SL4640 & (EU)
SL4640E & (EU)
SL4840 & (EU)
SL4840E & (EU)
SL5640 & (EU)
SL5640E & (EU)
SL6640 & (EU)
SL6640E & (EU)

Skid-Steer Loaders



GEHL®

Form No.
917000

Revision J
09/09

PARTS MANUAL

Introduction

For your safety and continued proper operation, use only genuine GEHL service parts. When ordering service parts, specify the correct part number, full description, quantity required, the unit model number and serial number.

The model and serial number decal for this unit is located on the left chassis upright. “Right” and “left” are determined from a position sitting on the seat and facing forward.

GEHL Company reserves the right to make changes or improvements in the design or construction of any part of the unit without incurring the obligation to install such changes on any previously delivered units.

NOTE: *Purchase equivalent-quality tires for your loader. Contact your dealer for replacement tire information.*

NOTE: *Replacement batteries are not provided by the GEHL Company. For battery specifications see “Electrical - Chassis” chapter. ALL REPLACEMENT BATTERIES MUST BE PURCHASED LOCALLY.*

Refer to the abbreviations table located on this page for the various fastener descriptions. Standard attaching hardware torque values are also provided on the inside back cover. **If a part requires lubrication or a nonstandard torque value, it will be specified behind the part number description in parenthesis.**

Items shown in the parts list that do not have part numbers are shown for reference purposes only and are NOT available for purchase.

Dimensions are in inches unless otherwise specified.

NOTE: *The following abbreviations and symbols may be used herein:*

AMP	Ampere
AR	As Required
ASSY	Assembly
AUX	Auxiliary
CCA	Cold Cranking Amperage
CYL	Cylinder
DJS	Dual Joystick
FRT	Front
FL	Flare
GA	Gauge
HEX	Hexagon
HF	High Flow
HYD	Hydraulics
JIC	Joint Industrial Council
JS	Joystick
kW	Kilowatt
LBS	Pounds
LT	Left
M (m)	Meter
MM (mm)	Millimeter
NA	Naturally-Aspirated
N/A	Not Applicable
NEG	Negative
NILN	Nylon Insert Lock Nut
N▪m	Newton Meter
NO	Number
NPT	National Pipe Thread
OPER	Operator
POS	Positive
PSI	Pounds per Square Inch
QTY	Quantity
REF	Reference
REQ’D	Required
ROPS	Roll Over Protective Structure
RPM	Revolutions Per Minute
RT	Right
SAE	Society of Automotive Engineers
SN	Serial Number
SQ	Square
ST	Straight
TURBO	Turbocharged
V	Volt

GEHL is a registered trademark of the Gehl Company.

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Hydraglide, Power-A-Tach and All-Tach are trademarks of the Gehl Company.

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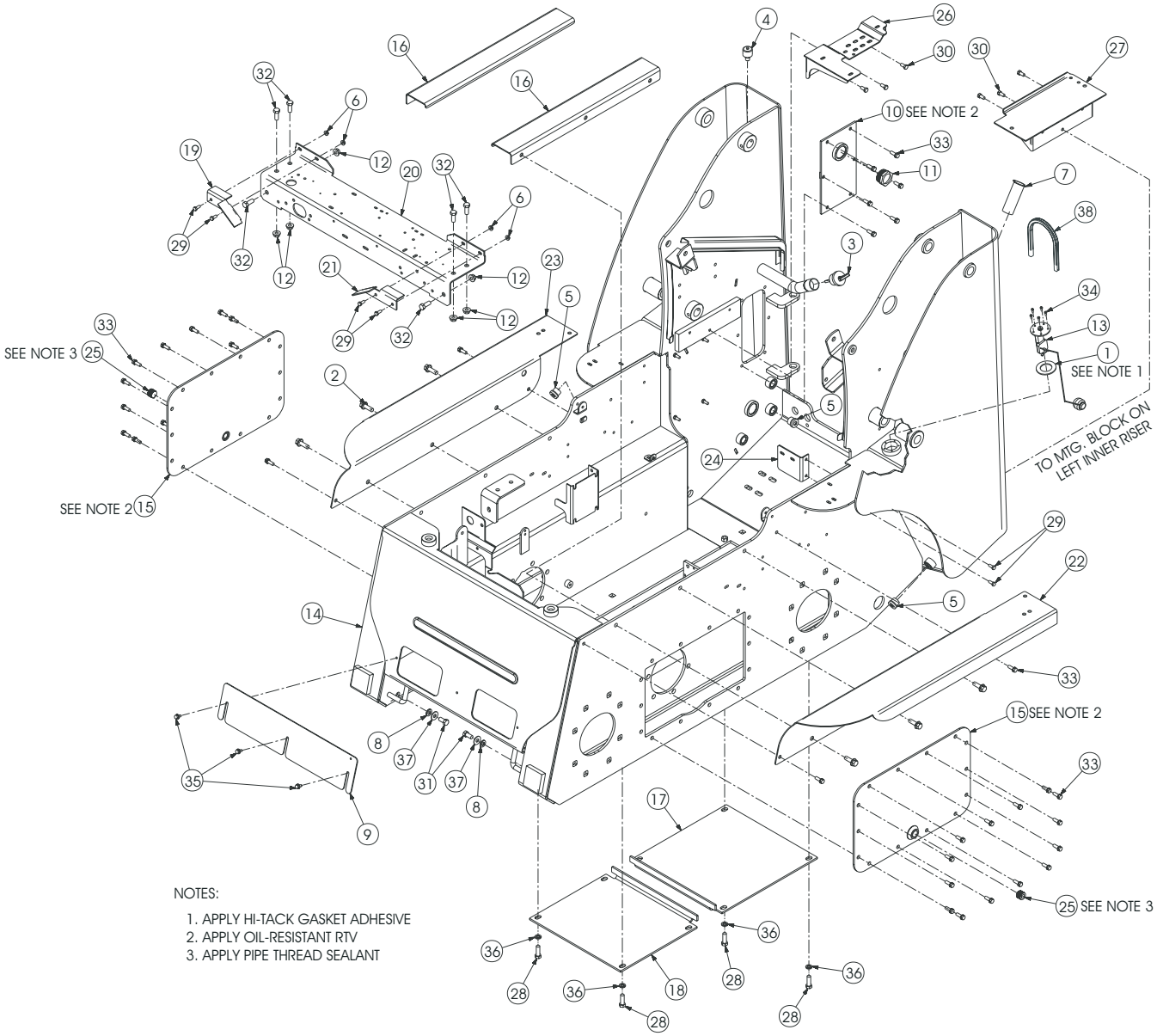
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4640 and 4840 Models



139567_139570

Ref. No.	Part No.	Description	Quantity 4640	Quantity 4840
1	072343	GASKET/FUEL SENDER	1	1
2	092164	SCREW/HEX 1/2 X 1-1/4	6	6
3	127342	CAP ASSEMBLY/FILLER	1	1
4	128591	BREATHER/RESERVOIR	1	1
5	131522	PLUG SAE12	3	3
6	131842	NUT/SPIRALOCK™ 5/16	4	4
7	132050	STRAINER/FUEL FILL	1	1
	132051	CAP/FUEL FILL	1	1
	650702	SCREW/MACHINE PHILLIPS HEAD #6 X 3/8	2	2
8	132298	WASHER/SEAL	2	2
9	134345	COVER/TOEPLATE	1	1
10	134558	COVER ASSEMBLY/HYDRAULIC RESERVOIR	1	1
11	134756	SIGHT PORT/OIL LEVEL	1	1
12	134853	NUT/SPIRALOCK™ 1/2	6	6
13	136013	SENSOR/FUEL	1	1
14	138289	CHASSIS 4640	1	-
	138334	CHASSIS 4840	-	1
15	138593	COVER/CHAINCASE	2	2
16	139501	FILLER/ROPS	2	2
17	139602	PLATE/FLOOR	1	1
18	140376	BELLYPAN/FRONT	1	-
	139743	BELLYPAN/FRONT	-	1
19	139971	COVER/SEAT UNDER RIGHT	1	1
20	139975	PLATE/CROSSMEMBER	1	1
21	139995	COVER/SEAT UNDER LEFT	1	1
22	140142	FENDER/LEFT	1	1
23	140143	FENDER/RIGHT	1	1
24	140752	BRACKET/SOLENOID	1	1
25	184670	PLUG/PIPE SQUARE SOCKET 3/4	2	2
26	189376b	WELDMENT/FILTER BRACKET	-	1
	187383a	WELDMENT/FILTER BRACKET	-	1
27	190560	TRAY ASSEMBLY/BATTERY	1	1
28	650569	SCREW/CAP 1/2 X 1-3/4	4	4
29	650486	SCREW/CAP 5/16 X 3/4	6	6
30	650488	SCREW/CAP 3/8 X 3/4	3	6
31	650494	SCREW/CAP 1/2 X 1	2	2
32	650495	SCREW/CAP 1/2 X 1-1/4	6	6
33	651042	SCREW/MACHINE HEX FLANGE 3/8 X 1	38	38
34	651312	SCREW/MACHINE PHILLIPS HEAD #10 X 1/2	5	5
35	651648d	SCREW/CAP THREAD FORMING 5/16 X 3/4	3	3
	651041c	SCREW/MACHINE HEX FLANGE 3/8 X 3/4	3	3
36	654030	WASHER/LOCK 1/2	4	4
37	654046	WASHER/FLAT 7/16	2	2
38	183916e	STRIP/TRIM	1	1

a) 4840: SN 408500 and Before

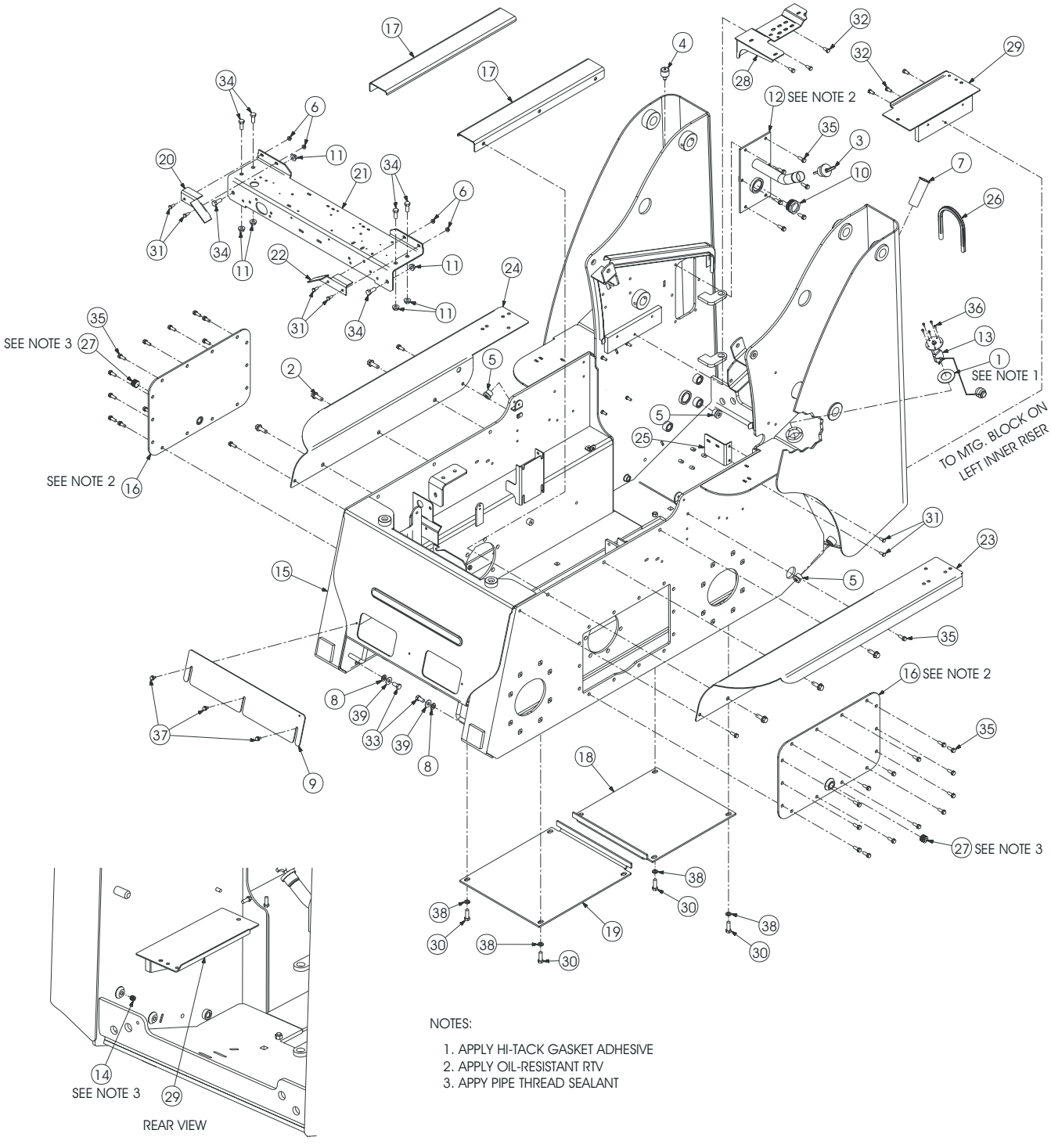
b) 4840: SN 408501 and Up

c) OLDER-STYLE PART NUMBER, CHECK YOUR SKID-STEER LOADER FOR CORRECT SCREW SIZE.

d) NEWER-STYLE PART NUMBER, CHECK YOUR SKID-STEER LOADER FOR CORRECT SCREW SIZE.

e) TRIM STRIP USED ON OLDER-STYLE SKID-STEER LOADERS.

5640 and 6640 Models



139527_139563

Ref. No.	Part No.	Description	Quantity 5640	Quantity 6640
1	072343	GASKET/FUEL SENDER	1	1
2	092164	SCREW/HEX 1/2 X 1-1/4	6	6
3	127342	CAP ASSEMBLY/FILLER	1	1
4	128591	BREATHER/RESERVOIR	1	1
5	131522	PLUG SAE12	3	3
6	131842	NUT/SPIRALOCK™ 5/16	4	4
7	132050	STRAINER/FUEL FILL	1	1
	132051	CAP/FUEL FILL	1	1
	650702	SCREW/MACHINE PHILLIPS HEAD #6 X 3/8	2	2
8	132298	WASHER/SEAL	2	2
9	134345	COVER/TOEPLATE	1	1
10	134756	SIGHT PORT/OIL LEVEL	1	1
11	134853	NUT/SPIRALOCK™ 1/2	6	6
12	135769	COVER ASSEMBLY/HYDRAULIC RESERVOIR	1	1
13	136013	SENSOR/FUEL	1	1
14	137907	PLUG/HEX SCREW 1/4	1	1
15	138386	CHASSIS 5640	1	-
	138355	CHASSIS 6640	-	1
16	138593	COVER/CHAINCASE	2	2
17	139501	FILLER/ROPS	2	2
18	139602	PLATE/FLOOR	1	1
19	139603	BELLYPAN/FRONT 5640	1	-
	139605	BELLYPAN/FRONT 6640	-	1
20	139971	COVER/SEAT UNDER RIGHT	1	1
21	139975	PLATE/CROSSMEMBER	1	1
22	139995	COVER/SEAT UNDER LEFT	1	1
23	140135	FENDER/LEFT	1	1
24	140136	FENDER/RIGHT	1	1
25	140752	BRACKET/SOLENOID	1	-
26	183916e	STRIP/TRIM	1	1
27	184670	PLUG/PIPE SQUARE SOCKET 3/4	2	2
28	189376b	WELDMENT/FILTER BRACKET	1	1
	187383a	WELDMENT/FILTER BRACKET	1	1
29	190560	TRAY ASSEMBLY/BATTERY	1	1
30	650569	SCREW/CAP 1/2 X 1-3/4	4	4
31	650486	SCREW/CAP 5/16 X 3/4	6	4
32	650488	SCREW/CAP 3/8 X 3/4	6	6
33	650494	SCREW/CAP 1/2 X 1	2	2
34	650495	SCREW/CAP 1/2 X 1-1/4	6	6
35	651042	SCREW/MACHINE HEX FLANGE 3/8 X 1	38	38
36	651312	SCREW/MACHINE PHILLIPS HEAD #10 X 1/2	5	5
37	651648d	SCREW/CAP THREAD FORMING 5/16 X 3/4	3	3
	651041c	SCREW/MACHINE HEX FLANGE 3/8 X 3/4	3	3
38	654030	WASHER/LOCK 1/2	4	4
39	654046	WASHER/FLAT 7/16	2	2

a) 5640: SN 506600 and Before. 6640: SN 605500 and Before

b) 5640: SN 506601 and Up. 6640: SN 605501 and Up

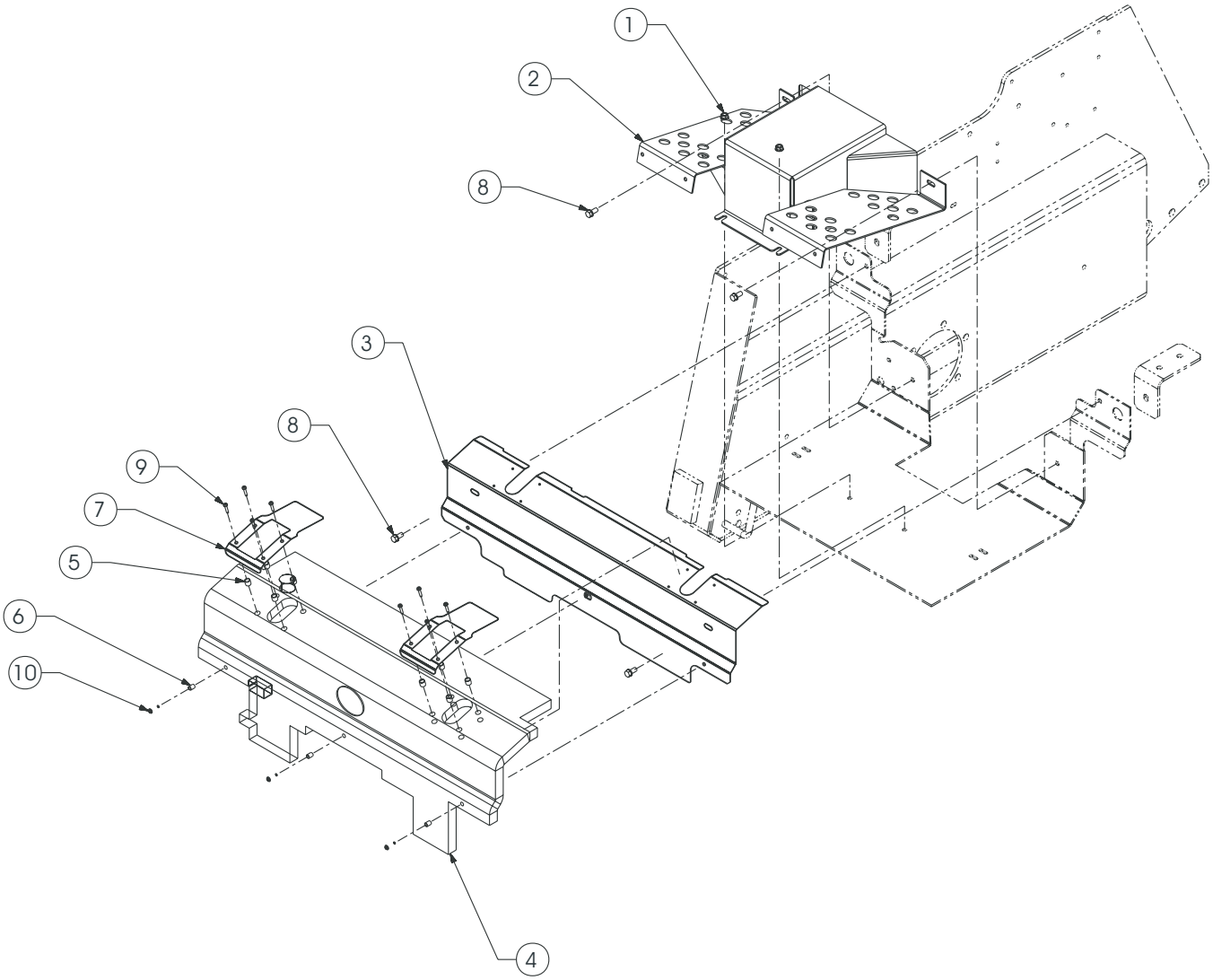
c) OLDER-STYLE PART NUMBER, CHECK YOUR SKID-STEER LOADER FOR CORRECT SCREW SIZE.

d) NEWER-STYLE PART NUMBER, CHECK YOUR SKID-STEER LOADER FOR CORRECT SCREW SIZE.

e) TRIM STRIP USED ON OLDER-STYLE SKID-STEER LOADERS.

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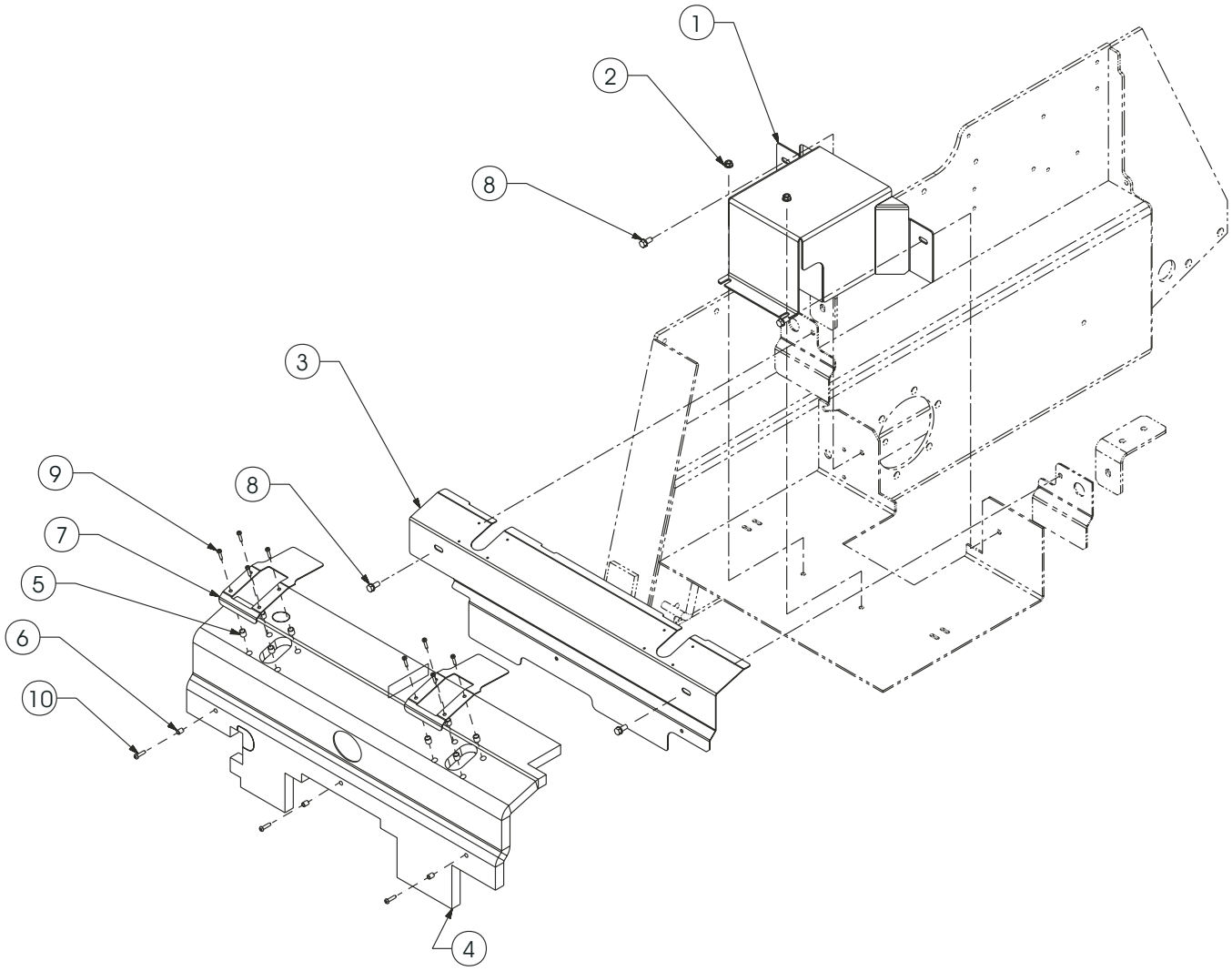
Covers - Hand Controls



190458_190507

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	134852	NUT/SPIRALOCK™ 3/8	2	2
2	135006	FLOOR ASSEMBLY/FRONT	1	-
	135947	FLOOR ASSEMBLY/FRONT	-	1
3	139629	COVER/CONTROL	1	1
4	190175	PAD/SOUND	1	-
	189633	PAD/SOUND	-	1
5	190203	SUPPORT/BOOT BEZEL	8	8
6	190400	SPACER	3	3
7	190457	COVER/BOOT	2	2
8	651041	SCREW/MACHINE HEX WASHER HEAD 3/8 X 3/4	4	4
9	651651	SCREW/TAPPING TORX DRIVE PAN HEAD #10 X 1	8	8
10	L70486	SCREW/TRUSS TORX DRIVE 1/4 X 1	3	3

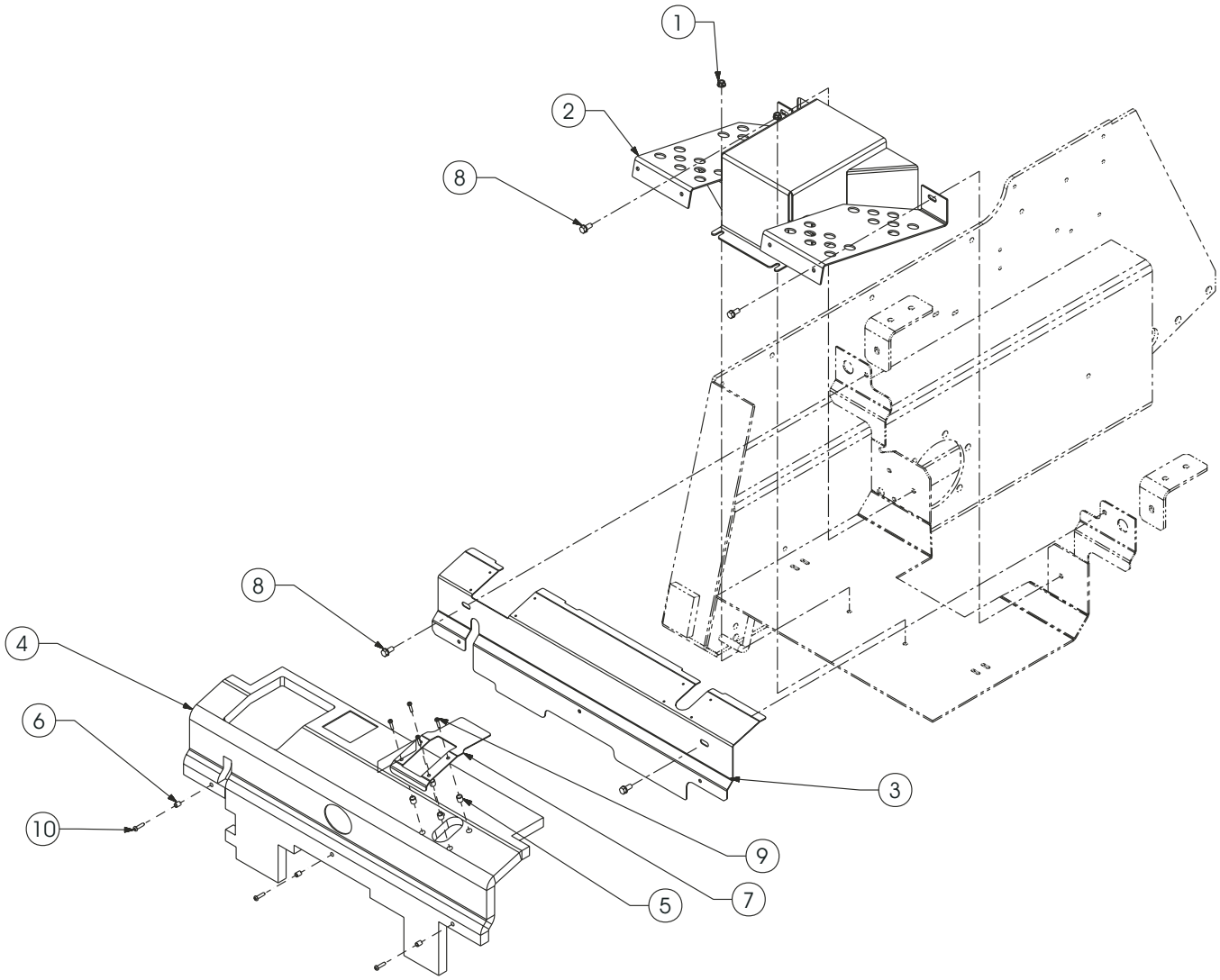
Covers - Hand & Foot Controls



190459_190508

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	135090	FLOOR ASSEMBLY/FRONT	1	-
	131804	FLOOR ASSEMBLY/FRONT	-	1
2	134852	NUT/SPIRALOCK™ 3/8	2	2
3	183350	COVER/CONTROL	1	1
4	190175	PAD/SOUND	1	-
	189633	PAD/SOUND	-	1
5	190203	SUPPORT/BOOT BEZEL	8	8
6	190400	SPACER	3	3
7	190457	COVER/BOOT	2	2
8	651041	SCREW/MACHINE HEX WASHER HEAD 3/8 X 3/4	4	4
9	651651	SCREW/TAPPING TORX DRIVE PAN HEAD #10 X 1	8	8
10	L70486	SCREW/TRUSS TORX DRIVE 1/4 X 1	3	3

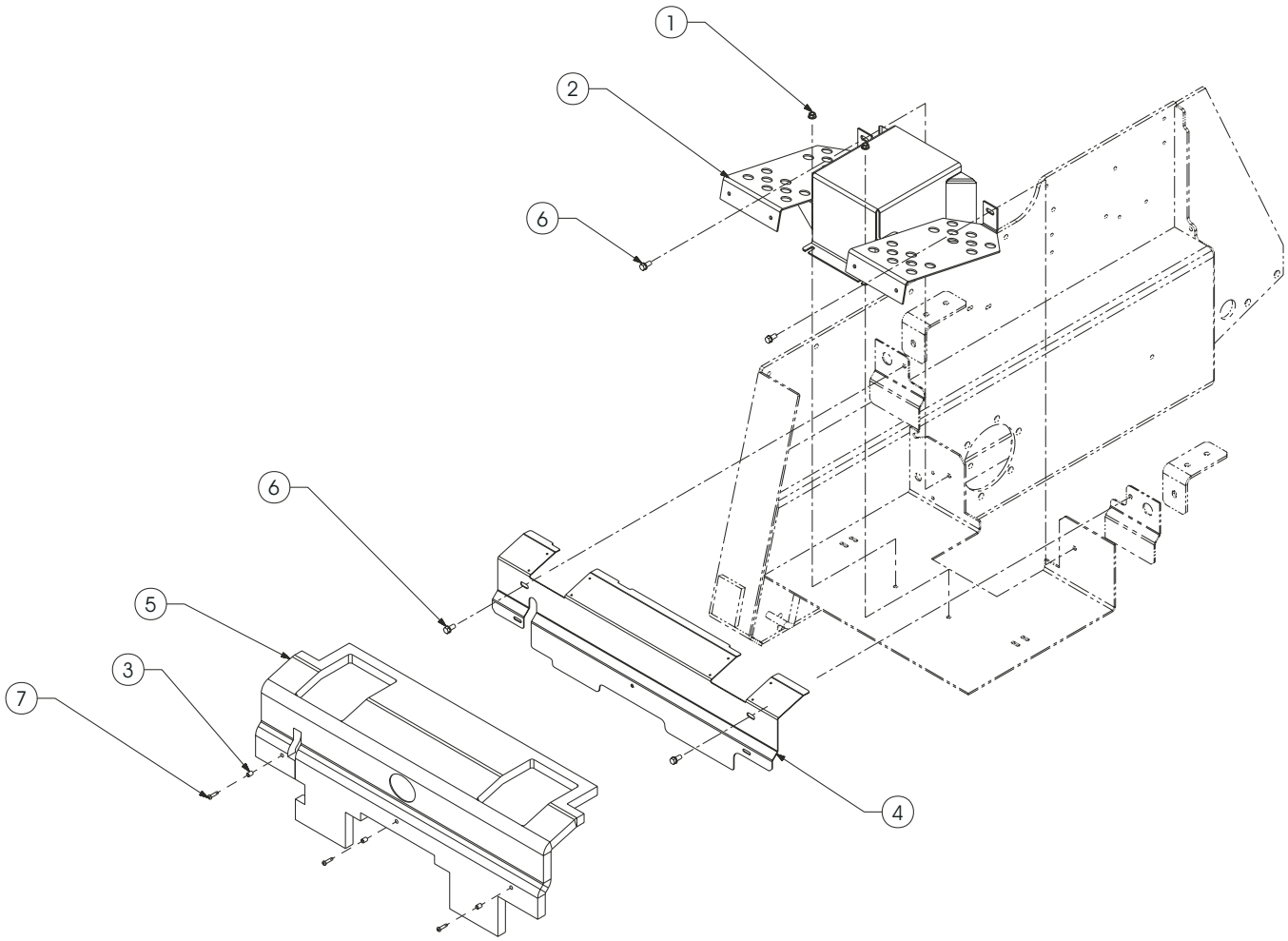
Covers - T-Bar/Joystick Controls



190460_190498

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	134852	NUT/SPIRALOCK™ 3/8	2	2
2	135006	FLOOR ASSEMBLY/FRONT	1	-
	135947	FLOOR ASSEMBLY/FRONT	-	1
3	188033	COVER/CONTROL	1	1
4	190177	PAD/SOUND	1	-
	190339	PAD/SOUND	-	1
5	190203	SUPPORT/BOOT BEZEL	4	4
6	190400	SPACER	3	3
7	190457	COVER/BOOT	1	1
8	651041	SCREW/MACHINE HEX WASHER HEAD 3/8 X 3/4	4	4
9	651651	SCREW/TAPPING TORX DRIVE PAN HEAD #10 X 1	4	4
10	L70486	SCREW/TRUSS TORX DRIVE 1/4 X 1	3	3

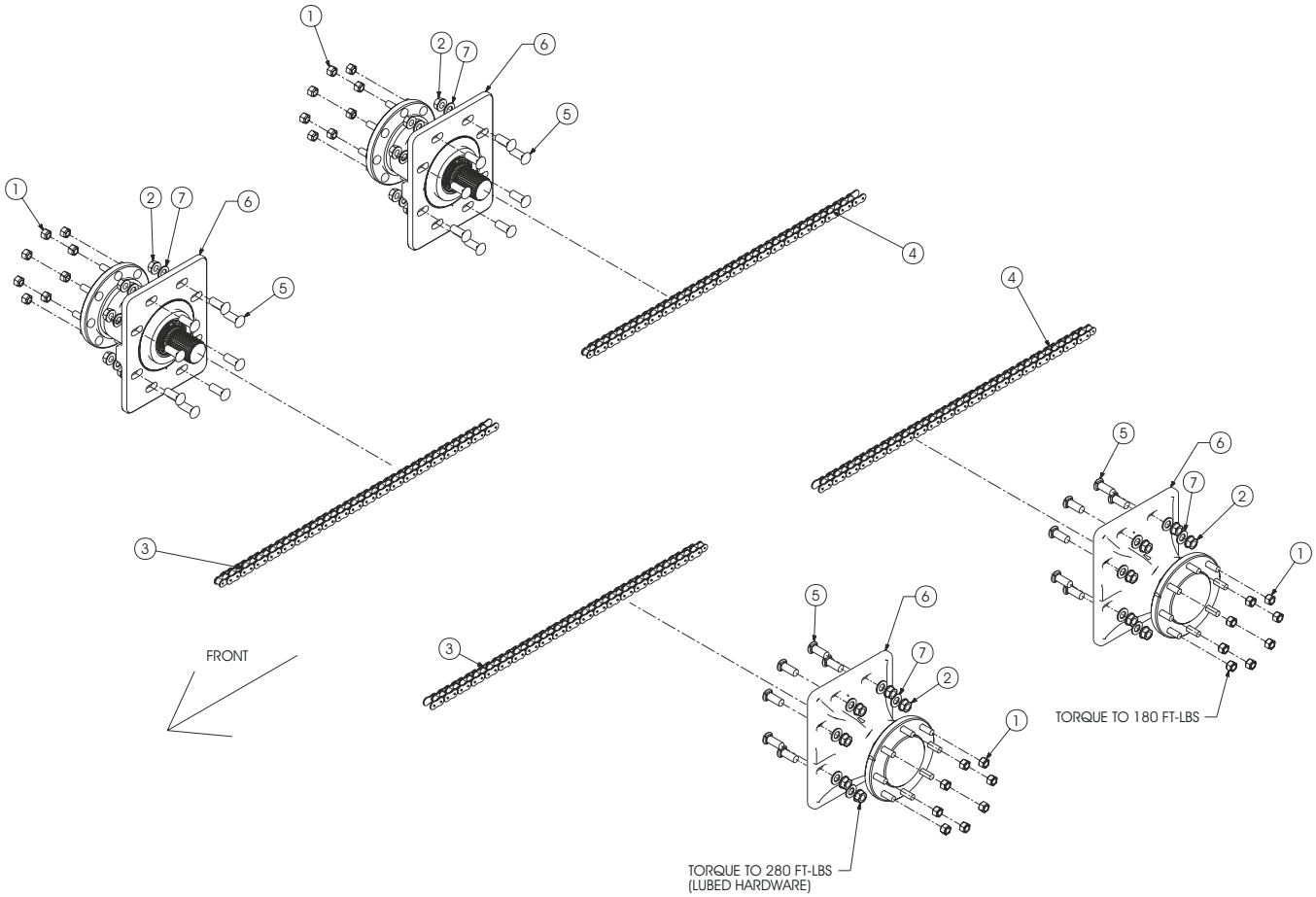
Covers - Dual Joystick Controls



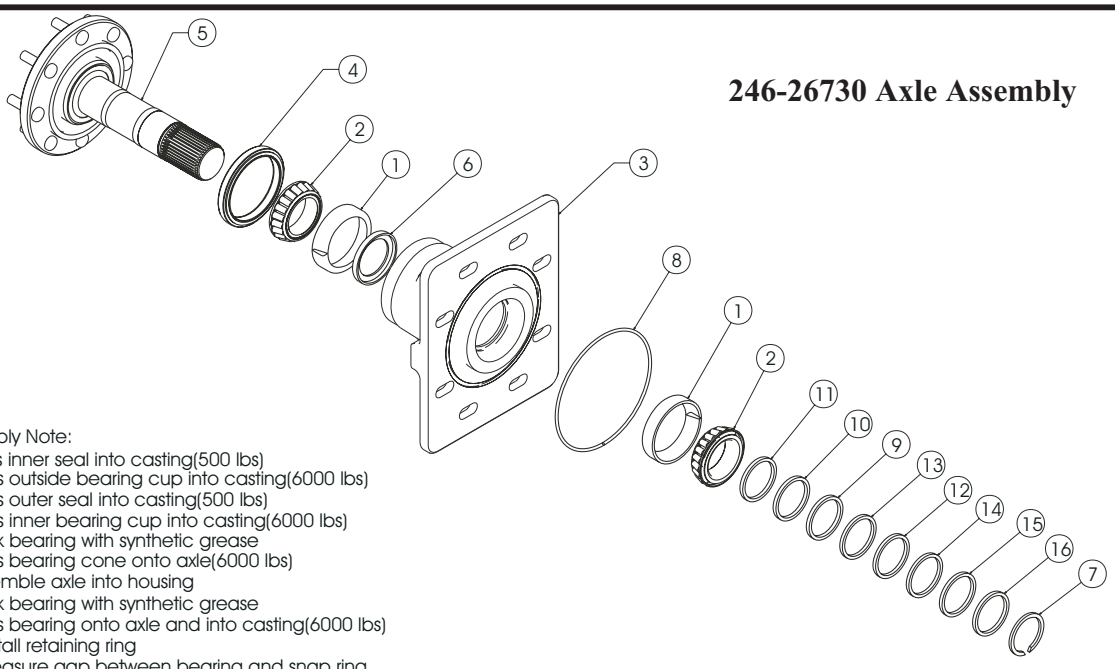
190877_190885

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	134852	NUT/SPIRALOCK™ 3/8	2	2
2	135006	FLOOR ASSEMBLY/FRONT	1	-
	135947	FLOOR ASSEMBLY/FRONT	-	1
3	190400	SPACER	3	3
4	190878	COVER/CONTROLS	1	1
5	190882	PAD/SOUND/HEEL	1	-
	190879	PAD/SOUND/HEEL	-	1
6	651041	SCREW/MACHINE 3/8 X 3/4	4	4
7	L70486	SCREW/TORX DRIVE TRUSS HEAD 1/4 X 1	3	3

4640 and 4840 Models



246-26730 Axle Assembly



Assembly Note:
1) Press inner seal into casting(500 lbs)
2) Press outside bearing cup into casting(6000 lbs)
3) Press outer seal into casting(500 lbs)
4) Press inner bearing cup into casting(6000 lbs)
5) Pack bearing with synthetic grease
6) Press bearing cone onto axle(6000 lbs)
7) Assemble axle into housing
8) Pack bearing with synthetic grease
9) Press bearing onto axle and into casting(6000 lbs)
10) Install retaining ring
11) Measure gap between bearing and snap ring
12) Remove retaining ring
13) Install special washer of appropiate thickness
14) Install retaining ring and remove pressure

138663

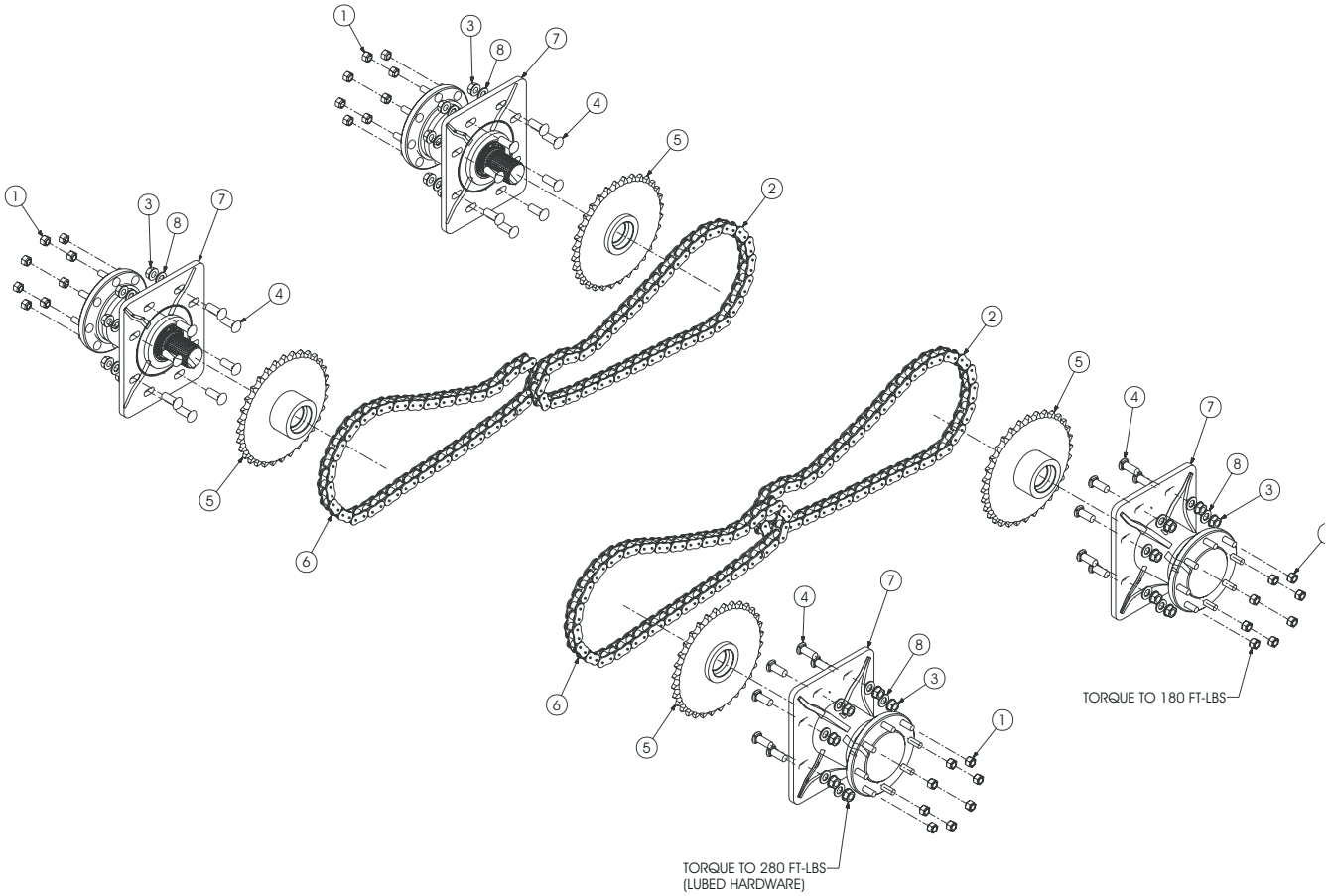
Ref. No.	Part No.	Description	Quantity 4640	Quantity 4840
1	079152	NUT/WHEEL	32	32
2	131609	NUT/SPIRALOCK™ 1/2	32	32
3	134503	CHAIN #80 X 66 (FRONT)	4	2
	134827	LINK/#80 CONNECTOR	4	2
4	134504	CHAIN #80 X 74 (REAR)	-	2
	134827	LINK/#80 CONNECTOR	-	2
5	137072	BOLT/CARRIAGE 3/4 X 2	32	32
6	246-26730	ASSEMBLY/AXLE	4	4
	137915	BOLT/WHEEL	32	32
7	651564	WASHER/FLAT HARDENED 3/4	32	32
a	138296	ASSEMBLY/SPROCKET #80-40T (SINGLE SPEED)	4	4
a	139302	ASSEMBLY/SPROCKET #80-37T (TWO SPEED)	4	4

a) NOT SHOWN

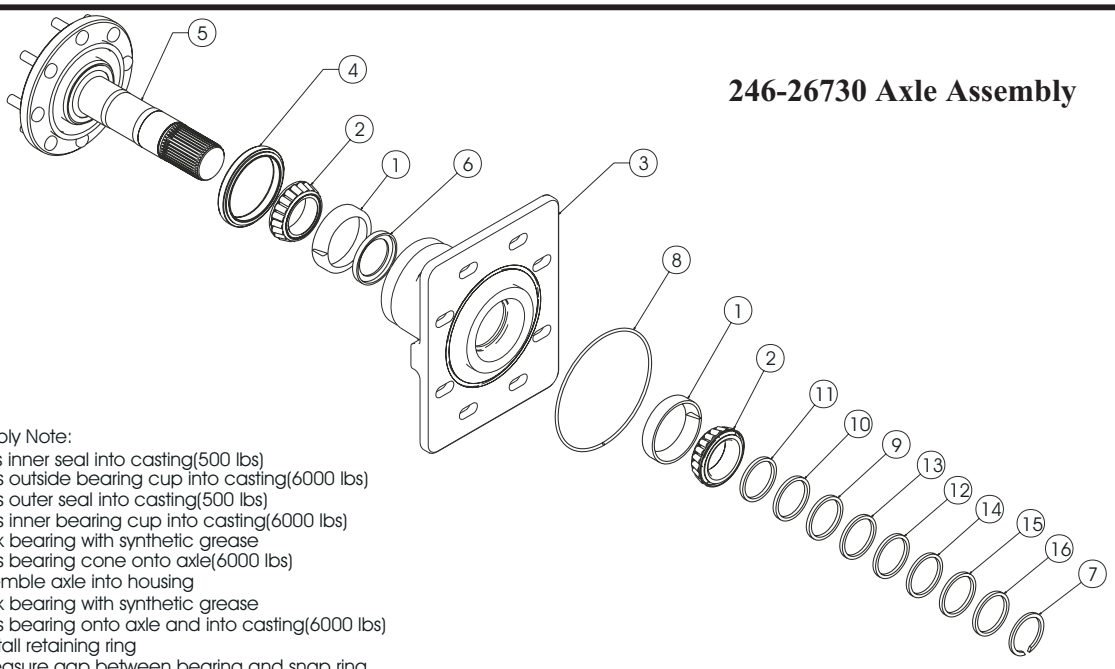
Ref. No.	Part No.	Description	Quantity Axle Assembly
1	010-28854	CUP/BEARING	2
2	010-32401	CONE/BEARING	2
3	138759	ASSEMBLY/AXLE	1
4	183784	SEAL/AXLE	1
5	320-32692	ASSEMBLY/AXLE AND BOLT	1
6	335-32282	SEAL/OIL	1
7	350-32539	RETAINING RING/EXTERNAL	1
8	350-32542	O-RING	1
9	400-32513	WASHER/SPECIAL .254	AR
10	400-32514	WASHER/SPECIAL .250	AR
11	400-32515	WASHER/SPECIAL .246	AR
12	400-32521	WASHER/SPECIAL .234	AR
13	400-32522	WASHER/SPECIAL .230	AR
14	400-32523	WASHER/SPECIAL .226	AR
15	400-32555	WASHER/SPECIAL .238	AR
16	400-32556	WASHER/SPECIAL .242	AR

