	Threadlocker, 242 Loctite, Removable, 250 ml Bottle
5	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
6	8526052	A/R	Threadlocker, 277 Loctite, High Strength/Large Bolt, 250 ml Bottle
7	8522012	A/R	Lube, Anti-Seize
8	8526415	A/R	Lubricant, Teflon
9	8035523	A/R	Sealant, Urethane, 10 Oz Cartridge
10	8526053	A/R	Tape, Thread Sealant
11	8526042	A/R	Adhesive, 16 Oz Spray Can
12	8526056	A/R	Gasket Eliminator, 518 Loctite
13	8526406	A/R	Varnish, Electrical Insulating, 16 Oz Spray Can
14	7138288	1	Filter Kit, 250 Hour (Includes Items 18 and 20) (S/N MV006 - MV200)
15	8024051	1	Filter Kit, 250 Hour (Includes Items 19 and 21) (S/N MV201 and After)
16	8024015	1	Filter Kit, 1000 Hour (Includes Items 18, 20 and 22 thru 26) (S/N MV006 - MV200)
17	8024052	1	Filter Kit, 1000 Hour (Includes Items 19 and 21 thru 26) (S/N MV201 and After)
18	8320262	1	Filter, Engine Oil (S/N MV006 - MV200)
19	8320275	1	Filter, Engine Oil (S/N MV201 and After)
20	8320270	1	Fuel Filter, Primary (S/N MV006 - MV200)
21	8320277	1	Fuel Filter, Primary Lubricity (S/N MV201 and After)
22	8274022	1	Fuel Filter, Inline Strainer
23	1319726	1	Filter, Transmission Oil
24	8320265	1	Filter, Hydraulic Oil
25	1101312	1	Air Filter, Primary
26	1101313	1	Air Filter, Safety Element

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MMV

Tier 1
Tier 2

FILTERS PAINT AND COMMON SUPPLIES

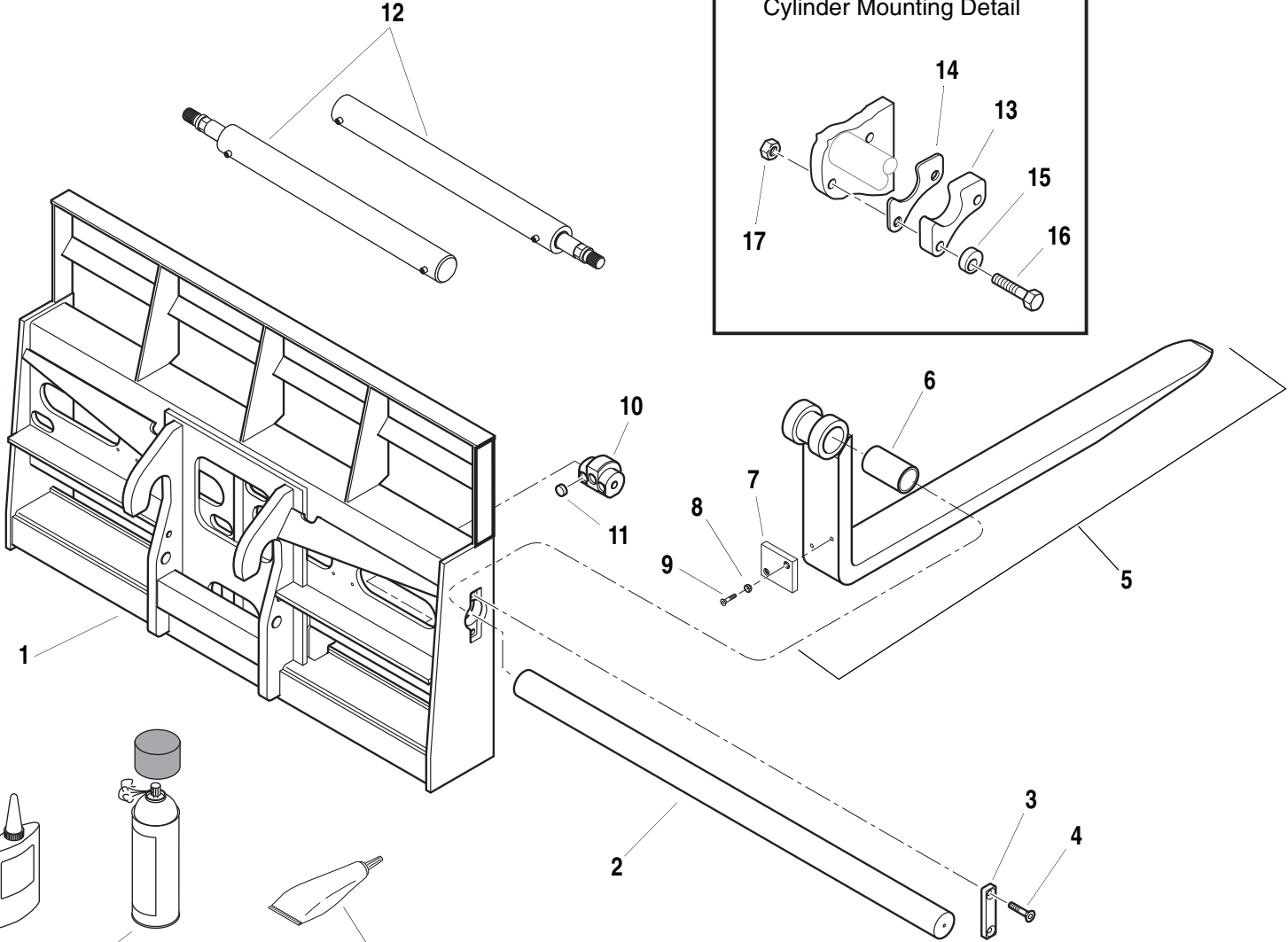
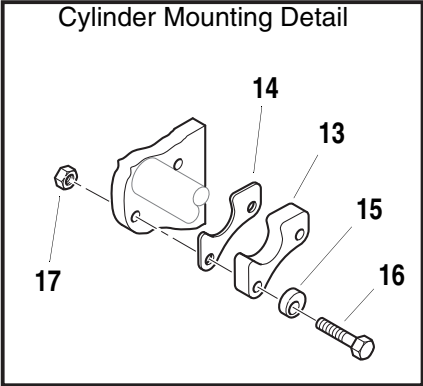
11.2.1

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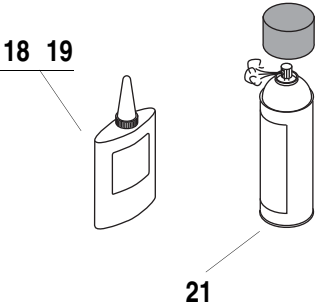
Section 12 — Attachments

Carriage and Fork Assemblies – 7K	12.1.1
Carriage and Fork Assemblies – 11K	12.2.1