This Page Updated on April 6, 2010

5640 and 6640 Models



246-26730 Axle Assembly



Assembly Note:
1) Press inner seal into casting(500 lbs)
2) Press outside bearing cup into casting(6000 lbs)
3) Press outer seal into casting(500 lbs)
4) Press inner bearing cup into casting(6000 lbs)
5) Pack bearing with synthetic grease
6) Press bearing cone onto axle(6000 lbs)
7) Assemble axle into housing
8) Pack bearing with synthetic grease
9) Press bearing onto axle and into casting(6000 lbs)
10) Install retaining ring
11) Measure gap between bearing and snap ring
12) Remove retaining ring
13) Install special washer of appropiate thickness
14) Install retaining ring and remove pressure

138655

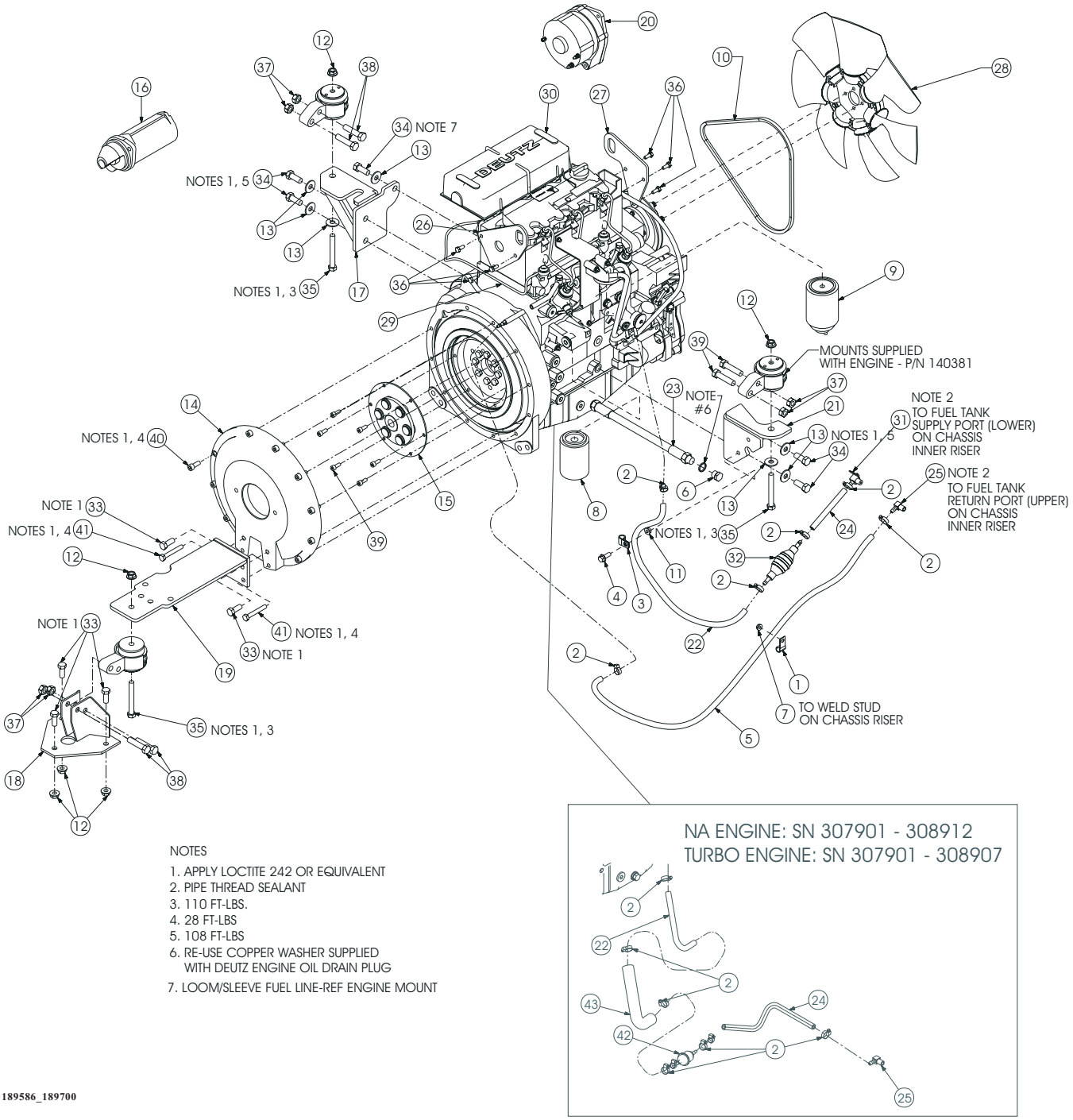
Ref. No.	Part No.	Description	Quantity 5640	Quantity 6640
1	079152	NUT/WHEEL	32	32
2	131606	CHAIN #100 X 58 (REAR)	4	2
	082489	LINK/CONNECTING	4	2
	132762	LINK/#100 CONNECTOR	4	2
3	131609	NUT/SPIRALOCK™ 1/2	32	32
4	137072	BOLT/CARRIAGE 3/4 X 2	32	32
5	138298	ASSEMBLY/SPROCKET 100-32T	4	4
6	138656	CHAIN #100 X 66 (FRONT)	-	2
	082489	LINK/CONNECTING	-	2
	132762	LINK/#100 CONNECTOR	-	2
7	246-26730	ASSEMBLY/AXLE	4	4
	137915	BOLT/WHEEL	32	32
8	651564	WASHER/FLAT HARDENED 3/4	32	32

Ref. No.	Part No.	Description	Quantity Axle Assembly
1	010-28854	CUP/BEARING	2
2	010-32401	CONE/BEARING	2
3	138759	ASSEMBLY/AXLE	1
4	183784	SEAL/AXLE	1
5	320-32692	ASSEMBLY/AXLE AND BOLT	1
6	335-32282	SEAL/OIL	1
7	350-32539	RETAINING RING/EXTERNAL	1
8	350-32542	O-RING	1
9	400-32513	WASHER/SPECIAL .254	AR
10	400-32514	WASHER/SPECIAL .250	AR
11	400-32515	WASHER/SPECIAL .246	AR
12	400-32521	WASHER/SPECIAL .234	AR
13	400-32522	WASHER/SPECIAL .230	AR
14	400-32523	WASHER/SPECIAL .226	AR
15	400-32555	WASHER/SPECIAL .238	AR
16	400-32556	WASHER/SPECIAL .242	AR

This Page Updated on April 6, 2010

3-Cylinder Engine - Naturally-Aspirated and Turbocharged - 4640 Models

SN 307901 and Up



NOTES

1. APPLY LOCTITE 242 OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 110 FT-LBS.
4. 28 FT-LBS
5. 108 FT-LBS
6. RE-USE COPPER WASHER SUPPLIED WITH DEUTZ ENGINE OIL DRAIN PLUG
7. LOOM/SLEEVE FUEL LINE-REF ENGINE MOUNT

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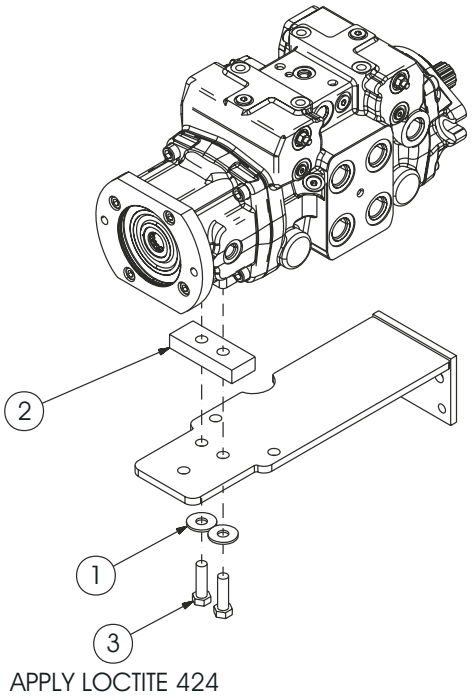
ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
F3M2011	1550±50	2889
BF3M2011	1550±50	2778
F3M2011(EU) / BF3M2011(EU)	1550±50	2600+10/-20 / 2500+10/-20

Ref. No.	Part No.	Description	Quantity NA	Quantity Turbo
1	058615	CLAMP	1	1
2	062023	CLAMP/HOSE M5	6	6
3	076147	CLAMP/HOSE	1	1
4	076589	SCREW/CAP LOCKING 3/8 X 1	1	1
5	078919	HOSE/FUEL 48"	1	1
6	131529	PLUG SAE08	1	1
7	131842	NUT/SPIRALOCK™ 51/6	1	1
8	132023	FILTER/OIL	1	1
9	132024	FILTER/FUEL	1	1
10	132989	BELT/FAN 10 X 1050MM	1	-
	132301	BELT/FAN	-	1
11	134852	NUT/SPIRALOCK™ 3/8	1	1
12	134853	NUT/SPIRALOCK™ 1/2	6	6
13	134966	WASHER/FLAT HARDENED 1/2	7	7
14	136056	HOUSING/FLYWHEEL	1	1
	P471548	WASHER/HARD 1/2	4	4
	650453	SCREW/CAP 1/2 X 1-1/2	4	4
15	136063	COUPLING/FLYWHEEL	1	1
16	138859	STARTER	1	1
17	139181	BRACKET/MOUNT RIGHT	1	1
18	140380	SUPPORT/MOUNT	1	1
19	140386	SUPPORT	1	1
20	140859	ALTERNATOR/14V 95 A	1	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1	1
21	183954	BRACKET/MOTOR MOUNT	1	1
22	184296b	HOSE/FUEL 5/16 X 25	1	1
	186068a	HOSE/FUEL	1	1
23	184707	HOSE/OIL DRAIN	1	1
24	184728b	HOSE/FUEL	1	1
	184296a	HOSE/FUEL 5/16 X 25	1	1
25	186080	FITTING/BARB 5/16	1	1
26	187673	HOOK/ENG LIFT/REAR	1	1
27	187674	HOOK/ENG LIFT/FRONT	1	1
28	189599	FAN 17"	1	-
	188420	FAN 19"	-	1
29	189847	CABLE/PRE-HEATING (GLOW PLUG CABLE)	1	1
30	189951	ENGINE/DEUTZ/3-CYLINDER NA	1	-
	189985	ENGINE/DEUTZ/3-CYLINDER TURBO	-	1
	191232	PLUG/THERMOSTAT (RED)	1	1
	133541	PLUG/THERMOSTAT (BLACK)	1	1
	133444	CAP/OIL FILLER	1	1
	187110	PUMP/FUEL LIFT	1	1
	133218	O-RING	1	1
31	191735b	VALVE/FUEL SHUT OFF 90°	1	1
32	192122b	BULB/PRIMER	1	1
33	650495	SCREW/CAP 1/2 X 1-1/4	5	5
34	651378	SCREW/CAP M14 X 35 MM	5	5
35	651551	SCREW/CAP 1/2 X 4	3	3
36	656001	SCREW/CAP M8 X 20 MM	6	6
37	656051	NUT/HEX M14	6	6
38	656086	SCREW/CAP M14 X 60 MM	6	6
39	656098	SCREW/CAP M8 X 20 MM	6	6
40	656141	SCREW/CAP M10 X 25 MM	9	9
41	656188	SCREW/CAP M10 X 70 MM	2	2
42	137794a	FILTER/IN-LINE FUEL	1	1
43	138454a	SLEEVE/NYLON PROTECTIVE	1	1

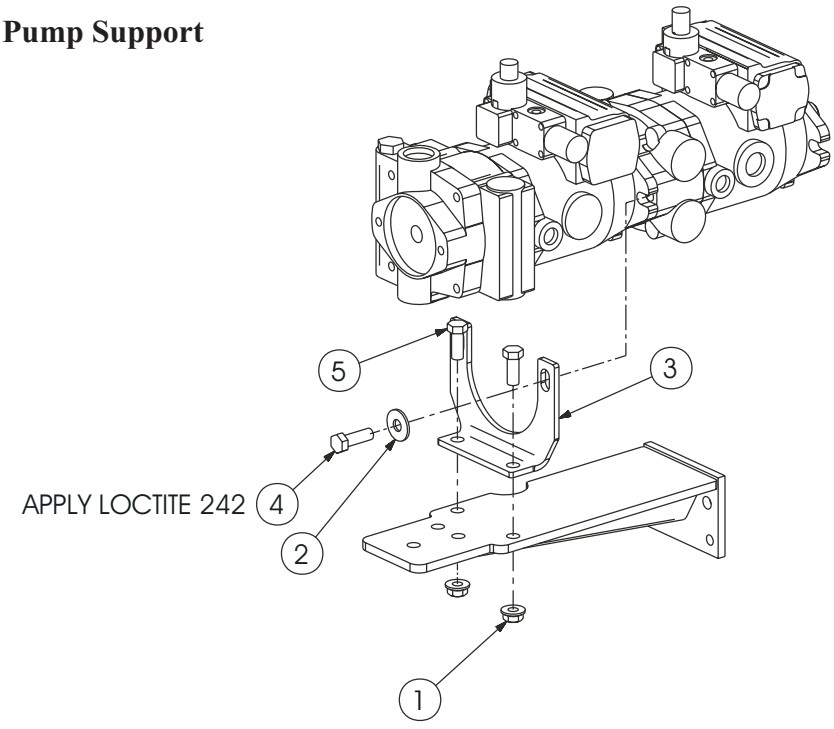
a) NA ENGINES: SN 307901-308912. TURBO ENGINES: SN 307901-308907

b) NA ENGINES: SN 308913 and Up. TURBO ENGINES: SN 308908 and Up

Rexroth Pump Support



Eaton Pump Support



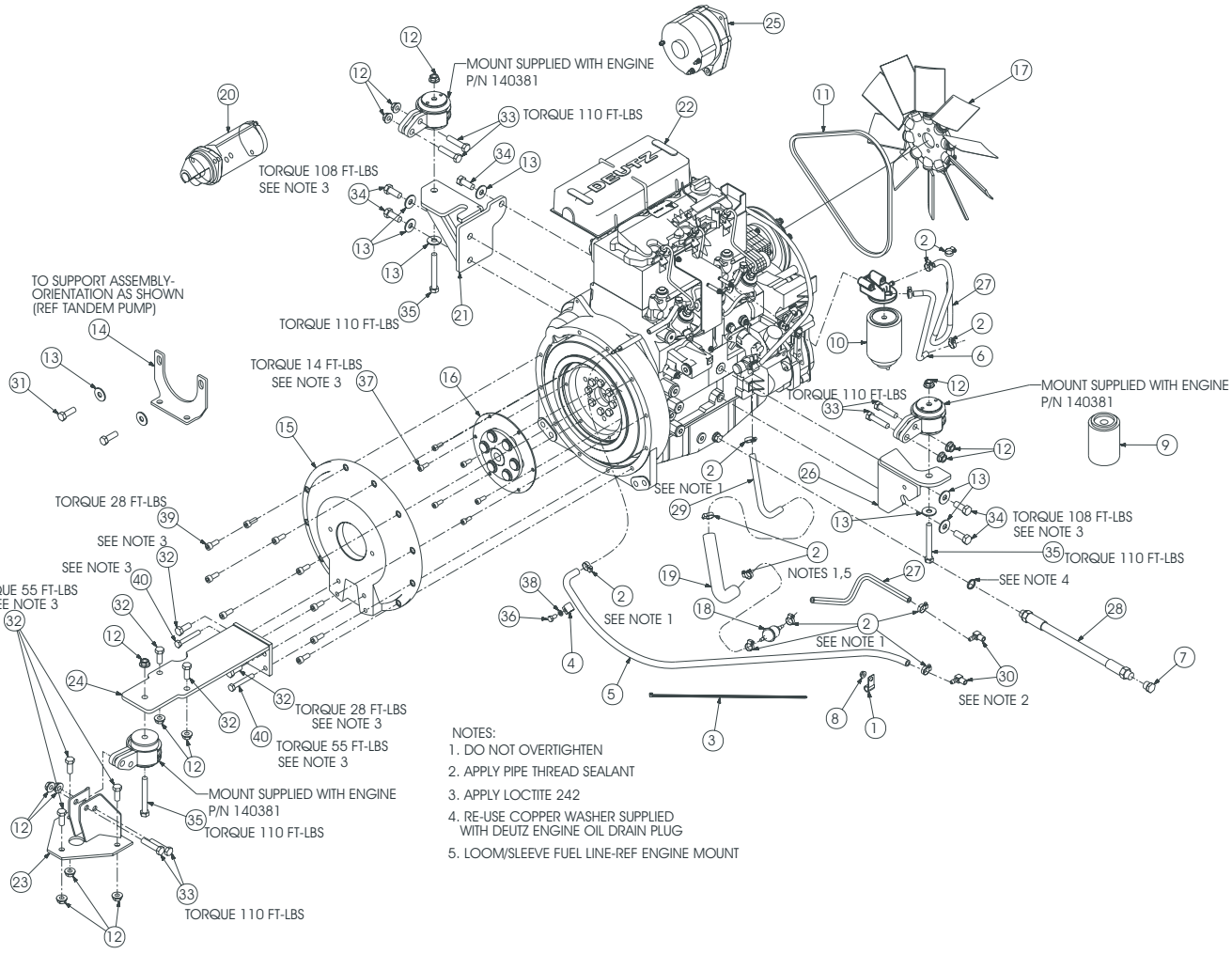
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Ref. No.	Part No.	Description	Quantity Rexroth Pump
1	134966	WASHER/FLAT HARDENED 1/2	2
2	190811	SPACER/PUMP MOUNT	1
3	650569	SCREW/CAP 1/2 X 1-3/4	2

Ref. No.	Part No.	Description	Quantity Eaton Pump
1	134853	NUT/SPIRALOCK™ 1/2	2
2	134966	WASHER/FLAT HARDENED 1/2	2
3	135448	SUPPORT/PUMP	1
4	650453	SCREW/CAP 1/2 X 1-1/2	2
5	650495	SCREW/CAP 1/2 X 1-1/4	2

3-Cylinder Engine - Naturally-Aspirated and Turbocharged - 4640 Models

SN 307900 and Before



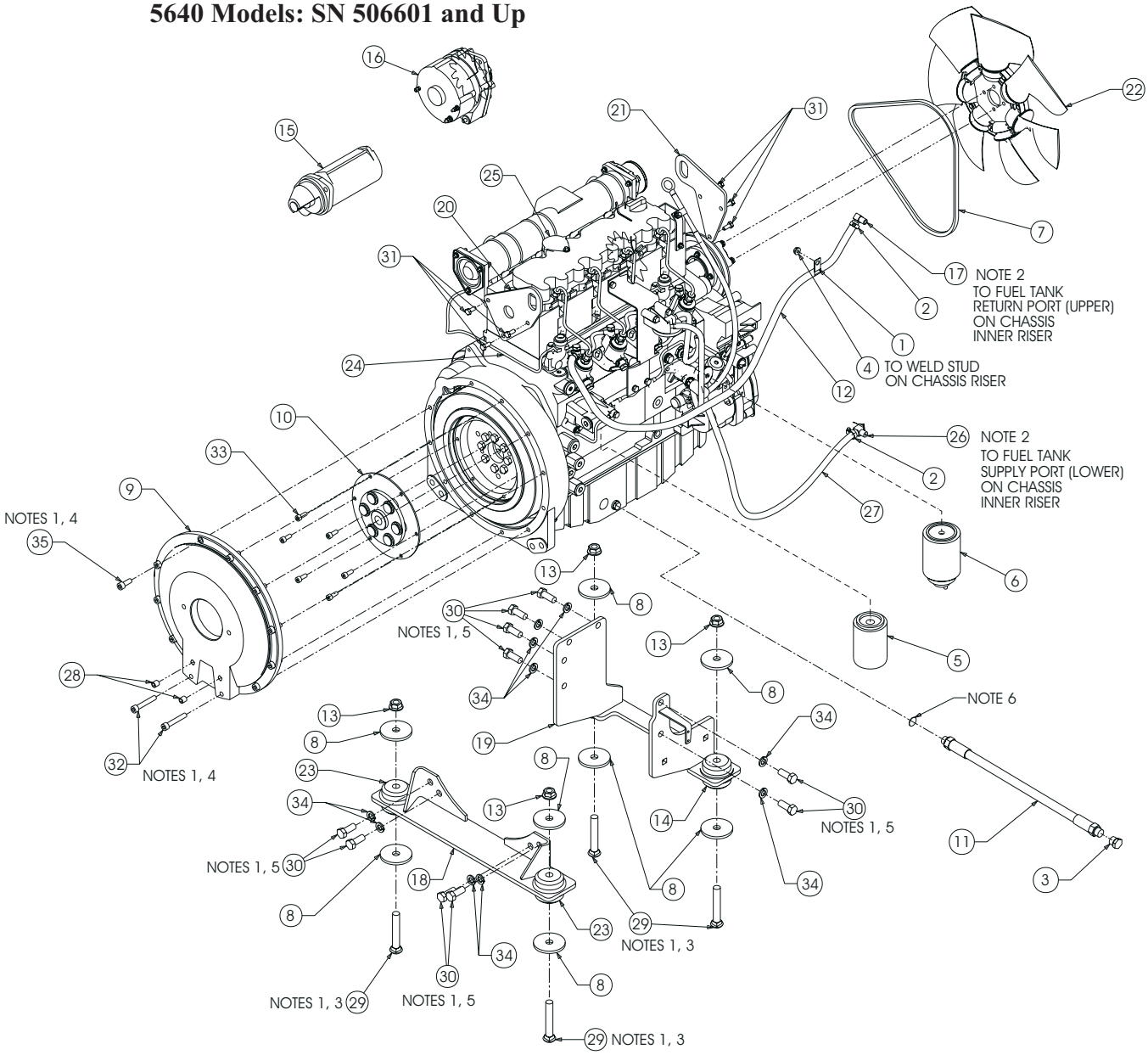
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Ref. No.	Part No.	Description	Quantity 4640 NA	Quantity 4640 Turbo
1	058615	CLAMP	1	1
2	062023	CLAMP/HOSE M5	12	12
3	074091	TIE/NYLON	1	1
4	076147	CLAMP/HOSE	1	1
5	078919	HOSE/FUEL 48"	1	1
6	081841	HOSE/FUEL	1	1
7	131529	PLUG SAE08	1	1
8	131842	NUT/SPIRALOCK™ 51/6	1	1
9	132023	FILTER/OIL	1	1
10	132024	FILTER/FUEL	1	1
11	132989	BELT/FAN 10 X 1050MM	1	1
12	134853	NUT/SPIRALOCK™ 1/2	14	14
13	134966	WASHER/FLAT HARDENED 1/2	9	9
14	135448	SUPPORT/PUMP	1	1
15	136056	HOUSING/FLYWHEEL	1	1
	P471548	WASHER/HARD 1/2	4	4
	650453	SCREW/CAP 1/2 X 1-1/2	4	4
16	136063	COUPLING/FLYWHEEL	1	1
17	136107	FAN 17"	1	1
18	137794	FILTER/IN-LINE FUEL	1	1
19	138454	SLEEVE/NYLON PROTECTIVE	1	1
20	138859	STARTER	1	1
21	139181	BRACKET/MOUNT RIGHT	1	1
22	190979	KIT/ENGINE/DEUTZ 3-CYLINDER NA	1	-
	190980	KIT/ENGINE/DEUTZ 3-CYLINDER TURBO	-	1
	187673	HOOK/ENG LIFT/REAR	1	1
	187674	HOOK/ENG LIFT/FRONT	1	1
	656001	SCREW/CAP M8 X 20 MM	6	6
	189847	CABLE/PRE-HEATING (GLOW PLUG CABLE)	1	1
	193269	PLUG/GLOW IN-CYLINDER	3	3
23	140380	SUPPORT/MOUNT	1	1
24	140386	SUPPORT	1	1
25	140859	ALTERNATOR/14V 95 A	1	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1	1
26	183954	BRACKET/MOTOR MOUNT	1	1
27	184296	HOSE/FUEL 5/16 X 25	2	2
28	184707	HOSE/OIL DRAIN	1	1
29	186068	HOSE/FUEL	1	1
30	186080	FITTING/BARB 5/16	2	2
31	650453	SCREW/CAP 1/2 X 1-1/2	2	2
32	650495	SCREW/CAP 1/2 X 1-1/4	7	7
33	651368	SCREW/CAP 1/2 X 2-1/4	6	6
34	651378	SCREW/CAP M14 X 35 MM	5	5
35	651551	SCREW/CAP 1/2 X 4	3	3
36	656093	SCREW/CAP M8 X 16 MM	1	1
37	656098	SCREW/CAP M8 X 20 MM	6	6
38	656110	WASHER/LOCK M8	1	1
39	656141	SCREW/CAP M10 X 25 MM	9	9
40	656188	SCREW/CAP M10 X 70 MM	2	2

ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
F3M2011	1550±50	2889
BF3M2011	1550±50	2778
F3M2011(EU) / BF3M2011(EU)	1550±50	2600± 25

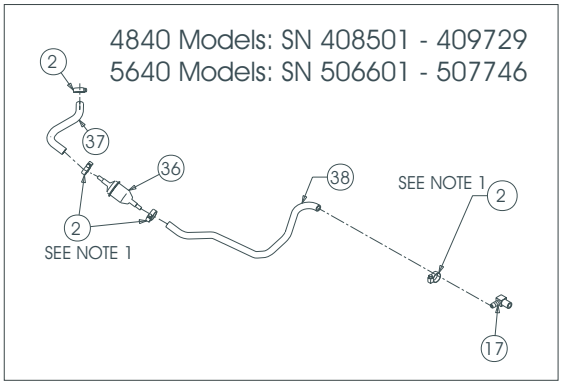
Naturally-Aspirated 4-Cylinder Engine
4840 and 5640 Models

4840 Models: SN 408501 and Up
5640 Models: SN 506601 and Up



NOTES

1. APPLY LOCTITE 242 OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 110 FT-LBS.
4. 28 FT-LBS
5. 108 FT-LBS
6. RE-USE COPPER WASHER SUPPLIED WITH DEUTZ ENGINE OIL DRAIN PLUG



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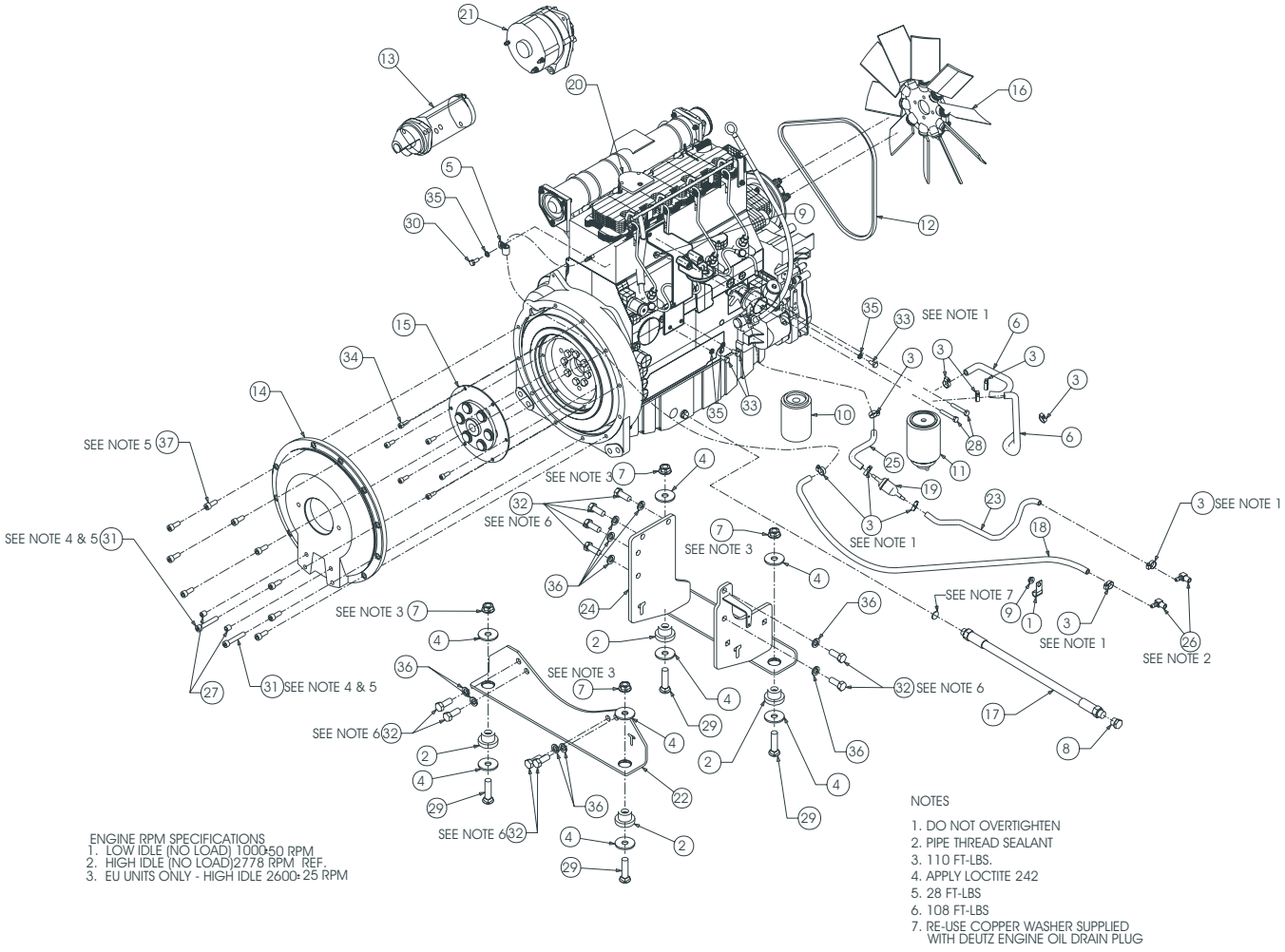
Ref. No.	Part No.	Description	Quantity 4840	Quantity 5640
1	058615	CLAMP	1	1
2	062023	CLAMP/HOSE M5	4	4
3	131529	PLUG SAE08	1	1
4	131842	NUT/SPIRALOCK™ 5/16	1	1
5	132023	FILTER/ENGINE OIL	1	1
6	132024	FILTER/FUEL	1	1
	650568	SCREW/CAP 5/16 X 2	2	2
7	132989	BELT/FAN 10 X 1050 MM	1	1
8	135427	WASHER/SNUBBING	8	8
9	136056	HOUSING/FLYWHEEL	1	1
	P471548	WASHER/HARD 1/2	4	4
	650453	SCREW/CAP 1/2 X 1-1/2	4	4
10	136063	COUPLING/FLYWHEEL	1	1
11	136203	HOSE ASSEMBLY/OIL DRAIN	1	1
12	136220	HOSE/FUEL 44”	1	1
13	136601	NUT/SPIRALOCK™ 5/8	4	4
14	137063	ISOLATOR	2	2
15	138859	STARTER	1	1
16	140859	ALTERNATOR 14 V 95 A	1	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1	1
17	186080	FITTING/BARB 5/16	1	1
18	187391	PLATE/MOTOR REAR	1	-
	187456	PLATE/MOTOR REAR	-	1
19	187395	MOUNT/MOTOR FRONT	1	-
	187459	MOUNT/MOTOR FRONT	-	1
20	187673	HOOK/ENG LIFT/REAR	1	1
21	187674	HOOK/ENG LIFT/FRONT	1	1
22	189599	FAN 17"	1	1
23	189640	ISOLATOR	2	2
24	189845	CABLE/PREHEATER (GLOW PLUG CABLE)	1	1
25	189986	ENGINE/DEUTZ F4M2011	1	1
	193269	PLUG/GLOW IN-CYLINDER	3	3
	133444	CAP/OIL FILLER	1	1
	191232	PLUG/THERMOSTAT (RED)	1	1
26	191735b	VALVE/FUEL SHUT OFF 90°	1	1
27	420-34933b	HOSE	1	1
28	650221	SCREW/SET 1/2 X 1/2	2	2
29	650843b	BOLT/CARRIAGE 5/8 X 4	4	-
	651656a	BOLT/CARRIAGE 5/8 X 4-1/2	4	4
30	651378	SCREW/CAP M14 X 35 MM	10	10
31	656001	SCREW/CAP M8 X 20 MM	6	6
32	656013	SCREW/CAP M10 X 60 MM	2	2
33	656098	SCREW/CAP M8 X 20 MM	6	6
34	656138	WASHER/LOCK M14	10	10
35	656141	SCREW/CAP M10 X 25 MM	9	9
36	137794a	FILTER/IN-LINE FUEL	1	1
37	186068a	HOSE/FUEL	1	1
38	420-34839a	HOSE/FUEL	1	1

a) 4840: SN 408501 - 409729. 5640: SN 506601 - 507746. Part number 651656 (Item #29) is a good number for 5640 Models.
b) 4840: SN 409730 and Up. 5640: SN 507747 and Up

ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
F4M2011F	1000±50	2778
F4M2011F(EU)	1000±50	2500+10/-20

Naturally-Aspirated 4-Cylinder Engine
4840 and 5640 Models

4840 Models: SN 408500 and Before
5640 Models: SN 506600 and Before



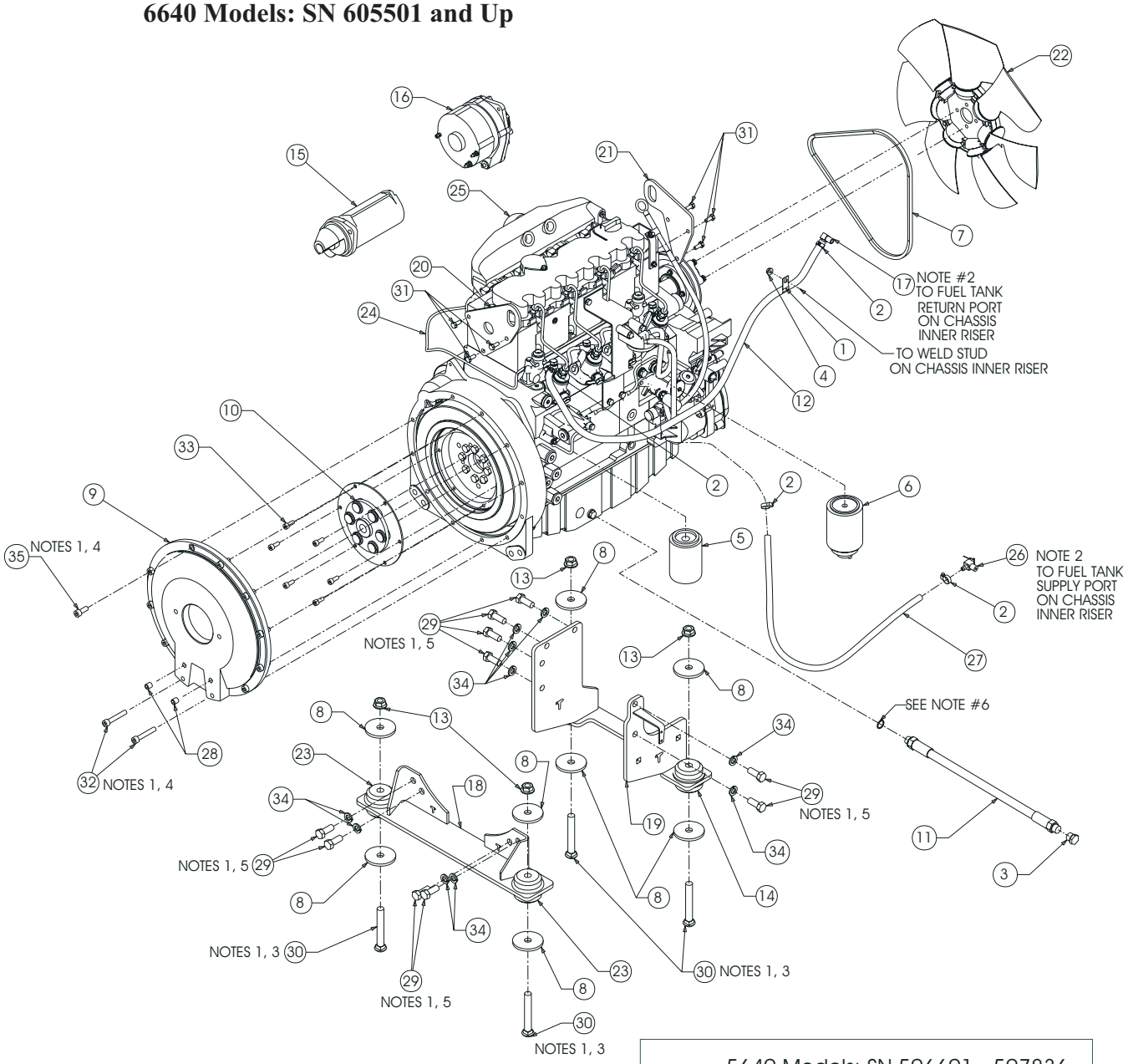
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Ref. No.	Part No.	Description	Quantity 4840	Quantity 5640
1	058615	CLAMP	1	1
2	060039	MOUNT/ISOLATOR	4	4
3	062023	CLAMP/HOSE M5	10	10
4	065756	WASHER/FLAT 41/64	8	8
5	076147	CLAMP/HOSE (Do Not Over tighten)	1	1
6	081841	HOSE/FUEL 5/16 X 16	2	2
7	129056	NUT/HEX FLANGED 5/8	4	4
8	131529	PLUG SAE08	1	1
9	131842	NUT/SPIRALOCK™ 5/16	3	3
10	132023	FILTER/ENGINE OIL	1	1
11	132024	FILTER/FUEL	1	1
12	132989	BELT/FAN 10 X 1050 MM	1	1
13	138859	STARTER	1	1
14	136056	HOUSING/FLYWHEEL	1	1
	P471548	WASHER/HARD 1/2	4	4
	650453	SCREW/CAP 1/2 X 1-1/2	4	4
15	136063	COUPLING/FLYWHEEL	1	1
16	136107	FAN/17” BREEZA	1	1
17	136203	HOSE ASSEMBLY/OIL DRAIN	1	1
18	136220	HOSE/FUEL 44”	1	1
19	137794	FILTER/IN-LINE FUEL	1	1
20	190981	KIT/ENGINE/DEUTZ F4M2011	1	1
	187673	HOOK/ENG LIFT/REAR	1	1
	187674	HOOK/ENG LIFT/FRONT	1	1
	656001	SCREW/CAP M8 X 20 MM	6	6
21	140859	ALTERNATOR 14 V 95 A	1	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1	1
22	140263	PLATE/MOTOR REAR	1	-
	140911	PLATE/MOTOR REAR	-	1
23	420-34839	HOSE/FUEL	1	1
24	186052	MOUNT/MOTOR FRONT	1	-
	186054	MOUNT/MOTOR FRONT	-	1
25	186068	HOSE/FUEL	1	1
26	186080	FITTING/BARB 5/16	2	2
27	650221	SCREW/SET 1/2 X 1/2	2	2
28	650568	SCREW/CAP 5/16 X 2	2	2
29	650763	BOLT/SQUARE NECK 5/8 X 2-1/2	4	4
30	656001	SCREW/CAP M8 X 20 MM	1	1
31	656013	SCREW/CAP M10 X 60 MM	2	2
32	656029	SCREW/CAP M14 X 35 MM	10	10
33	656093	SCREW/CAP M8 X 16 MM	3	3
34	656098	SCREW/CAP M8 X 20 MM	6	6
35	656110	WASHER/LOCK M8	4	4
36	656138	WASHER/LOCK M14	10	10
37	656141	SCREW/CAP M10 X 25 MM	9	9

ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
F4M2011F	1000±50	2778
F4M2011F(EU)	1000±50	2600±25

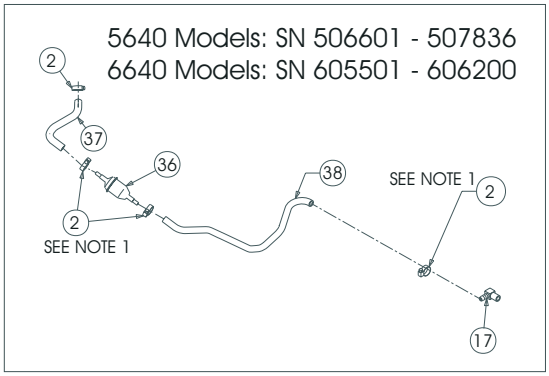
Turbocharged 4-Cylinder Engine
5640 and 6640 Models

5640 Models: SN 506601 and Up
6640 Models: SN 605501 and Up



NOTES

1. APPLY LOCTITE 242 OR EQUIVALENT
2. PIPE THREAD SEALANT
3. 110 FT-LBS.
4. 28 FT-LBS
5. 108 FT-LBS
6. RE-USE COPPER WASHER SUPPLIED WITH DEUTZ ENGINE OIL DRAIN PLUG



189614

Ref. No.	Part No.	Description	Quantity 5640/6640
1	058615	CLAMP/INSULATED HOSE	1
2	062023	CLAMP/HOSE M5	4
3	131529	PLUG SAE08	1
4	131842	NUT/SPIRALOCK™ 5/16	1
5	132023	FILTER/ENGINE OIL	1
6	132024	FILTER/FUEL	1
	650568	SCREW/CAP 5/16 X 2	2
7	132301	BELT/ALTERNATOR V-BELT	1
8	135427	WASHER/SNUBBING	8
9	136056	HOUSING/FLYWHEEL	1
	P471548	WASHER/HARD 1/2	4
	650453	SCREW/CAP 1/2 X 1-1/2	4
10	136063	COUPLING/FLYWHEEL	1
11	136203	HOSE ASSEMBLY/OIL DRAIN	1
12	136220	HOSE/FUEL 44”	1
13	136601	NUT/SPIRALOCK™ 5/8	4
14	137063	ISOLATOR	2
15	138859	STARTER	1
16	140859	ALTERNATOR 14 V 95 A	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1
17	186080	FITTING/BARB 5/16	1
18	187456	ASSY/MOUNT	1
19	187459	MOUNT/MOTOR	1
20	187673	HOOK/ENG LIFT/REAR	1
21	187674	HOOK/ENG LIFT/FRONT	1
22	188420	FAN 19"	1
23	189640	ISOLATOR	2
24	189845	CABLE/PREHEATER	1
25	189991	ENGINE/DEUTZ BF4M2011	1
	081841	HOSE/FUEL 5/16 X 16	2
26	191735b	VALVE/FUEL SHUT OFF 90°	1
27	420-34933b	HOSE	1
28	650221	SCREW/SET 1/2 X 1/2	2
29	651378	SCREW/CAP M14 X 35MM	10
30	651656	BOLT/CARRIAGE 5/8 X 4-1/2	4
31	656001	SCREW/CAP M8 X 20MM	6
32	656013	SCREW/CAP M10 X 60MM	2
33	656098	SCREW/CAP M8 X 20MM	6
34	656138	WASHER/LOCK M14	10
35	656141	SCREW/CAP M10 X 25MM	9
36	137794a	FILTER/IN-LINE FUEL	1
37	186068a	HOSE/FUEL	1
38	420-34839a	HOSE/FUEL	1

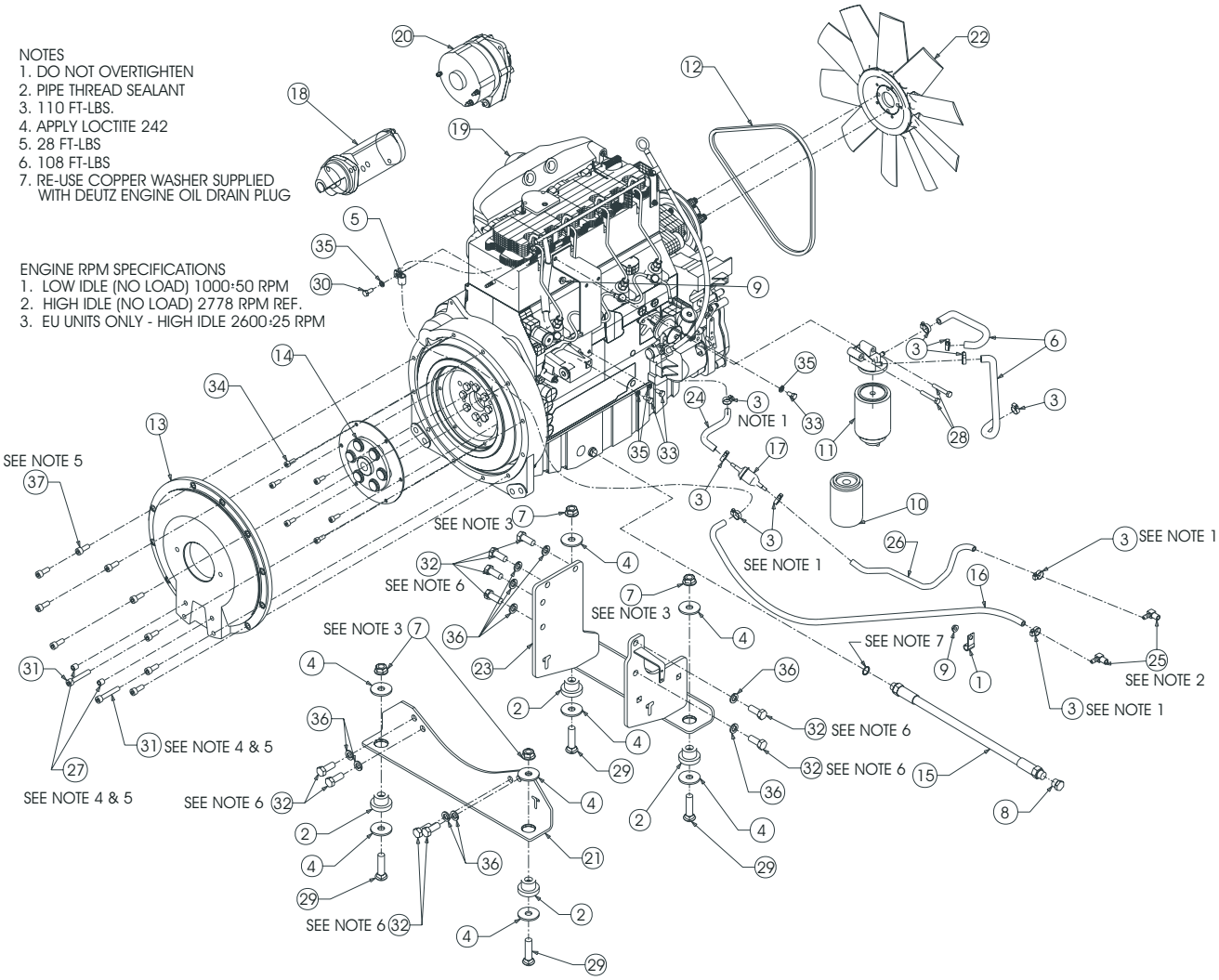
a) 5640: SN 506601 - 507836. 6640: SN 605501 - 606200.

b) 5640: SN 507837 and Up. 6640: SN 606201 and Up

ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
BF4M2011F	1000±50	2778
BF4M2011F (EU)	1000±50	2500+10/-20

Turbocharged 4-Cylinder Engine
5640 and 6640 Models

5640 Models: SN 506600 and Before
6640 Models: SN 605500 and Before

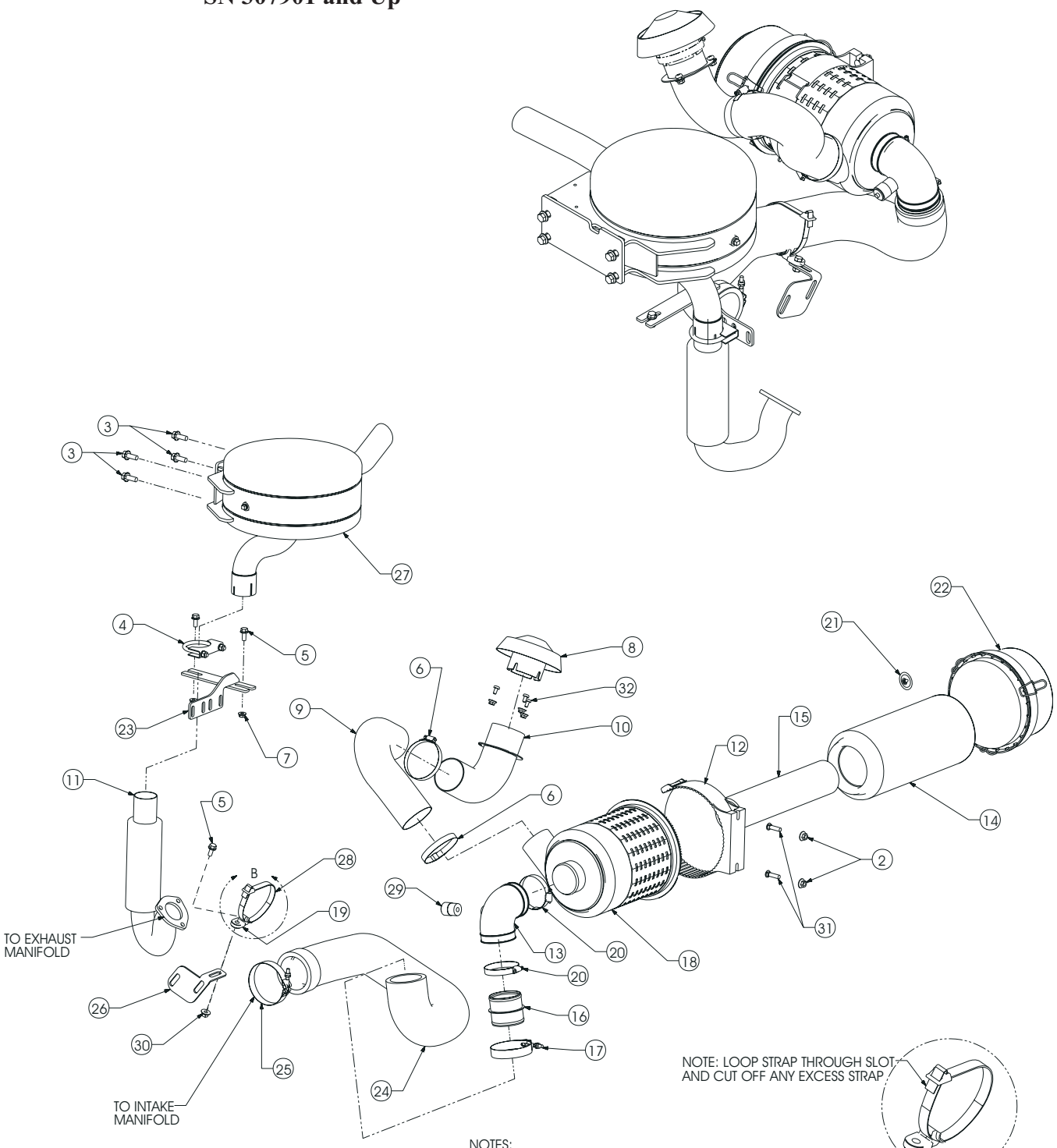


139511

Ref. No.	Part No.	Description	Quantity 5640/6640
1	058615	CLAMP/INSULATED HOSE	1
2	060039	MOUNT/ISOLATOR	4
3	062023	CLAMP/HOSE M5	10
4	065756	WASHER/FLAT 41/64	8
5	076147	CLAMP/HOSE (Do Not Over tighten)	1
6	081841	HOSE/FUEL 5/16 X 16	2
7	129056	NUT/HEX FLANGED 5/8	4
8	131529	PLUG SAE08	1
9	131842	NUT/SPIRALOCK™ 5/16	3
10	132023	FILTER/ENGINE OIL	1
11	132024	FILTER/FUEL	1
12	132989	BELT/FAN 10 X 1050 MM	1
13	136056	HOUSING/FLYWHEEL	1
	P471548	WASHER/HARD 1/2	4
	650453	SCREW/CAP 1/2 X 1-1/2	4
14	136063	COUPLING/FLYWHEEL	1
15	136203	HOSE ASSEMBLY/OIL DRAIN	1
16	136220	HOSE/FUEL 44”	1
17	137794	FILTER/IN-LINE FUEL	1
18	138859	STARTER	1
19	190982	KIT/ENGINE/DEUTZ BF4M2011	1
	187673	HOOK/ENG LIFT/REAR	1
	187674	HOOK/ENG LIFT/FRONT	1
	656001	SCREW/CAP M8 X 20 MM	6
20	140859	ALTERNATOR 14 V 95 A	1
	188126	ALTERNATOR/14V 95 A (LOWER COST OPTION)	1
21	140911	PLATE/MOTOR REAR	1
22	184414	FAN/19" CROWLEY	1
23	186054	MOUNT/MOTOR FRONT	1
24	186068	HOSE/FUEL	1
25	186080	FITTING/BARB 5/16	2
26	420-34839	HOSE/FUEL	1
27	650221	SCREW/SET 1/2 X 1/2	2
28	650568	SCREW/CAP 5/16 X 2	2
29	650763	BOLT/SQUARE NECK 5/8 X 2-1/2	4
30	656001	SCREW/CAP M8 X 20 MM	1
31	656013	SCREW/CAP M10 X 60 MM	2
32	656029	SCREW/CAP M14 X 35 MM	10
33	656093	SCREW/CAP M8 X 16 MM	3
34	656098	SCREW/CAP M8 X 20 MM	6
35	656110	WASHER/LOCK M8	4
36	656138	WASHER/LOCK M14	10
37	656141	SCREW/CAP M10 X 25 MM	9

ENGINE IDLE AND HIGH IDLE RPM CHART		
TYPE OF ENGINE	**IDLE (RPM)**	**HIGH IDLE (RPM)**
BF4M2011F	1000±50	2778
BF4M2011F (EU)	1000±50	2600±25

4640 Naturally-Aspirated Models
SN 307901 and Up

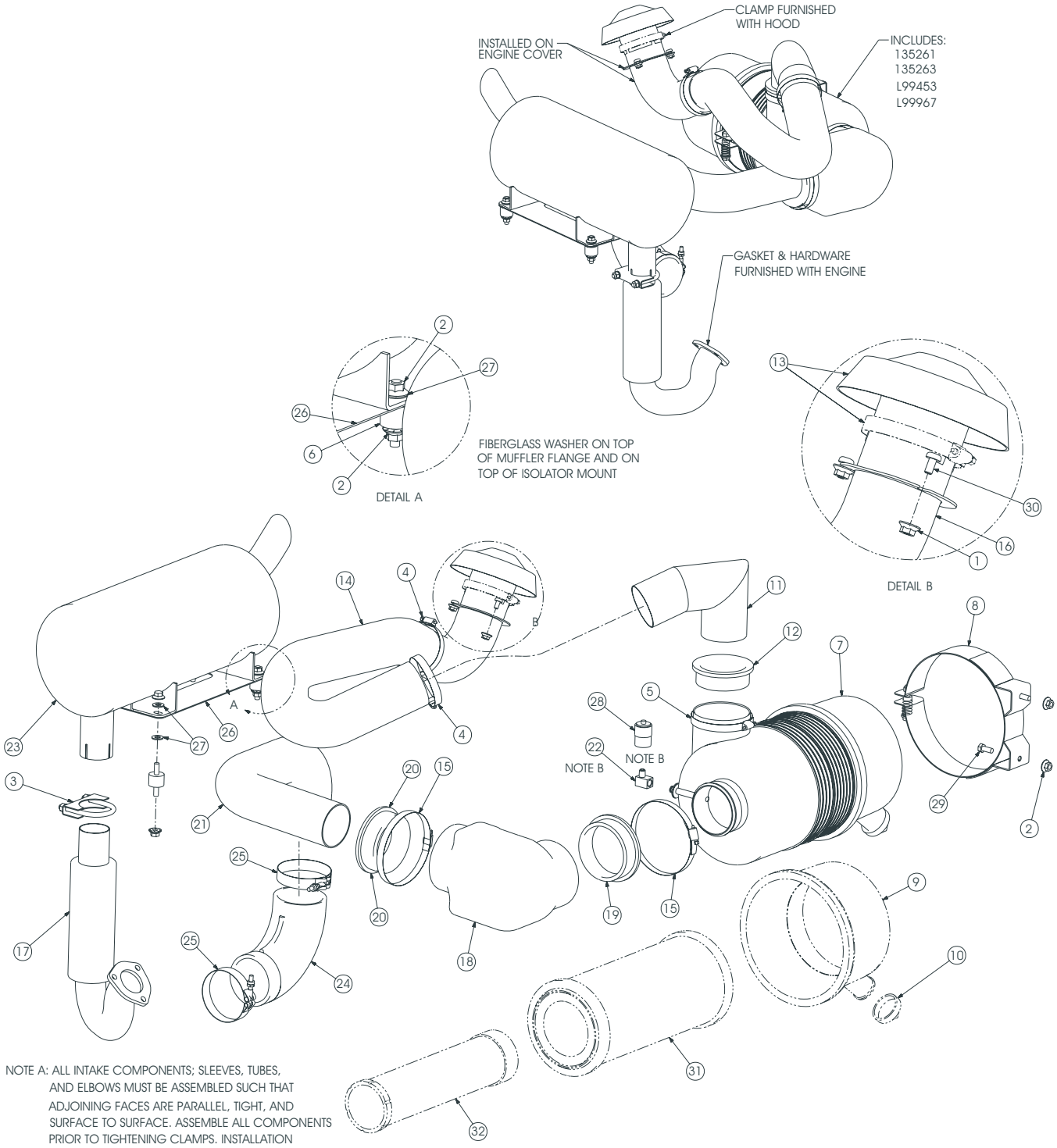


NOTES:
1. ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.
2. MAKE CERTAIN THAT INTAKE HOSES ARE ROUTED AND CLAMPED PROPERLY. NO INTERFERENCE WITH MUFFLER, FAN, SHROUD, AND CABLING.

189699

Ref. No.	Part No.	Description	Quantity 4640 NA
1	070634	NUT/SERRATED LOCK 1/4	3
2	070648	NUT/SERRATED LOCK 5/16	2
3	076589	SCREW/CAP LOCKING 3/8 X 1	4
4	078931	CLAMP/MUFFLER	1
5	081380	SCREW/CAP LOCKING 5/16 X 3/4	3
6	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2
7	131842	NUT/SPIRALOCK™ 5/16	2
8	135381	HOOD/AIR INLET	1
9	135384	HOSE/AIR INTAKE	1
10	140121	TUBE ASSEMBLY/FLANGED 90°	1
11	140530	TUBE ASSEMBLY/FLEX EXHAUST	1
12	183998	CLAMP/AIR CLEANER	1
13	184099	ELBOW/90° W/ INDICATOR	1
14	184146	FILTER ELEMENT/PRIMARY	1
15	184195	FILTER ELEMENT/SECONDARY	1
16	184278	COUPLING/INTAKE HOSE	1
17	184605	CLAMP/T-BOLT 3-1/2	1
18	186014	ASSEMBLY/AIR CLEANER	1
19	186251	MOUNT/HOSE CLAMP	1
20	187581	CLAMP/HOSE #44	2
21	187725	VALVE/VACUATOR	1
22	187726	END CAP/AIR CLEANER	1
23	189791	BRACKET/SUPPORT	1
24	189871	HOSE/INTAKE 3-CYL NA	1
25	190091	CLAMP/T-BOLT 3-3/4	1
26	190094	SUPPORT/HOSE	1
27	190739	MUFFLER	1
28	195106	TIE/NYLON ZIP 1/2 X 20	1
29	420-18160	GAUGE/RESTRICTION	1
30	650518	NUT/LOCK FLANGE 5/16	1
31	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2
32	651307	SCREW/PHILLIP ROUND HEAD 1/4 X 1/2	3

4640 Naturally-Aspirated Models
SN 307900 and Before



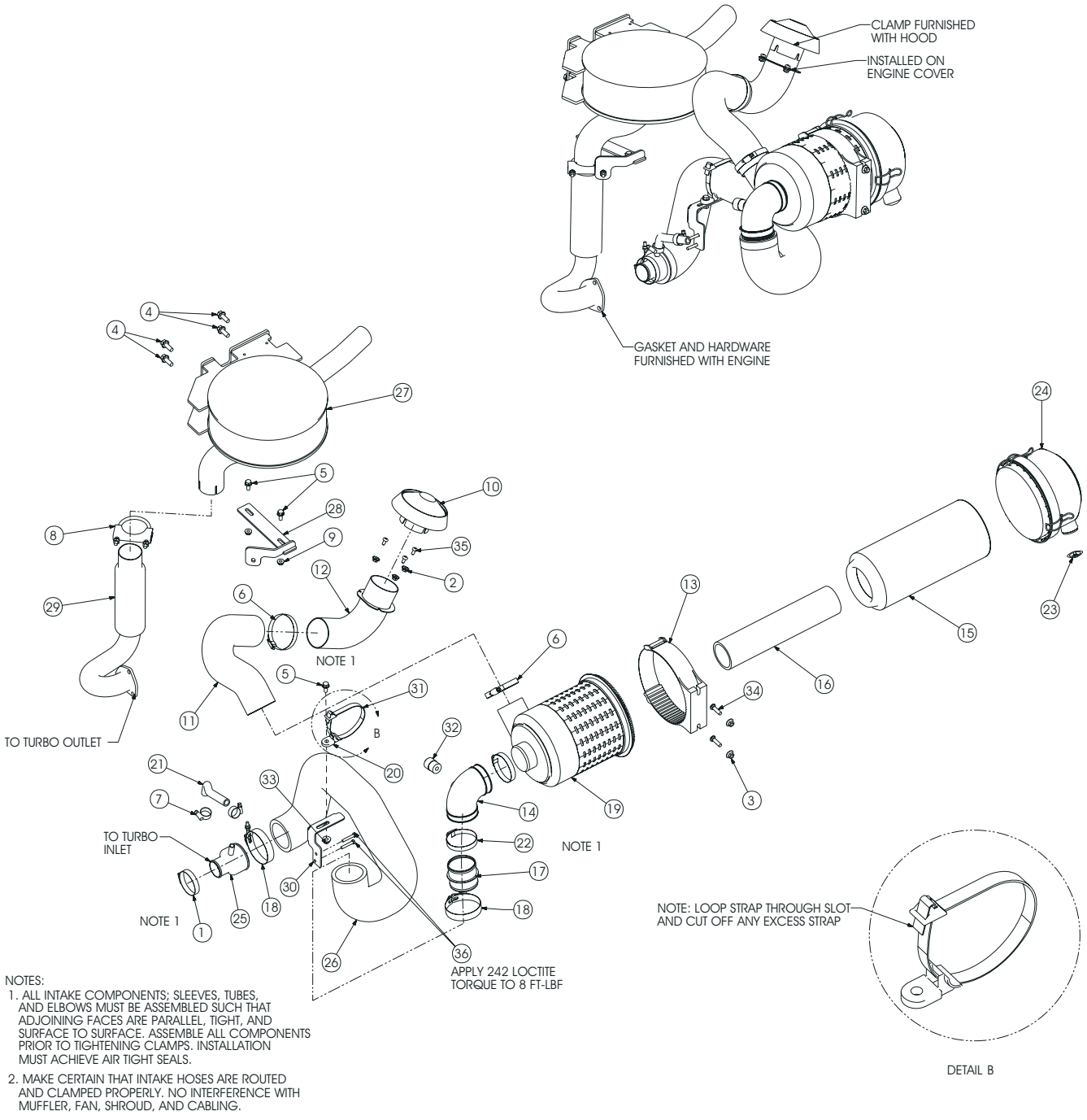
NOTE A: ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.

NOTE B: PIPE SEALANT REQUIRED (NO LOCTITE)

140817

Ref. No.	Part No.	Description	Quantity 4640 NA
1	070634	NUT/SERRATED LOCK 1/4	3
2	070648	NUT/SERRATED LOCK 5/16	10
3	078931	CLAMP/MUFFLER	1
4	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2
5	088937	CLAMP/HOSE #64 (DO NOT OVERTIGHTEN)	1
6	131706	ISOLATOR	4
7	135131	FILTER/AIR CLEANER	1
8	135157	CLAMP/FILTER	1
9	135261	COVER/ASSEMBLY	1
10	135263	EJECTOR/DUST	1
11	135372	TUBE/AIR CLEANER ELBOW	1
12	135377	SLEEVE/REDUCER INLET	1
13	135381	HOOD/AIR INLET	1
14	135384	HOSE/AIR INTAKE	1
15	137811	CLAMP/HOSE 3.62 TO 5.5	2
16	140121	TUBE ASSEMBLY/FLANGED 90°	1
17	140530	TUBE ASSEMBLY/FLEX EXHAUST	1
18	140775	COBRA 4”	1
19	140776	SLEEVE/INTAKE REDUCER	1
20	140819	SLEEVE/INTAKE	1
21	140825	TUBE/INTAKE	1
22	183018	ADAPTOR 90° MP02 X FP02	1
23	183582	MUFFLER/SPARK ARRESTOR	1
24	183646	ELBOW/INTAKE 90°	1
25	184605	CLAMP/T-BOLT 3-1/2	2
26	184686	PLATE/HEAT SHIELD	1
27	184688	WASHER/FIBERGLASS	8
28	420-18160	GAUGE/RESTRICTION	1
29	650486	SCREW/CAP 5/16 X 3/4	2
30	651307	SCREW/PHILLIP ROUND HEAD 1/4 X 1/2	3
31	L99453	FILTER ELEMENT/PRIMARY	1
32	L99967	FILTER ELEMENT/SECONDARY	1

4640 Turbocharged Models
SN 307901 and Up

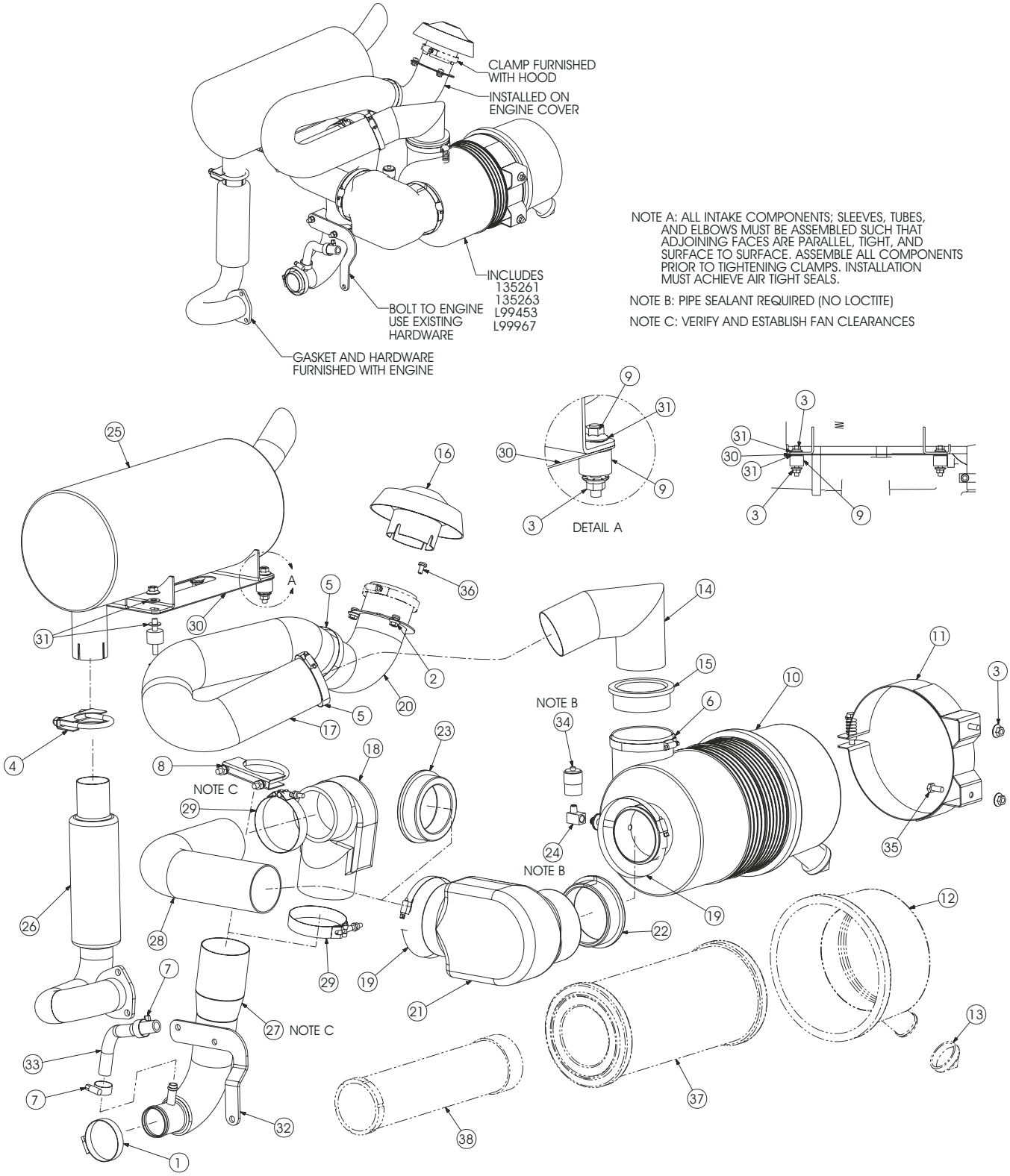


NOTES:
1. ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.
2. MAKE CERTAIN THAT INTAKE HOSES ARE ROUTED AND CLAMPED PROPERLY. NO INTERFERENCE WITH MUFFLER, FAN, SHROUD, AND CABLING.

189588

Ref. No.	Part No.	Description	Quantity 4640 Turbo
1	061166	CLAMP/HOSE	1
2	070634	NUT/SERRATED LOCK 1/4	3
3	070648	NUT/SERRATED LOCK 5/16	2
4	076589	SCREW/CAP LOCKING 3/8 X 1	4
5	081380	SCREW/CAP LOCKING 5/16 X 3/4	3
6	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2
7	095955	CLAMP/HOSE	2
8	127428	CLAMP/MUFFLER	1
9	131842	NUT/SPIRALOCK™ 5/16	2
10	135381	HOOD/AIR INLET	1
11	135384	HOSE/AIR INTAKE	1
12	140121	TUBE ASSEMBLY/FLANGED 90°	1
13	183998	CLAMP/AIR CLEANER	1
14	184099	ELBOW/90° W/ INDICATOR	1
15	184146	FILTER ELEMENT/PRIMARY	1
16	184195	FILTER ELEMENT/SECONDARY	1
17	184278	COUPLING/INTAKE HOSE	1
18	184605	CLAMP/T-BOLT 3-1/2	2
19	186014	ASSEMBLY/AIR CLEANER	1
20	186251	MOUNT/HOSE CLAMP	1
21	187350	HOSE/BREATHER LINE	1
22	187581	CLAMP/HOSE #44	2
23	187725	VALVE/VACUATOR	1
24	187726	END CAP/AIR CLEANER	1
25	189685	REDUCER/INTAKE TURBO	1
26	189925	HOSE/INTAKE 3-CYL TURBO	1
27	190157	MUFFLER	1
28	190167	BRACKET/SUPPORT	1
29	190279	TUBE ASSEMBLY/FLEX EXHAUST	1
30	190472	BRACKET/HOSE SUPPORT	1
31	195106	TIE/NYLON ZIP 1/2 X 20	1
32	420-18160	GAUGE/RESTRICTION	1
33	650518	NUT/LOCK FLANGE 5/16	1
34	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2
35	651307	SCREW/PHILLIP ROUND HEAD 1/4 X 1/2	3
36	651652	SCREW/CAP M6 X 35 MM	2

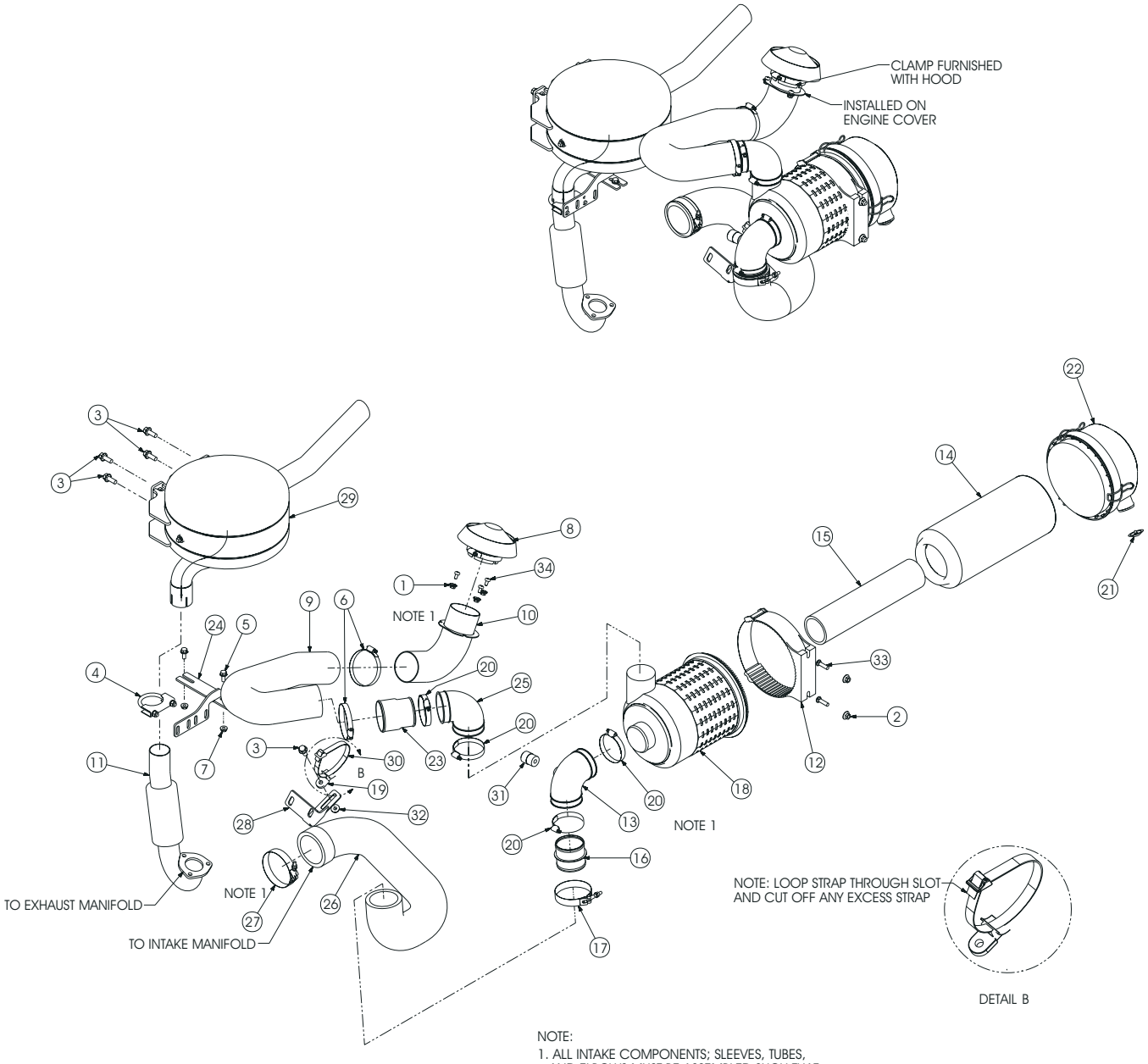
4640 Turbocharged Models
SN 307900 and Before



Ref. No.	Part No.	Description	Quantity 4640 Turbo
1	061166	CLAMP/HOSE	1
2	070634	NUT/SERRATED LOCK 1/4	3
3	070648	NUT/SERRATED LOCK 5/16	10
4	078931	CLAMP/MUFFLER	1
5	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2
6	088937	CLAMP/HOSE #64 (DO NOT OVERTIGHTEN)	1
7	095955	CLAMP/HOSE (DO NOT OVERTIGHTEN)	2
8	127428	CLAMP/MUFFLER	1
9	131706	ISOLATOR	4
10	135131	FILTER ASSEMBLY/AIR CLEANER	1
11	135157	CLAMP/FILTER	1
12	135261	COVER	1
13	135263	EJECTOR/DUST	1
14	135372	TUBE/AIR CLEANER	1
15	135377	SLEEVE/REDUCER INLET	1
16	135381	HOOD/AIR INLET	1
17	135384	HOSE/AIR INTAKE	1
18	137287	ELBOW/COBRA 90°	1
19	137811	CLAMP/HOSE 3-5/8 - 5-1/2	2
20	140121	TUBE/FLANGED 90°	1
21	140775	COBRA 4”	1
22	140776	SLEEVE/INTAKE REDUCER	1
23	140819	SLEEVE/INTAKE	1
24	183018	ADAPTOR 90° MP02 X FP02	1
25	183592	MUFFLER/NON-ARRESTING	1
26	183600	TUBE ASSEMBLY/FLEX EXHAUST	1
	133364	GASKET	1
27	183626	TUBE ASSEMBLY/TURBO PORT	1
28	183636	TUBE/INTAKE	1
29	184605	CLAMP/T-BOLT 3-1/2	2
30	184686	PLATE/HEAT SHIELD	1
31	184688	WASHER/FIBERGLASS	8
32	186856	BAR/INTAKE SUPPORT	1
33	187350	HOSE/BREATHER LINE	1
34	420-18160	GAUGE/RESTRICTION	1
35	650486	SCREW/CAP 5/16 X 3/4	2
36	651307	SCREW/PHILLIPS ROUND HEAD 1/4 X 1/2	3
37	L99453	FILTER ELEMENT/PRIMARY	1
38	L99967	FILTER ELEMENT/SECONDARY	1

4840 and 5640 Naturally-Aspirated Models

4840: SN 408501 and Up 5640: SN 506601 and Up



NOTE:

1. ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.
2. MAKE CERTAIN THAT INTAKE HOSES ARE ROUTED AND CLAMPED PROPERLY. NO INTERFERENCE WITH MUFFLER, FAN, SHROUD, AND CABLING.

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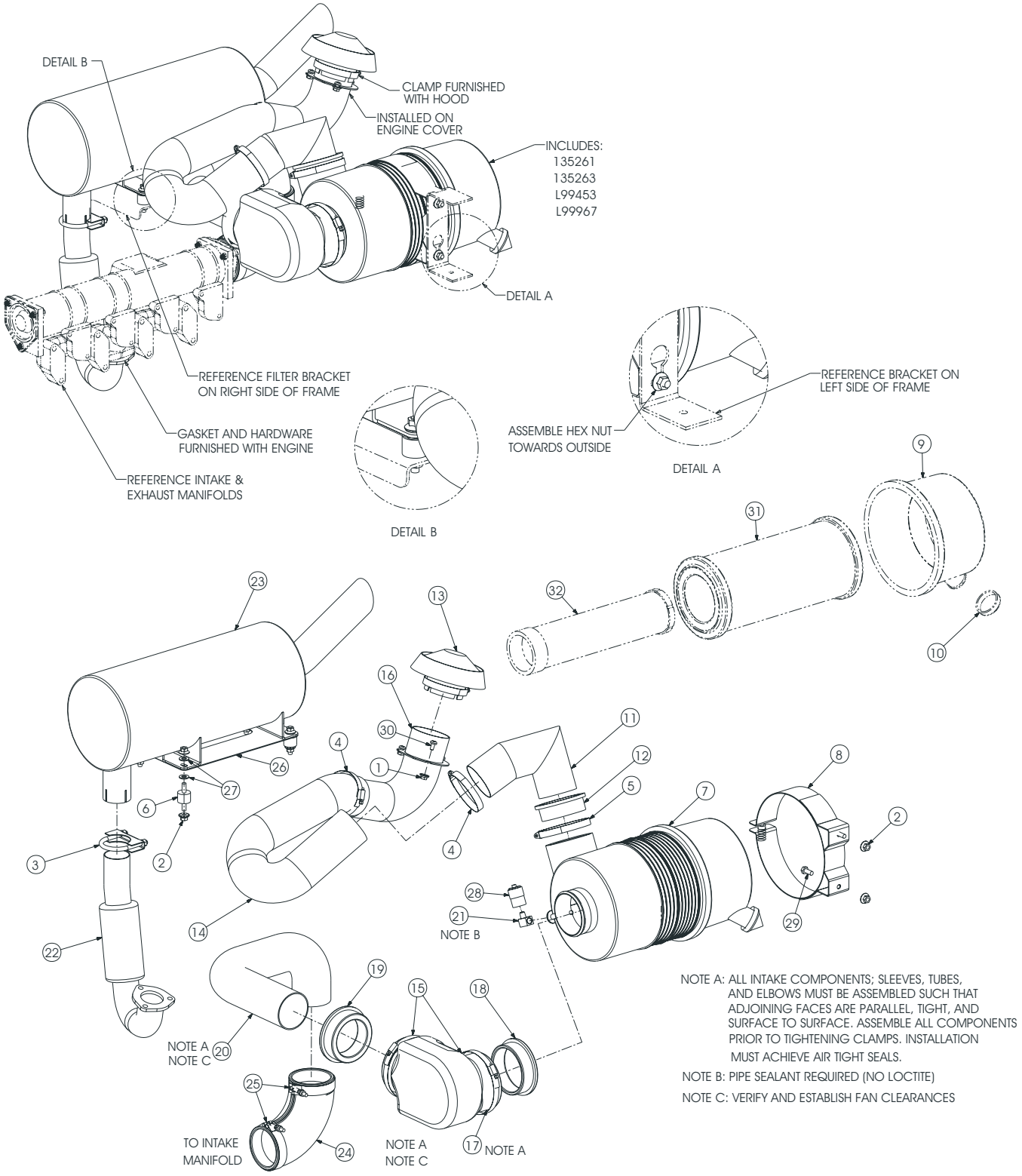
Ref. No.	Part No.	Description	NA Quantity 4840	5640
1	070634	NUT/SERRATED LOCK 1/4	3	3
2	070648	NUT/FLANGED LOCK 5/16	2	2
3	076589	SCREW/CAP LOCKING 3/8 X 1	5	5
4	078931	CLAMP/MUFFLER	1	1
5	081380	SCREW/CAP LOCKING 5/16 X 3/4	2	2
6	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2	2
7	131842	NUT/SPIRALOCK™ 5/16	2	2
8	135381	HOOD/AIR INLET	1	1
9	135384	HOSE/AIR INTAKE	1	1
10	140121	TUBE/FLANGED 90°	1	1
11	140689	TUBE/EXHAUST FLEX	1	-
	183159	TUBE/EXHAUST FLEX	-	1
12	183998	CLAMP/AIR CLEANER	1	1
13	184099	ELBOW/90° W/ INDICATOR	1	1
14	184146	FILTER ELEMENT/PRIMARY	1	1
15	184195	FILTER ELEMENT/SECONDARY	1	1
16	184278	COUPLING/INTAKE HOSE	1	1
17	184605	CLAMP/T-BOLT 3-1/2	1	1
18	186014	ASSEMBLY/AIR CLEANER	1	1
19	186251	MOUNT/HOSE CLAMP	1	1
20	187581	CLAMP/HOSE #44	4	4
21	187725	VALVE/VACUATOR	1	1
22	187726	END CAP/AIR CLEANER	1	1
23	189673	REDUCER/INTAKE	1	1
24	189791	BRACKET/SUPPORT	1	1
25	189798	ELBOW/90°	1	1
26	189926	HOSE/INTAKE	1	-
	189915	HOSE/INTAKE	-	1
27	190091	CLAMP/T-BOLT 3-3/4	1	1
28	190094	SUPPORT/HOSE	1	-
	190322	SUPPORT/HOSE	-	1
29	190740b	MUFFLER	1	-
	190191a	MUFFLER	1	-
	190742b	MUFFLER	-	1
	189906a	MUFFLER	-	1
30	195106	TIE/NYLON ZIP 1/2 X 20	1	1
31	420-18160	GAUGE/RESTRICTION	1	1
32	650518	NUT/LOCK FLANGE 5/16	1	1
33	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2	2
34	651307	SCREW/PHILLIPS ROUND HEAD 1/4 X 1/2	3	3

a) 4840: SN 408501-409490. 5640: SN 506601-507826

b) 4840: SN 409491 and Up. 5640: SN 507827 and Up

4840 and 5640 Naturally-Aspirated Models

4840: SN 408500 and Before 5640: SN 506600 and Before

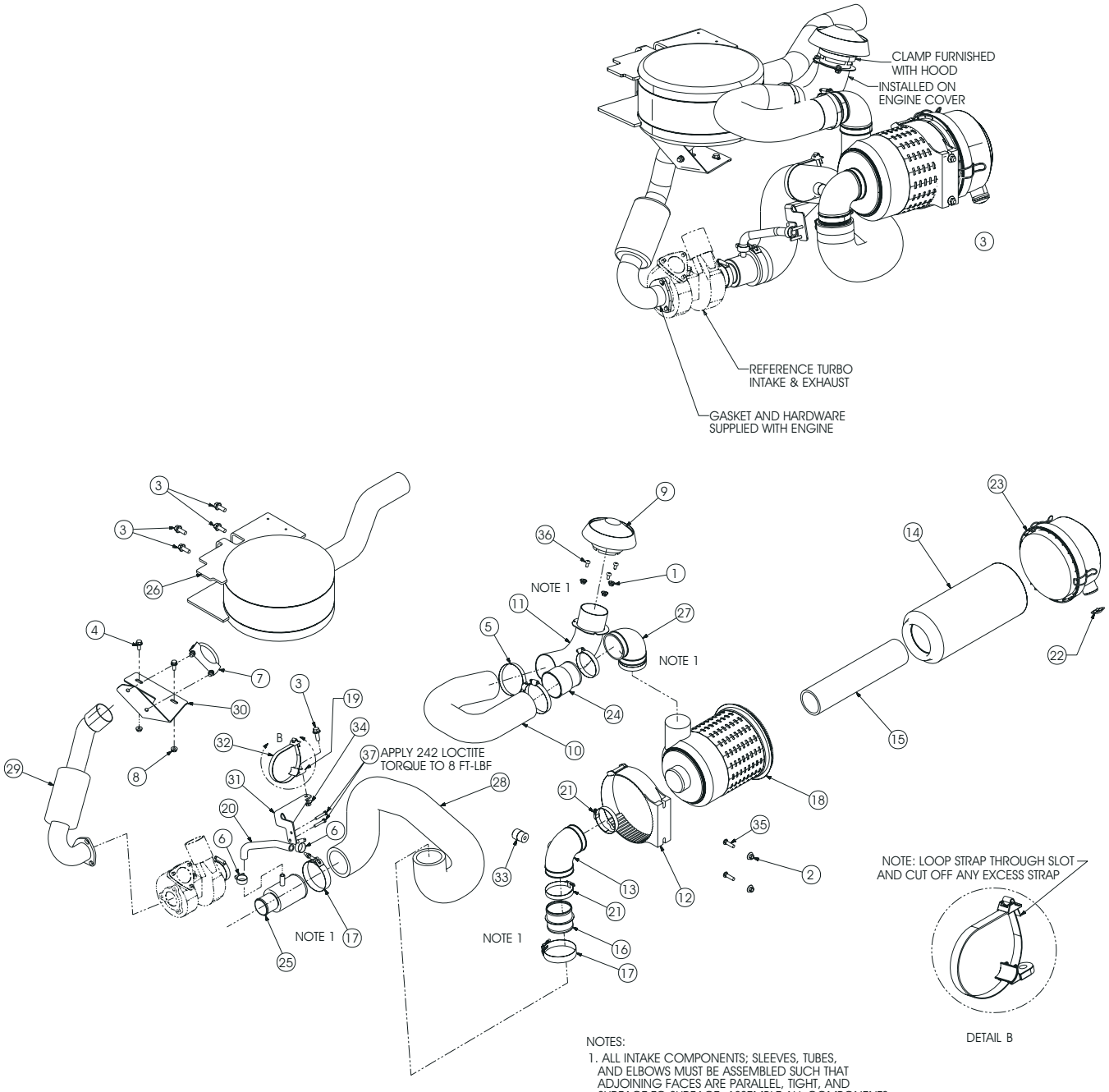


183160

Ref. No.	Part No.	Description	NA Quantity 4840	5640
1	070634	NUT/SERRATED LOCK 1/4	3	3
2	070648	NUT/FLANGED LOCK 5/16	10	10
3	078931	CLAMP/MUFFLER	1	1
4	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2	2
5	088937	CLAMP/HOSE #64 (DO NOT OVERTIGHTEN)	1	1
6	131706	ISOLATOR	4	4
7	135131	FILTER ASSEMBLY/AIR CLEANER	1	1
8	135157	CLAMP/FILTER	1	1
9	135261	COVER	1	1
10	135263	EJECTOR/DUST	1	1
11	135372	TUBE/AIR CLEANER	1	1
12	135377	SLEEVE/REDUCER INLET	1	1
13	135381	HOOD/AIR INLET	1	1
14	135384	HOSE/AIR INTAKE	1	1
15	137811	CLAMP/HOSE 3-5/8 - 5-1/2	2	2
16	140121	TUBE/FLANGED 90°	1	1
17	140775	INTAKE/ADAPTOR	1	1
18	140776	REDUCER SLEEVE/INTAKE	1	1
19	140819	SLEEVE/INTAKE	1	1
20	140825	TUBE/INTAKE	1	1
21	183018	ADAPTER/90°	1	1
22	140689	TUBE/EXHAUST FLEX	1	-
	183159	TUBE/EXHAUST FLEX	-	1
23	140554	MUFFLER/ARRESTOR	1	-
	183166	MUFFLER/ARRESTOR	-	1
24	183646	ELBOW/90°	1	1
25	184605	CLAMP/T-BOLT 3-1/2	2	2
26	184686	PLATE/HEAT SHIELD	1	1
27	184688	WASHER/FIBERGLASS	8	8
28	420-18160	GAUGE/RESTRICTION	1	1
29	650486	SCREW/CAP 5/16 X 3/4	2	2
30	651307	SCREW/PHILLIPS ROUND HEAD 1/4 X 1/2	3	3
31	L99453	FILTER ELEMENT/PRIMARY	1	1
32	L99967	FILTER ELEMENT/SECONDARY	1	1

5640 and 6640 Turbocharged Models

5640: SN 506601 and Up 6640: SN 605501 and Up



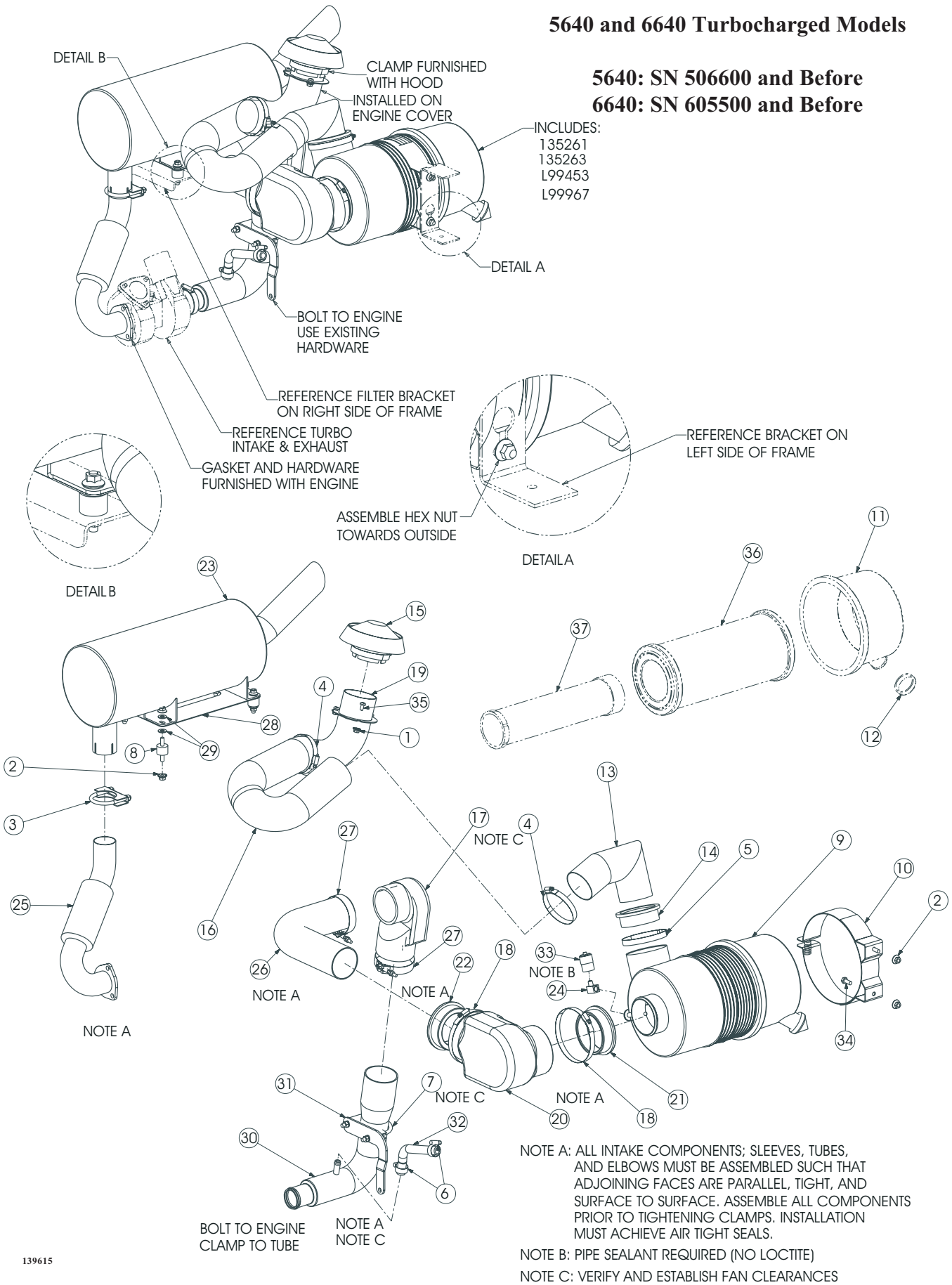
NOTES:

1. ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.
2. MAKE CERTAIN THAT INTAKE HOSES ARE ROUTED AND CLAMPED PROPERLY. NO INTERFERENCE WITH MUFFLER, FAN, SHROUD, AND CABLING.

189615

Ref. No.	Part No.	Description	Quantity 5640/6640 Turbo
1	070634	NUT/SERRATED LOCK 1/4	3
2	070648	NUT/FLANGED LOCK 5/16	2
3	076589	SCREW/CAP LOCKING 3/8 X 1	5
4	081380	SCREW/CAP LOCKING 5/16 X 3/4	2
5	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	2
6	095955	CLAMP/HOSE	2
7	127428	CLAMP/MUFFLER 2-1/2	1
8	131842	NUT/SPIRALOCK™ 5/16	2
9	135381	HOOD/AIR INLET	1
10	135384	HOSE/AIR INTAKE	1
11	140121	TUBE/FLANGED 90°	1
12	183998	CLAMP/AIR CLEANER	1
13	184099	ELBOW 90 WITH INDICATOR TAP	1
14	184146	FILTER ELEMENT/PRIMARY	1
15	184195	FILTER ELEMENT/SECONDARY	1
16	184278	COUPLING/INTAKE HOSE	1
17	184605	CLAMP/T-BOLT 3-1/2	2
18	186014	CLEANER/AIR	1
19	186251	MOUNT/HOSE CLAMP	1
20	187350	HOSE/BREATHER LINE	1
21	187581	CLAMP/HOSE #44	4
22	187725	VALVE/VACUATOR	1
23	187726	END CAP/AIR CLEANER	1
24	189673	REDUCER/INTAKE	1
25	189684	REDUCER/INTAKE TURBO	1
26	189781	MUFFLER	1
27	189798	ELBOW 90°	1
28	189927	HOSE/INTAKE	1
29	190001	TUBE/EXHAUST FLEX	1
30	190003	BRACKET/MUFFLER	1
31	190470	BRACKET/HOSE SUPPORT	1
32	195106	TIE/NYLON ZIP 1/2 X 20	1
33	420-18160	GAUGE/RESTRICTION	1
34	650518	NUT/LOCK FLANGE 5/16	1
35	650745	BOLT/CARRIAGE 5/16 X 1-1/4	2
36	651307	SCREW/PHILLIPS ROUND HEAD 1/4 X 1/2	3
37	651652	SCREW/CAP M6 X 35 MM	2

AIR CLEANER AND MUFFLER



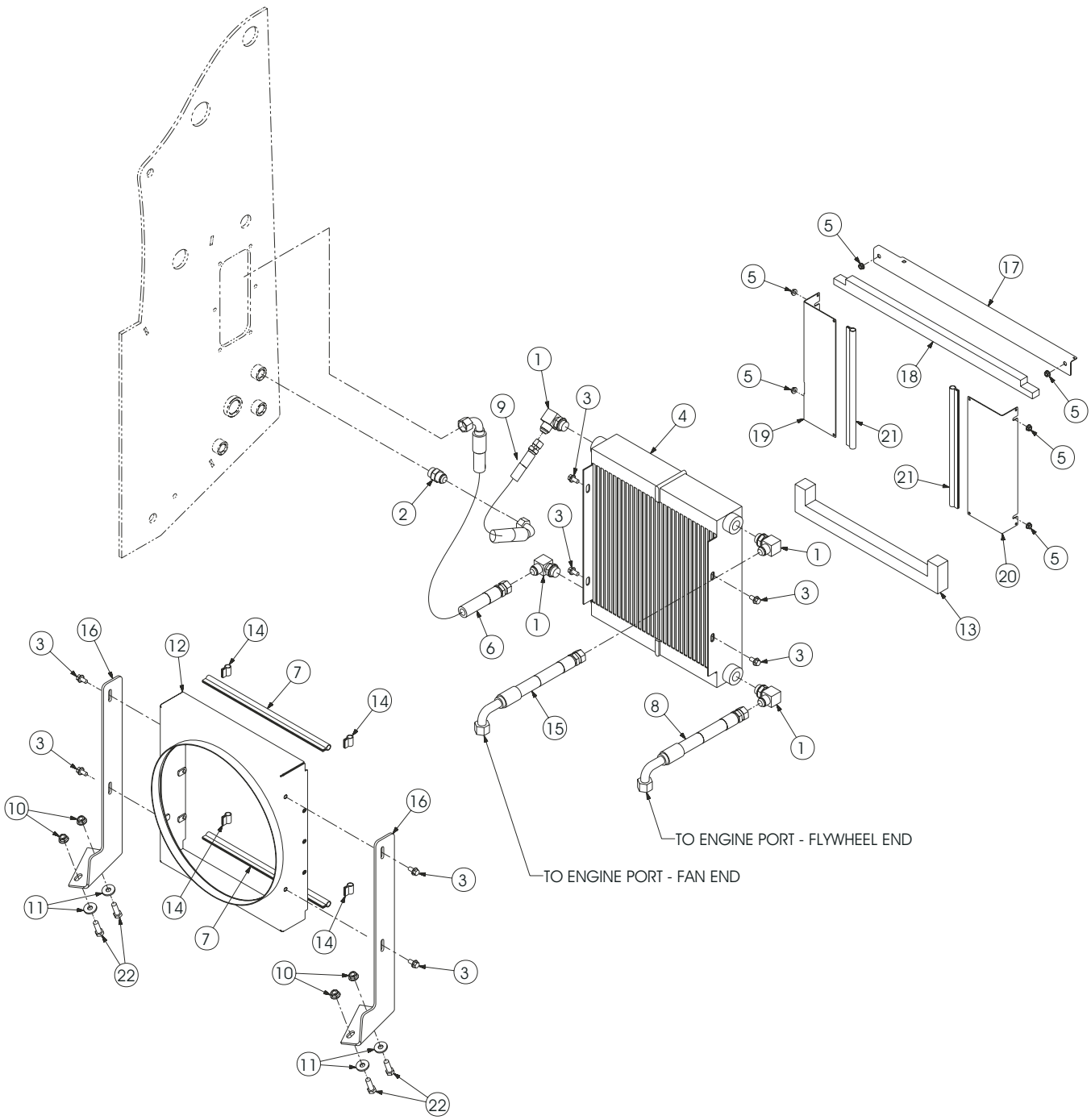
NOTE A: ALL INTAKE COMPONENTS; SLEEVES, TUBES, AND ELBOWS MUST BE ASSEMBLED SUCH THAT ADJOINING FACES ARE PARALLEL, TIGHT, AND SURFACE TO SURFACE. ASSEMBLE ALL COMPONENTS PRIOR TO TIGHTENING CLAMPS. INSTALLATION MUST ACHIEVE AIR TIGHT SEALS.