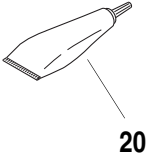


Apply Item 18 to All
Wear Pad Mounting
Capscrews Item 9

Apply Item 19 to
Cylinder Rod
Threads Item 12



Apply Item 21 to All
Pawl Pads Item 11



Apply Item 20 to
Fork Shaft Item 2

ITEM	PART NO.	QTY.	DESCRIPTION
1	6615184	1	Weldment, Carriage – 7K
2	6616543	1	Shaft, Fork
3	6616152	1	Retainer, Fork Shaft
4	8310263	2	Screw, SFHC 3/4"-10 x 1-3/4"
5	6623331	2	Fork Assembly for 7K Carriage (Includes Items 6 Thru 9)
6	6616092	1	Bearing, Fiberglide
7	6618612	1	Pad, Wear
8	6618622	2	Insert, Pad
9	8310341	2	Screw, SFHC 3/8"-16 x 1-1/2"
10	7115372	2	Pawl, Cylinder Rod End
11	7115382	12	Pad, Pawl
12	6623295	2	Cylinder, Fork Sideshift – 7K (See Page 9.6.1 for Breakdown)
13	6616391	2	Plate, Cylinder Retainer
14	6617361	A/R	Shim, Cylinder Retainer
15	6617371	4	Cam, Cylinder Retainer Bolt
16	8303782	4	HHCS, 1/2"-13 x 4"
17	8305644	4	Nut, Hex Lock Elastic, 1/2"-13
18	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
19	8526051	A/R	Threadlocker, 277 Loctite, High Strength/Large Bolt, 250 ml Bottle
20	8526415	A/R	Lubricant, Teflon
21	8526042	A/R	Adhesive 3M #90 High Strength Spray

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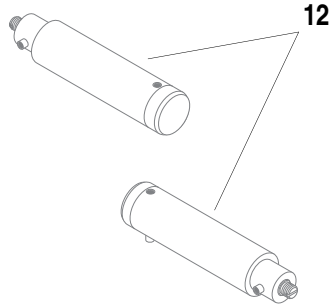
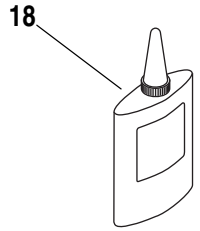
MMV

Tier 1
Tier 2

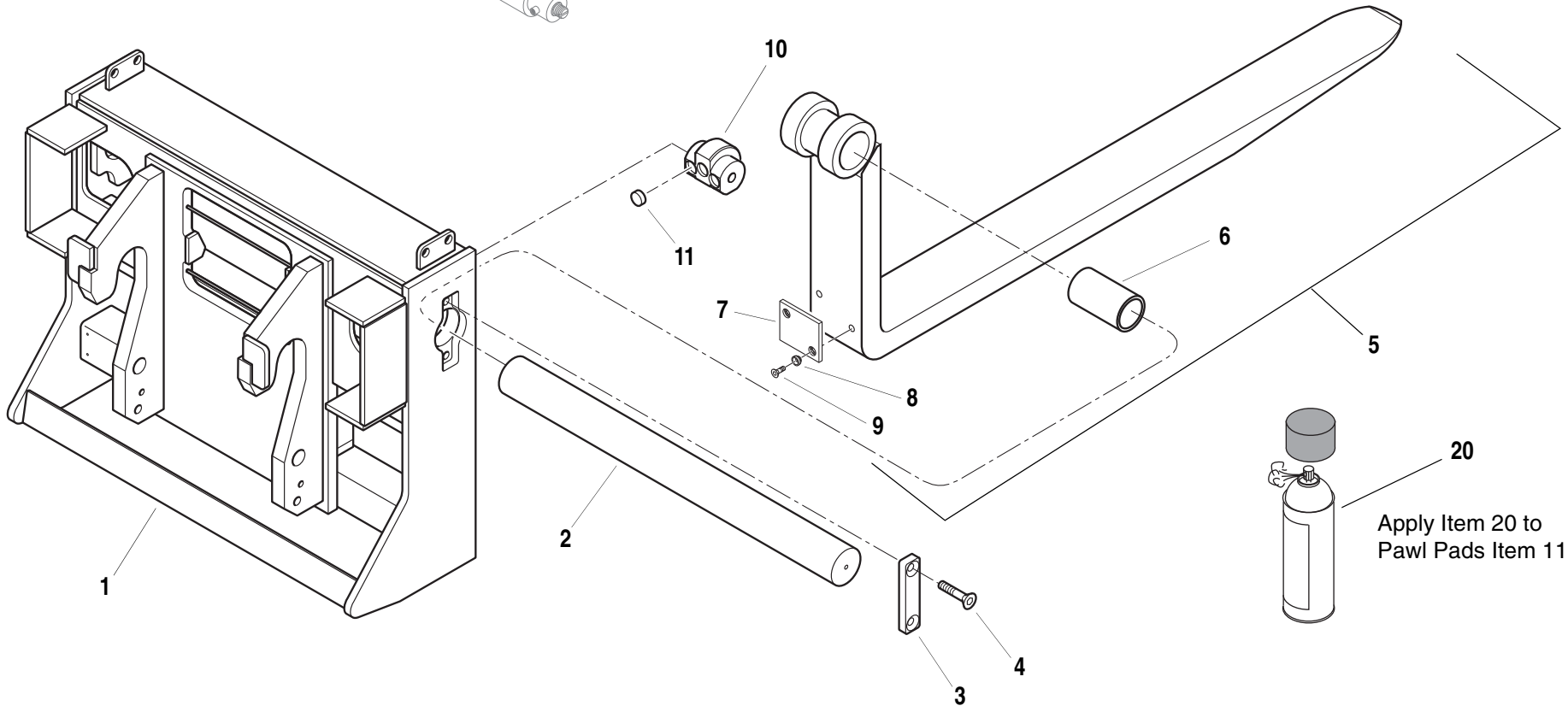
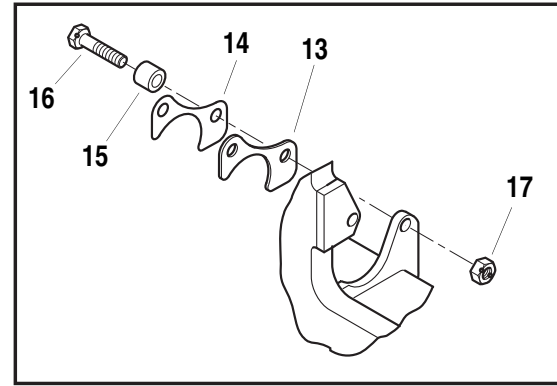
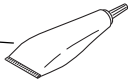
CARRIAGE AND FORK ASSEMBLIES – 7K