NOTE B: PIPE SEALANT REQUIRED (NO LOCTITE)

NOTE C: VERIFY AND ESTABLISH FAN CLEARANCES

Ref. No.	Part No.	Description	Quantity 5640/6640 Turbo
1	070634	NUT/SERRATED LOCK 1/4	3
2	070648	NUT/FLANGED LOCK 5/16	10
3	078931	CLAMP/MUFFLER	1
4	087849	CLAMP/HOSE #52 (DO NOT OVERTIGHTEN)	3
5	088937	CLAMP/HOSE #64 (DO NOT OVERTIGHTEN)	1
6	095955	CLAMP/HOSE	2
7	127428	CLAMP/MUFFLER 2-1/2	1
8	131706	ISOLATOR	4
9	135131	FILTER ASSEMBLY/AIR CLEANER	1
10	135157	CLAMP/FILTER	1
11	135261	COVER	1
12	135263	EJECTOR/DUST	1
13	135372	TUBE/AIR CLEANER	1
14	135377	SLEEVE/REDUCER INLET	1
15	135381	HOOD/AIR INLET	1
16	135384	HOSE/AIR INTAKE	1
17	137287	ELBOW/90°	1
18	137811	CLAMP/HOSE 3-5/8 - 5-1/2	2
19	140121	TUBE/FLANGED 90°	1
20	140775	INTAKE/ADAPTOR	1
21	140776	REDUCER SLEEVE/INTAKE	1
22	140819	SLEEVE/INTAKE	1
23	140840	MUFFLER/NON-ARRESTING	1
24	183018	ADAPTER/90°	1
25	183022	TUBE/FLEX TURBO	1
	133364	GASKET	1
26	183636	TUBE/INTAKE	1
27	184605	CLAMP/T-BOLT 3-1/2	2
28	184686	PLATE/HEAT SHIELD	1
29	184688	WASHER/FIBERGLASS	8
30	187345	TUBE ASSY/TURBO PORT	1
31	187349	BAR/INTAKE SUPPORT	1
32	187350	HOSE/BREATHER LINE	1
33	420-18160	GAUGE/RESTRICTION	1
34	650486	SCREW/CAP 5/16 X 3/4	2
35	651307	SCREW/PHILLIPS ROUND HEAD 1/4 X 1/2	3
36	L99453	FILTER ELEMENT/PRIMARY	1
37	L99967	FILTER ELEMENT/SECONDARY	1

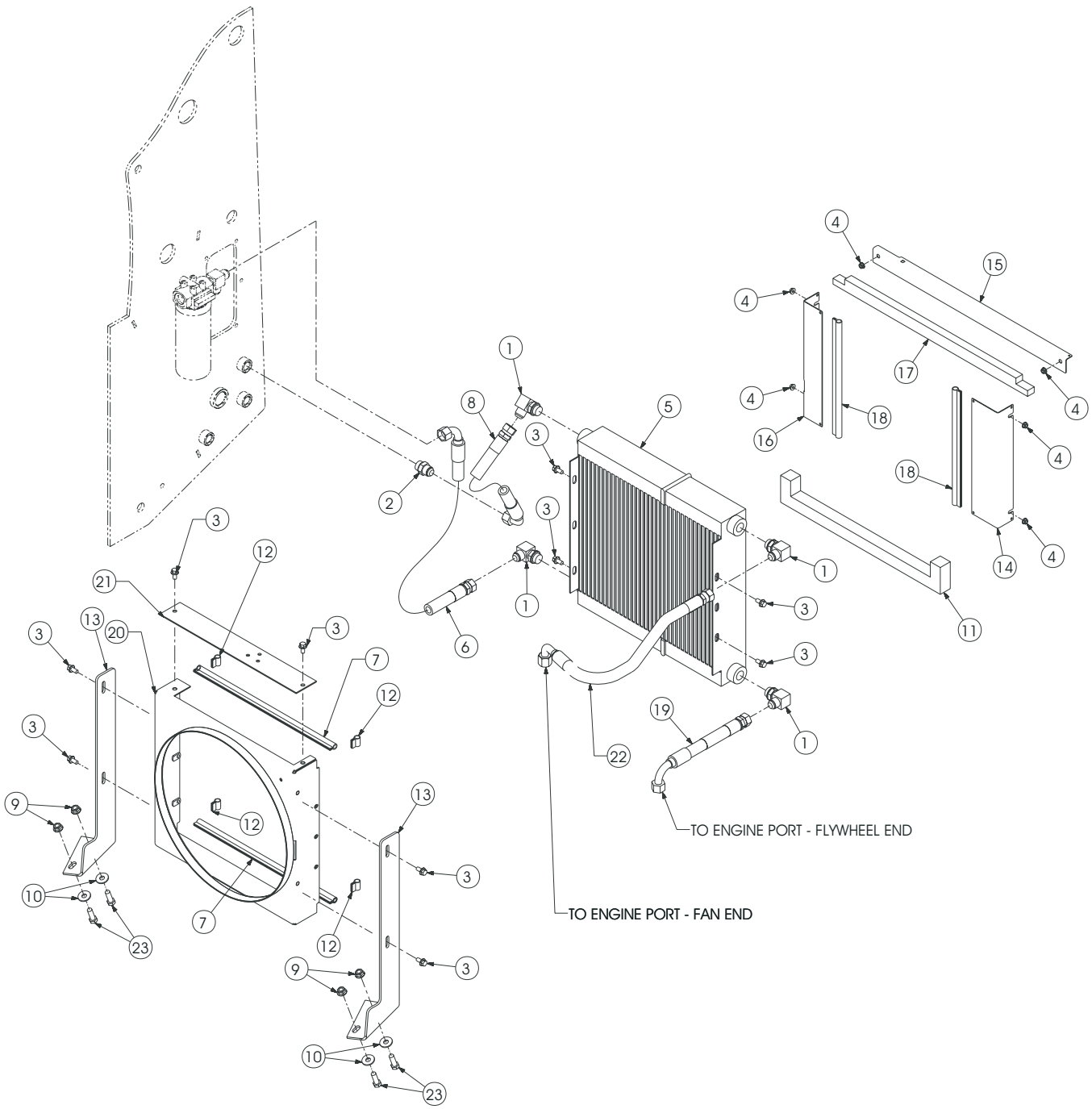
4640 and 4840 Naturally-Aspirated Models



140553_140549

Ref. No.	Part No.	Description	Quantity 4640 NA	Quantity 4840 NA
1	055005	FITTING/90° SAE12 X JIC12	4	4
2	072587	FITTING/STRAIGHT SAE12 X JIC12	1	1
3	076588	SCREW/FLANGE WHIZ LOCK 3/8 X 3/4	8	8
4	131059	COOLER/STACKED	1	-
	131863	COOLER/STACKED	-	1
5	131842	NUT/SPIRALOCK™ 5/16	6	6
6	131970	HOSE/MEDIUM PRESSURE 3/4 X 24	1	1
7	132270	SEAL/SHROUD	2	-
	132271	SEAL/SHROUD	-	2
8	134709	HOSE/MEDIUM PRESSURE 3/4 X 39	1	-
	131971	HOSE/MEDIUM PRESSURE 3/4 X 48	-	1
9	134710	HOSE/MEDIUM PRESSURE 3/4 X 14-1/2	1	1
10	134853	NUT/SPIRALOCK™ 1/2	4	4
11	134966	WASHER/FLAT HEAT TREATED	4	4
12	135108	SHROUD/FAN	1	-
	135119	SHROUD/FAN	-	1
13	135182	PAD/COOLER	1	1
14	135385	SEAL/SHROUD	4	4
15	190052	HOSE/HYDRAULIC 12G4H	1	-
	190521	HOSE/HYDRAULIC 12G4H	-	1
16	140548	SUPPORT/SHROUD	2	2
17	184285	SHROUD/TOP	1	1
18	184298	SEAL/SHROUD	1	1
19	184614	SHROUD/RIGHT	1	-
	184288	SHROUD/RIGHT	-	1
20	184615	SHROUD/LEFT	1	-
	184284	SHROUD/LEFT	-	1
21	184623	SEAL/BULB	2	2
22	650453	SCREW/CAP 1/2 X 1-1/2	4	4

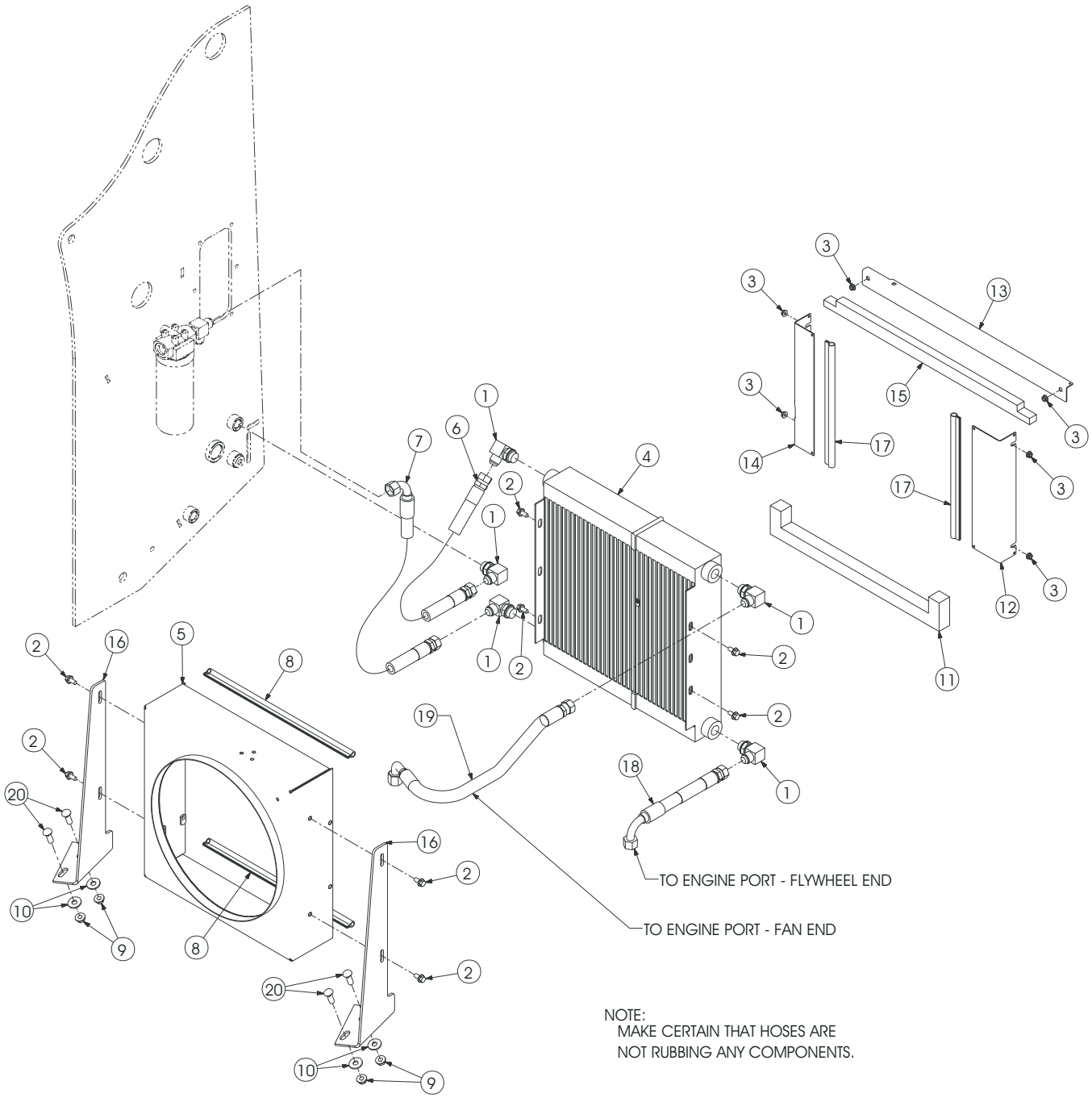
4640 Turbocharged Models



189587_140549

Ref. No.	Part No.	Description	Quantity 4640 Turbo SN 307901 ~	Quantity 4640 Turbo SN ~ 307900
1	055005	FITTING/90° SAE12 X JIC12	4	4
2	072587	FITTING/STRAIGHT SAE12 X JIC12	1	1
3	076588	SCREW/FLANGE WHIZ LOCK 3/8 X 3/4	10	8
4	131842	NUT/SPIRALOCK™ 5/16	6	6
5	131863	COOLER/STACKED TURBO	1	1
6	131970	HOSE/MEDIUM PRESSURE 3/4 X 24	1	1
7	132271	SEAL/SHROUD 20-1/2 LONG	2	2
8	134710	HOSE/MEDIUM PRESSURE 3/4 X 14-1/2	1	1
9	134853	NUT/SPIRALOCK™ 1/2	4	4
10	134966	WASHER/FLAT HEAT TREATED	4	4
11	135183	PAD/COOLER	1	1
12	135385	SEAL/SHROUD	4	4
13	140548	SUPPORT/SHROUD	2	2
14	184284	SHROUD/LEFT	1	1
15	184285	SHROUD/TOP	1	1
16	184288	SHROUD/RIGHT	1	1
17	184298	SEAL/SHROUD	1	1
18	184623	SEAL/BULB	2	2
19	186766	HOSE/MEDIUM PRESSURE 3/4 X 50	1	1
20	189494	SHROUD ASSEMBLY/FAN	1	-
	135119	SHROUD ASSEMBLY/FAN	-	1
21	189497	COVER/SHROUD	1	-
22	190052	HOSE/HYDRAULIC 12G4H	1	-
	137018	HOSE/MEDIUM PRESSURE 3/4 X 21	-	1
23	650453	SCREW/CAP 1/2 X 1-1/2	4	4

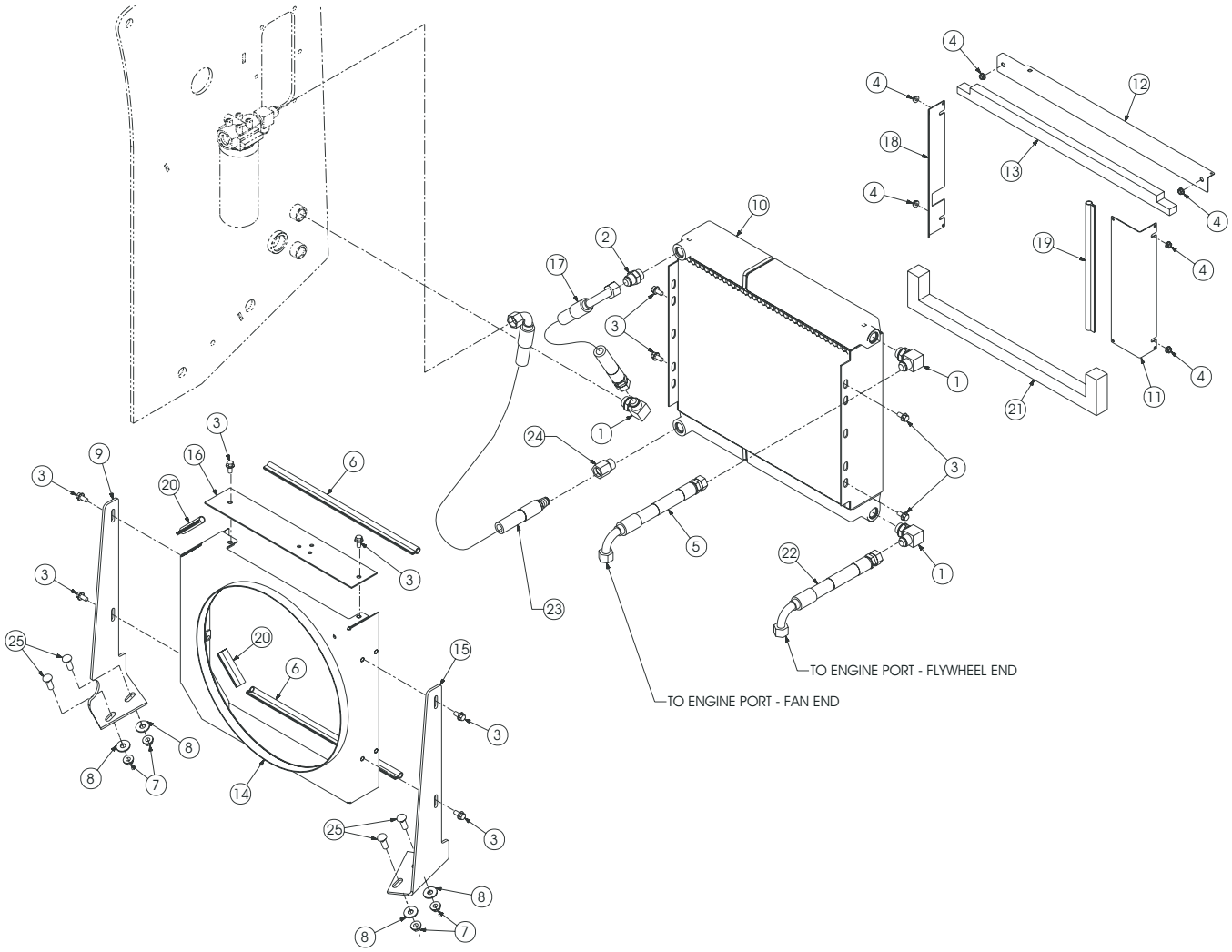
5640 Naturally-Aspirated Models



140556

Ref. No.	Part No.	Description	Quantity 5640 NA
1	055005	FITTING/90° SAE12 X JIC12	5
2	076588	SCREW/FLANGE WHIZ LOCK 3/8 X 3/4	8
3	131842	NUT/SPIRALOCK™ 5/16	6
4	131863	COOLER/STACKED	1
5	131885	SHROUD ASSEMBLY/FAN	1
6	131935	HOSE/MEDIUM PRESSURE 3/4 X 22	1
7	131970	HOSE/MEDIUM PRESSURE 3/4 X 24	1
8	132271	SEAL/SHROUD 20-1/2 LONG	2
9	134853	NUT/SPIRALOCK™ 1/2	4
10	134966	WASHER/FLAT HEAT TREATED	4
11	135183	PAD/COOLER	1
12	184284	SHROUD/LEFT	1
13	184285	SHROUD/TOP	1
14	184288	SHROUD/RIGHT	1
15	184298	SEAL/SHROUD	1
16	184382	SUPPORT/SHROUD	2
17	184623	SEAL/BULB	2
18	186766	HOSE/MEDIUM PRESSURE 3/4 X 50	1
19	190521	HOSE/HYDRAULIC 12G4H	1
20	650834	BOLT/CARRIAGE 1/2 X 1-1/2	4

5640 and 6640 Turbocharged Models



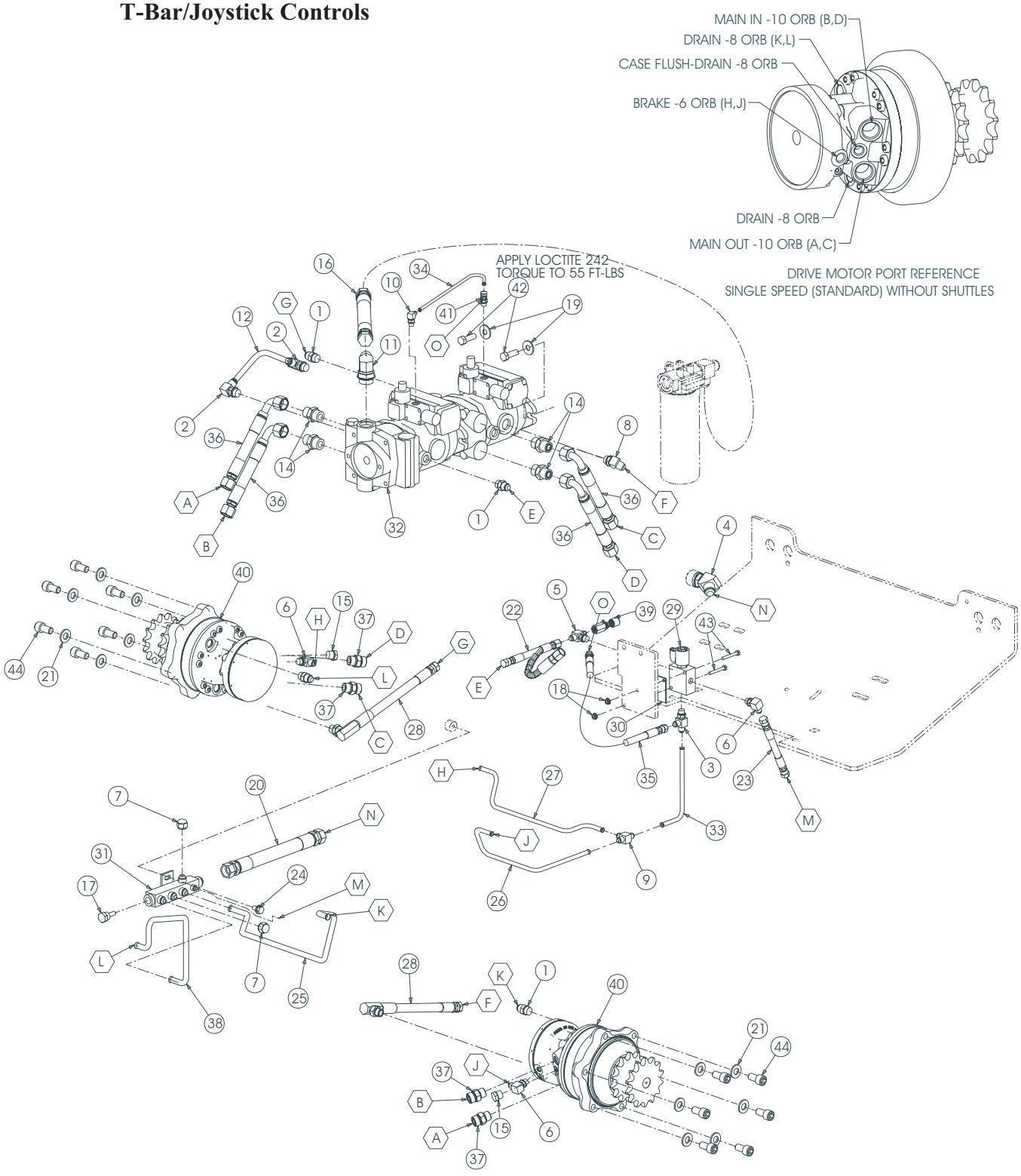
184539

Ref. No.	Part No.	Description	Quantity 5640/6640 Turbo
1	055005	FITTING/90° SAE12 X JIC12	3
2	072587	FITTING/STRAIGHT SAE12 X JIC12	1
3	076588	SCREW/FLANGE WHIZ LOCK 3/8 X 3/4	10
4	131842	NUT/SPIRALOCK™ 5/16	6
5	190521	HOSE/HYDRAULIC 12G4H	1
6	132271	SEAL/SHROUD 20-1/2 LONG	2
7	134853	NUT/SPIRALOCK™ 1/2	4
8	134966	WASHER/FLAT HARDENED 1/2	4
9	139496	SUPPORT/SHROUD	1
10	183897	RADIATOR/COOLER	1
11	184284	SHROUD/LEFT	1
12	184285	SHROUD/TOP	1
13	184298	SEAL/SHROUD	1
14	184365	SHROUD	1
15	184382	SUPPORT/SHROUD	1
16	184385	COVER/SHROUD	1
17	184619	HOSE/MEDIUM PRESSURE 3/4 X 18-1/2	1
18	184621	SHROUD/RIGHT	1
19	184623	SEAL/BULB	1
20	184634	SEAL/BULB	2
21	184635	PAD/COOLER	1
22	186766	HOSE/MEDIUM PRESSURE 3/4 X 50	1
23	189286b	HOSE/MEDIUM PRESSURE 3/4 X 34	1
	184620a	HOSE/MEDIUM PRESSURE 3/4 X 34	1
24	189335b	ADAPTER 12FQLH-12MB	1
	188973a	FITTING/STRAIGHT SAE12 X JIC12	1
25	650834	BOLT/CARRIAGE 1/2 X 1-1/2	4

a) 5640: SN 506600 and Before. 6640: SN 605500 and Before

b) 5640: SN 506601 and Up. 6640: SN 605501 and Up. Part numbers 189286 and 189335 are mating parts and must be ordered together.

Single Speed - 4640 and 4840 Models
T-Bar, Hand/Foot, Dual Hand and
T-Bar/Joystick Controls



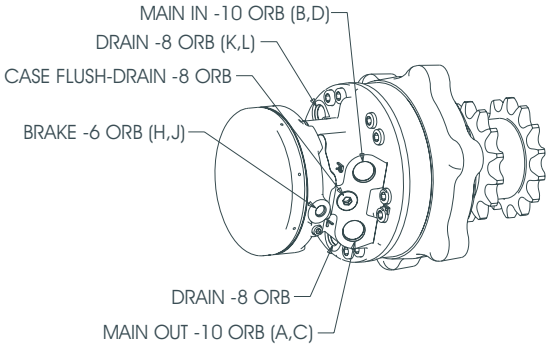
183306

Ref. No.	Part No.	Description	Single Speed Qty. 4640/4840
1	054626	FITTING/STRAIGHT SAE08 X JIC08	4
2	054816	FITTING/90° SAE08 X JIC08	2
3	054820	FITTING/TEE SAE06 X JIC06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981b	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938b	FITTING/90° SAE06 X JIC06	3
7	076879	CAP/37° FLARE 3/4	2
8	076880	FITTING/45° SAE08 X JIC08	1
9	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
10	095601	FITTING/90°	1
11	121684	FITTING/90° SAE16 X JIC16	1
12	122641	TUBE/CHARGE	1
14	131493	FITTING/STRAIGHT SAE12 X FF10	4
	135124	O-RING #10 FACE SEAL	1
15	131529	PLUG SAE08	2
16	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
17	132049	SWITCH/TEMPERATURE 230°	1
18	134588	NUT/SPIRALOCK™ 1/4	2
19	134966	WASHER/HARDENED FLAT 1/2	2
20	135025	HOSE/MEDIUM PRESSURE 3/4 X 36	1
21	135773	WASHER/HARDENED FLAT 5/8	12
22	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
23	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
24	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
25	183358	TUBE ASSEMBLY/MOTOR DRAIN LEFT	1
26	183363	TUBE ASSEMBLY/BRAKE LEFT	1
27	183367	TUBE ASSEMBLY/BRAKE RIGHT	1
28	183390	HOSE/MEDIUM PRESSURE 1/2 X 30	2
29	184102a	VALVE/SOLENOID	1
30	184378	PLATE/SPACER	1
31	184946	MANIFOLD	1
32	186913ad	PUMP/TANDEM 2.48 SERVO	1
	136387c	PUMP/TANDEM 2.48 SERVO	1
33	186929	TUBE ASSY/BRAKE VALVE	1
34	187304	TUBE/TANDEM PUMP	1
35	187348	HOSE/MEDIUM PRESSURE 1/4 X 17	1
36	189707	HOSE/HIGH PRESSURE 5/8 X 23-3/4	4
37	189967	FITTING/STRAIGHT SAE10 X FF10	4
	135124	O-RING #10 FACE SEAL	1
	055898	O-RING FOR #10 FITTING	1
38	190058	TUBE ASSEMBLY/MOTOR DRAIN RIGHT	1
39	193169b	PORT/TEST 9/16 UNF	1
40	194032af	MOTOR/SINGLE SPEED	2
	140569ae	MOTOR/SINGLE SPEED	2
41	230-32753	FITTING/TEE JIC04 X SAE04 X JIC04	1
42	650453	SCREW/CAP 1/2 X 1-1/2	2
43	650706	SCREW/CAP 1/4 X 2	2
44	651620	SCREW/CAP M16 X 2MM X 30MM	12

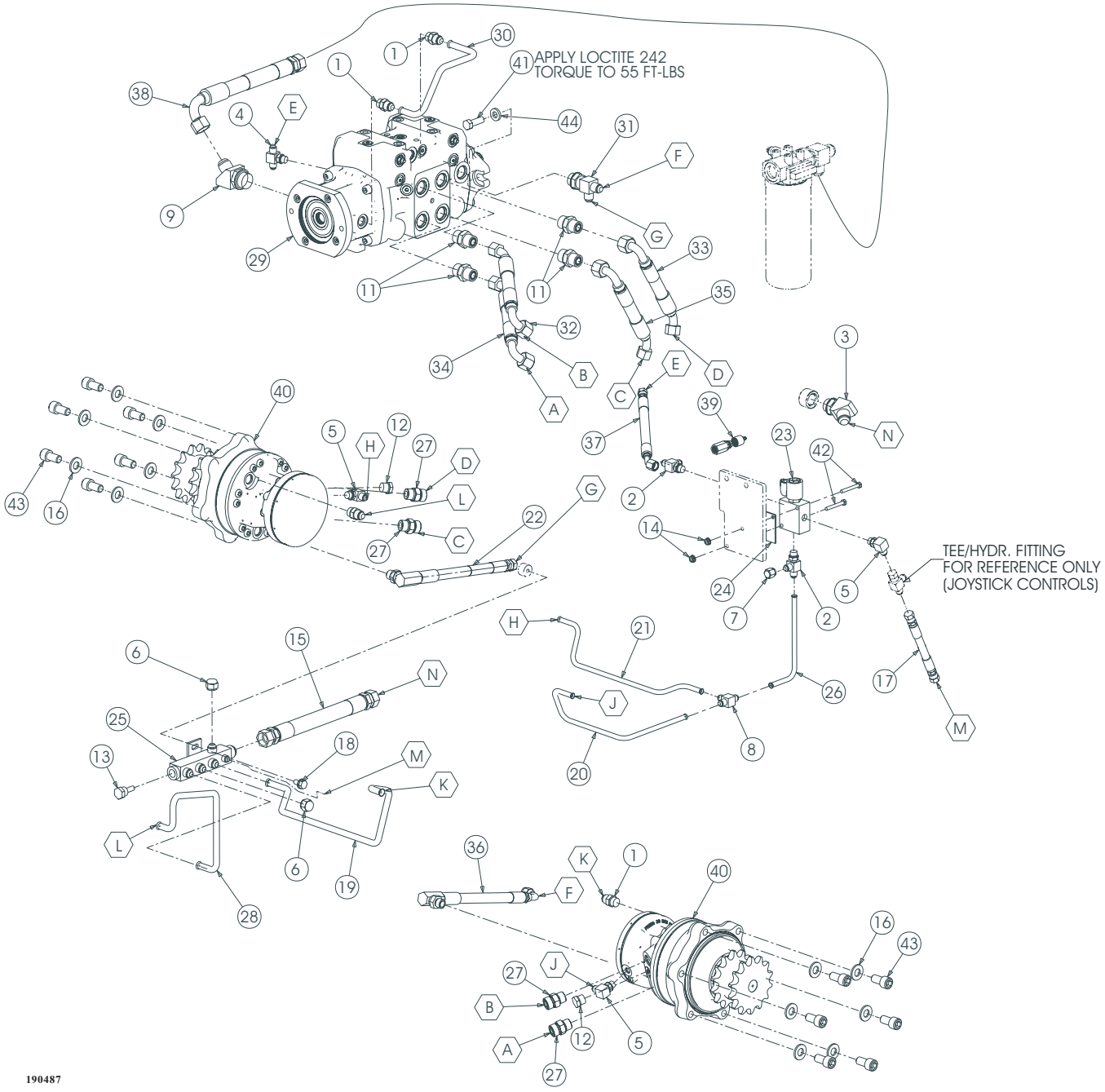
a) For breakdown see “Section B” of this manual.
b) Test port 193169 takes fitting 055981. Units without the test port use 068938.
c) 4640 Models: SN 306596 and Before. 4840 Models: SN 406838 and Before
d) 4640 Models: SN 306597 and Up. 4840 Models: SN 406839 and Up
e) 4640 Models: SN 309777 and Before. 4840 Models: SN 411003 and Before
f) 4640 Models: SN 309778 and Up. 4840 Models: SN 411004 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Single Speed - 4640 and 4840 Models
Dual Joystick Controls



DRIVE MOTOR PORT REFERENCE
SINGLE SPEED (STANDARD) WITHOUT SHUTTLES



Ref. No.	Part No.	Description	Single-Speed Qty. 46/4840 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	4
2	054820b	FITTING/TEE SAE06 X JIC06 X JIC06	2
	054994b	FITTING/STRAIGHT SAE06 X JIC06	1
3	055064	FITTING/45° SAE12 X JIC12	1
4	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
5	068938	FITTING/90° SAE06 X JIC06	3
6	076879	CAP/37° FLARE 3/4	2
7	080556	CAP/37° FLARE 9/16	1
8	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
9	121773	FITTING/45° SAE16 X JIC12	1
11	131493	FITTING/STRAIGHT SAE12 X JIC10	4
	135124	O-RING #10 FACE SEAL	1
12	131529	PLUG SAE08	2
13	132049	SWITCH/TEMPERATURE 230°	1
14	134588	NUT/SPIRALOCK™ 1/4	2
15	135025	HOSE/MEDIUM PRESSURE 3/4 X 36	1
16	135773	WASHER/HARDENED FLAT 5/8	12
17	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
18	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
19	183358	TUBE ASSEMBLY/MOTOR DRAIN LEFT	1
20	183363	TUBE ASSEMBLY/BRAKE LEFT	1
21	183367	TUBE ASSEMBLY/BRAKE RIGHT	1
22	183390	HOSE/MEDIUM PRESSURE 1/2 X 26	1
23	184102a	VALVE/SOLENOID	1
24	184378	PLATE/SPACER (BRAKE VALVE)	1
25	184946	MANIFOLD	1
26	186929	TUBE ASSEMBLY/BRAKE VALVE	1
27	189967	FITTING/STRAIGHT SAE10 X FF10	4
	135124	O-RING #10 FACE SEAL	1
	055898	O-RING FOR #10 FITTING	1
28	190058	TUBE ASSEMBLY/MOTOR DRAIN RIGHT	1
29	190488a	PUMP/TANDEM	1
30	190539	TUBE/CHARGE	1
31	190696	FITTING/TEE MJ12 X 08MB X 12MJ	1
32	191207	HOSE/HIGH PRESSURE 5/8 X 27-1/4	1
33	191208	HOSE/HIGH PRESSURE 5/8 X 22-1/2	1
34	191209	HOSE/HIGH PRESSURE 5/8 X 27-5/8	1
35	191210	HOSE/HIGH PRESSURE 5/8 X 21-1/4	1
36	191228	HOSE/MEDIUM PRESSURE 1/2 X 17-1/2	1
37	170-34197	ASSY/HYDRAULIC HOSE AND TUBE	1
38	191854	HOSE/MEDIUM PRESSURE 3/4 X 63-1/2	1
39	193169b	PORT/TEST 9/16 UNF	1
40	194032ad	MOTOR/SINGLE-SPEED	2
	140569ac	MOTOR/SINGLE-SPEED	2
41	650453	SCREW/CAP 1/2 X 1-1/2	2
42	650706	SCREW/CAP 1/4 X 2	2
43	651620	SCREW/CAP M16 X 2MM X 30MM	12
44	P471548	WASHER/HARD 1/2	2

a) For breakdown see “Section B” of this manual.

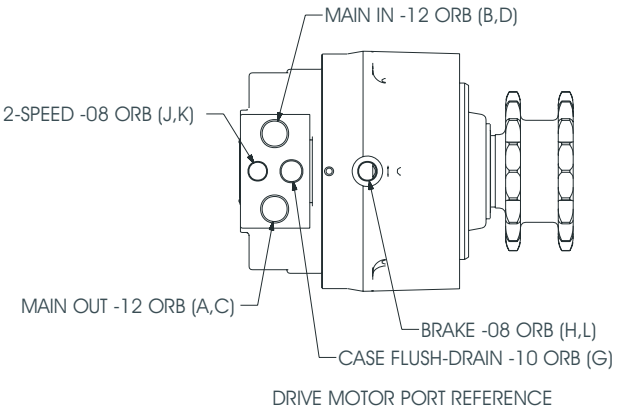
b) Test Port 193169 takes fitting 054820. Units without the test port use fitting 054994.

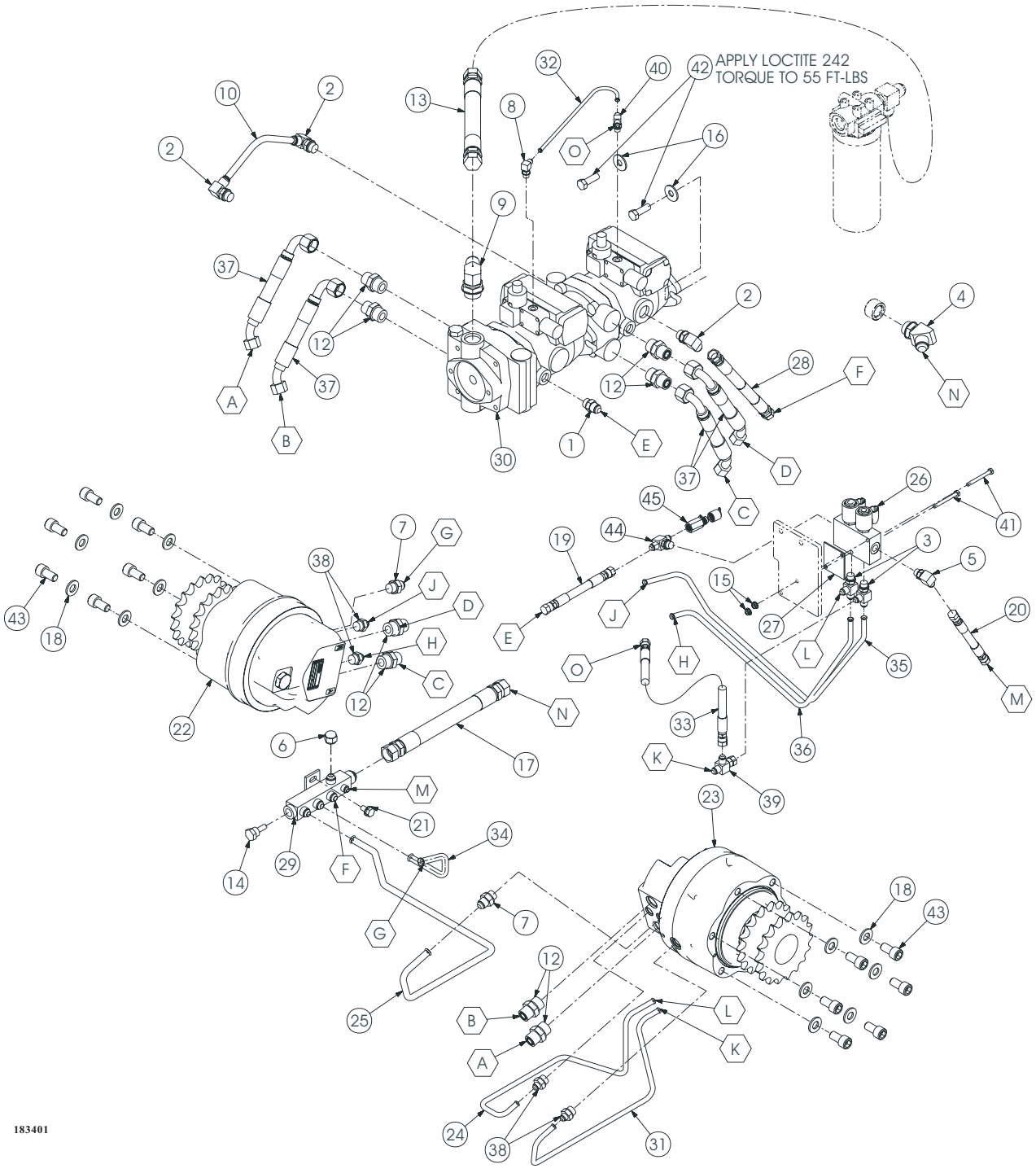
c) 4640 Models: SN 309777 and Before. 4840 Models: SN 411003 and Before

d) 4640 Models: SN 309778 and Up. 4840 Models: SN 411004 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5510 PSI (379,9 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

Two-Speed - 4640 and 4840 Models
T-Bar, Hand/Foot, Dual Hand and
T-Bar/Joystick Controls



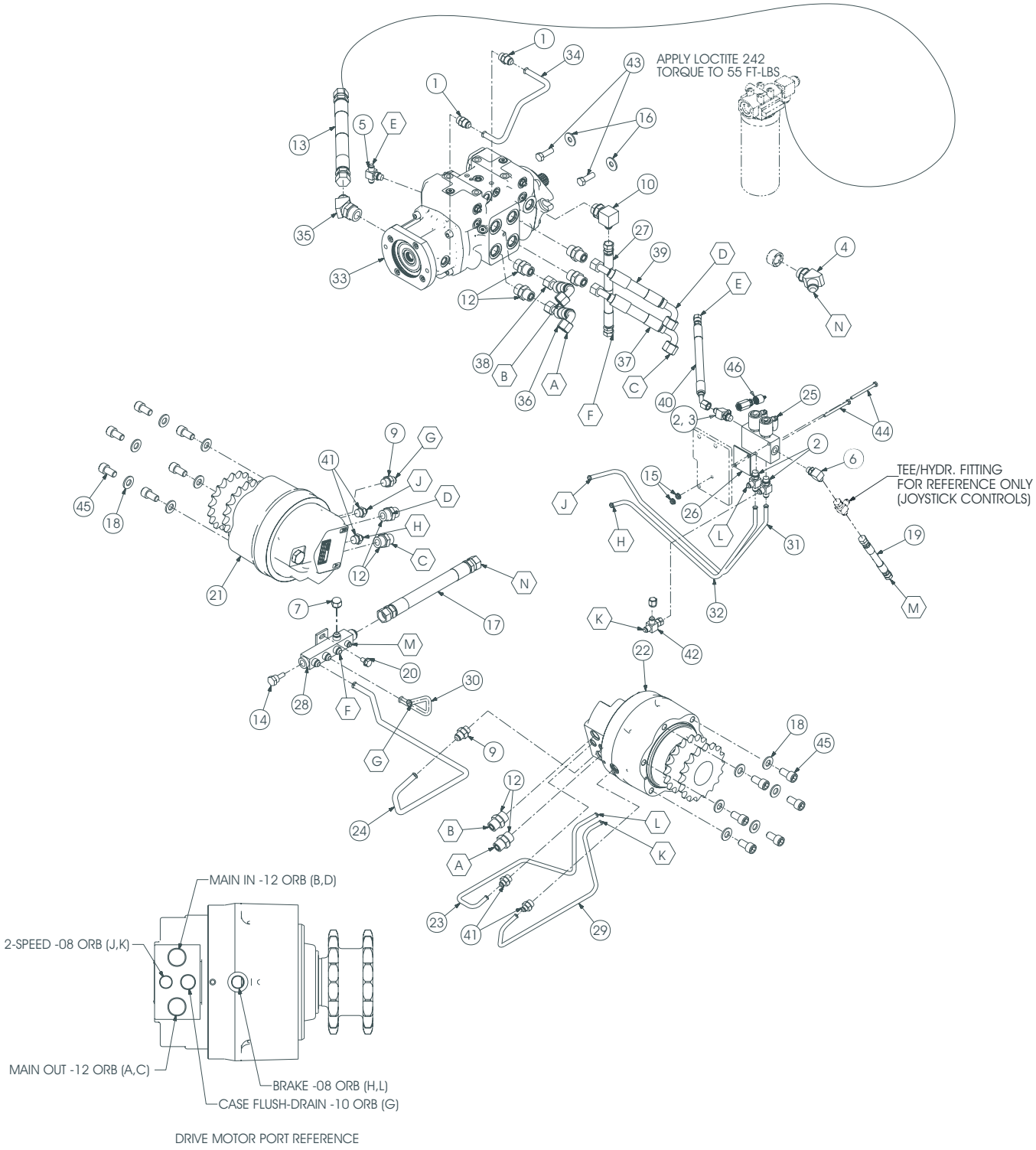


Ref. No.	Part No.	Description	Two-Speed Qty. 4640/4840
1	054626	FITTING/STRAIGHT SAE08 X JIC08	1
2	054816	FITTING/90° SAE08 X JIC08	3
3	054820	FITTING/TEE SAE06 X JIC06 X JIC06	2
4	055064	FITTING/45° SAE12 X JIC12	1
5	068938e	FITTING/90° SAE06 X JIC06	1
6	076879	CAP/37° FLARE 3/4	1
7	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
8	095601	ADAPTER/90° 40RM-4JICM	1
9	121684	FITTING/90° SAE16 X JIC16	1
10	122641	TUBE/CHARGE	1
12	131493	FITTING/STRAIGHT SAE12 X FF10	8
	135124	O-RING/FACE SEAL #10	1
13	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	134966	WASHER/HARDENED FLAT 1/2	2
17	135025	HOSE/MEDIUM PRESSURE 3/4 X 36	1
18	135773	WASHER/HARDENED FLAT 5/8	12
19	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
20	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
21	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
22	193672ac	MOTOR/TWO-SPEED RIGHT	1
	140570ab	MOTOR/TWO-SPEED RIGHT	1
23	193673ac	MOTOR/TWO-SPEED LEFT	1
	140571ab	MOTOR/TWO-SPEED LEFT	1
24	183433	TUBE ASSEMBLY/MOTOR LEFT TWO-SPEED	1
25	183444	TUBE ASSEMBLY/MOTOR RIGHT DRAIN	1
26	183978a	MANIFOLD/VALVE	1
27	184378	PLATE/SPACER (BRAKE VALVE)	1
28	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
29	184946	MANIFOLD	1
30	186913ag	PUMP/TANDEM 2.48 SERVO	1
	136387f	PUMP/TANDEM 2.48 SERVO	1
31	186932	TUBE ASSY/BRAKE LEFT	1
32	187304	TUBE/TANDEM PUMP	1
33	187348	HOSE/MEDIUM PRESSURE 1/4 X 17	1
34	187353	TUBE/DRAIN	1
35	188045d	TUBE ASSY/BRAKE RT MOTOR	1
36	188046d	TUBE ASSY/MOTOR RT TWO SPEED	1
37	189708	HOSE/HIGH PRESSURE 5/8 X 21-7/8	4
38	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
39	072806	FITTING/HYDRAULIC TEE	1
40	230-32753	FITTING/TEE JIC04 X SAE04 X JIC04	1
41	650449	SCREW/CAP 1/4 X 2-1/2	2
42	650453	SCREW/CAP 1/2 X 1-1/2	2
43	651620	SCREW/CAP M16 X 2MM X 30MM	12
44	055981e	FITTING/TEE JIC06 X SAE06 X JIC06	1
45	193169e	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) 4640 Models: SN 309650 and Before. 4840 Models: SN 410843 and Before
c) 4640 Models: SN 309651 and Up. 4840 Models: SN 410844 and Up
d) Part numbers 188045 and 188046 should be ordered as a pair when replacement of either one is needed in SL4840 Models prior to SN 407260.
e) Test port 193169 takes fitting 055981. Units without the test port use 068938.
f) 4640 Models: SN 306596 and Before. 4840 Models: SN 406838 and Before.
g) 4640 Models: SN 306597 and Up. 4840 Models: SN 406839 and Up.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Two-Speed - 4640 and 4840 Models
Dual Joystick Controls



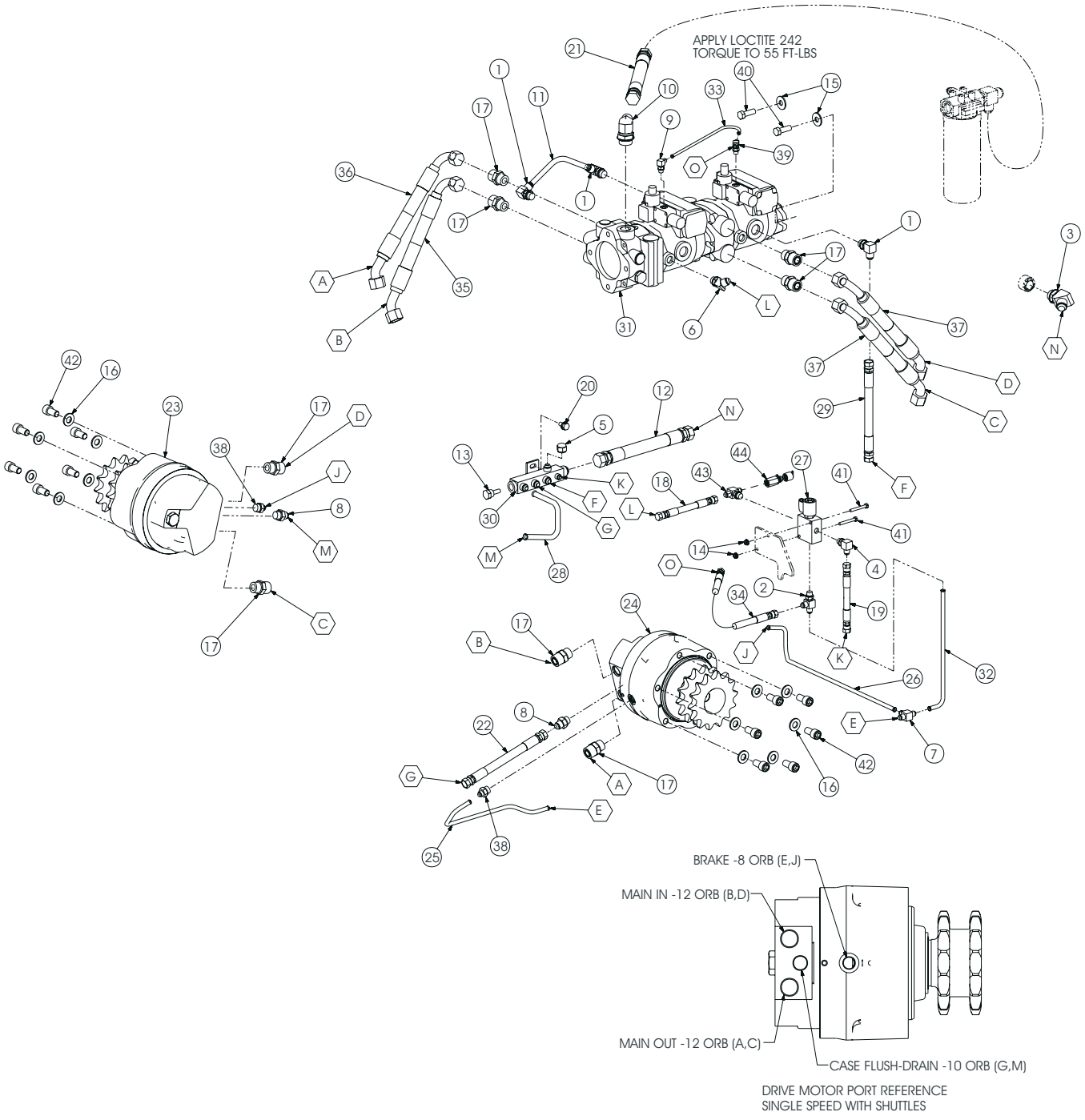
190530

Ref. No.	Part No.	Description	Two-Speed Qty. 46/4840 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	2
2	054820d	FITTING/TEE SAE06 X JIC06 X JIC06	3
3	054994d	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938	FITTING/90° SAE06 X JIC06	1
7	076879	CAP/37° FLARE 3/4	1
8	080556	CAP/37° FLARE 9/16	1
9	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
10	121775	FITTING/90° SAE12 X JIC08	1
12	131493	FITTING/STRAIGHT SAE12 X JIC10	8
13	191854	HOSE/MEDIUM PRESSURE 3/4 X 63-1/2	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	P471548	WASHER/HARD 1/2	2
17	135025	HOSE/MEDIUM PRESSURE 3/4 X 36	1
18	135773	WASHER/HARDENED FLAT 5/8	12
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
21	193672ac	MOTOR/TWO-SPEED RIGHT	1
	140570ab	MOTOR/TWO-SPEED RIGHT	1
22	193673ac	MOTOR/TWO-SPEED LEFT	1
	140571ab	MOTOR/TWO-SPEED LEFT	1
23	183433	TUBE ASSEMBLY/MOTOR LEFT TWO-SPEED	1
24	183444	TUBE ASSEMBLY/MOTOR RIGHT DRAIN	1
25	183978a	MANIFOLD/VALVE	1
26	184378	PLATE/SPACER (BRAKE VALVE)	1
27	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
28	184946	MANIFOLD	1
29	186932	TUBE ASSEMBLY/BRAKE LEFT	1
30	187353	TUBE/DRAIN	1
31	188045	TUBE ASSEMBLY/BRAKE RIGHT MOTOR	1
32	188046	TUBE ASSEMBLY/MOTOR RIGHT TWO-SPEED	1
33	190488a	PUMP/TANDEM	1
34	190539	TUBE/CHARGE	1
35	121773	FITTING/45° SAE16 X JIC12	1
36	191203	HOSE/HIGH PRESSURE 5/8 X 24-3/16	1
37	161204	HOSE/HIGH PRESSURE 5/8 X 21	1
38	191205	HOSE/HIGH PRESSURE 5/8 X 21-3/16	1
39	191206	HOSE/HIGH PRESSURE 5/8 X 21-3/4	1
40	170-34197	ASSY/HYDRAULIC HOSE AND TUBE	1
41	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
42	072806	FITTING/HYDRAULIC TEE	1
43	650453	SCREW/CAP 1/2 X 1-1/2	2
44	650979	SCREW/CAP 1/4 X 3-1/4	2
45	651620	SCREW/CAP M16 X 2MM X 30MM	12
46	193169d	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) 4640 Models: SN 309650 and Before. 4840 Models: SN 410843 and Before
c) 4640 Models: SN 309651 and Up. 4840 Models: SN 410844 and Up
d) Test Port 193169 takes fitting 054820. Units without the test port use fitting 054994.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5438 PSI (375 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

HYDROSTATIC SYSTEM - DRIVE MOTORS

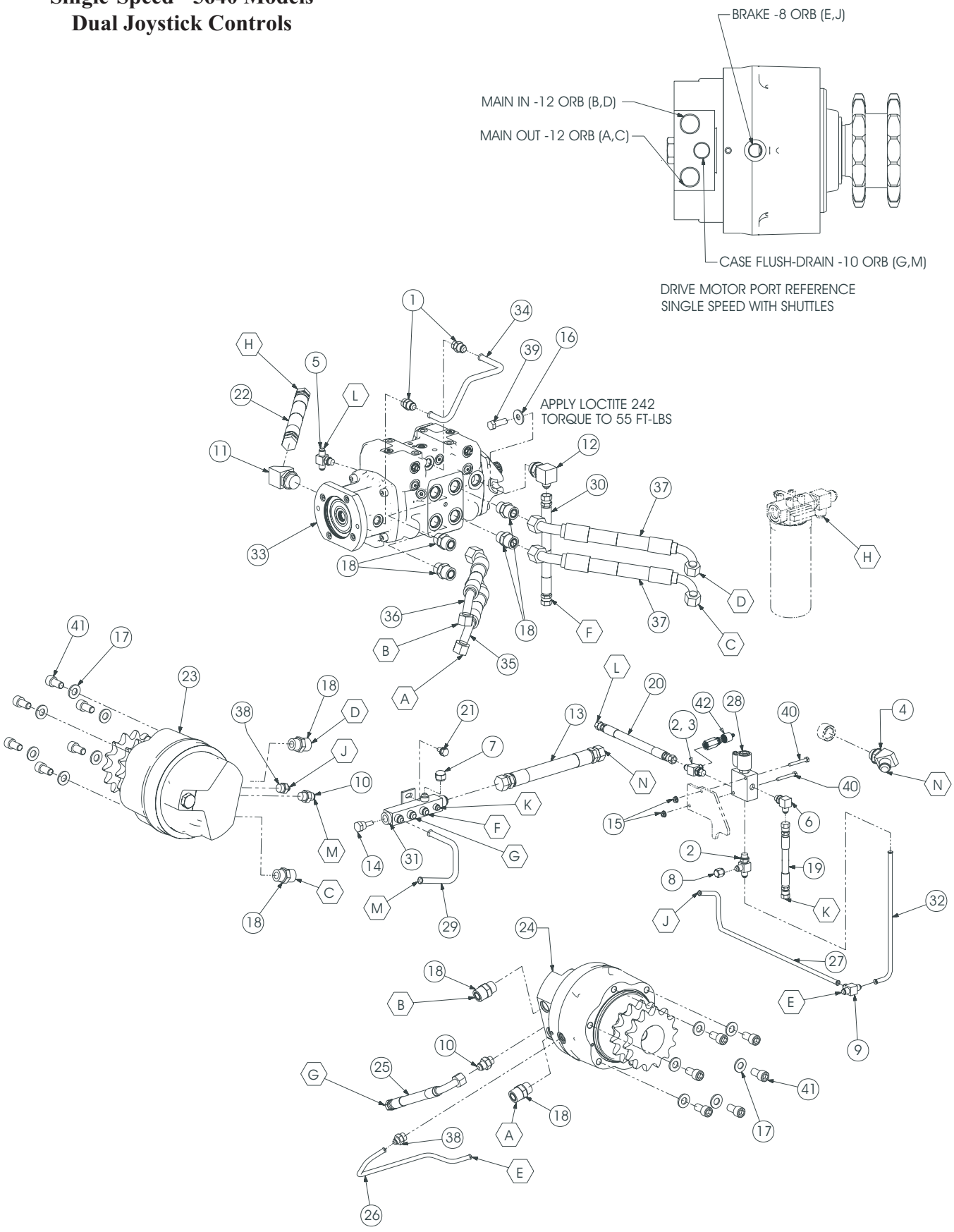


Ref. No.	Part No.	Description	Single Speed Qty. 5640
1	054816	FITTING/90° SAE08 X JIC08	3
2	054820	FITTING/TEE SAE06 X JIC06 X JIC06	1
3	055064	FITTING/45° SAE12 X JIC12	1
4	068938b	FITTING/90° SAE06 X JIC06	1
5	076879	CAP/37° FLARE 3/4	1
6	076880	FITTING/45° SAE08 X JIC08	1
7	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
8	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
9	095601	ADAPTER/90° 40RM-4JIC	1
10	121684	FITTING/90° SAE16 X JIC16	1
11	122641	TUBE/CHARGE	1
12	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
13	132049	SWITCH/TEMPERATURE	1
14	134588	NUT/SPIRALOCK™ 1/4	2
15	134966	WASHER/HARDENED FLAT 1/2	2
16	135773	WASHER/HARDENED FLAT 5/8	12
17	135928d	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING FOR #12 FITTING	1
	135940c	FITTING/45° SAE12 X FF12	
18	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
21	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
22	140023	HOSE/MEDIUM PRESSURE 1/2 X 38	1
23	195101af	MOTOR/SINGLE SPEED RIGHT	1
	140572ae	MOTOR/SINGLE SPEED RIGHT	1
24	195102af	MOTOR/SINGLE SPEED LEFT	1
	140573ae	MOTOR/SINGLE SPEED LEFT	1
25	183480	TUBE ASSEMBLY/BRAKE LEFT	1
26	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
27	184102a	VALVE/SOLENOID	1
28	184470	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
29	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
30	184946	MANIFOLD	1
31	186918ad	PUMP/TANDEM	1
	140586c	PUMP/TANDEM	1
32	186927	TUBE ASSEMBLY/BRAKE VALVE	1
33	187304	TUBE/TANDEM PUMP	1
34	187348	HOSE/MEDIUM PUMP 1/4 X 17	1
35	189153	HOSE/HIGH PRESSURE 3/4 X 25-7/8	1
36	189154	HOSE/HIGH PRESSURE 3/4 X 24-7/8	1
37	189155	HOSE/HIGH PRESSURE 3/4 X 23	2
38	230-24749	FITTING/STRAIGHT SAE08 X JIC06	2
	055898	O-RING	1
39	230-32753	FITTING/TEE JIC04 X SAE04 X JIC04/16	1
40	650453	SCREW/CAP 1/2 X 1-1/2	2
41	650706	SCREW/CAP 1/4 X 2	2
42	651620	SCREW/CAP M16 X 2MM X 30MM	12
43	055981b	FITTING/TEE JIC06 X SAE06 X JIC06	1
44	193169b	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) Test port 193169 takes fitting 055981. Units without the test port use 068938.
c) SN 504916 and Before
d) SN 504917 and Up
e) SN 509457 and Before
f) SN 590458 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Single-Speed - 5640 Models
Dual Joystick Controls

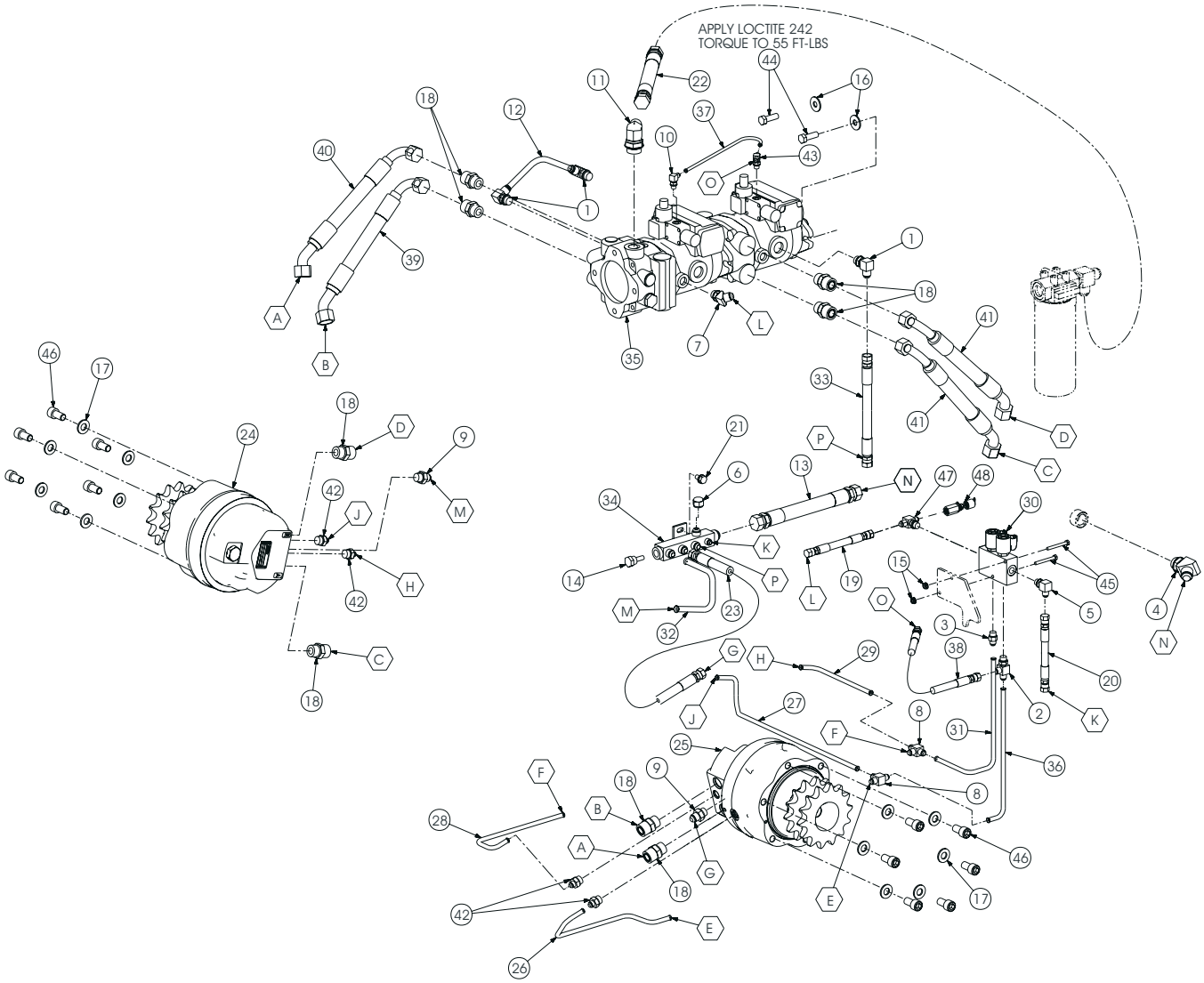


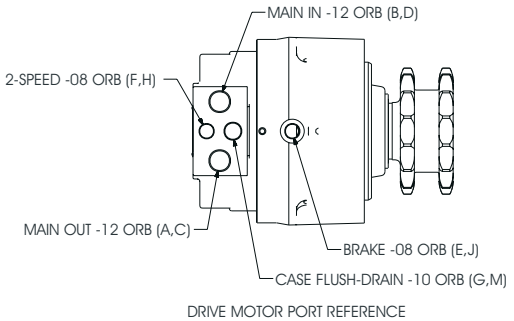
Ref. No.	Part No.	Description	Single-Speed Qty. 5640 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	2
2	054820b	FITTING/TEE SAE06 X JIC06 X JIC06	2
3	054994b	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938	FITTING/90° SAE06 X JIC06	1
7	076879	CAP/37° FLARE 3/4	1
8	080556	CAP/37° FLARE 9/16	1
9	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
10	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
11	121773	FITTING/45° SAE16 X JIC12	1
12	121775	FITTING/90° SAE12 X JIC08	1
13	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	P471548	WASHER/HARD 1/2	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING FOR #12 FITTING	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	137611	HOSE/MEDIUM PRESSURE 3/8 X 21	1
21	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
22	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
23	195101ad	MOTOR/SINGLE SPEED RIGHT	1
	140572ac	MOTOR/SINGLE SPEED RIGHT	1
24	195102ad	MOTOR/SINGLE SPEED LEFT	1
	140573ac	MOTOR/SINGLE SPEED LEFT	1
25	170-35054	HOSE/MEDIUM PRESSURE 1/2 X 12	1
26	183480	TUBE ASSEMBLY/BRAKE LEFT	1
27	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
28	184102a	VALVE/SOLENOID	1
29	184470	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
30	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
31	184946	MANIFOLD	1
32	186927	TUBE ASSEMBLY/BRAKE VALVE	1
33	190488a	PUMP/TANDEM	1
34	190539	TUBE/CHARGE	1
35	191162	HOSE/HIGH PRESSURE 3/4 X 23-13/16	1
36	191163	HOSE/HIGH PRESSURE 3/4 X 28	1
37	191164	HOSE/HIGH PRESSURE 3/4 X 21-3/4	2
38	230-24749	FITTING/STRAIGHT SAE08 X JIC06	2
	055898	O-RING	1
39	650453	SCREW/CAP 1/2 X 1-1/2	2
40	650706	SCREW/CAP 1/4 X 2	2
41	651620	SCREW/CAP M16 X 2MM X 30MM	12
42	193169b	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) Test port 193169 takes fitting 054820. Units without the test port use 054994.
c) SN 509457 and Before
d) SN 590458 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5438 PSI (375 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

Two-Speed - 5640 Models
T-Bar, Hand/Foot, Dual Hand and T-Bar/Joystick Controls





DRIVE MOTOR PORT REFERENCE

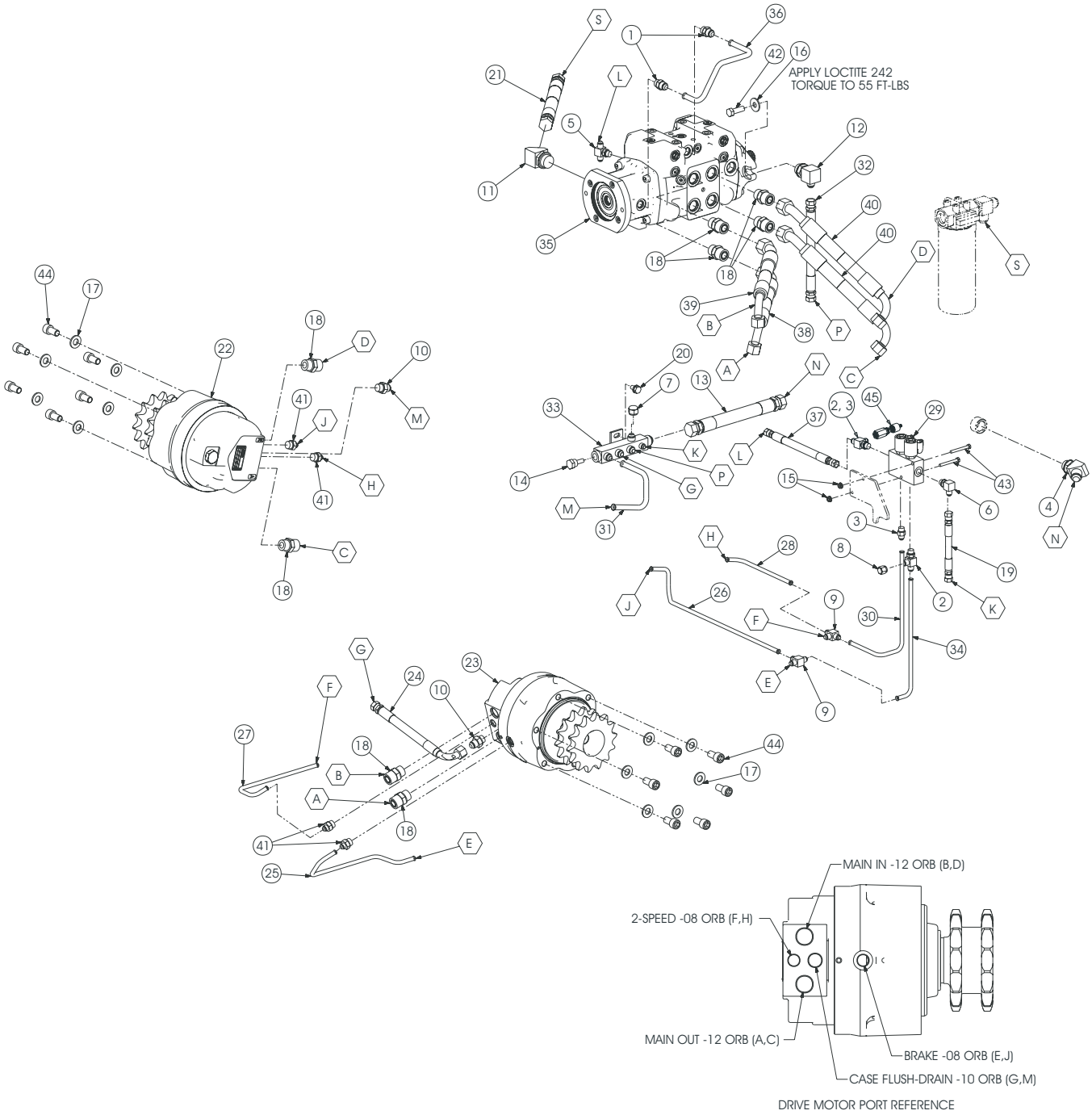
183101

Ref. No.	Part No.	Description	Two-Speed Qty. 5640
1	054816	FITTING/90° SAE08 X JIC08	3
2	054820	FITTING/TEE SAE06 X JIC06 X JIC06	1
3	054994	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	068938d	FITTING/90° SAE06 X JIC06	1
6	076879	CAP/37° FLARE 3/4	1
7	076880	FITTING/45° SAE08 X JIC08	1
8	087393	FITTING/TEE SAE06 X JIC06 X JIC06	2
9	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
10	095601	ADAPTER/90° 40RM-4JIC	1
11	121684	FITTING/90° SAE16 X JIC16	1
12	122641	TUBE/CHARGE	1
13	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	134966	WASHER/HARDENED FLAT 1/2	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING FOR #12 FITTING	1
19	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
20	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
21	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
22	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
23	140023	HOSE/MEDIUM PRESSURE 1/2 X 38	1
24	193674ac	MOTOR/TWO-SPEED RIGHT	1
	140574ab	MOTOR/TWO-SPEED RIGHT	1
25	193675ac	MOTOR/TWO-SPEED LEFT	1
	140575ab	MOTOR/TWO-SPEED LEFT	1
26	183480	TUBE ASSEMBLY/BRAKE LEFT	1
27	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
28	183483	TUBE ASSEMBLY/TWO-SPEED LEFT	1
29	183484	TUBE ASSEMBLY/TWO-SPEED RIGHT	1
30	183978a	MANIFOLD/VALVE	1
31	184469	TUBE ASSEMBLY/TWO-SPEED VALVE	1
32	184470	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
33	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
34	184946	MANIFOLD	1
35	186918af	PUMP/TANDEM	1
	140586e	PUMP/TANDEM	1
36	186927	TUBE ASSEMBLY/BRAKE VALVE	1
37	187304	TUBE/TANDEM PUMP	1
38	187348	HOSE/MEDIUM PRESSURE 1/4 X 17	1
39	189153	HOSE/HIGH PRESSURE 3/4 X 25-7/8	1
40	189154	HOSE/HIGH PRESSURE 3/4 X 24-7/8	1
41	189155	HOSE/HIGH PRESSURE 34 X 23	2
42	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
	055898	O-RING	1
43	230-32753	FITTING/TEE JIC04 X SAE04 X JIC4/16	1
44	650453	SCREW/CAP 1/2 X 1-1/2	2
45	650839	SCREW/CAP 1/4 X 2-1/2	2
46	651620	SCREW/CAP M16 X 2MM X 30MM	12
47	055981d	FITTING/TEE JIC06 X SAE06 X JIC06	1
48	193169d	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) SN 508951 and Before. c) SN 508952 and Up
d) Test port 193169 takes fitting 055981. Units without the test port use 068938.
e) SN 504916 and Before. f) SN 504917 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Two-Speed - 5640 Models
Dual Joystick Controls



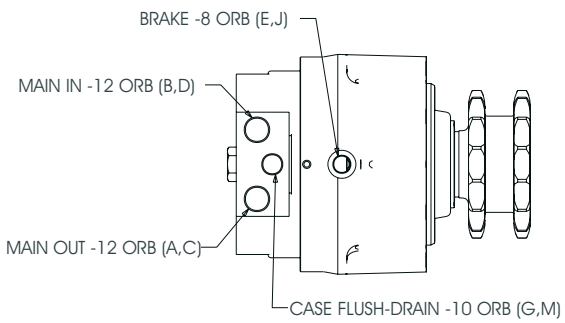
190526

Ref. No.	Part No.	Description	Two-Speed Qty. 5640 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	2
2	054820d	FITTING/TEE SAE06 X JIC06 X JIC06	2
3	054994d	FITTING/STRAIGHT SAE06 X JIC06	2
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938	FITTING/90° SAE06 X JIC06	1
7	076879	CAP/37° FLARE 3/4	1
8	080556	CAP/37° FLARE 9/16	1
9	087393	FITTING/TEE SAE06 X JIC06 X JIC06	2
10	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
11	121773	FITTING/45° SAE16 X JIC12	1
12	121775	FITTING/90° SAE12 X JIC08	1
13	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	P471548	WASHER/HARD 1/2	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING #12 FITTING	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
21	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
22	193674ac	MOTOR/TWO-SPEED RIGHT	1
	140574ab	MOTOR/TWO-SPEED RIGHT	1
23	193675ac	MOTOR/TWO-SPEED LEFT	1
	140575ab	MOTOR/TWO-SPEED LEFT	1
24	170-35054	HOSE/MEDIUM PRESSURE 1/2 X 12	1
25	183480	TUBE ASSEMBLY/BRAKE LEFT	1
26	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
27	183483	TUBE ASSEMBLY/TWO-SPEED LEFT	1
28	183484	TUBE ASSEMBLY/TWO-SPEED RIGHT	1
29	183978a	MANIFOLD/VALVE	1
30	184469	TUBE ASSEMBLY/TWO-SPEED VALVE	1
31	184470	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
32	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
33	184946	MANIFOLD	1
34	186927	TUBE ASSEMBLY/BRAKE VALVE	1
35	190488a	PUMP/TANDEM	1
36	190539	TUBE/CHARGE	1
37	191056	HOSE/MEDIUM PRESSURE 3/8 X 19-1/2	1
38	191162	HOSE/HIGH PRESSURE 3/4 X 23-13/16	1
39	191163	HOSE/HIGH PRESSURE 3/4 X 28	1
40	191164	HOSE/HIGH PRESSURE 3/4 X 21-3/4	2
41	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
	055898	O-RING	1
42	650453	SCREW/CAP 1/2 X 1-1/2	2
43	650839	SCREW/CAP 1/4 X 2-1/4	2
44	651620	SCREW/CAP M16 X 2MM X 30MM	12
45	193169d	PORT/TEST 9/16 UNF	1

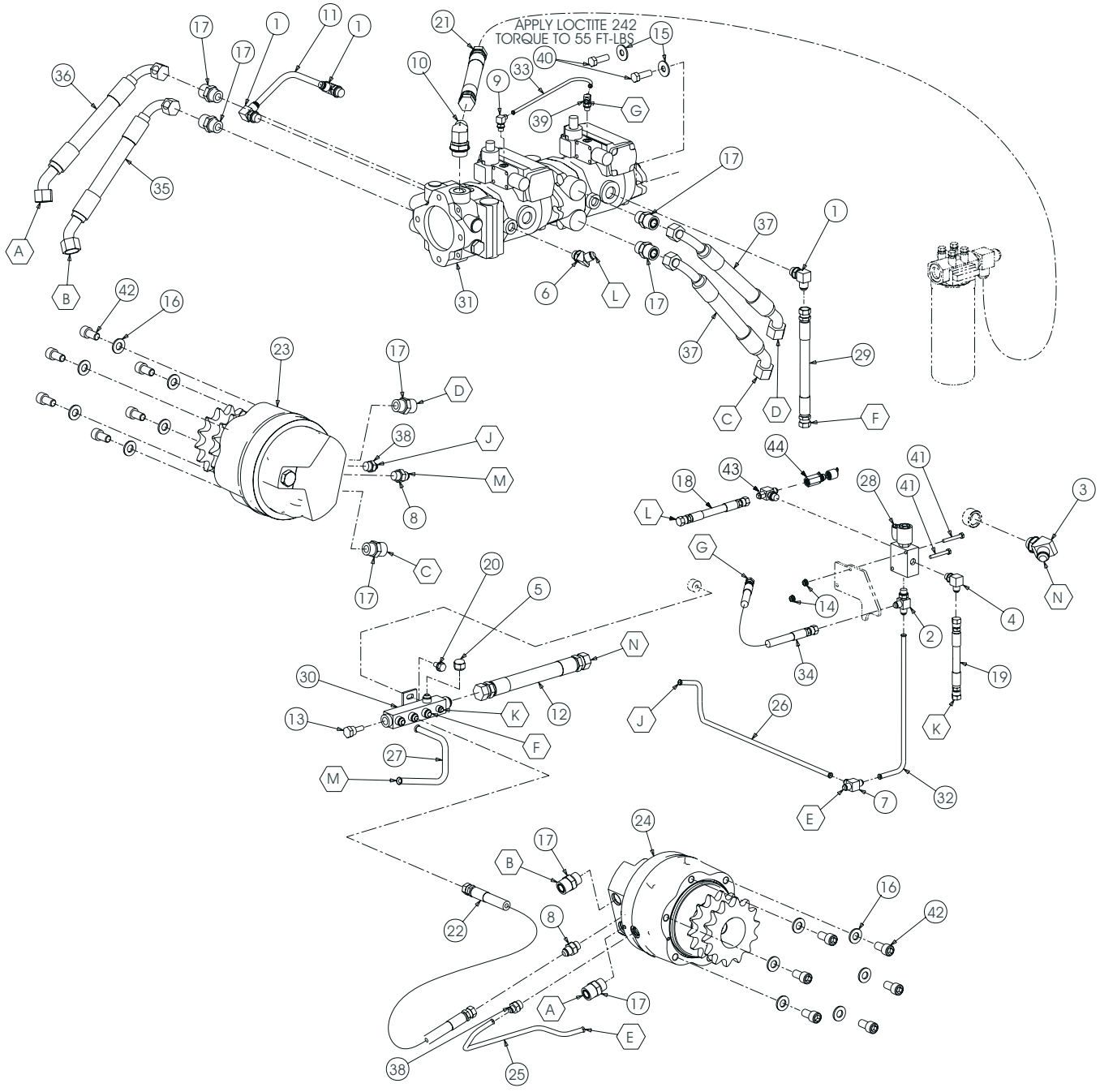
a) For breakdown see “Section B” of this manual.
b) SN 508951 and Before
c) SN 508952 and Up
d) Test port 193169 takes fitting 054820. Units without the test port use 054994.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5438 PSI (375 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

Single Speed - 6640 Models
T-Bar, Hand/Foot, Dual Hand and
T-Bar/Joystick Controls



DRIVE MOTOR PORT REFERENCE
SINGLE SPEED WITH SHUTTLES



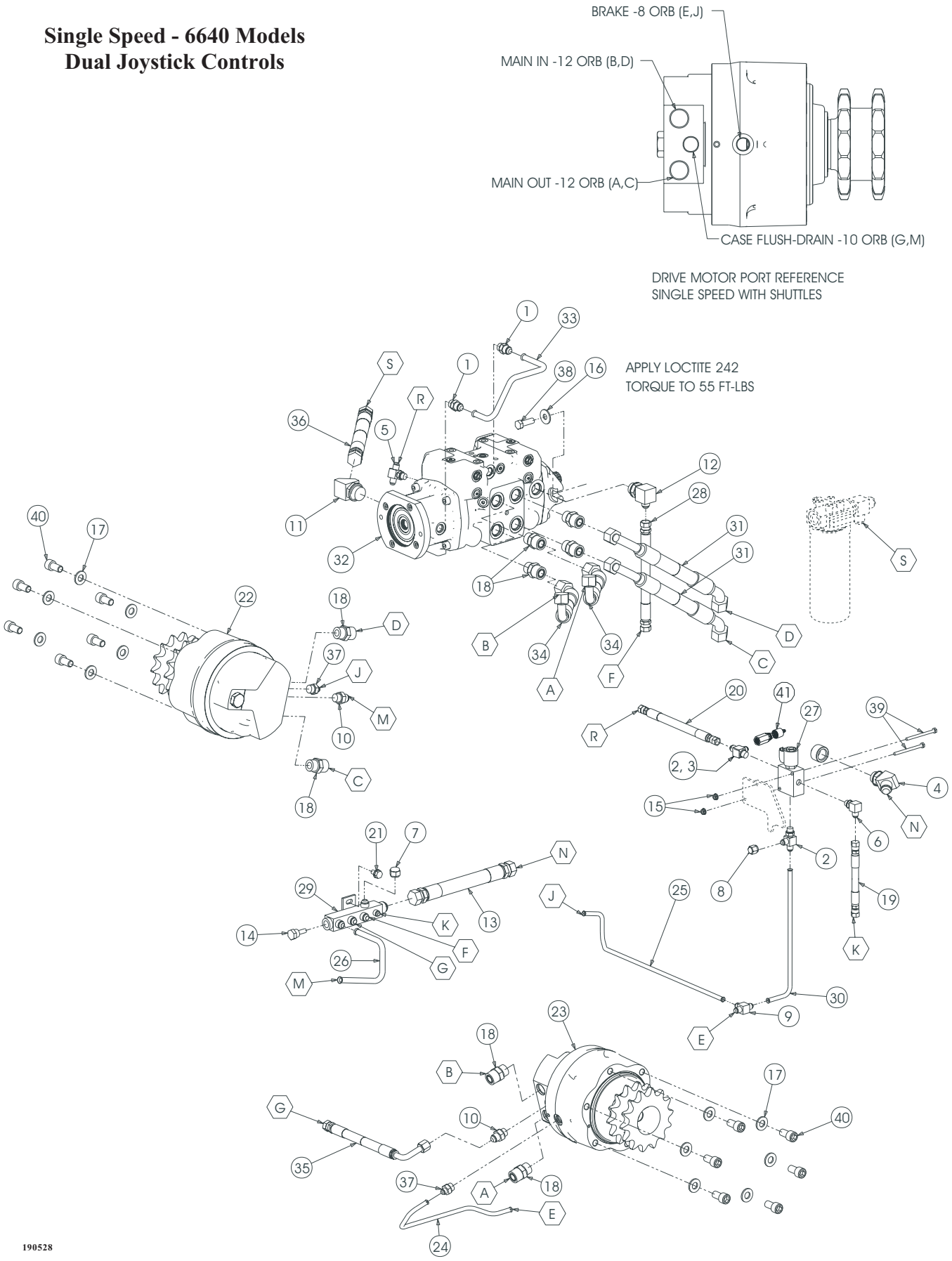
183109

Ref. No.	Part No.	Description	Single Speed Qty. 6640
1	054816	FITTING/90° SAE08 X JIC08	3
2	054820	FITTING/TEE SAE06 X JIC06 X JIC06	1
3	055064	FITTING/45° SAE12 X JIC12	1
4	068938b	FITTING/90° SAE06 X JIC06	1
5	076879	CAP/37° FLARE 3/4	1
6	076880	FITTING/45° SAE08 X JIC08	1
7	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
8	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
9	095601	ADAPTER/90° 40RM-4JIC	1
10	121684	FITTING/90° SAE16 X JIC16	1
11	122641	TUBE/CHARGE	1
12	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
13	132049	SWITCH/TEMPERATURE 230°	1
14	134588	NUT/SPIRALOCK™ 1/4	2
15	134966	WASHER/HARDENED FLAT 1/2	2
16	135773	WASHER/HARDENED FLAT 5/8	12
17	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING #12 FITTING	1
18	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
21	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
22	140023	HOSE/MEDIUM PRESSURE 1/2 X 38	1
23	195101af	MOTOR/SINGLE SPEED RIGHT	1
	140572ae	MOTOR/SINGLE SPEED RIGHT	1
24	195102af	MOTOR/SINGLE SPEED LEFT	1
	140573ae	MOTOR/SINGLE SPEED LEFT	1
25	183480	TUBE ASSEMBLY/BRAKE LEFT	1
26	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
27	183487	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
28	184102a	VALVE/SOLENOID	1
29	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
30	184946	MANIFOLD	1
31	186918ad	PUMP/TANDEM	1
	140586c	PUMP/TANDEM	1
32	186928	TUBE ASSEMBLY/BRAKE VALVE	1
33	187304	TUBE/TANDEM PUMP	1
34	187348	HOSE/MEDIUM PRESSURE 1/4 X 17	1
35	189153	HOSE/HIGH PRESSURE 3/4 X 25-7/8	1
36	189154	HOSE/HIGH PRESSURE 3/4 X 24-7/8	1
37	189155	HOSE/HIGH PRESSURE 34 X 23	2
38	230-24749	FITTING/STRAIGHT SAE08 X JIC06	2
	055898	O-RING	1
39	230-32753	FITTING/TEE JIC04 X SAE04 X JIC04	1
40	650453	SCREW/CAP 1/2 X 1-1/2	2
41	650706	SCREW/CAP 1/4 X 2	2
42	651620	SCREW/CAP M16 X 2MM X 30MM	12
43	055981b	FITTING/TEE JIC06 X SAE06 X JIC06	1
44	193169b	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) Test port 193169 takes fitting 055981. Units without the test port use 068938.
c) SN 604514 and Before
d) SN 604515 and Up
e) SN 607171 and Before
f) SN 607172 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Single Speed - 6640 Models
Dual Joystick Controls

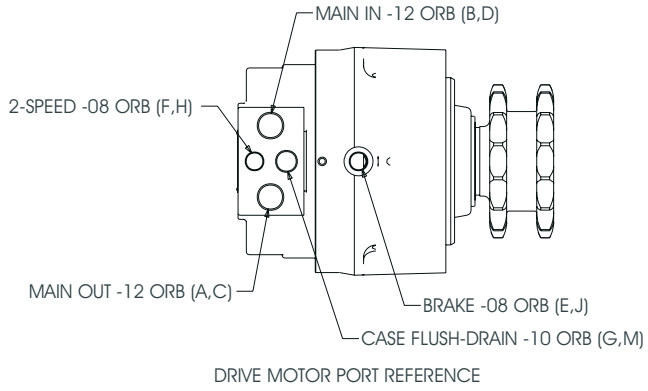


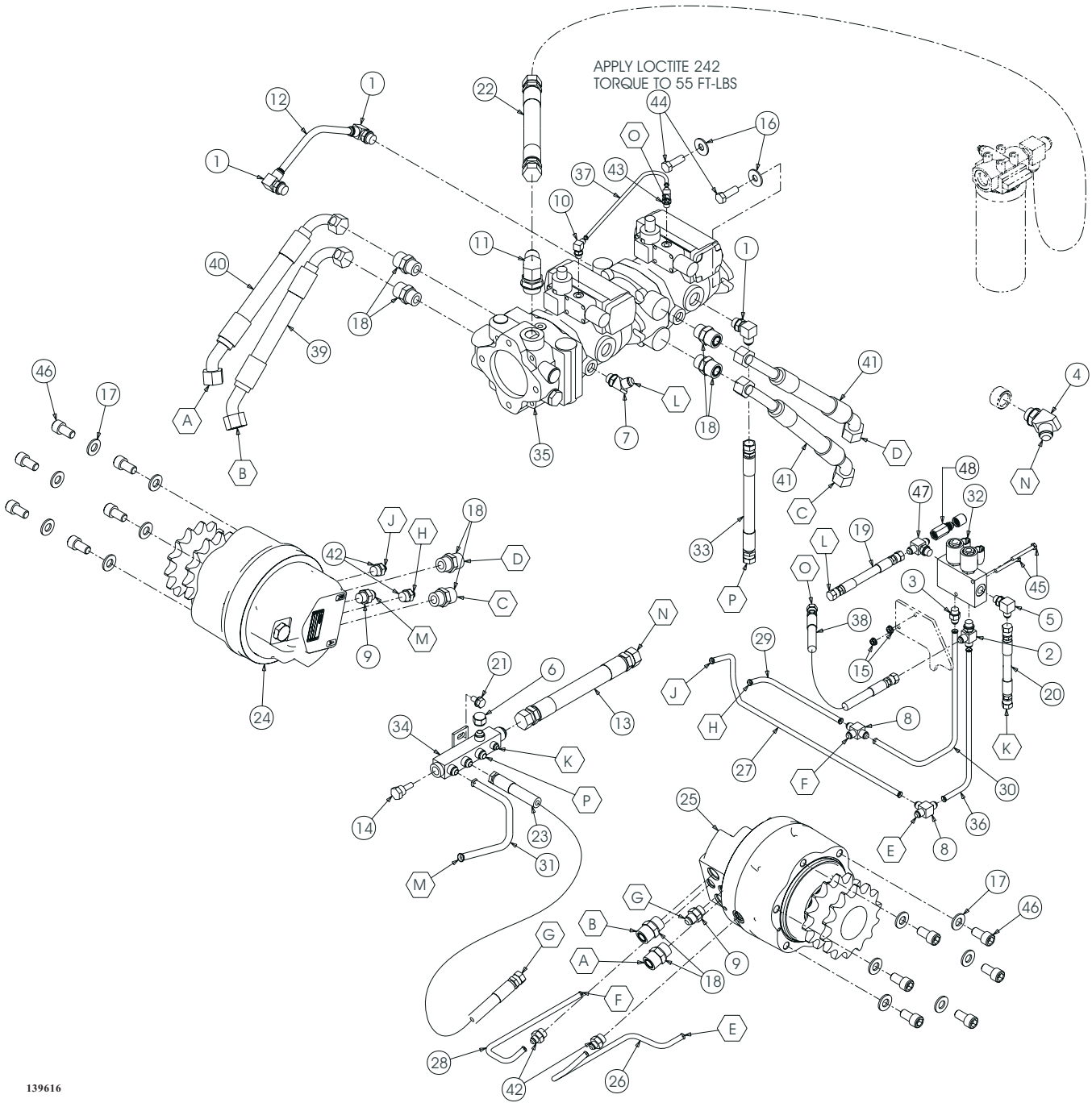
Ref. No.	Part No.	Description	Single-Speed Qty. 6640 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	2
2	054820b	FITTING/TEE SAE06 X JIC06 X JIC06	2
3	054994b	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938	FITTING/90° SAE06 X JIC06	1
7	076879	CAP/37° FLARE 3/4	1
8	080556	CAP/37° FLARE 9/16	1
9	087393	FITTING/TEE SAE06 X JIC06 X JIC06	1
10	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
11	121773	FITTING/45° SAE16 X JIC12	1
12	121775	FITTING/90° SAE12 X JIC08	1
13	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
14	132049	SWITCH/TEMPERATURE 230°	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	P471548	WASHER/HARD 1/2	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING #12 FITTING	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	137611	HOSE/MEDIUM PRESSURE 3/8 X 21	1
21	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
22	195101ad	MOTOR/SINGLE SPEED RIGHT	1
	140572ac	MOTOR/SINGLE SPEED RIGHT	1
23	195102ad	MOTOR/SINGLE SPEED LEFT	1
	140573ac	MOTOR/SINGLE SPEED LEFT	1
24	183480	TUBE ASSEMBLY/BRAKE LEFT	1
25	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
26	183487	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
27	184102a	VALVE/SOLENOID	1
28	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
29	184946	MANIFOLD	1
30	186928	TUBE ASSEMBLY/BRAKE VALVE	1
31	189155	HOSE/HIGH PRESSURE 3/4 X 23	2
32	190488a	PUMP/TANDEM	1
33	190539	TUBE/CHARGE	1
34	191162	HOSE/HIGH PRESSURE 3/4 X 23-13/16	1
35	191038	HOSE/HIGH PRESSURE 1/2 X 31	1
36	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
37	230-24749	FITTING/STRAIGHT SAE08 X JIC06	2
	055898	O-RING	1
38	650453	SCREW/CAP 1/2 X 1-1/2	2
39	650979	SCREW/CAP 1/4 X 3-1/4	2
40	651620	SCREW/CAP M16 X 2MM X 30MM	12
41	193169b	PORT/TEST 9/16 UNF	1

a) For breakdown see “Section B” of this manual.
b) Test port 193169 takes fitting 054820. Units without the test port use 054994.
c) SN 607171 and Before
d) SN 607172 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5438 PSI (375 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