12.1.1

Apply Item 18 to All Wear Pad
Mounting Capscrews Item 9



Apply Item 19 to
Fork Shaft Item 2



ITEM	PART NO.	QTY.	DESCRIPTION
1	6615174	1	Weldment, Carriage – 11K
2	6616553	1	Shaft, Fork
3	6616152	1	Retainer, Fork Shaft
4	8310261	2	Screw, SFHC 3/4"-10 x 1-1/2"
5	6623333	2	Fork Assembly, Carriage 2.25 x 4.00 x 48.00 (includes Items 6 thru 9)
6	6616072	1	Bearing, Fiberglide
7	6618632	1	Pad, Wear
8	6618622	2	Insert, Pad
9	8310341	2	Screw, SFHC 3/8"-16 x 1-1/2"
10	7115372	2	Pawl, Cylinder Rod End
11	6619882	A/R	Pad, Pawl
12	6623296	2	Cylinder, Fork Sideshift – 11K (See Page 9.8.1 for Breakdown)
13	6616372	6	Plate, Cylinder Retainer
14	6617012	12	Shim, Cylinder Retainer
15	7116171	4	Spacer Cam, Cylinder Retainer
16	8303702	4	HHCS, 1/2"-13 x 3"
17	8305644	4	Nut, Hex Lock Elastic, 1/2"-13
18	8526011	A/R	Threadlocker, 271 Loctite, High Strength, 250 ml Bottle
19	8526415	A/R	Lubricant, Teflon
20	8526042	1	Adhesive 3M #90 High Strength Spray

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MMV

Tier 1
Tier 2

CARRIAGE AND FORK ASSEMBLIES – 11K

12.2.1

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NSN	Part No.	NSN	Part No.	NSN	Part No.	NSN	Part No.	NSN	Part No.
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