Two-Speed - 6640 Models
T-Bar, Hand/Foot, Dual Hand and
T-Bar/Joystick Controls



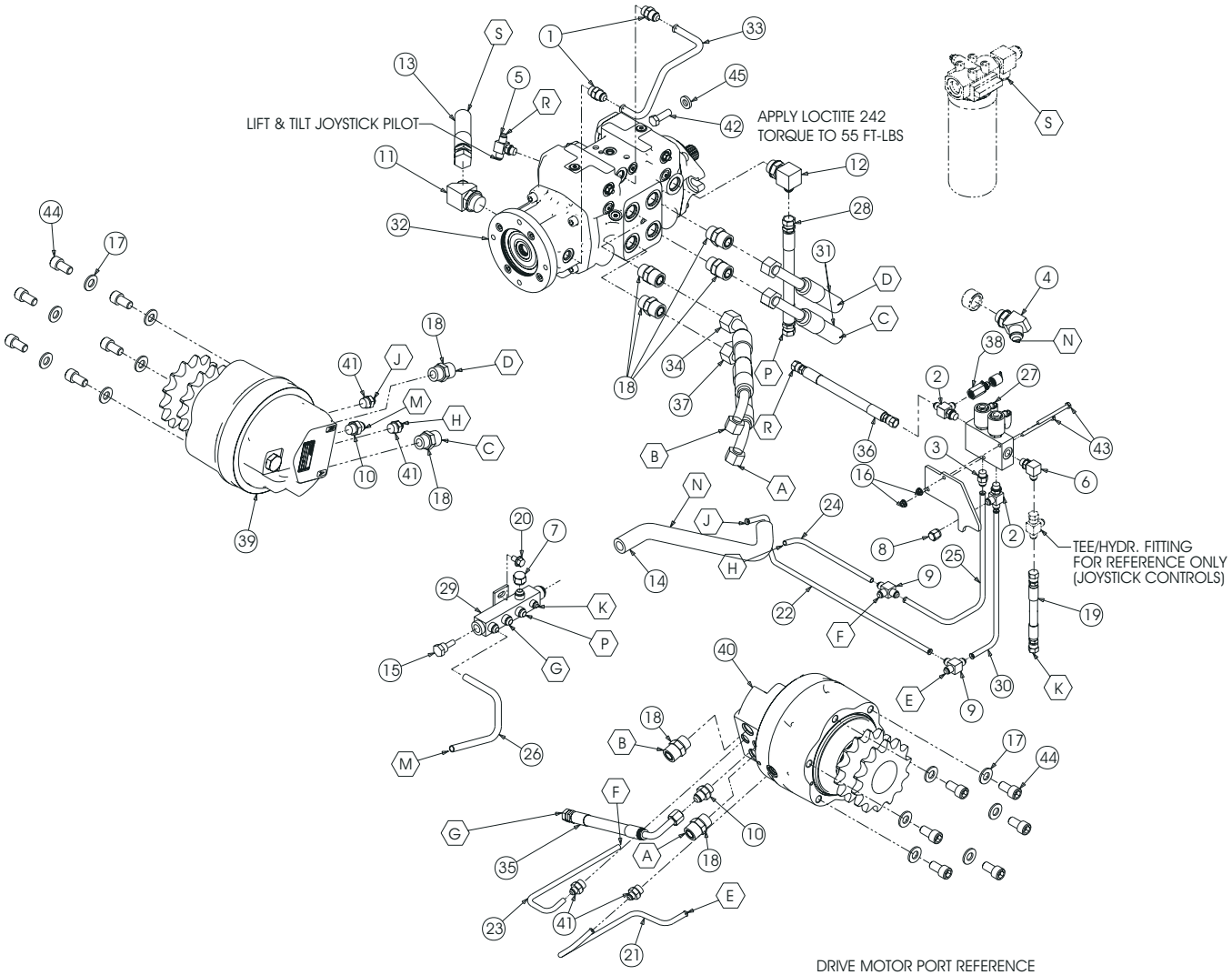


Ref. No.	Part No.	Description	Two-Speed Qty. 6640
1	054816	FITTING/90° SAE08 X JIC08	3
2	054820	FITTING/TEE SAE06 X JIC06 X JIC06	1
3	054994	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	068938d	FITTING/90° SAE06 X JIC06	1
6	076879	CAP/37° FLARE 3/4	1
7	076880	FITTING/45° SAE08 X JIC08	1
8	087393	FITTING/TEE SAE06 X JIC06 X JIC06	2
9	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
10	095601	ADAPTER/90° 40RM-4JIC	1
11	121684	FITTING/90° SAE16 X JIC16	1
12	122641	TUBE/CHARGE	1
13	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
14	132049	SWITCH/TEMPERATURE	1
15	134588	NUT/SPIRALOCK™ 1/4	2
16	134966	WASHER/HARDENED FLAT 1/2	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING #12 FITTING	1
19	136103	HOSE/MEDIUM PRESSURE 3/8 X 17	1
20	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
21	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
22	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
23	140023	HOSE/MEDIUM PRESSURE 1/2 X 38	1
24	193674ac	MOTOR/TWO-SPEED RIGHT	1
	140574ab	MOTOR/TWO-SPEED RIGHT	1
25	193675ac	MOTOR/TWO-SPEED LEFT	1
	140575ab	MOTOR/TWO-SPEED LEFT	1
26	183480	TUBE ASSEMBLY/BRAKE LEFT	1
27	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
28	183483	TUBE ASSEMBLY/TWO-SPEED LEFT	1
29	183484	TUBE ASSEMBLY/TWO-SPEED RIGHT	1
30	183485	TUBE ASSEMBLY/TWO-SPEED VALVE	1
31	183487	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
32	183978a	MANIFOLD/VALVE	1
33	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
34	184946	MANIFOLD	1
35	186918af	PUMP/TANDEM	1
	140586e	PUMP/TANDEM	1
36	186928	TUBE ASSEMBLY/BRAKE VALVE	1
37	187304	TUBE/TANDEM PUMP	1
38	187348	HOSE/MEDIUM PRESSURE 1/4 X 17	1
39	189153	HOSE/HIGH PRESSURE 3/4 X 25-7/8	1
40	189154	HOSE/HIGH PRESSURE 3/4 X 24-7/8	1
41	189155	HOSE/HIGH PRESSURE 34 X 23	2
42	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
	055898	O-RING	1
43	230-32753	FITTING/TEE JIC04 X SAE04 X JIC04/16	1
44	650453	SCREW/CAP 1/2 X 1-1/2	2
45	650839	SCREW/CAP 1/4 X 2-1/2	2
46	651620	SCREW/CAP M16 X 2MM X 30MM	12
47	055981d	FITTING/TEE JIC06 X SAE06 X JIC06	1
48	193169d	PORT/TEST 9/16 UNF	1

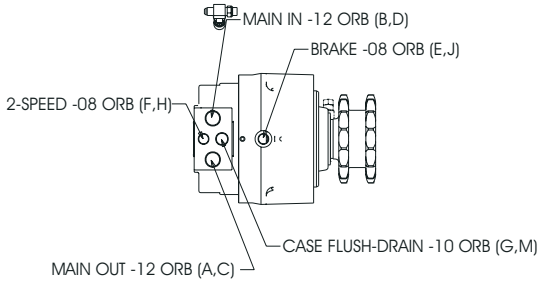
a) For breakdown see “Section B” of this manual. b) SN 606834 and Before. c) SN 606835 and Up
d) Test port 193169 takes fitting 055981. Units without the test port use 068938. e) SN 604514 and Before. f) SN 604515 and Up

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	250-300 PSI @ Full Throttle (17-21 bar)
TANDEM RELIEF	5500 PSI (379 bar)

Two-Speed - 6640 Models
Dual Joystick Controls



DRIVE MOTOR PORT REFERENCE



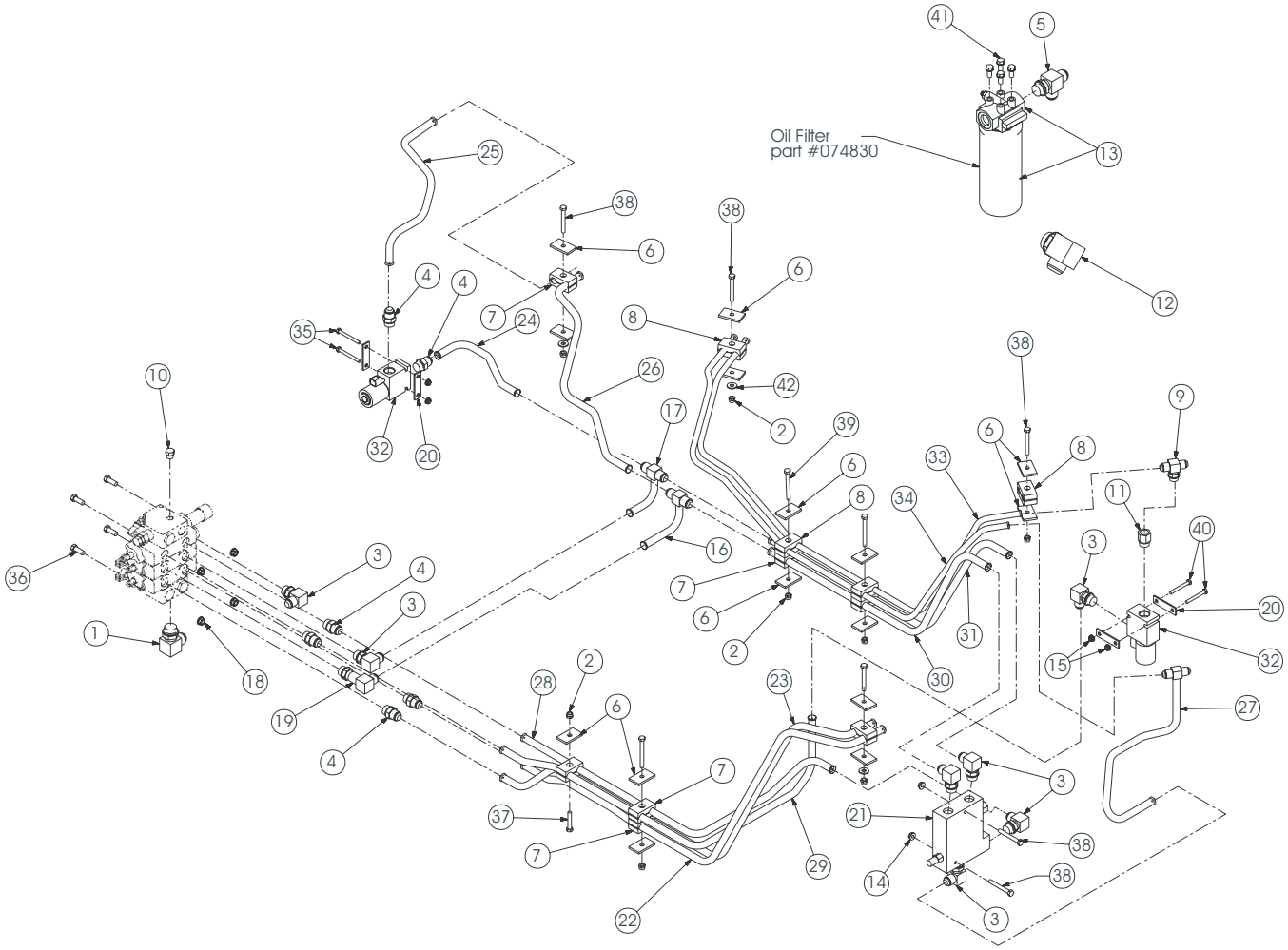
190529

Ref. No.	Part No.	Description	Two-Speed Qty. 6640 Dual Joystick
1	054626	FITTING/STRAIGHT SAE08 X JIC08	2
2	054820	FITTING/TEE SAE06 X JIC06 X JIC06	2
3	054994d	FITTING/STRAIGHT SAE06 X JIC06	1
4	055064	FITTING/45° SAE12 X JIC12	1
5	055981d	FITTING/TEE JIC06 X SAE06 X JIC06	1
6	068938	FITTING/90° SAE06 X JIC06	1
7	076879	CAP/37° FLARE 3/4	1
8	080556	CAP/37° FLARE 9/16	1
9	087393	FITTING/TEE SAE06 X JIC06 X JIC06	2
10	089099	FITTING/STRAIGHT SAE10 X JIC08	2
	055898	O-RING FOR #10 FITTING	1
11	121773	FITTING/45° SAE16 X JIC12	1
12	121775	FITTING/90° SAE12 X JIC08	1
13	131683	HOSE/MEDIUM PRESSURE 3/4 X 68	1
14	131859	HOSE/VERY HIGH PRESSURE 3/4 X 28	1
15	132049	SWITCH/TEMPERATURE 230°	1
16	134588	NUT/SPIRALOCK™ 1/4	2
17	135773	WASHER/HARDENED FLAT 5/8	12
18	135928	FITTING/STRAIGHT SAE12 X FF12	8
	137205	O-RING/#12 FACE SEAL	1
	048953	O-RING #12 FITTING	1
19	136104	HOSE/MEDIUM PRESSURE 3/8 X 30	1
20	139438	SCREW/CAP HEX FLANGE 3/8 X 5/8	1
21	183480	TUBE ASSEMBLY/BRAKE LEFT	1
22	183482	TUBE ASSEMBLY/BRAKE RIGHT	1
23	183483	TUBE ASSEMBLY/TWO-SPEED LEFT	1
24	183484	TUBE ASSEMBLY/TWO-SPEED RIGHT	1
25	183485	TUBE ASSEMBLY/TWO-SPEED VALVE	1
26	183487	TUBE ASSEMBLY/DRAIN RIGHT MOTOR	1
27	183978a	MANIFOLD/VALVE	1
28	184499	HOSE/MEDIUM PRESSURE 1/2 X 22	1
29	184946	MANIFOLD/HYDRAULIC RETURN	1
30	186928	TUBE ASSEMBLY/BRAKE VALVE	1
31	189155	HOSE/HIGH PRESSURE 3/4 X 23	2
32	190488a	PUMP/TANDEM	1
33	190539	TUBE/CHARGE	1
34	191036	HOSE/HIGH PRESSURE 3/4 X 24-3/4	1
35	191038	HOSE/MEDIUM PRESSURE 1/2 X 31	1
36	191056	HOSE/MEDIUM PRESSURE 3/8 X 19-1/2	1
37	191162	HOSE/HIGH PRESSURE 3/4 X 23-13/16	1
38	193169d	PORT/TEST 9/16 UNF	1
39	193674ac	MOTOR/TWO-SPEED RIGHT	1
	140574ab	MOTOR/TWO-SPEED RIGHT	1
40	193675ac	MOTOR/TWO-SPEED LEFT	1
	140575ab	MOTOR/TWO-SPEED LEFT	1
41	230-24749	FITTING/STRAIGHT SAE08 X JIC06	4
	055898	O-RING	1
42	650453	SCREW/CAP 1/2 X 1-1/2	2
43	650979	SCREW/CAP 1/4 X 3-1/4	2
44	651620	SCREW/CAP SOCKET HEAD M16 X 2MM X 30MM	12
45	P471548	WASHER/HARDENED FLAT 1/2	2

a) For breakdown see “Section B” of this manual.
b) SN 606834 and Before
c) SN 606835 and Up
d) Test port 193169 takes fitting 055981. Units without the test port use 054994.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
CHARGE PRESSURE	435 PSI (30 bar) @ 2600 RPM
TANDEM RELIEF	5438 PSI (375 bar)
PILOT (JOYSTICK) PRESSURE	250-275 PSI (17,2 - 18,9 bar) (with hot oil)

4640, 4840 and 5640 Models



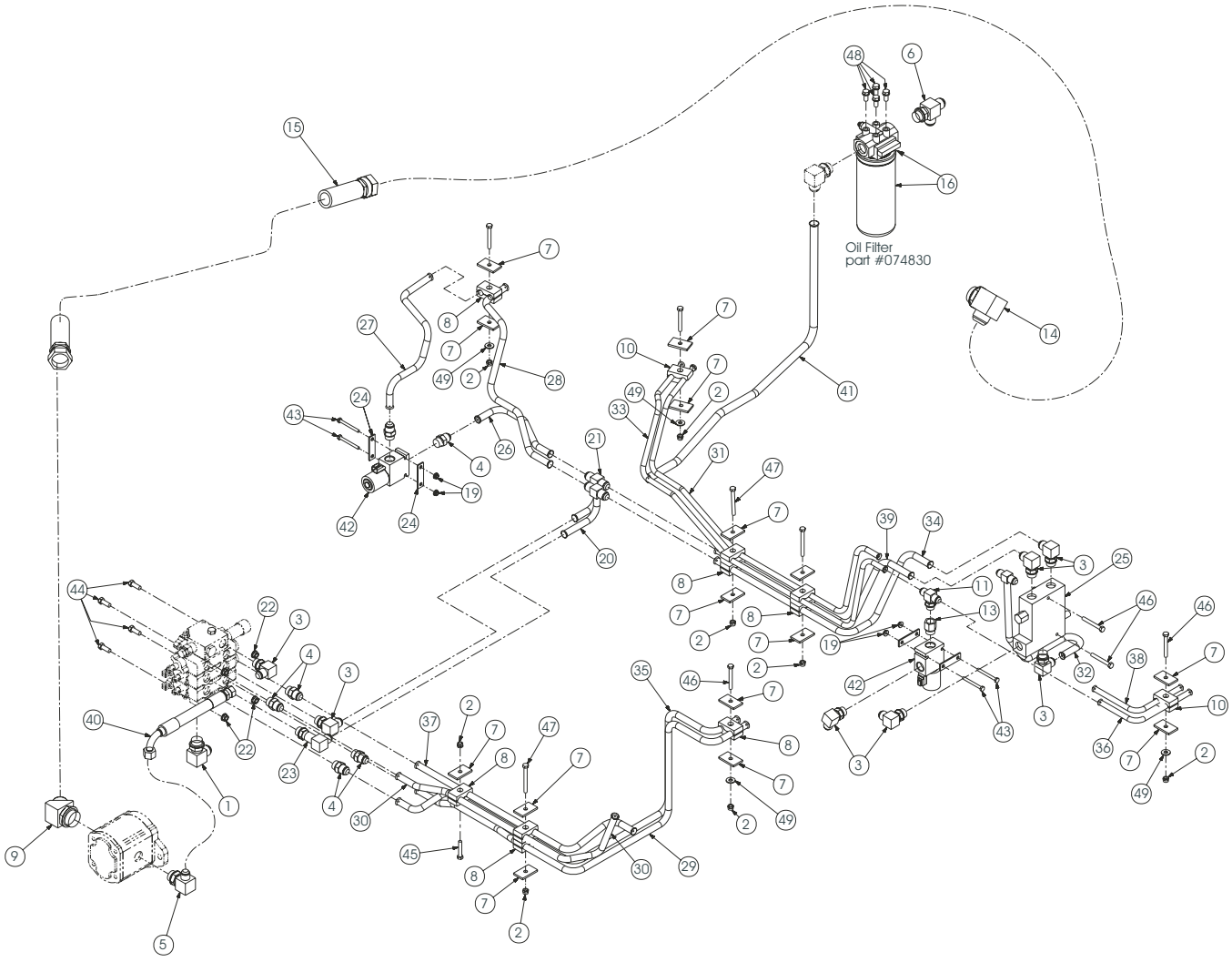
183309

Ref. No.	Part No.	Description	Quantity 46/48/5640
1	055005	FITTING/90° SAE12 X JIC12	1
2	064260	NUT/HEX 5/16	8
3	067761	FITTING/90° SAE10 X JIC10	7
4	072580	FITTING/STRAIGHT SAE10 X JIC10	6
5	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1
6	079098	PLATE/TWIN COVER	15
7	079126	CLAMP/TUBE 5/8	7
8	088904	CLAMP/TUBE 1/2	4
9	122340	FITTING/TEE JIC08 X SAE08 X JIC08	1
10	122778	PLUG SAE06	1
11	122899	FITTING/STRAIGHT SAE10 X SAF08	1
12	127349	FITTING/90° SAE20 X JIC20	1
13	131838	ASSEMBLY/FILTER	1
	074830	FILTER/HYDRAULIC OIL	1
	240336	INDICATOR/RESTRICTION	1
14	131842	NUT/SPIRALOCK™ 5/16	2
15	134588	NUT/SPIRALOCK™ 1/4	4
16	134613	TUBE/TILT	1
17	134614	TUBE/TILT	1
18	134852	NUT/SPIRALOCK™ 3/8	4
19	135139	FITTING/90° SAE10 X JIC10	1
20	135331	STRAP	4
21	135367a	VALVE/SELF LEVEL	1
22	139594	TUBE/AUXILIARY REAR	1
23	139596	TUBE/AUXILIARY FRONT	1
24	139597	TUBE/TILT SOLENOID	1
25	139598	TUBE/TILT	1
26	139599	TUBE/TILT	1
27	139689	TUBE/SELF LEVEL TO LIFT CYLINDER	1
28	139895	TUBE/LIFT	1
29	139896	TUBE/LIFT	1
30	139897	TUBE/TILT FRONT	1
31	139898	TUBE/TILT REAR	1
32	184101a	VALVE/SOLENOID	2
33	186940	TUBE/LIFT REAR	1
34	186941	TUBE/LIFT FRONT	1
35	650449	SCREW/CAP 1/4 X 2-1/2	2
36	650490	SCREW/CAP 3/8 X 1	4
37	650692	SCREW/CAP 5/16 X 1-3/4	1
38	650733	SCREW/CAP 5/16 X 2-1/2	6
39	650833	SCREW/CAP 5/16 X 3	3
40	650839	SCREW/CAP 1/4 X 2-1/4	2
41	651041	SCREW/MACHINE 3/8 X 3/4	4
42	654004	WASHER/FLAT 5/16	3

a) For breakdown see “Section B” of this manual.

Main Control Valve Table	
Skid-Steer Loader Control Type	**Control Valve Part Number Used**
T-Bar and Dual Hand	140594
Hand and Foot	140582
T-Bar/Joystick	188424
T-Bar/Joystick and Dual Joystick (with Electric Auxiliary)	190401

6640 Models



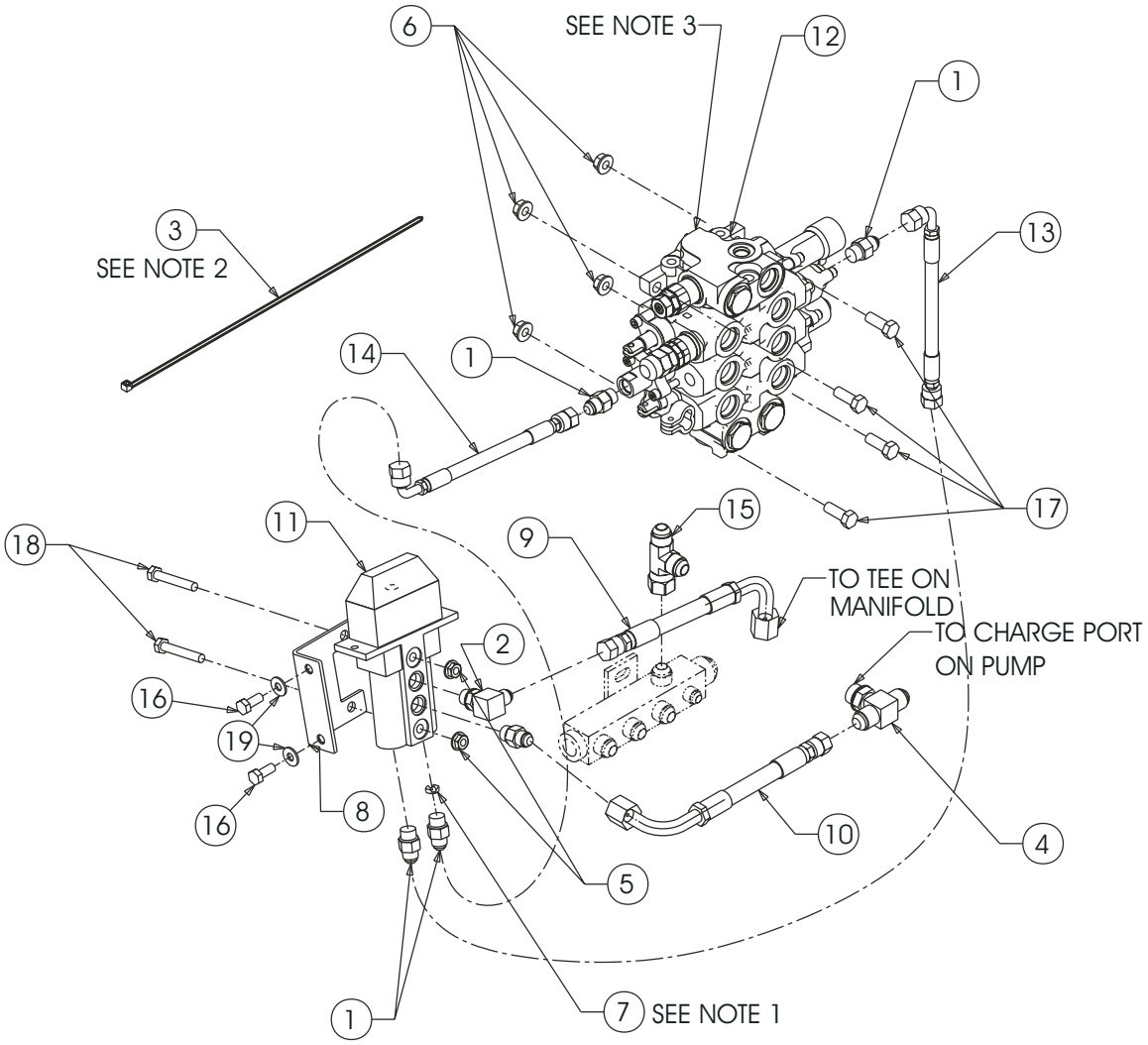
183366

Ref. No.	Part No.	Description	Quantity 6640
1	055005	FITTING/90° SAE12 X JIC12	2
2	064260	NUT/HEX 5/16	7
3	067761	FITTING/90° SAE10 X JIC10	7
4	072580	FITTING/STRAIGHT SAE10 X JIC10	6
5	072615	FITTING/90° SAE12 X JIC10	1
6	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1
7	079098	PLATE/TWIN COVER	14
8	079126	CLAMP/TUBE 5/8	6
9	079288	FITTING/45° SAE20 XJIC20	1
10	088904	CLAMP/TUBE 1/2	4
11	122340	FITTING/TEE JIC08 X SAE08 X JIC08	1
12	122778	PLUG SAE06	1
13	122899	FITTING/STRAIGHT SAE10 X SAF08	1
14	127349	FITTING/90° SAE20 X JIC20	1
15	131764	HOSE/SUCTION 1-1/4 X 63	1
16	131838	ASSEMBLY/FILTER	1
	074830	FILTER/HYDRAULIC OIL	1
	240336	INDICATOR/RESTRICTION	1
17	131842	NUT/SPIRALOCK™ 5/16	2
18	132213	PLUG/POWER BEYOND	1
19	134588	NUT/SPIRALOCK™ 1/4	4
20	134613	TUBE/TILT	1
21	134614	TUBE/TILT	1
22	134852	NUT/SPIRALOCK™ 3/8	4
23	135139	FITTING/90° XL SAE10 X JIC10	1
24	135331	STRAP	4
25	135367a	VALVE/SELF LEVEL	1
26	139597	TUBE/TILT SOLENOID	1
27	139598	TUBE/TILT	1
28	139599	TUBE/TILT	1
29	139651	TUBE/AUXILIARY REAR	1
30	139658	TUBE/LIFT	1
31	139663	TUBE/LIFT REAR	1
32	139665	TUBE/SELF LEVEL TO LIFT CYLINDER	1
33	139666	TUBE/LIFT FRONT	1
34	139667	TUBE/TILT	1
35	139668	TUBE/AUXILIARY FRONT	1
36	139669	TUBE/LIFT	1
37	139670	TUBE/LIFT	1
38	139673	TUBE/LIFT	1
39	139683	TUBE/TILT REAR	1
40	140036	HOSE/VERY HIGH PRESSURE 5/8 X 28	1
41	140275	TUBE/RETURN	1
42	184101a	VALVE/SOLENOID	2
43	650449	SCREW/CAP 1/4 X 2-1/2	4
44	650490	SCREW/CAP 3/8 X 1	4
45	650692	SCREW/CAP 5/16 X 1-3/4	1
46	650733	SCREW/CAP 5/16 X 2-1/2	2
47	650833	SCREW/CAP 5/16 X 3	3
48	651041	SCREW/MACHINE 3/8 X 3/4	4
49	654004	WASHER/FLAT 5/16	4

a) For breakdown see “Section B” of this manual.

Main Control Valve Table	
Skid-Steer Loader Control Type	**Control Valve Part Number Used**
T-Bar and Dual Hand	140594
Hand and Foot	140582
T-Bar/Joystick	188424
T-Bar/Joystick and Dual Joystick (with Electric Auxiliary)	190401

Hand and Foot Controls - Mechanical Auxiliary Control Valve



NOTES:

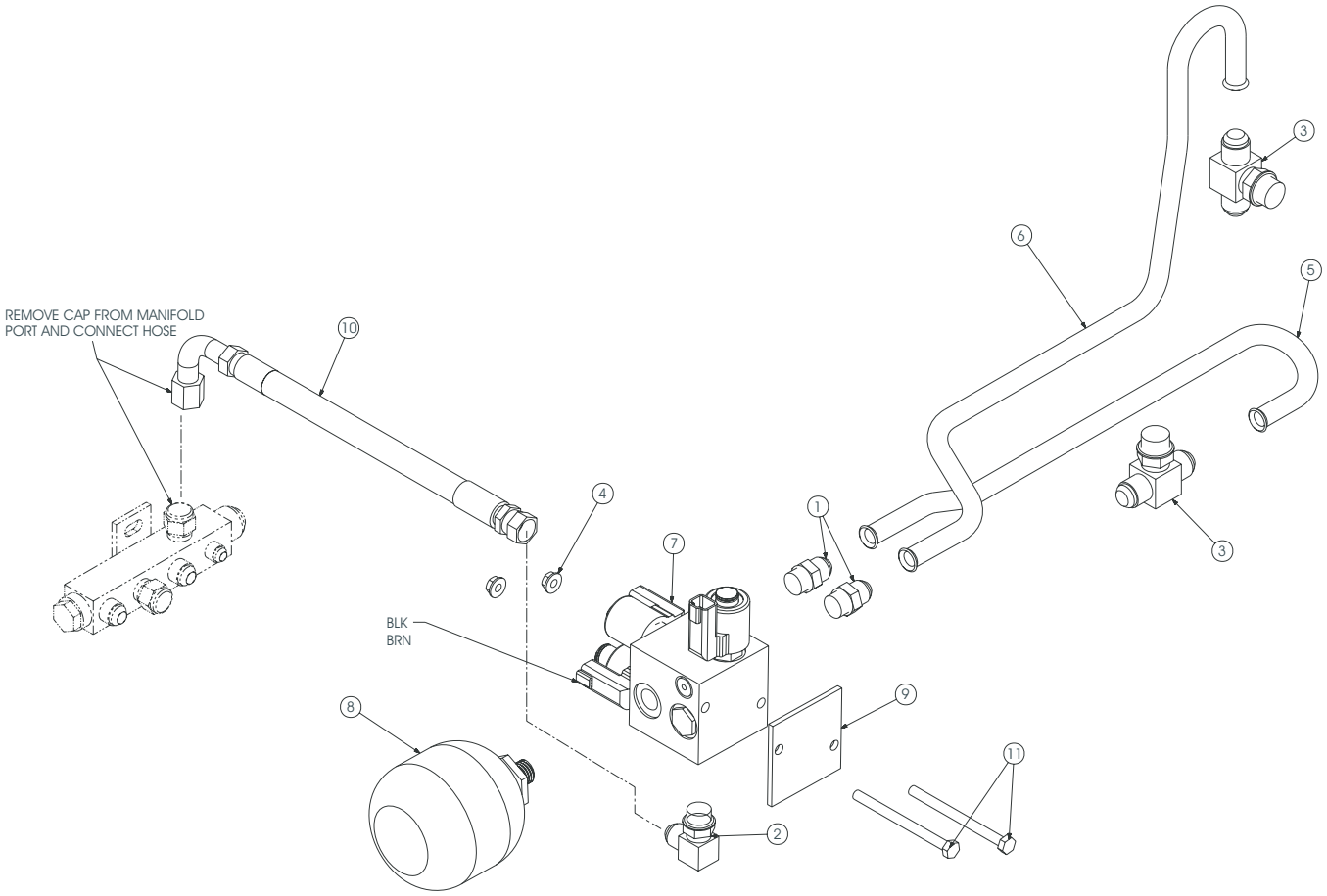
1) ORIFICE MUST BE INSTALLED WITH SLOT FACING PILOT VALVE, SMOOTH SIDE FACING FITTING.
2) APPLY NYLON TIE AROUND BASE OF RUBBER BOOT AFTER LINKAGE IS INSTALLED.
3) AFTER INSTALLATION, ADJUST MAIN RELIEF VALVE PRESSURE SETTING TO 2750 PSI (+/- 50 PSI) AT FULL ENGINE RPM.
4) BLEED PILOT LINES TO ELIMINATE ANY DELAY IN TILT RESPONSE TIME.

184818

Ref. No.	Part No.	Description	Mechanical Aux. Hand/Foot Qty.
1	054994	FITTING/STRAIGHT SAE06 JIC06	5
2	068938	FITTING/90° SAE06 X JIC06	1
3	074091	TIE/NYLON	1
4	122340	FITTING/TEE JIC08 X SAE08 X JIC08	1
5	131842	NUT/SPIRALOCK™ 5/16	2
6	134852	NUT/SPIRALOCK™ 3/8	4
7	136072	PLATE/ORIFICE	1
8	136143	BRACKET	1
9	136148	HOSE/MEDIUM PRESSURE 3/8 X 25	1
10	136149	HOSE/MEDIUM PRESSURE 3/8 X 28	1
11	137291	VALVE/PILOT CONTROL	1
	198256	O-RING (137291 SERVICE PART)	1
	198257	SEAL (137291 SERVICE PART)	1
	198258	ASSEMBLY/PLUNGER (137291 SERVICE PART)	1
12	140582a	VALVE/CONTROL	1
13	189604	HOSE/LOW PRESSURE 1/4 X 48	1
14	189605	HOSE/MEDIUM PRESSURE 1/4 X 37	1
15	230-19184	SWIVEL/FEMALE RUN TEE 3/4 JIC	1
16	650486	SCREW/CAP 5/16 X 3/4	2
17	650490	SCREW/CAP 3/8 X 1	4
18	650568	SCREW/CAP 5/16 X 2	2
19	654002	WASHER/FLAT 1/4	2

a) For breakdown see “Section B” of this manual.

Hydraglide™ Ride Control - 4640, 4840 and 5640 Models

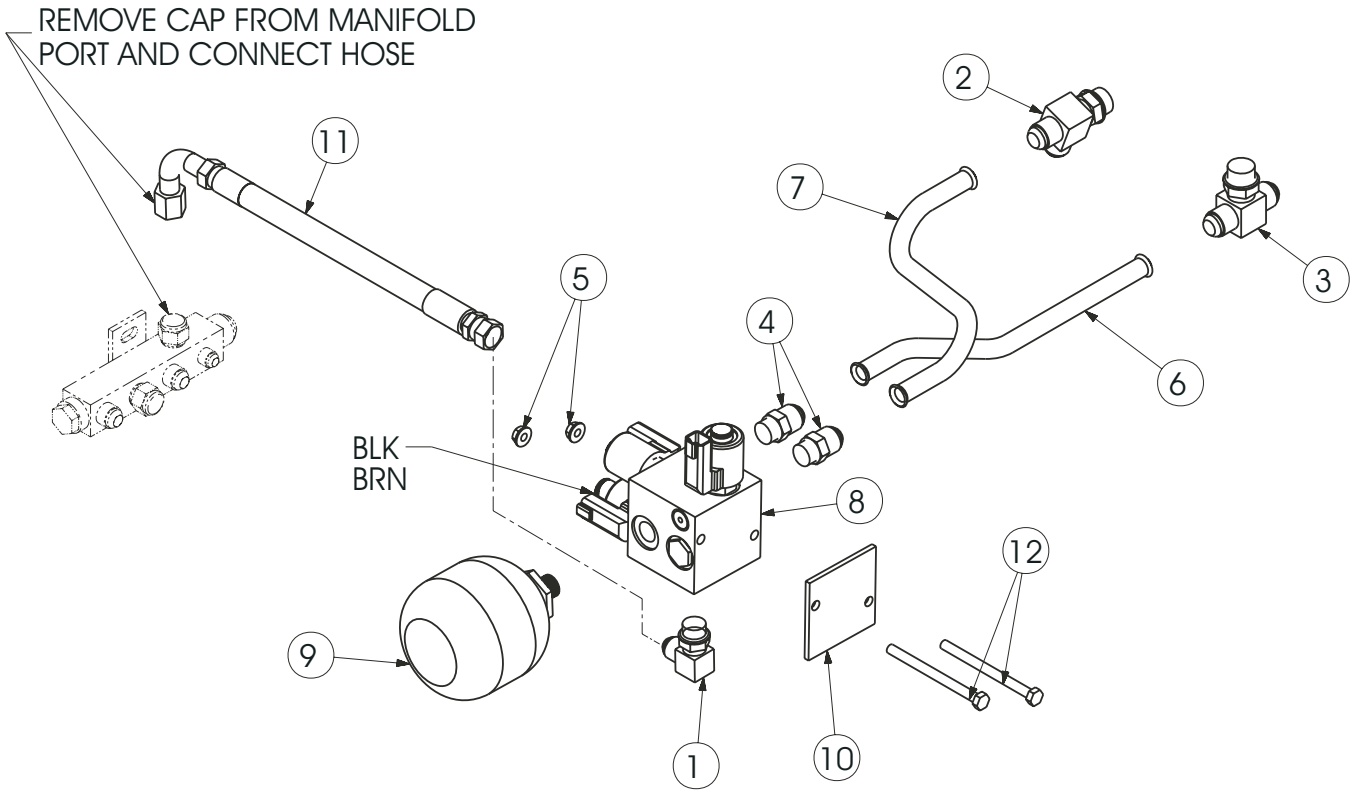


184898_183335

Ref. No.	Part No.	Description	Hydraglide™ Quantity 4640/4840	5640
1	230-30569	UNION/HYDRAULIC FITTING	2	2
2	054816	FITTING/90° SAE08 X JIC08	1	1
3	088044	FITTING/TEE JIC10 X SAE10 X JIC10	2	2
4	131842	NUT/SPIRALOCK™ 5/16	2	2
5	184897	TUBE/MANIFOLD	1	-
	139902	TUBE/MANIFOLD	-	1
6	184899	TUBE/MANIFOLD	1	-
	139903	TUBE/MANIFOLD	-	1
7	184363a	ASSEMBLY/MANIFOLD	1	1
8	184415	ACCUMULATOR	1	1
9	184843	PLATE/SPACER	1	1
10	184974	HOSE/MEDIUM PRESSURE 1/2 X 38	1	1
11	650814	SCREW/CAP 5/16 X 4	2	2

a) For breakdown see “Section B” of this manual.

Hydraglide™ Ride Control - 6640 Models

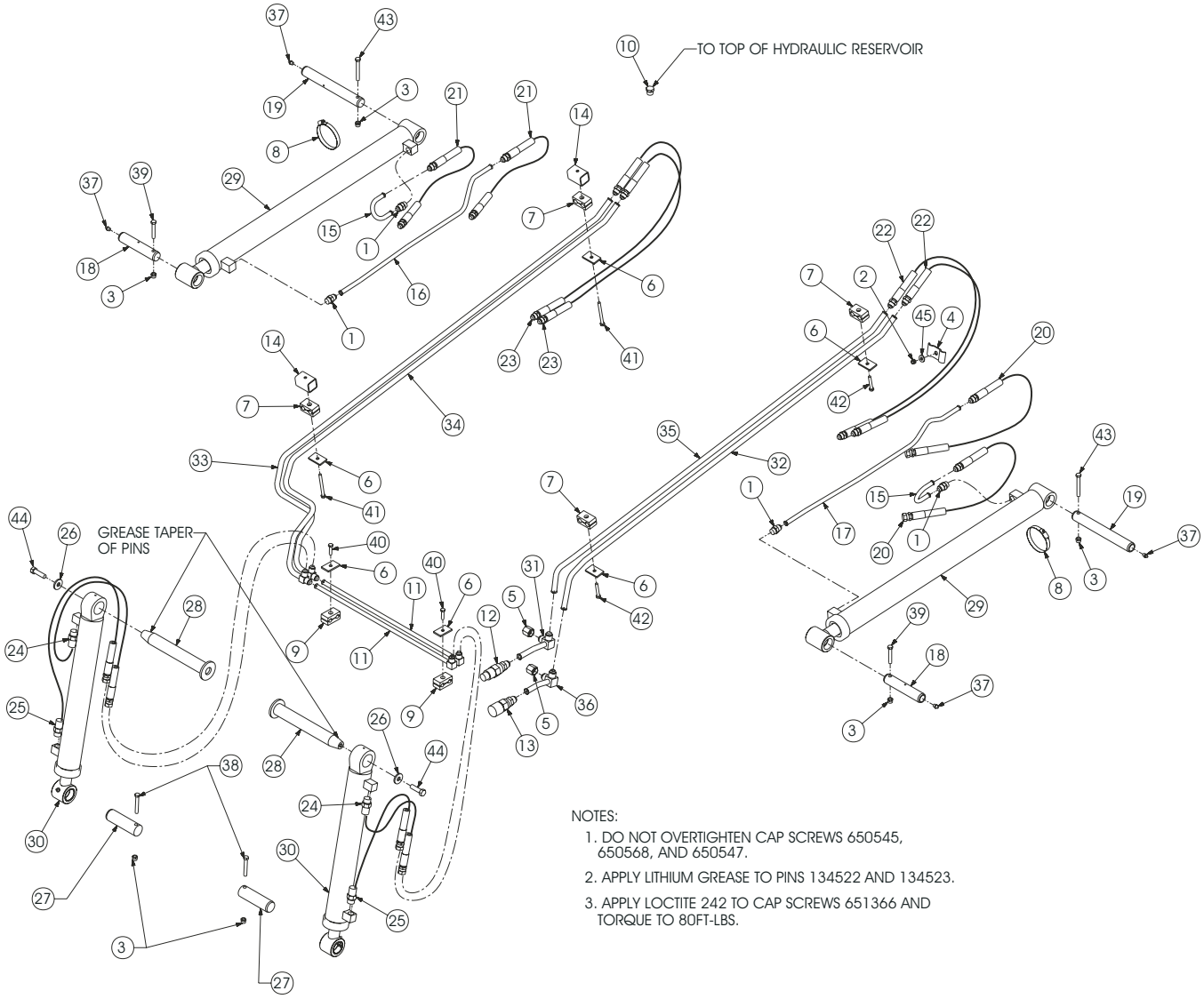


184041

Ref. No.	Part No.	Description	Hydraglide™ Quantity 6640
1	054816	FITTING/90° SAE08 X JIC08	1
2	072807	FITTING/TEE SAE10 X JIC10 X JIC10	1
3	088044	FITTING/TEE JIC10 X SAE10 X JIC10	1
4	230-30569	FITTING/STRAIGHT SAE 08 X JIC10	2
5	131842	NUT/SPIRALOCK™ 5/16	2
6	139583	TUBE/MANIFOLD	1
7	139664	TUBE/MANIFOLD	1
8	184363a	ASSEMBLY/MANIFOLD	1
9	184415	ACCUMULATOR	1
10	184843	PLATE/SPACER	1
11	184974	HOSE/MEDIUM PRESSURE 1/2 X 38	1
12	650814	SCREW/CAP 5/16 X 4	2

a) For breakdown see “Section B” of this manual.

4640 and 4840 Models with Auxiliary Hydraulics

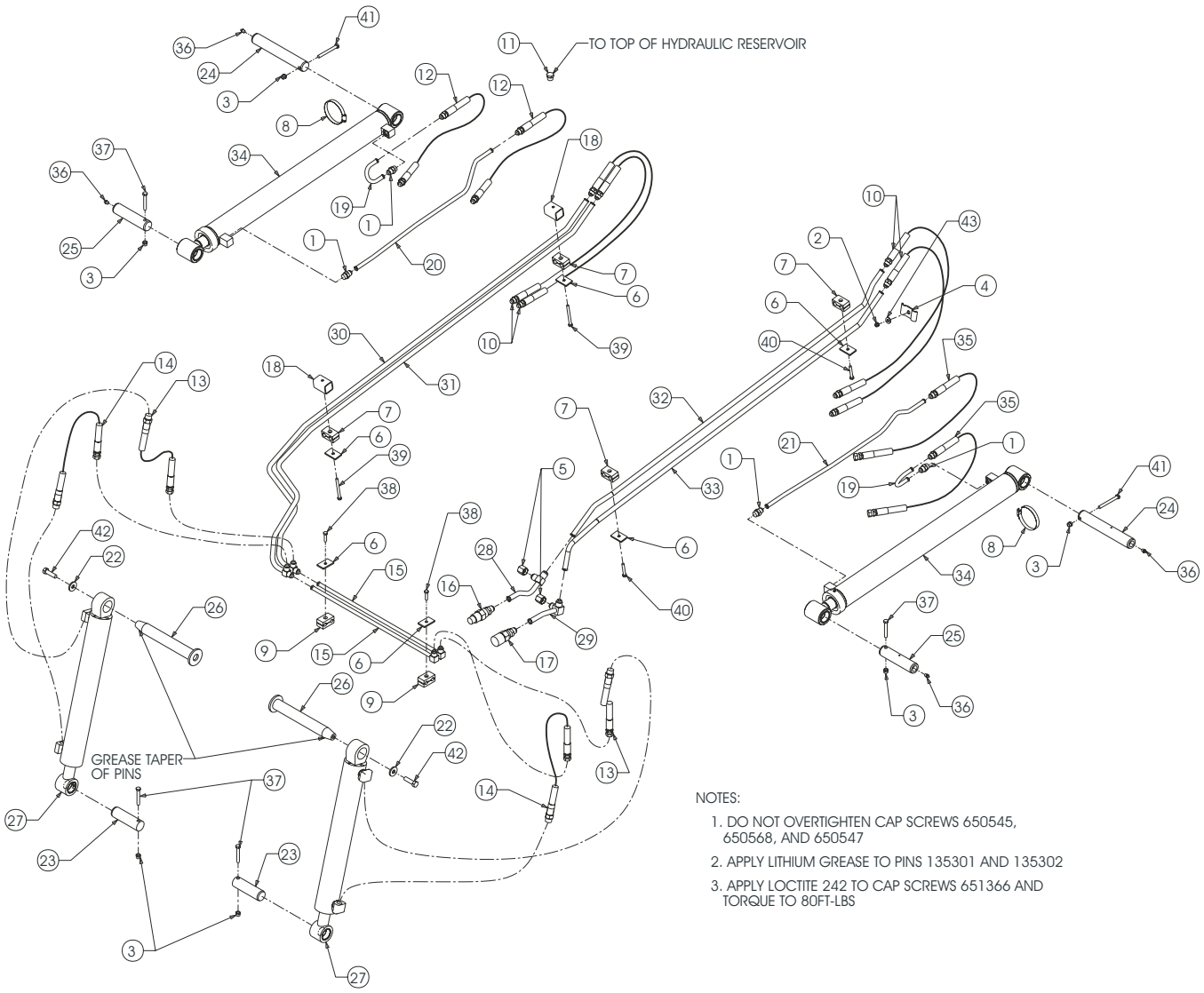


183421

Ref. No.	Part No.	Description	Quantity 4640/4840
1	054626	FITTING/STRAIGHT SAE08 X JIC08	4
2	064260	NUT/HEX 5/16	1
3	067847	NUT/HEX 3/8	6
4	074395	CLAMP/HOSE	1
5	075236f	CAP/37° 7/8	2
6	079098	PLATE/TWIN COVER	6
7	079126	CLAMP/TUBE 5/8	4
8	087849	CLAMP/HOSE (Do Not Over tighten)	2
9	088904	CLAMP/TUBE 1/2	2
10	131529	PLUG SAE08	1
11	131689	TUBE/TILT	2
12	131952	COUPLER/MALE	1
13	131953	COUPLER/FEMALE	1
14	132062	SPACER/TILT TUBE	2
15	134511	TUBE/LIFT CYLINDER BASE	2
16	134512	TUBE/LIFT CYLINDER RIGHT	1
17	134513	TUBE/LIFT CYLINDER LEFT	1
18	188161e	PIN/GREASE-FREE	2
	134522d	PIN	2
19	188983e	PIN/GREASE-FREE	2
	134523d	PIN	2
20	134696	HOSE/MEDIUM PRESSURE 3/8 X 21	2
21	134697	HOSE/MEDIUM PRESSURE 3/8 X 21	2
22	134698	HOSE/MEDIUM PRESSURE 5/8 X 48	2
23	134702	HOSE/MEDIUM PRESSURE 1/2 X 48	2
24	134855	HOSE/MEDIUM PRESSURE 3/8 X 14 (WITH PROTECTIVE SLEEVE)	2
25	134856	HOSE/MEDIUM PRESSURE 3/8 X 20 (WITH PROTECTIVE SLEEVE)	2
26	134966	WASHER/FLAT HARDENED 1/2	2
27	135300	PIN	2
28	135306	PIN/TILT CYLINDER (Grease on taper of pin) (80 ft-lbs)	2
29	139452a	CYLINDER/LIFT	2
30	183399a	CYLINDER/TILT	2
31	184286f	TUBE WITH TEE	1
32	191820h	TUBE/AUX OUTER	1
	184869g	TUBE/AUX OUTER UPPER	1
	134483b	TUBE/AUX OUTER UPPER	1
33	184956c	TUBE/TILT OUTER	1
	184155b	TUBE/TILT OUTER	1
34	184957c	TUBE/TILT INNER	1
	184156b	TUBE/TILT INNER	1
35	191819h	TUBE/AUX INNER	1
	184958g	TUBE/AUX INNER UPPER	1
	184287b	TUBE/AUX INNER UPPER	1
36	186059g	TUBE WITH TEE	1
	134474b	TUBE WITH TEE	1
37	570002d	FITTING/GREASE	4
38	650492	SCREW/CAP 3/8 X 2-1/2	2
39	650535	SCREW/CAP 3/8 X 2-1/4	2
40	650545	SCREW/CAP 5/16 X 1-1/4	2
41	650547	SCREW/CAP 5/16 X 3-1/2	2
42	650568	SCREW/CAP 5/16 X 2	2
43	650818	SCREW/CAP 3/8 X 3	2
44	651366	SCREW/CAP 1/2 X 1-3/4	2
45	654004	WASHER/FLAT 5/16	1

a) For Breakdown see “Section B” of this manual.
b) 4640: SN 306000 - 306279. 4840: SN 406000 - 406298
c) 4640: SN 306280 and Up. 4840: SN 406299 and Up
d) Pin that takes a grease zerk (P/N 570002) and requires lubricating grease for maintenance (earlier style).
e) A greaseless pin that requires no grease zerk or lubricating grease for maintenance (newer style).
f) 4640: SN 309024 and Before. 4840: SN 409926 and Before
g) 4640: SN 306280 - 309024. 4840: SN 406299 - 409926.
h) 4640: SN 309025 and Up. 4840: SN 409927 and Up

5640 Models with Auxiliary Hydraulics

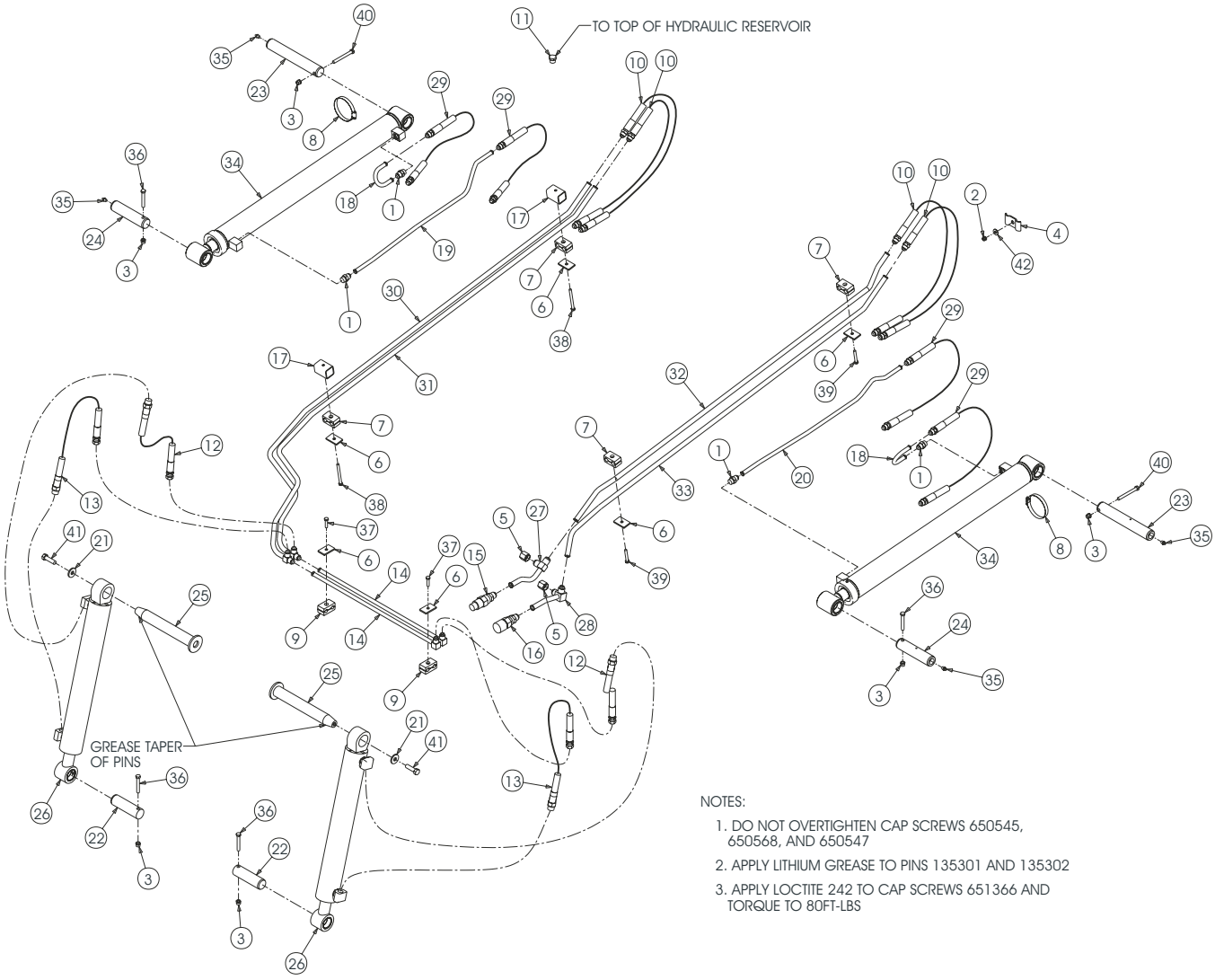


183386

Ref. No.	Part No.	Description	Quantity 5640
1	054626	FITTING/STRAIGHT SAE08 X JIC08	4
2	064260	NUT/HEX 5/16	1
3	067847	NUT/HEX 3/8	6
4	074395	CLAMP/HOSE	1
5	075236f	CAP/37° FLARE 7/8	2
6	079098	PLATE/TWIN COVER	6
7	079126	CLAMP/TUBE 5/8	4
8	087849	CLAMP/HOSE (Do Not Over tighten)	2
9	088904	CLAMP/TUBE 1/2	2
10	131431	HOSE/MEDIUM PRESSURE 5/8 X 56	4
11	131529	PLUG SAE08	1
12	131556	HOSE/MEDIUM PRESSURE 3/8 X 28	1
13	131573	HOSE/MEDIUM PRESSURE 3/8 X 15 WITH PROTECTIVE SLEEVE	2
14	131574	HOSE/MEDIUM PRESSURE 3/8 X 22 WITH PROTECTIVE SLEEVE	2
15	131689	TUBE/TILT	2
16	131952	COUPLER/MALE	1
17	131953	COUPLER/FEMALE	1
18	132062	SPACER/TILT TUBE	2
19	134511c	TUBE/LIFT CYL BASE	2
	088273b	TUBE/LIFT CYL BASE	2
20	134512	TUBE/LIFT CYL RIGHT	1
21	134513	TUBE/LIFT CYL LEFT	1
22	134966	WASHER/FLAT HARDENED 1/2	2
23	135300	PIN	2
24	188056e	PIN/GREASE-FREE	2
	135301d	PIN	2
25	188915e	PIN/GREASE-FREE	2
	135302d	PIN	2
26	135306	PIN/TILT CYLINDER	2
27	183387a	CYLINDER/TILT	2
28	184204f	TUBE WITH TEE	1
29	184205f	TUBE WITH TEE	1
30	184959c	TUBE/TILT OUTER	1
	184147b	TUBE/TILT OUTER	1
31	184960c	TUBE/TILT INNER	1
	184148b	TUBE/TILT INNER	1
32	191839h	TUBE/AUX INNER	1
	184961g	TUBE/AUX INNER	1
	184203b	TUBE/AUX INNER	1
33	191840h	TUBE/AUX OUTER	1
	184962g	TUBE/AUX OUTER	1
	184225b	TUBE/AUX OUTER	1
34	186074ac	CYLINDER/LIFT	2
	139453b	CYLINDER/LIFT	2
35	186077	HOSE/MEDIUM PRESSURE 3/8 X 28	2
36	570002d	FITTING/GREASE	4
37	650492	SCREW/CAP 3/8 X 2-1/2	4
38	650545	SCREW/CAP 5/16 X 1-1/4	2
39	650547	SCREW/CAP 5/16 X 3-1//2	2
40	650568	SCREW/CAP 5/16 X 2	2
41	650731	SCREW/CAP 3/8 X 3-1/2	2
42	651366	SCREW/CAP 1/2 X 1-3/4	2
43	654004	WASHER/FLAT 5/16	1

a) For breakdown see “Section B” of this manual.
b) SN 504300 - 504346
c) SN 504347 and Up
d) Pin that takes a grease zerk (P/N 570002) and requires lubricating grease for maintenance (earlier style).
e) A greaseless pin that requires no grease zerk or lubricating grease for maintenance (newer style).
f) SN 508016 and Before
g) SN 504347 - 508016.
h) SN 508017 and Up

6640 Models with Auxiliary Hydraulics

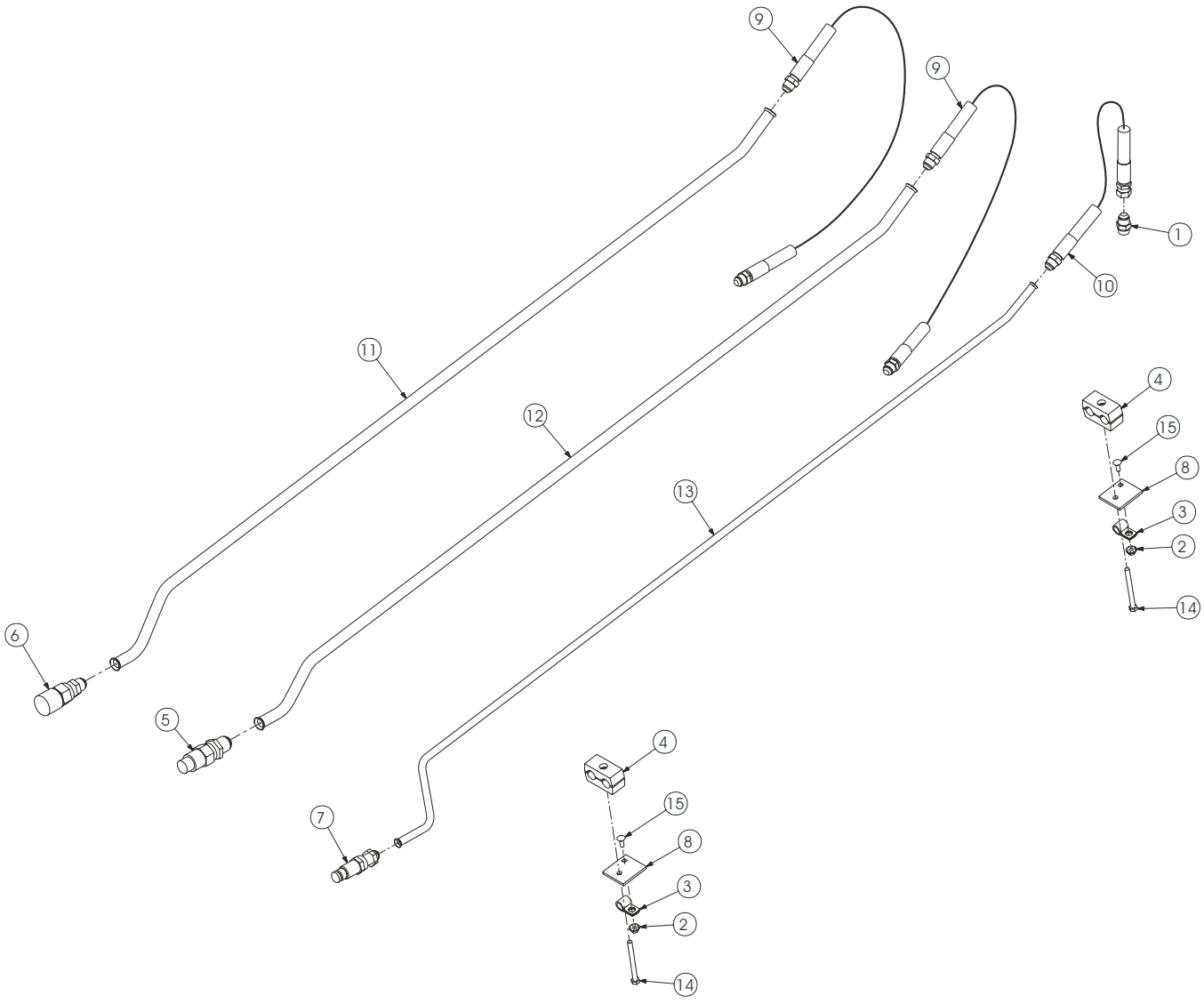


184717

Ref. No.	Part No.	Description	Quantity 6640
1	054626	FITTING/STRAIGHT SAE08 X JIC08	4
2	064260	NUT/HEX 5/16	1
3	067847	NUT/HEX 3/8	6
4	074395	CLAMP/HOSE	1
5	075236f	CAP/37° FLARE 7/8	2
6	079098	PLATE/TWIN COVER	6
7	079126	CLAMP/TUBE 5/8	4
8	087849	CLAMP/HOSE (Do Not Over tighten)	2
9	088904	CLAMP/TUBE 1/2	2
10	131451	HOSE/MEDIUM PRESSURE 5/8 X 49	4
11	131529	PLUG SAE08	1
12	131573	HOSE/MEDIUM PRESSURE 3/8 X 15 WITH PROTECTIVE SLEEVE	2
13	131574	HOSE/MEDIUM PRESSURE 3/8 X 22 WITH PROTECTIVE SLEEVE	2
14	131689	TUBE/TILT	2
15	131952	COUPLER/MALE	1
16	131953	COUPLER/FEMALE	1
17	132062	SPACER/TILT TUBE	2
18	134511c	TUBE/LIFT CYL BASE	2
	088273b	TUBE/LIFT CYL BASE	2
19	134512	TUBE/LIFT CYL RIGHT	1
20	134513	TUBE/LIFT CYL LEFT	1
21	134966	WASHER/FLAT HARDENED 1/2	2
22	135300	PIN	2
23	188056e	PIN/GREASE-FREE	2
	135301d	PIN	2
24	188915e	PIN/GREASE-FREE	2
	135302d	PIN	2
25	135306	PIN/TILT CYLINDER	2
26	183387a	CYLINDER/TILT	2
27	184204f	TUBE WITH TEE	1
28	184205f	TUBE WITH TEE	1
29	184817	HOSE/MEDIUM PRESSURE 3/8 X 23	4
30	184959c	TUBE/TILT OUTER	1
	184147b	TUBE/TILT OUTER	1
31	184960c	TUBE/TILT INNER	1
	184148b	TUBE/TILT INNER	1
32	191839h	TUBE/AUX INNER	1
	184961g	TUBE/AUX INNER	1
	184203b	TUBE/AUX INNER	1
33	191840h	TUBE/AUX OUTER	1
	184962g	TUBE/AUX OUTER	1
	184225b	TUBE/AUX OUTER	1
34	186074ac	CYLINDER/LIFT	2
	139453b	CYLINDER/LIFT	2
35	570002d	FITTING/GREASE	4
36	650492	SCREW/CAP 3/8 X 2-1/2	4
37	650545	SCREW/CAP 5/16 X 1-1/4	2
38	650547	SCREW/CAP 5/16 X 3-1//2	2
39	650568	SCREW/CAP 5/16 X 2	2
40	650731	SCREW/CAP 3/8 X 3-1/2	2
41	651366	SCREW/CAP 1/2 X 1-3/4	2
42	654004	WASHER/FLAT 5/16	1

a) For breakdown see “Section B” of this manual.
b) SN 604000-604215
c) SN 604216 and Up
d) Pin that takes a grease zerk (P/N 570002) and requires lubricating grease for maintenance (earlier style).
e) A greaseless pin that requires no grease zerk or lubricating grease for maintenance (newer style).
f) SN 606319 and Before
g) SN 604216 - 606319
h) SN 606320 and Up

4640 and 4840 Models
High Flow Auxiliary Hydraulics



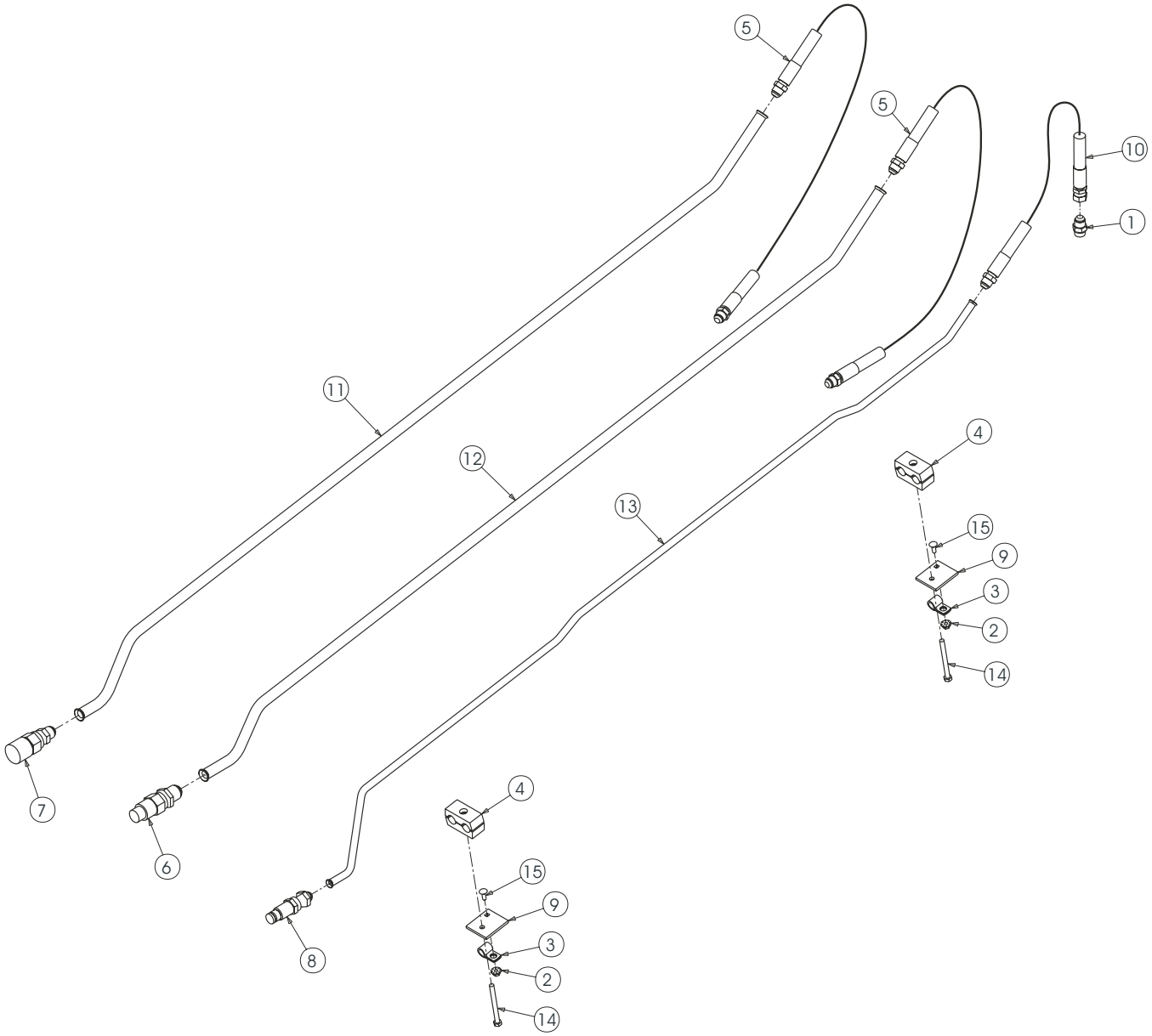
183398

Ref. No.	Part No.	Description	Quantity 4640/4840 HF Aux.
1	054626	FITTING/STRAIGHT SAE08 X JIC08	1
2	070634	NUT/SERRATED LOCK 1/4	2
3	076147	CLAMP/HOSE	2
4	079097	CLAMP/TUBE 3/4 (Do Not Over tighten)	2
5	131771	COUPLER/MALE	1
6	131772	COUPLER/FEMALE	1
7	131958	COUPLER/MALE	1
8	132148	BAR	2
9	134728	HOSE/MEDIUM PRESSURE 3/4 X 42	2
10	134729	HOSE/MEDIUM PRESSURE 3/8 X 30	1
11	184927b	TUBE/HIGH FLOW OUTER	1
	134497a	TUBE/HIGH FLOW OUTER	1
12	184928b	TUBE/HIGH FLOW INNER	1
	134496a	TUBE/HIGH FLOW INNER	1
13	184929b	TUBE/DRAIN	1
	134509a	TUBE/DRAIN	1
14	650547	SCREW/CAP 5/16 X 3-1/2	2
15	650758	BOLT/CARRIAGE 1/4 X 3/4	2

a) 4640: SN 306000-306279. 4840: SN 406000-406298

b) 4640: SN 306280 and Up. 4840: SN 406299 and Up

5640 and 6640 Models
High Flow Auxiliary Hydraulics



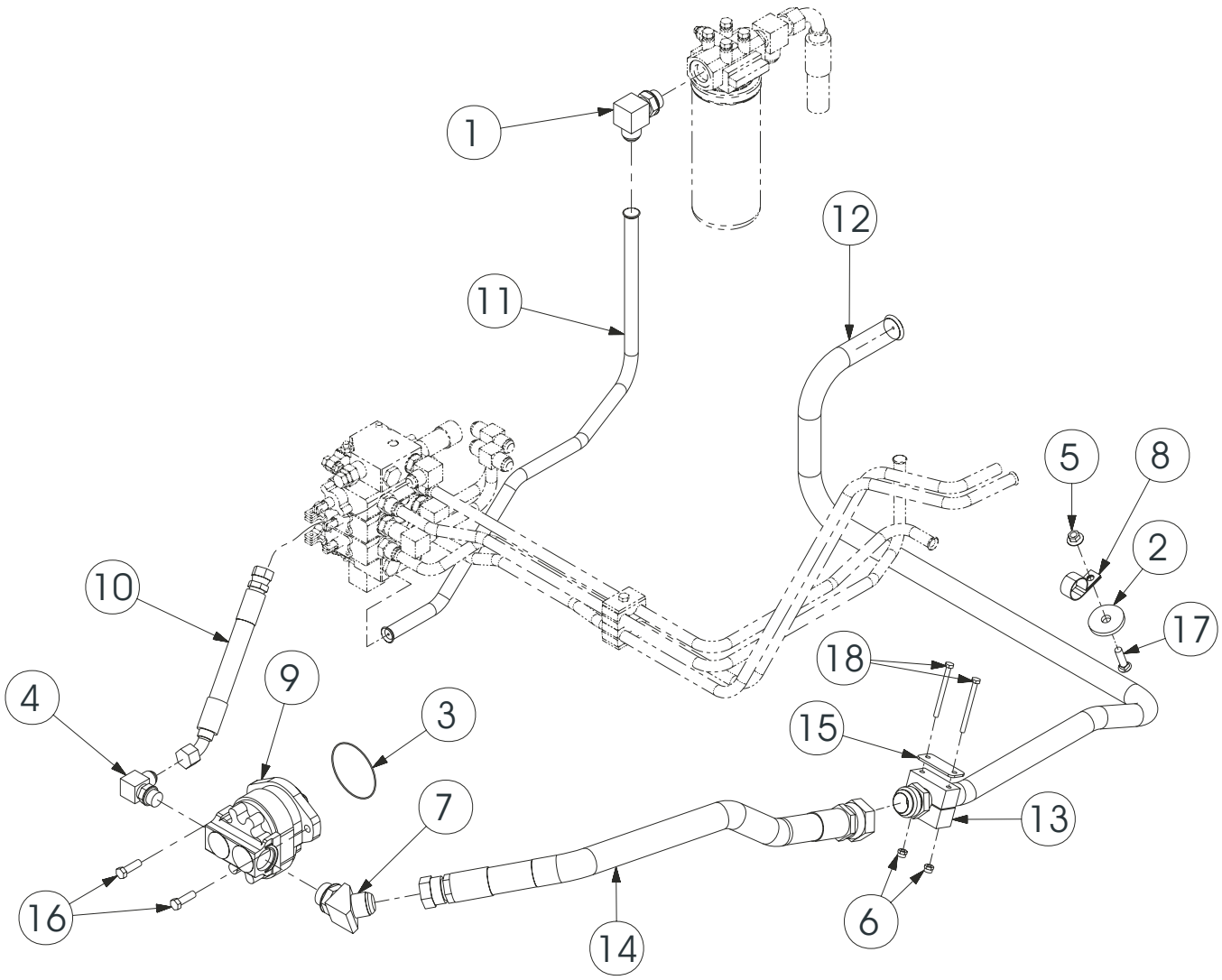
183389

Ref. No.	Part No.	Description	Quantity 5640/6640 HF Aux.
1	054626	FITTING/STRAIGHT SAE08 X JIC08	1
2	070634	NUT/SERRATED LOCK 1/4	2
3	076147	CLAMP/HOSE	2
4	079097	CLAMP/TUBE 3/4 (Do Not Over tighten)	2
5	131453	HOSE/MEDIUM PRESSURE 3/4 X 57	2
6	131771	COUPLER/MALE	1
7	131772	COUPLER/FEMALE	1
8	131958	COUPLER/MALE	1
9	132148	BAR	2
10	136058	HOSE/MEDIUM PRESSURE 3/8 X 35	1
11	184936b	TUBE/HIGH FLOW OUTER	1
	131939a	TUBE/HIGH FLOW OUTER	1
12	184937b	TUBE/HIGH FLOW INNER	1
	131938a	TUBE/HIGH FLOW INNER	1
13	184938b	TUBE/DRAIN	1
	132133a	TUBE/DRAIN	1
14	650547	SCREW/CAP 5/16 X 3-1/2	2
15	650758	BOLT/CARRIAGE 1/4 X 3/4	2

a) 5640: SN 504300-504346. 6640: SN 604000-604215

b) 5640: SN 504347 and Up. 6640: SN 604216 and Up

Standard Auxiliary - 4640 and 4840 Models
T-Bar, Hand/Foot, Dual Hand and T-Bar/Joystick Controls

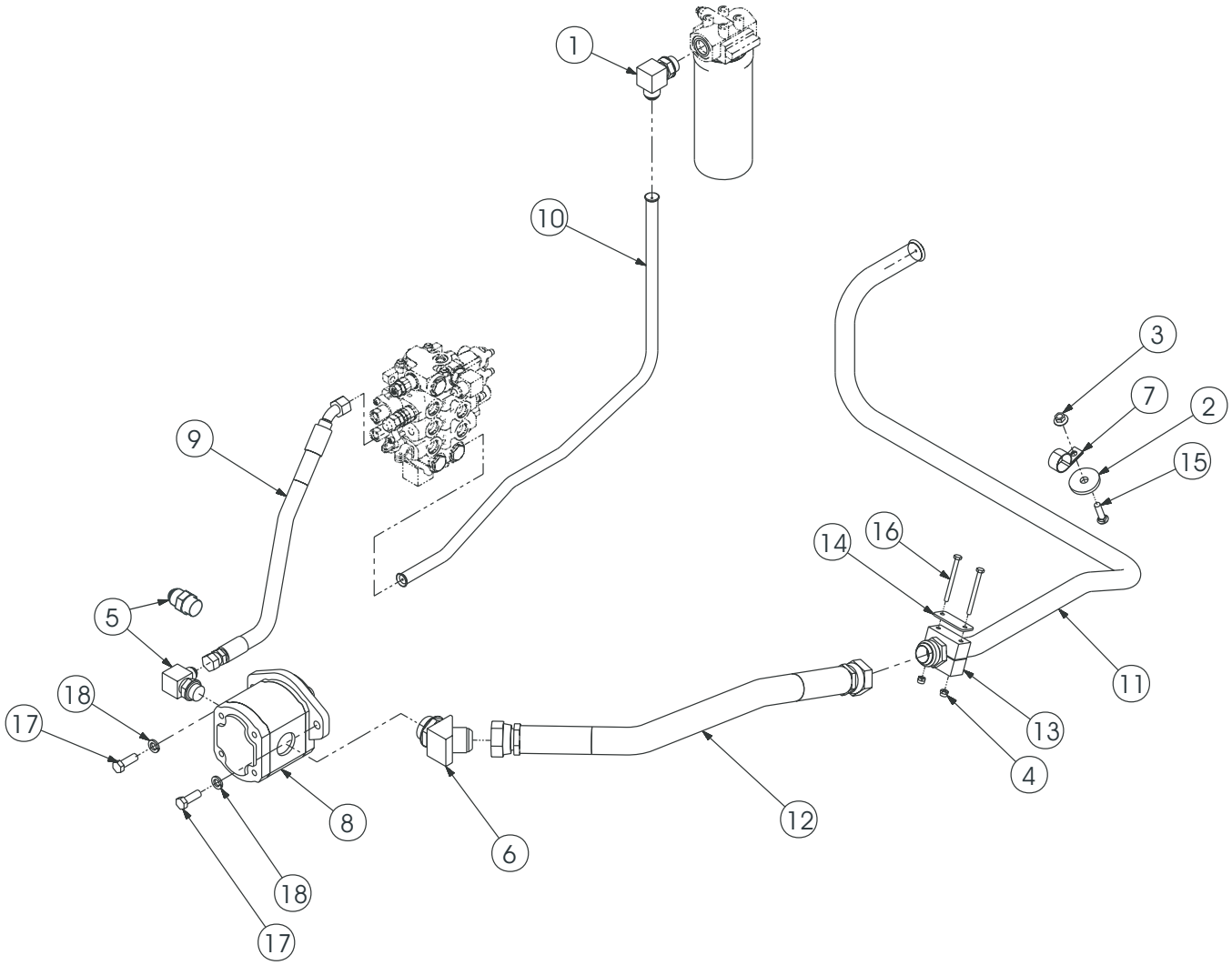


183319_183373

Ref. No.	Part No.	Description	Quantity 4640	Quantity 4840
1	055005	FITTING/90° SAE12 X JIC12	1	1
2	057557	WASHER/FLAT 17/32	1	1
3	061574	O-RING	1	1
4	067761	FITTING/90° SAE10 X JIC10	1	1
5	070856	NUT/SERRATED LOCK 3/8	1	1
6	071401	NUT/HEX 1/4	2	2
7	079029	FITTING/45° SAE16 X JIC16	1	1
8	095619	CLAMP/HOSE 1-1/4	1	1
9	134878a	PUMP/GEAR 1.77 CID	1	1
10	135032	HOSE/MEDIUM PRESSURE 5/8 X 25	1	1
11	194826	TUBE/RETURN	1	-
	140275	TUBE/RETURN	-	1
12	186007	TUBE/HYDRAULIC SUCTION	1	1
13	186207	CLAMP/TUBE 1-1/4	1	1
14	186228	HOSE/SUCTION	1	-
	186227	HOSE/SUCTION	-	1
15	186254	PLATE/TUBE CLAMP	1	1
16	650491	SCREW/CAP 3/8 X 1-1/4	2	2
17	650773	BOLT/CARRIAGE 3/8 X 1-1/2	1	1
18	651089	SCREW/CAP 1/4 X 3	2	2

a) For breakdown see “Section B” of this manual.

Standard Auxiliary - 4640 and 4840 Models
Dual Joystick Controls

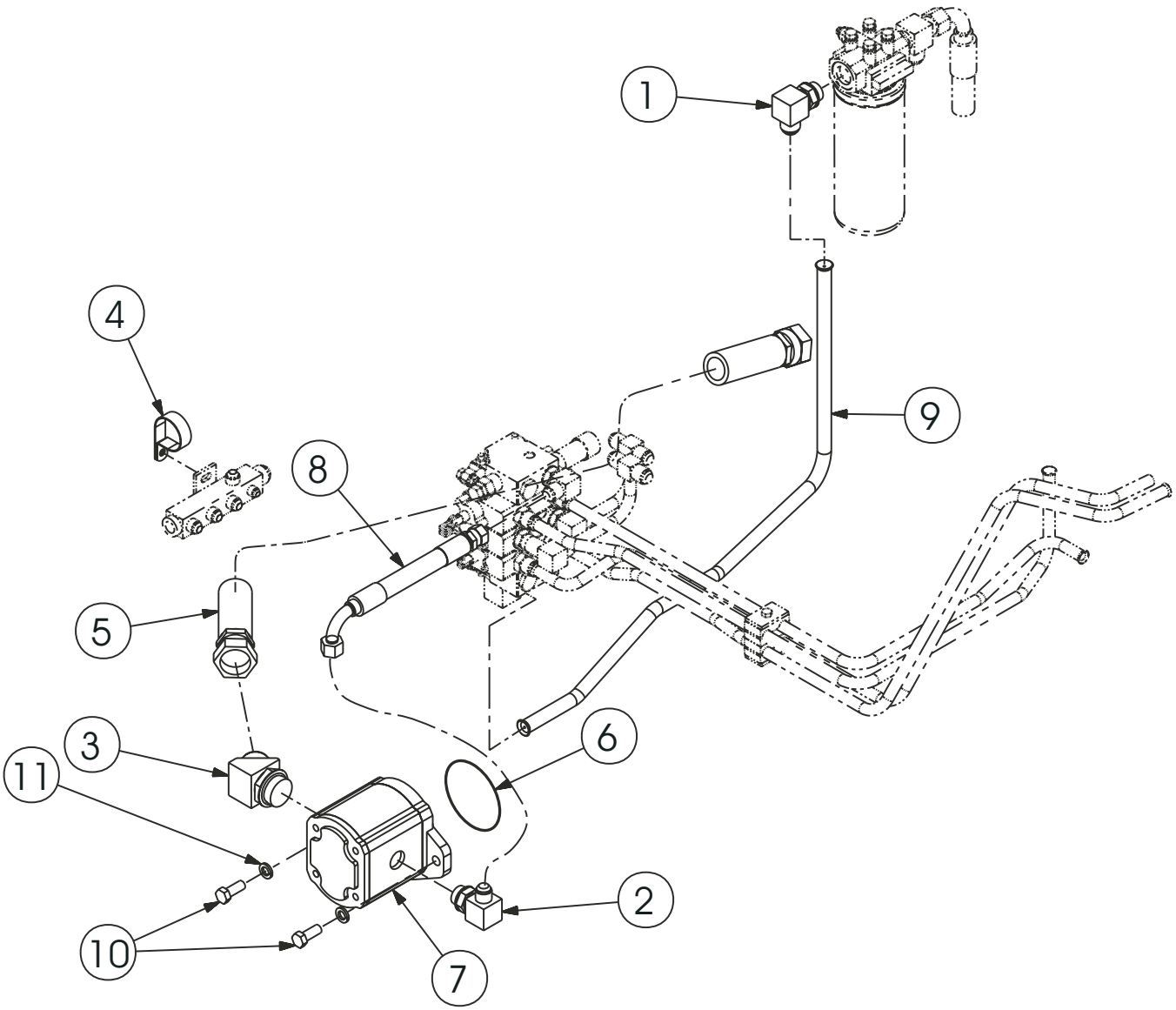


190486_190535

Ref. No.	Part No.	Description	Quantity 4640 Dual Joystick	Quantity 4840 Dual Joystick
1	055005	FITTING/90° SAE12 X JIC12	1	1
2	057557	WASHER/FLAT 17/32	1	1
3	070856	NUT/SERRATED LOCK 3/8	1	1
4	071401	NUT/HEX 1/4	2	2
5	072602	FITTING/STRAIGHT SAE12 X JIC10	1	-
	072615	FITTING/90° SAE12 X JIC10	-	1
6	079288	FITTING/45° SAE20 X JIC20	1	1
7	095619	CLAMP/HOSE 1-1/4	1	1
8	132067a	PUMP/GEAR SINGLE 1.708	1	1
	132248	O-RING .045	1	1
9	188086	HOSE/MEDIUM PRESSURE 5/8 X 22-1/2	1	-
	191807	HOSE/MEDIUM PRESSURE 5/8 X 22-1/2	-	1
10	194826	TUBE/RETURN	1	-
	140275	TUBE/RETURN	-	1
11	186007	TUBE/HYDRAULIC SUCTION	1	1
12	186057	HOSE/SUCTION	1	1
13	186207	CLAMP/TUBE 1-1/4	1	1
14	186254	PLATE/TUBE CLAMP	1	1
15	650773	BOLT/CARRIAGE 3/8 X 1-1/2	1	1
16	651089	SCREW/CAP 1/4 X 3	2	2
17	651406	SCREW/CAP M12 X 35 MM	2	2
18	654030	WASHER/LOCK 1/2	2	2

a) For breakdown see “Section B” of this manual.

Standard Auxiliary - 5640 and 6640 Models
T-Bar, Hand/Foot, Dual Hand and T-Bar/Joystick Controls

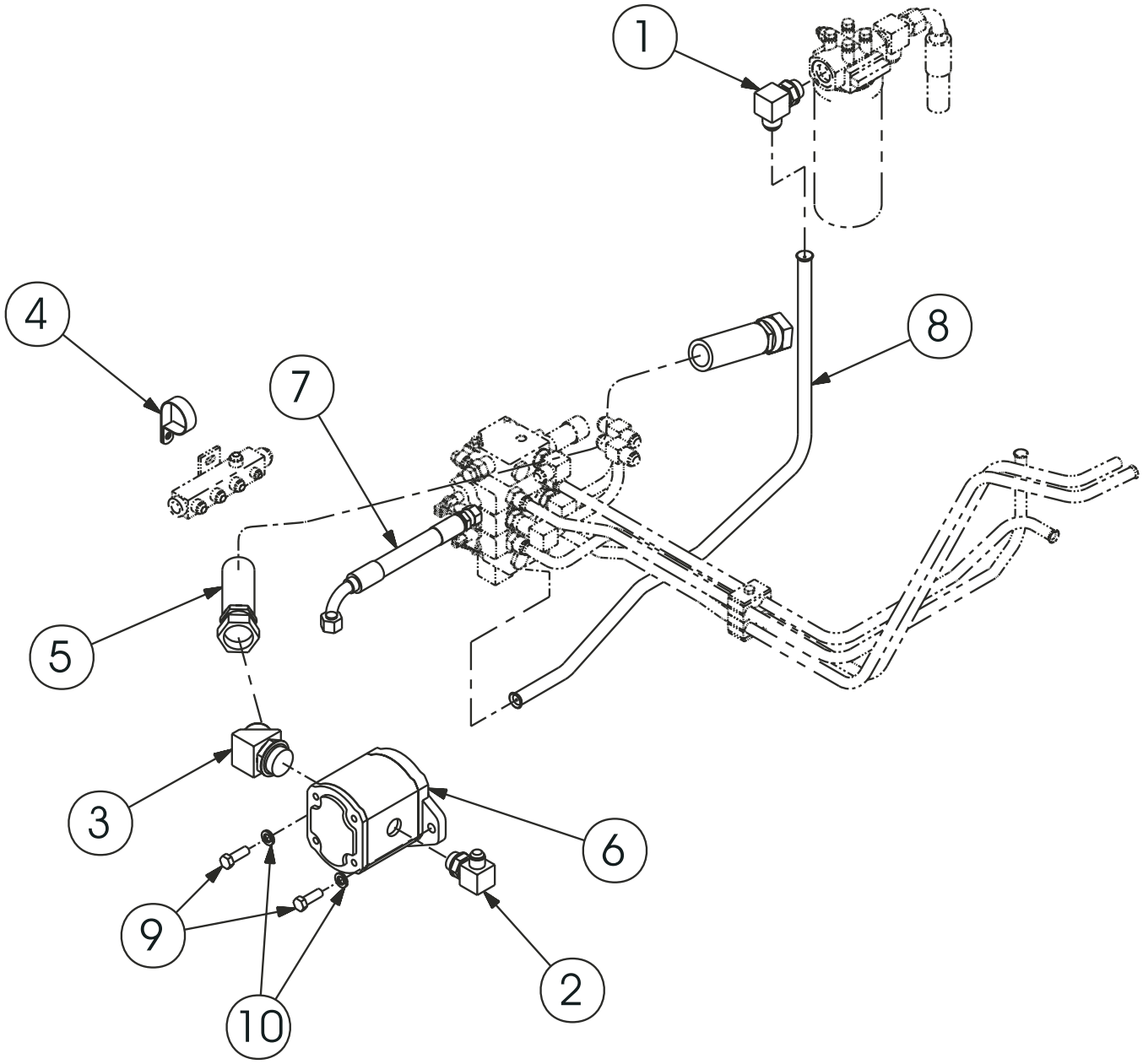


183375_183368

Ref. No.	Part No.	Description	Quantity 5640	Quantity 6640
1	055005	FITTING/90° SAE12 X JIC12	1	1
2	072615	FITTING/90° SAE12 X JIC10	1	-
3	079288	FITTING/45° SAE20 X JIC20	1	-
4	089001	CLAMP/HOSE	1	1
5	131764	HOSE/SUCTION 1-1/4 X 63	1	-
6	132248	O-RING	1	1
7	135930a	PUMP/GEAR 2.01 CID	1	1
8	140036	HOSE/MEDIUM PRESSURE 5/8 X 28	1	-
9	140275	TUBE/RETURN	1	-
10	650495	SCREW/CAP 1/2 X 1-1/4	2	2
11	654030	WASHER/LOCK 1/2	2	2

a) For breakdown see “Section B” of this manual.

Standard Auxiliary - 5640 and 6640 Models
Dual Joystick Controls

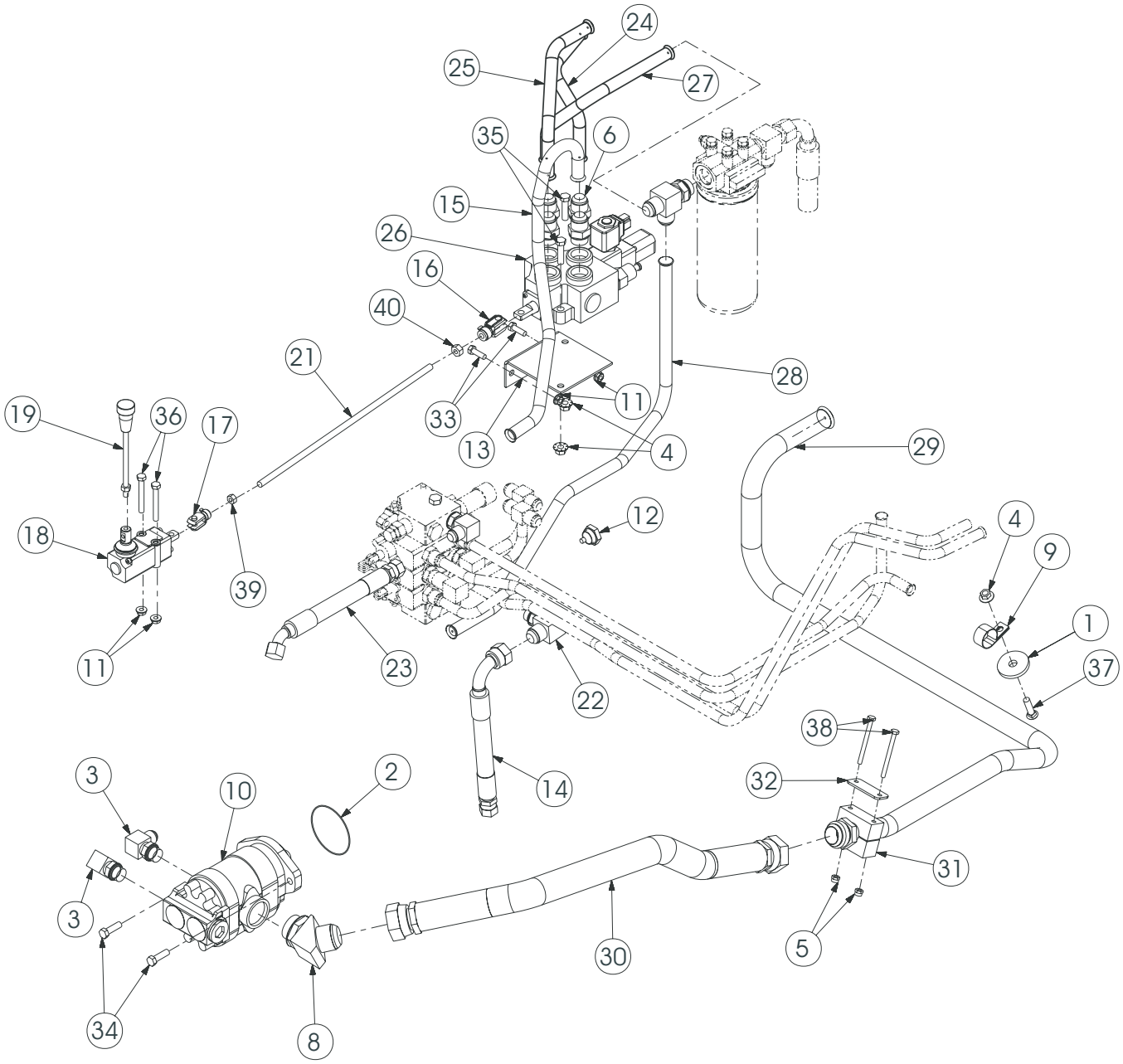


191426_191431

Ref. No.	Part No.	Description	Quantity 5640 DJS	Quantity 6640 DJS
1	055005	FITTING/90° SAE12 X JIC12	1	1
2	072615	FITTING/90° SAE12 X JIC10	1	-
3	079288	FITTING/45° SAE20 X JIC20	1	-
4	089001	CLAMP/HOSE	1	1
5	131764	HOSE/SUCTION 1-1/4 X 63	1	-
6	135930a	PUMP/GEAR 2.01 CID	1	1
	132248	O-RING	1	1
7	140036	HOSE/MEDIUM PRESSURE 5/8 X 28	1	-
8	140275	TUBE/RETURN	1	-
9	651406	SCREW/CAP M12 X 35 MM	2	2
10	654030	WASHER/LOCK 1/2	2	2

a) For breakdown see “Section B” of this manual.

High Flow Auxiliary - 4640 and 4840 Models
T-Bar, Dual Hand and Hand/Foot Controls



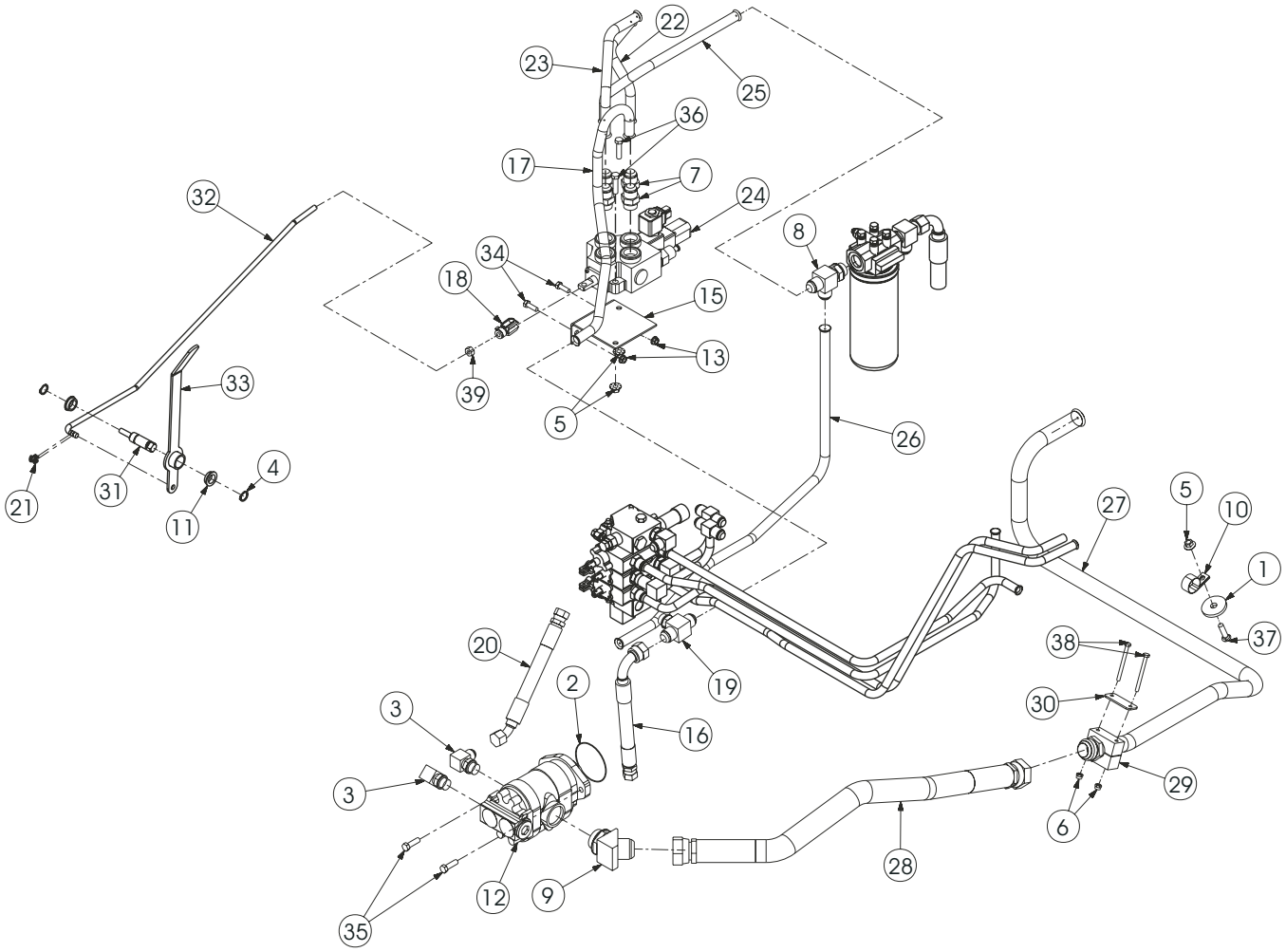
183310_183370

Ref. No.	Part No.	Description	Quantity 4640 HF	Quantity 4840 HF
1	057557	WASHER/FLAT 17/32	1	1
2	061574	O-RING	1	1
3	067761	FITTING/90° SAE10 X JIC10	2	2
4	070856	NUT/SERRATED LOCK 3/8	3	3
5	071401	NUT/HEX 1/4	2	2
6	072587	FITTING/STRAIGHT SAE12 X JIC12	4	4
7	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1	1
8	079288	FITTING/45° SAE20 X JIC20	1	1
9	095619	CLAMP/HOSE 1-1/4	1	1
10	129706a	PUMP/DOUBLE GEAR 1.77/1.02	1	1
11	131842	NUT/SPIRALOCK™ 5/16	4	4
12	132213	PLUG/POWER BEYOND	1	1
13	134643	BRACKET/HIGH FLOW VALVE	1	1
14	134724	HOSE/MEDIUM PRESSURE 5/8 X 29	1	1
15	134775	TUBE/HIGH FLOW INLET	1	1
16	134879	CLEVIS M10	1	1
17	134880	CLEVIS M8	1	1
18	134988	BOX/LEVER PIVOT	1	1
19	134991	LEVER/HAND	1	1
20	135007	SPACER	1	1
21	135009	ROD/CONTROL	1	1
22	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1	1
23	135032	HOSE/MEDIUM PRESSURE 5/8 X 25	1	1
24	139600	TUBE/HIGH FLOW	1	1
25	139601	TUBE/HIGH FLOW	1	1
26	139631a	VALVE/HIGH FLOW	1	1
27	139908	TUBE/HIGH FLOW OUTLET	1	-
	140269	TUBE/HIGH FLOW OUTLET	-	1
28	194826	TUBE/RETURN	1	-
	140275	TUBE/RETURN	-	1
29	186007	TUBE/HYDRAULIC SUCTION	1	1
30	186057	HOSE/SUCTION	1	-
	186012	HOSE/SUCTION	-	1
31	186207	CLAMP/TUBE 1-1/4	1	1
32	186254	PLATE/TUBE CLAMP	1	1
33	650487	SCREW/CAP 5/16 X 1	2	2
34	650491	SCREW/CAP 3/8 X 1-1/4	2	2
35	650533	SCREW/CAP 3/8 X 1-1/2	2	2
36	650733	SCREW/CAP 5/16 X 2-1/2	2	2
37	650773	BOLT/CARRIAGE 3/8 X 1-1/2	1	1
38	651089	SCREW/CAP 1/4 X 3	2	2
39	656048	NUT/HEX M8	1	1
40	656049	NUT/HEX M10	1	1

a) For breakdown see “Section B” of this manual.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
HIGH FLOW RELIEF	2500±50 PSI @ Full Throttle (172±4 bar)

High Flow Auxiliary - 4640 and 4840 Models
T-Bar/Joystick Controls

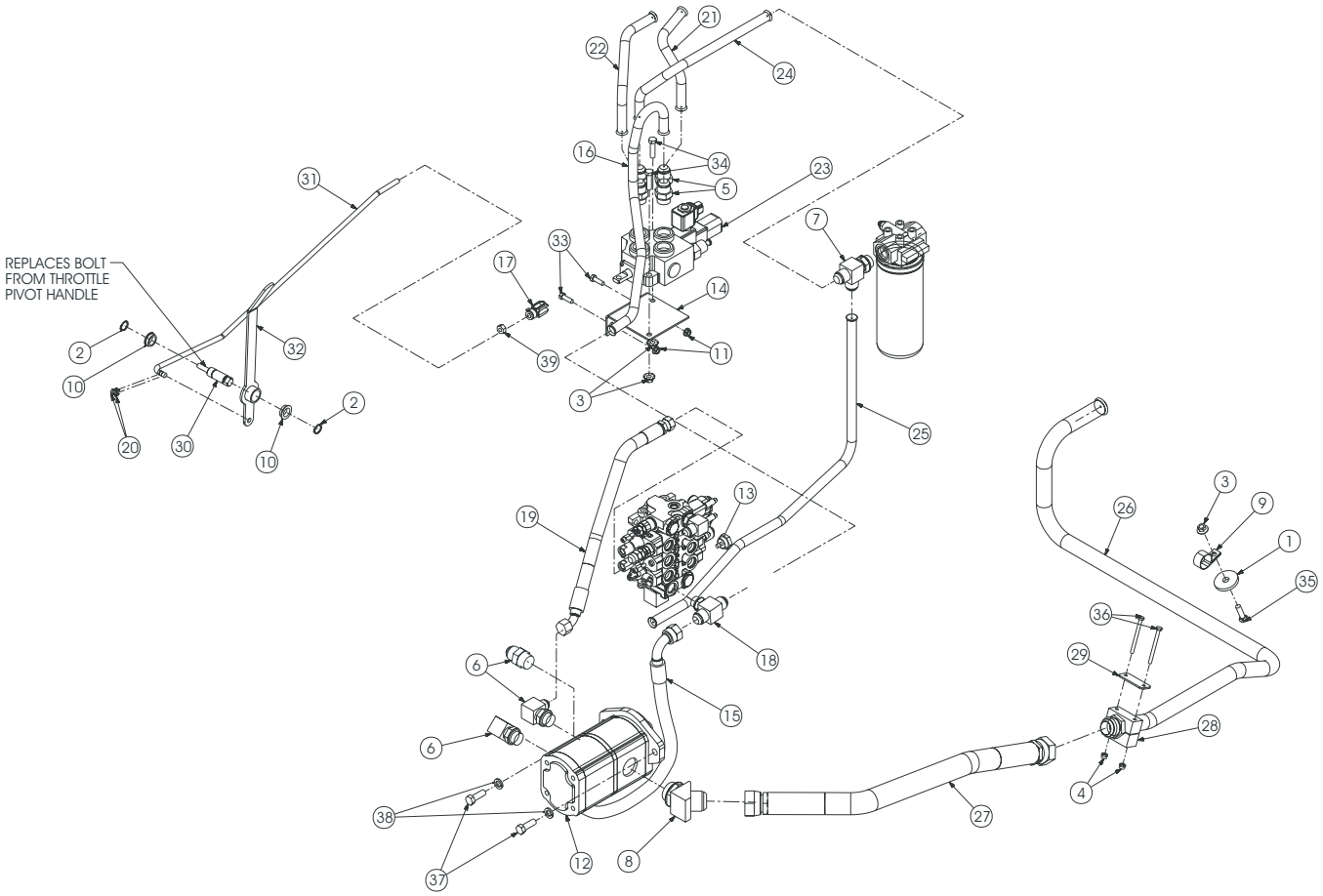


189013_189042

Ref. No.	Part No.	Description	Quantity 4640 TB/JS HF	Quantity 4840 TB/JS HF
1	057557	WASHER/FLAT 17/32	1	1
2	061574	O-RING	1	1
3	067761	FITTING/90° SAE10 X JIC10	2	2
4	067950	RING/EXTERNAL RETAINING	2	2
5	070856	NUT/HEX WHIZLOCK 3/8	3	3
6	071401	NUT/HEX 1/4	2	2
7	072587	FITTING/STRAIGHT SAE12 X JIC12	4	4
8	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1	1
9	079288	FITTING/45° SAE20 X JIC20	1	1
10	095619	CLAMP/HOSE 1-1/4	1	1
11	128316	BUSHING/PIVOT	2	2
12	129706a	PUMP/DOUBLE GEAR 1.77/1.02	1	1
13	131842	NUT/SPIRALOCK™ 5/16	2	2
14	132213	PLUG/POWER BEYOND	1	1
15	134643	BRACKET/HIGH FLOW VALVE	1	1
16	134724	HOSE/MEDIUM PRESSURE 5/8 X 29	1	1
17	134775	TUBE/HIGH FLOW INLET	1	1
18	134879	CLEVIS M10	1	1
19	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1	1
20	135032	HOSE/MEDIUM PRESSURE 5/8 X 25	1	1
21	136251	CLIP/RETAINING	2	2
22	139600	TUBE/HIGH FLOW	1	1
23	139601	TUBE/HIGH FLOW	1	1
24	139631a	VALVE/HIGH FLOW	1	1
25	139908	TUBE/HIGH FLOW OUTLET	1	-
	140269	TUBE/HIGH FLOW OUTLET	-	1
26	194826	TUBE/RETURN	1	-
	140275	TUBE/RETURN	-	1
27	186007	TUBE/HYDRAULIC SUCTION	1	1
28	186057	HOSE/SUCTION	1	-
	186012	HOSE/SUCTION	-	1
29	186207	CLAMP/TUBE 1-1/4	1	1
30	186254	PLATE/TUBE CLAMP	1	1
31	188064	SHAFT/PIVOT	1	1
32	188425	ROD/HIGH FLOW CONTROL	1	1
33	188429	HANDLE/HIGH FLOW	1	1
34	650487	SCREW/CAP 5/16 X 1	2	2
35	650491	SCREW/CAP 3/8 X 1-1/4	2	2
36	650533	SCREW/CAP 3/8 X 1-1/2	2	2
37	650773	BOLT/CARRIAGE 3/8 X 1-1/2	1	1
38	651089	SCREW/CAP 1/4 X 3	2	2
39	656049	NUT/HEX M10	1	1

a) For breakdown see “Section B” of this manual.

High Flow Auxiliary - 4640 and 4840 Models
Dual Joystick Controls

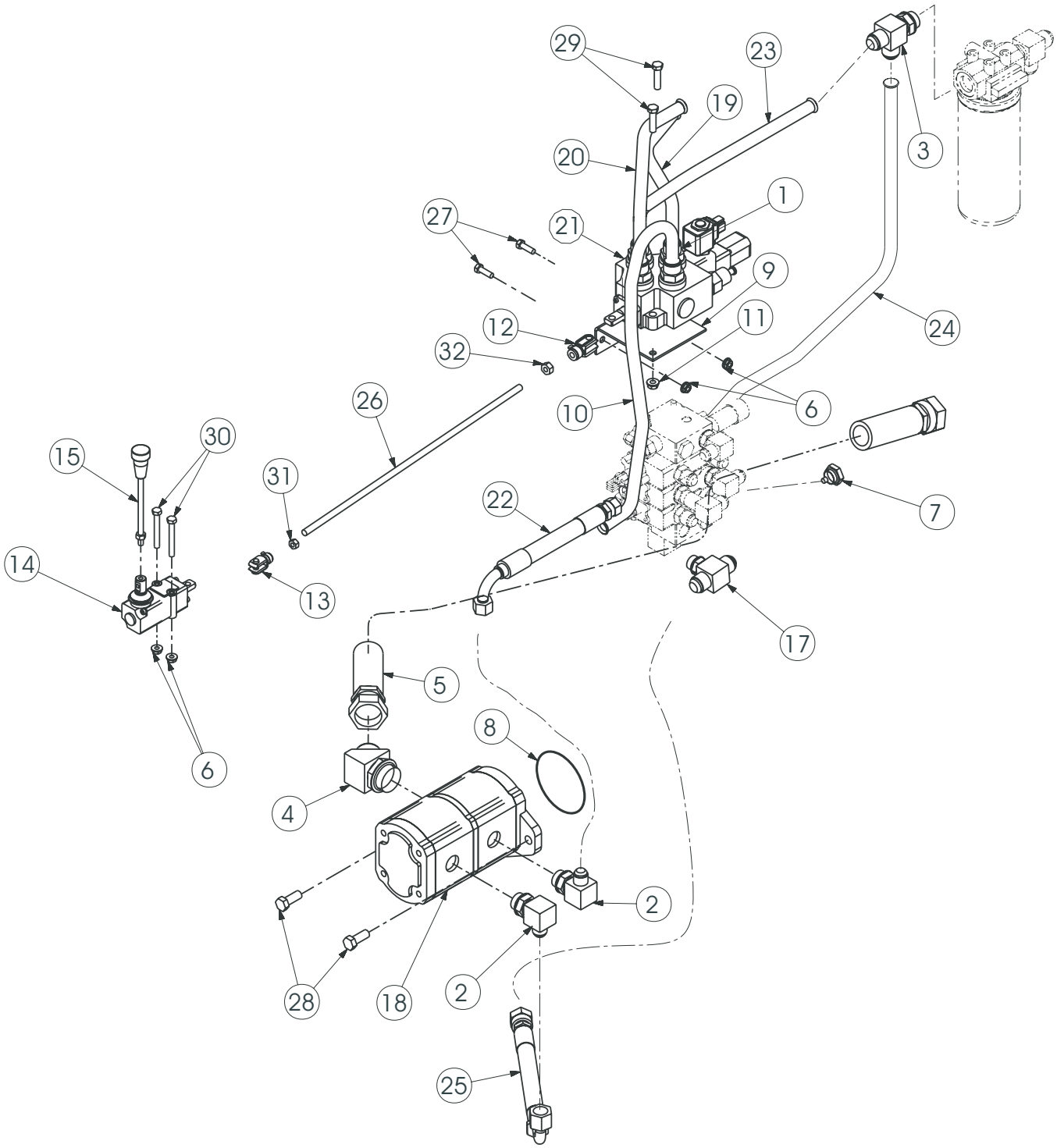


190480_190485

Ref. No.	Part No.	Description	Quantity 4640 HF Dual Joystick	Quantity 4840 HF Dual Joystick
1	057557	WASHER/FLAT 17/32	1	1
2	067950	RING/EXTERNAL RETAINING	2	2
3	070856	NUT/HEX WHIZLOCK 3/8	3	3
4	071401	NUT/HEX 1/4	2	2
5	072587	FITTING/STRAIGHT SAE12 X JIC12	4	4
6	072615	FITTING/90° SAE12 X JIC10	1	2
	072602	FITTING/STRAIGHT SAE12 X JIC10	1	-
7	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1	1
8	079288	FITTING/45° SAE20 X JIC20	1	1
9	095619	CLAMP/HOSE 1-1/4	1	1
10	128316	BUSHING/PIVOT	2	2
11	131842	NUT/SPIRALOCK™ 5/16	2	2
12	132068a	PUMP/GEAR DOUBLE 1.708/1.159	1	1
	132248	O-RING .045	1	1
13	132213	PLUG/POWER BEYOND	1	1
14	134643	BRACKET/HIGH FLOW VALVE	1	1
15	191911	HOSE/MEDIM PRESSURE 5/8 X 19-3/4	1	1
16	134775	TUBE/HIGH FLOW INLET	1	1
17	134879	CLEVIS M10	1	1
18	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1	1
19	188086	HOSE/MEDIUM PRESSURE 5/8 X 22-1/5	1	-
	191807	HOSE/MEDIUM PRESSURE 5/8 X 22-1/2	-	1
20	136251	CLIP/RETAINING	2	2
21	139600	TUBE/HIGH FLOW	1	1
22	139601	TUBE/HIGH FLOW	1	1
23	139631a	VALVE/HIGH FLOW	1	1
24	139908	TUBE/HIGH FLOW OUTLET	1	-
	140269	TUBE/HIGH FLOW OUTLET	-	1
25	194826	TUBE/RETURN	1	-
	140275	TUBE/RETURN	-	1
26	186007	TUBE/HYDRAULIC SUCTION	1	1
27	186057	HOSE/SUCTION	1	-
	186012	HOSE/SUCTION	-	1
28	186207	CLAMP/TUBE 1-1/4	1	1
29	186254	PLATE/TUBE CLAMP	1	1
30	188064	SHAFT/PIVOT	1	1
31	188425	ROD/HIGH FLOW CONTROL	1	1
32	188429	HANDLE/HIGH FLOW	1	1
33	650487	SCREW/CAP 5/16 X 1	2	2
34	650533	SCREW/CAP 3/8 X 1-1/2	2	2
35	650773	BOLT/CARRIAGE 3/8 X 1-1/2	1	1
36	651089	SCREW/CAP 1/4 X 3	2	2
37	651406	SCREW/CAP M12 X 35 MM	2	2
38	654030	WASHER/LOCK 1/2	2	2
39	656049	NUT/HEX M10	1	1

a) For breakdown see “Section B” of this manual.

High Flow Auxiliary - 5640 Model
T-Bar, Dual Hand and Hand/Foot Controls



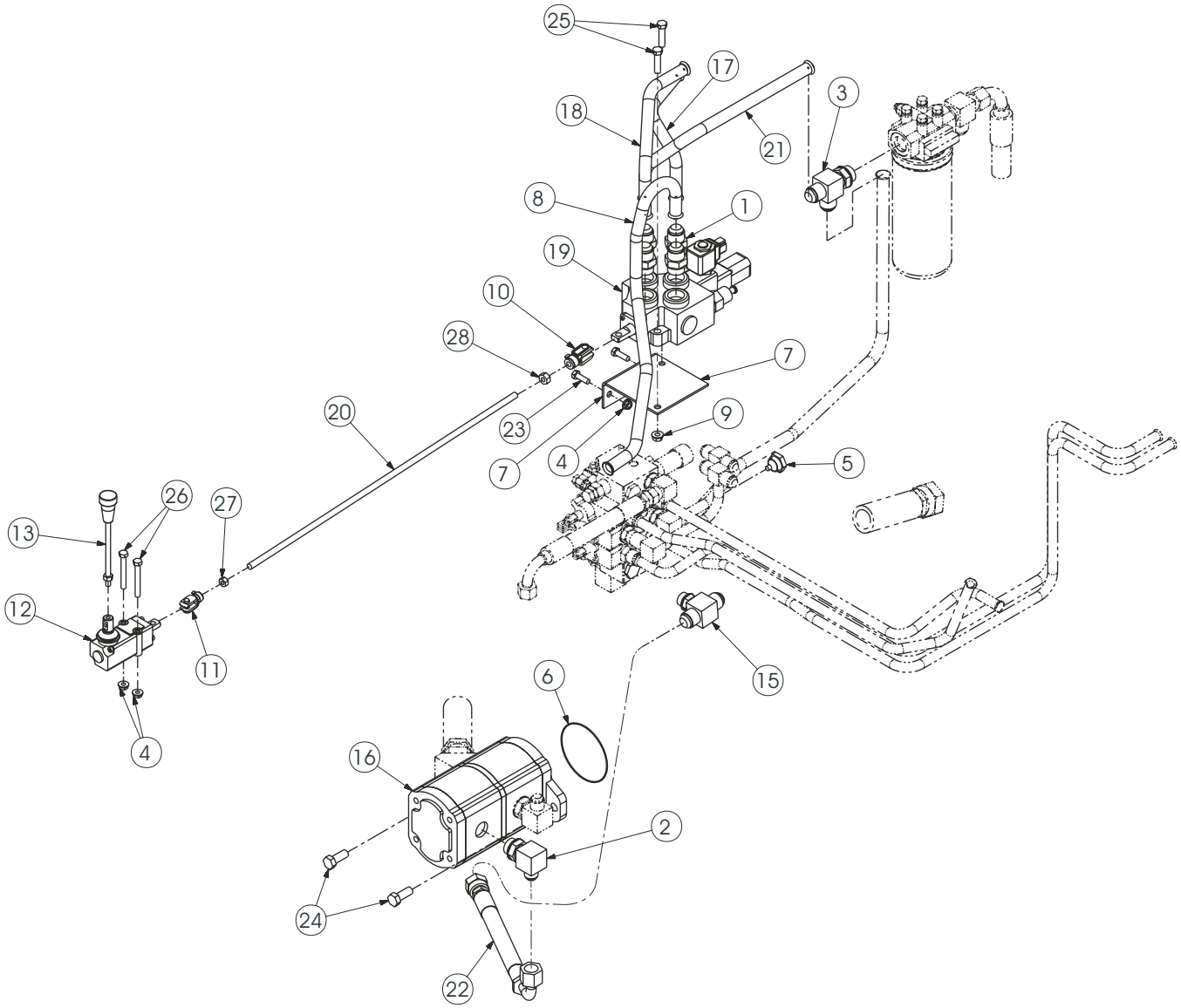
183377

Ref. No.	Part No.	Description	Quantity 5640 HF
1	072587	FITTING/STRAIGHT SAE12 X JIC12	4
2	072615	FITTING/90° SAE12 X JIC10	2
3	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1
4	079288	FITTING/45° SAE20 X JIC20	1
5	131764	HOSE/SUCTION 1-1/4 X 63	1
6	131842	NUT/SPIRALOCK™ 5/16	4
7	132213	PLUG/POWER BEYOND	1
8	132248	O-RING	1
9	134643	BRACKET/HIGH FLOW VALVE	1
10	134775	TUBE/HIGH FLOW INLET	1
11	134852	NUT/SPIRALOCK™ 3/8	2
12	134879	CLEVIS M10	1
13	134880	CLEVIS M8	1
14	134988	BOX/LEVER PIVOT	1
15	134991	LEVER/HAND	1
16	135007	SPACER	1
17	135018	FITTING/TEE SAE10 JIC12 X JIC12	1
18	135929a	PUMP/DOUBLE GEAR 2.01/1.16	1
19	139600	TUBE/HIGH FLOW	1
20	139601	TUBE/HIGH FLOW	1
21	139631a	VALVE/HIGH FLOW	1
22	140036	HOSE/MEDIUM PRESSURE 5/8 X 28	1
23	140269	TUBE/HIGH FLOW OUTLET	1
24	140275	TUBE/RETURN	1
25	184559	HOSE/MEDIUM PRESSURE 5/8 X 30	1
26	184872	ROD/VALVE CONTROL	1
27	650487	SCREW/CAP 5/16 X 1	2
28	650495	SCREW/CAP 1/2 X 1-1/4	2
29	650533	SCREW/CAP 3/8 X 1-1/2	2
30	650733	SCREW/CAP 5/16 X 2-1/2	2
31	656048	NUT/HEX M8	1
32	656049	NUT/HEX M10	1

a) For breakdown see “Section B” of this manual.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
HIGH FLOW RELIEF	2900±50 PSI @ Full Throttle (200±4 bar)

High Flow Auxiliary - 6640 Model
T-Bar, Dual Hand and Hand/Foot Controls



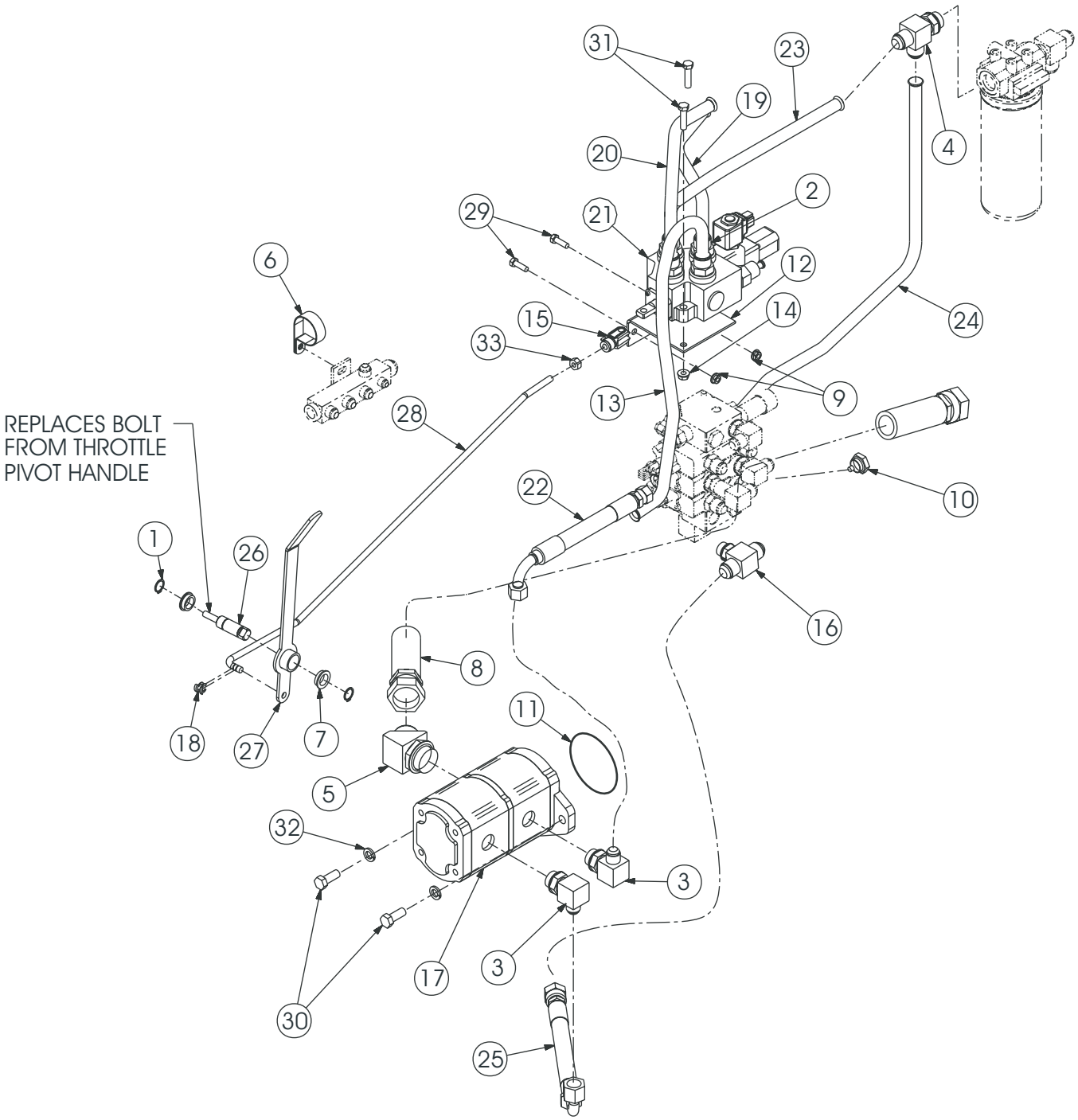
183364

Ref. No.	Part No.	Description	Quantity 6640 HF
1	072587	FITTING/STRAIGHT SAE12 XJIC12	4
2	072615	FITTING/90° SAE12 X JIC10	1
3	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1
4	131842	NUT/SPIRALOCK™ 5/16	4
5	132213	PLUG/POWER BEYOND	1
6	132248	O-RING	1
7	134643	BRACKET/HIGH FLOW VALVE	1
8	134775	TUBE/HIGH FLOW INLET	1
9	134852	NUT/SPIRALOCK™ 3/8	2
10	134879	CLEVIS M10	1
11	134880	CLEVIS M8	1
12	134988	BOX/LEVER PIVOT	1
13	134991	LEVER/HAND	1
14	135007	SPACER	1
15	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1
16	135929a	PUMP/GEAR 2.01/1.16	1
17	139600	TUBE/HIGH FLOW	1
18	139601	TUBE/HIGH FLOW	1
19	139631a	VALVE/HIGH FLOW	1
20	139719	ROD/CONTROL	1
21	140269	TUBE/HIGH FLOW OUTLET	1
22	184559	HOSE/MEDIUM PRESSURE 5/8 X 30	1
23	650487	SCREW/CAP 5/16 X 1	2
24	650495	SCREW/CAP 1/2 X 1-1/4	2
25	650533	SCREW/CAP 3/8 X 1-1/2	2
26	650733	SCREW/CAP 5/16 X 2-1/2	2
27	656048	NUT/HEX M8	1
28	656049	NUT/HEX M10	1

a) For breakdown see “Section B” of this manual.

PRESSURE SETTINGS	AMOUNT OF PRESSURE
HIGH FLOW RELIEF	2900±50 PSI @ Full Throttle (200±4 bar)

High Flow Auxiliary - 5640 and 6640 Models
T-Bar/Joystick Controls

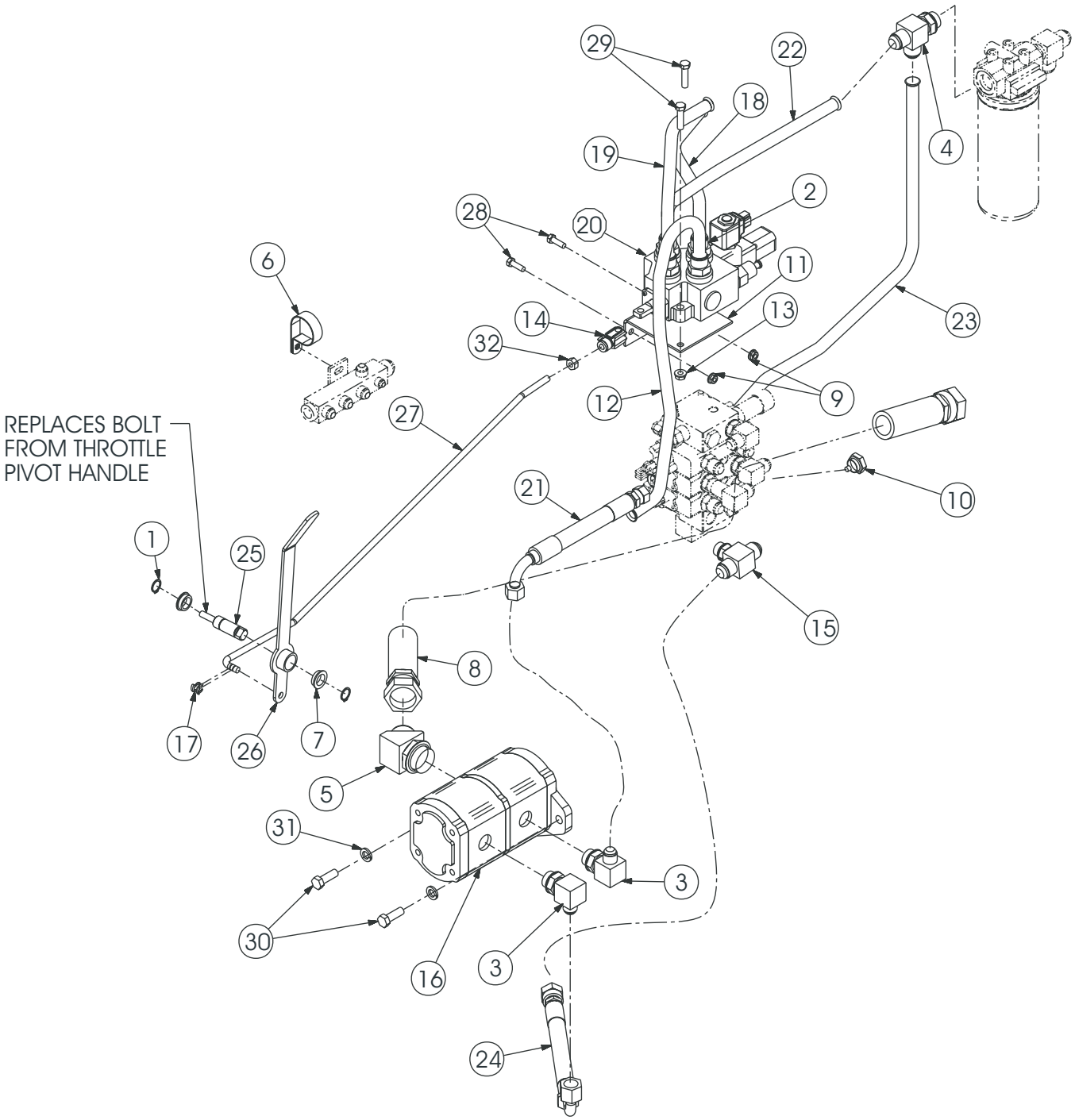


189054_189050

Ref. No.	Part No.	Description	Quantity 5640 T-Bar/JS HF	Quantity 6640 T-Bar/JS HF
1	067950	RING/EXTERNAL RETAINING	2	2
2	072587	FITTING/STRAIGHT SAE12 X JIC12	4	4
3	072615	FITTING/90° SAE12 X JIC10	2	2
4	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1	1
5	079288	FITTING/45° SAE20 X JIC20	1	-
6	089001	CLAMP/HOSE	1	1
7	128316	BUSHING/PIVOT	2	2
8	131764	HOSE/SUCTION 1-1/4 X 63	1	-
9	131842	NUT/SPIRALOCK™ 5/16	2	2
10	132213	PLUG/POWER BEYOND	1	1
11	132248	O-RING	1	1
12	134643	BRACKET/HIGH FLOW VALVE	1	1
13	134775	TUBE/HIGH FLOW INLET	1	1
14	134852	NUT/SPIRALOCK™ 3/8	2	2
15	134879	CLEVIS M10	1	1
16	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1	1
17	135929a	PUMP/GEAR 2.01/1.16	1	1
18	136251	CLIP/RETAINING	2	2
19	139600	TUBE/HIGH FLOW	1	1
20	139601	TUBE/HIGH FLOW	1	1
21	139631a	VALVE/HIGH FLOW	1	1
22	140036	HOSE/MEDIUM PRESSURE 5/8 X 28	1	-
23	140269	TUBE/HIGH FLOW OUTLET	1	1
24	140275	TUBE/RETURN	1	-
25	184559	HOSE/MEDIUM PRESSURE 5/8 X 30	1	1
26	188064	SHAFT/PIVOT	1	1
27	188429	HANDLE/HIGH FLOW	1	1
28	189027	ROD/HIGH FLOW CONTROL	1	-
	189010	ROD/HIGH FLOW CONTROL	-	1
29	650487	SCREW/CAP 5/16 X 1	2	2
30	650495	SCREW/CAP 1/2 X 1-1/4	2	2
31	650533	SCREW/CAP 3/8 X 1-1/2	2	2
32	654030	WASHER/LOCK 1/2	2	2
33	656049	NUT/HEX M10	1	1

a) For breakdown see “Section B” of this manual.

High Flow Auxiliary - 5640 and 6640 Models
Dual Joystick Controls

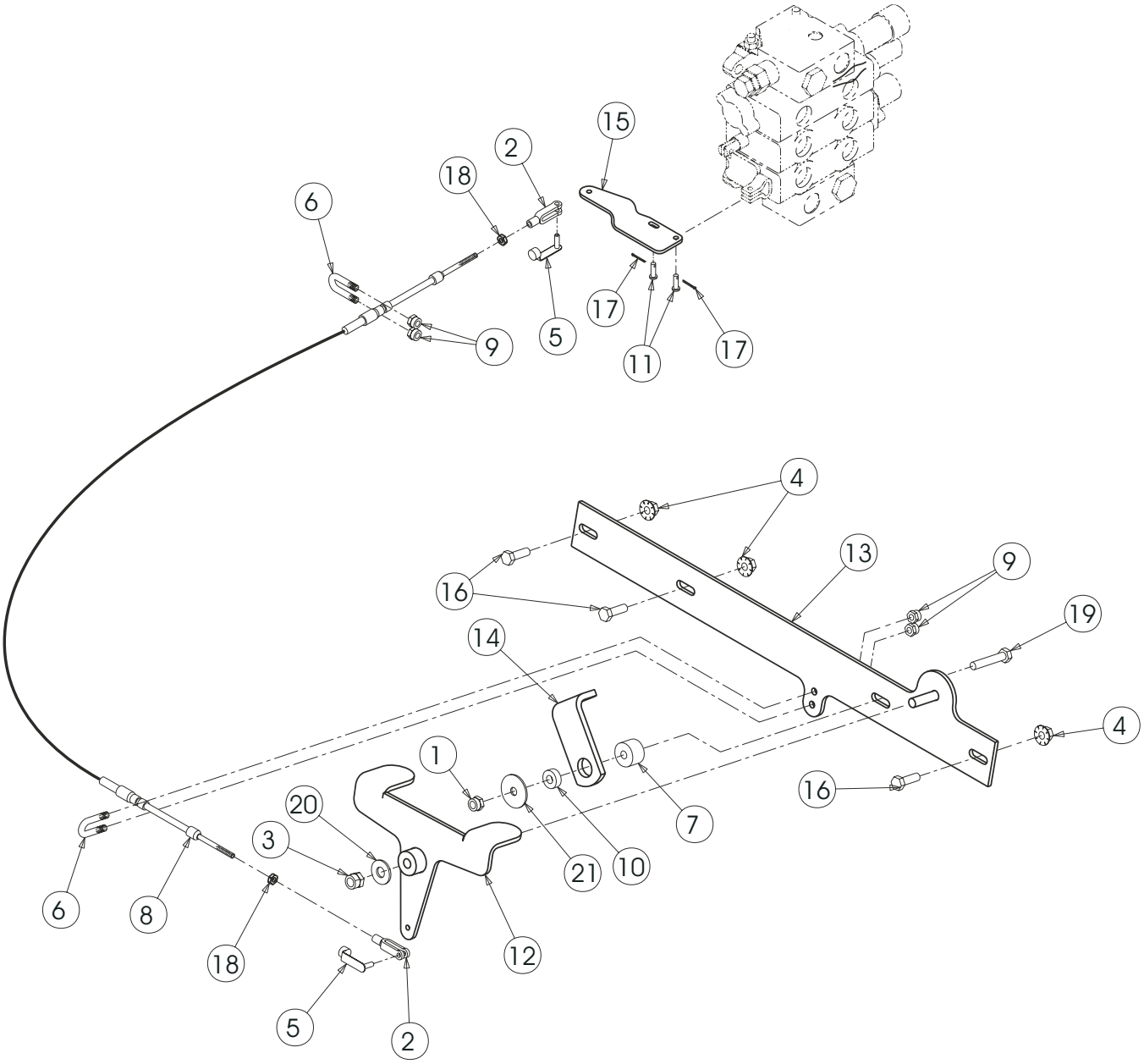


191425_191428

Ref. No.	Part No.	Description	Quantity 5640 DJS HF	Quantity 6640 DJS HF
1	067950	RING/EXTERNAL RETAINING	2	2
2	072587	FITTING/STRAIGHT SAE12 X JIC12	4	4
3	072615	FITTING/90° SAE12 X JIC10	2	1
4	079092	FITTING/TEE SAE12 X JIC12 X JIC12	1	1
5	079288	FITTING/45° SAE20 X JIC20	1	-
6	089001	CLAMP/HOSE	1	1
7	128316	BUSHING/PIVOT	2	2
8	131764	HOSE/SUCTION 1-1/4 X 63	1	-
9	131842	NUT/SPIRALOCK™ 5/16	2	2
10	132213	PLUG/POWER BEYOND	1	1
11	134643	BRACKET/HIGH FLOW VALVE	1	1
12	134775	TUBE/HIGH FLOW INLET	1	1
13	134852	NUT/SPIRALOCK™ 3/8	2	2
14	134879	CLEVIS M10	1	1
15	135018	FITTING/TEE SAE10 X JIC12 X JIC12	1	1
16	135929a	PUMP/GEAR 2.01/1.16	1	1
	132248	O-RING	1	1
17	136251	CLIP/RETAINING	2	2
18	139600	TUBE/HIGH FLOW	1	1
19	139601	TUBE/HIGH FLOW	1	1
20	139631a	VALVE/HIGH FLOW	1	1
21	140036	HOSE/MEDIUM PRESSURE 5/8 X 28	1	-
22	140269	TUBE/HIGH FLOW OUTLET	1	1
23	140275	TUBE/RETURN	1	-
24	184559	HOSE/MEDIUM PRESSURE 5/8 X 30	1	1
25	188064	SHAFT/PIVOT	1	1
26	188429	HANDLE/HIGH FLOW	1	1
27	189027	ROD/HIGH FLOW CONTROL	1	-
	189010	ROD/HIGH FLOW CONTROL	-	1
28	650487	SCREW/CAP 5/16 X 1	2	2
29	650533	SCREW/CAP 3/8 X 1-1/2	2	2
30	651406	SCREWCAP M12 X 35 MM	2	2
31	654030	WASHER/LOCK 1/2	2	2
32	656049	NUT/HEX M10	1	1

a) For breakdown see “Section B” of this manual.

T-Bar, Dual Hand and T-Bar/Joystick Controls

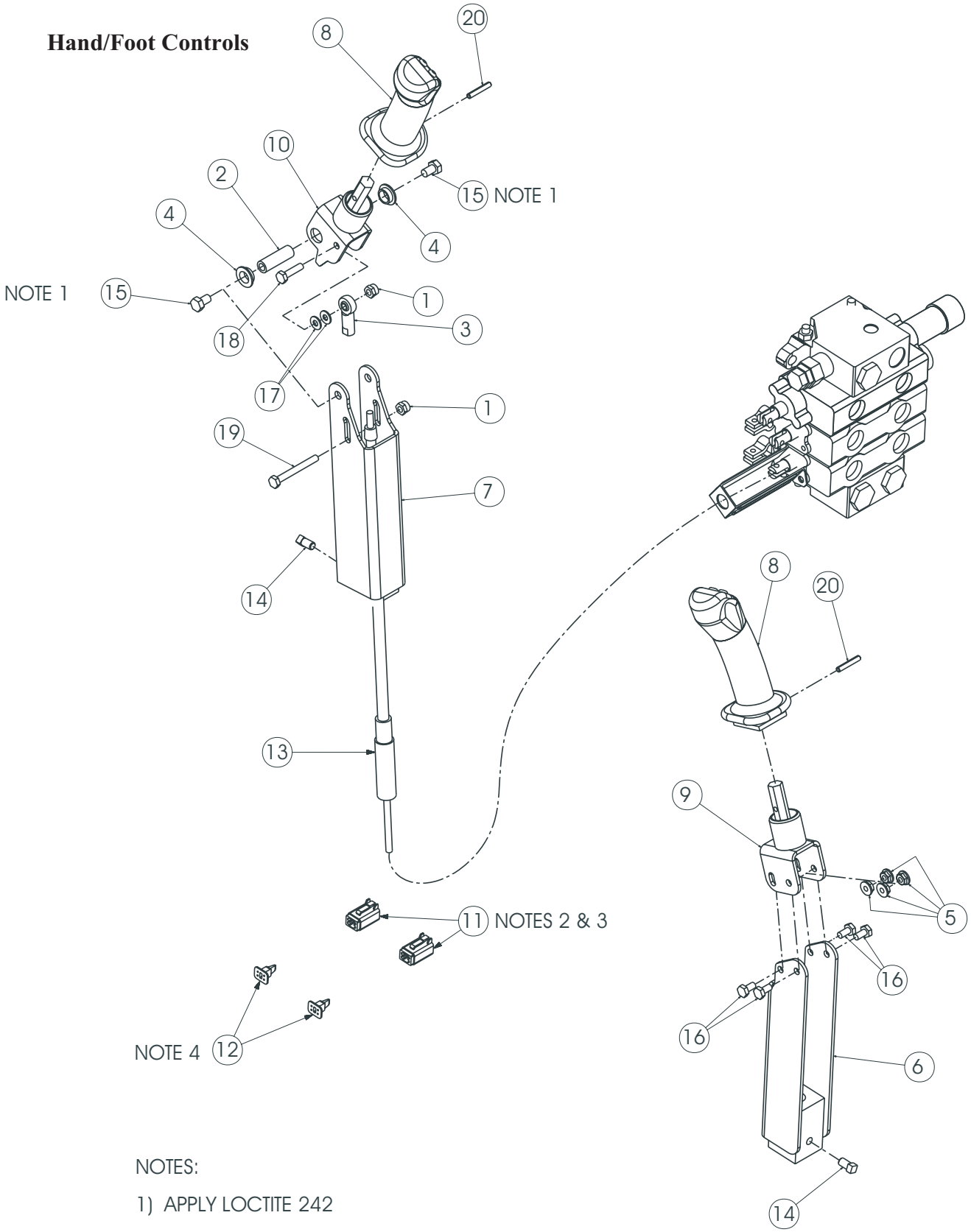


183517

Ref. No.	Part No.	Description	Quantity T-Bar/Dual Hand T-Bar/Joystick
1	064260	NUT/LOCK 5/16	1
2	065164	END/YOKE	2
3	067847	NUT/HEX 3/8	1
4	070648	NUT/SERRATED LOCK 5/16	3
5	079213	PIN/SPRING CLEVIS 3/16	2
6	079614	CLAMP/CONDUIT	2
7	242826	SPACER	1
8	115039	CABLE/CONTROL	1
9	121002	NUT/LOCK 1/4 (Do Not Over tighten)	4
10	127360	BUSHING/PIVOT	1
11	127488	PIN/CLEVIS 3/16 X 5/8	2
12	135309	ASSEMBLY/PEDAL	1
13	135310	SUPPORT ASSEMBLY/PEDAL	1
14	135312	BAR/PEDAL SUPPORT	1
15	183710	LEVER/AUXILIARY VALVE	1
16	650487	SCREW/CAP 5/16 X 1	3
17	650551	PIN/COTTER 3/32 X 3/4	2
18	650648	NUT/HEX #10	2
19	650692	SCREW/CAP 5/16 X 1-3/4 (Do Not Over tighten)	1
20	654006	WASHER/FLAT 3/8	1
21	B11296	WASHER/FLAT 11/32	1

Main Control Valve Table	
Skid-Steer Loader Control Type	**Control Valve Part Number Used**
T-Bar and Dual Hand	140594
Hand and Foot	140582
T-Bar/Joystick	188424
T-Bar/Joystick and Dual Joystick (with Electric Auxiliary)	190401

Hand/Foot Controls



NOTES:

1) APPLY LOCTITE 242

2) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS

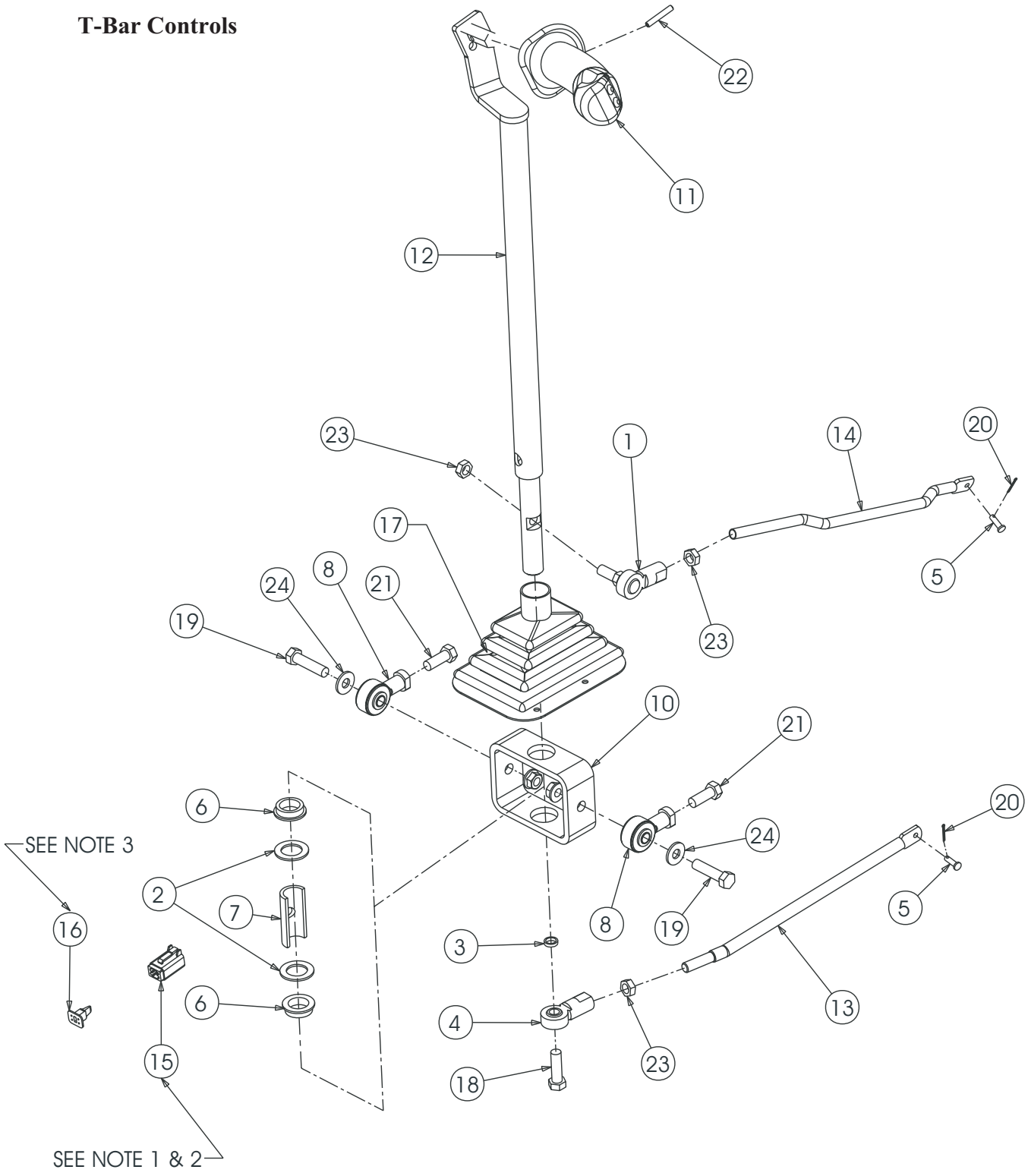
3) INSERT RED WIRE INTO PIN LOCATION 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4

183284_294

4) INSERT WEDGE AFTER ALL TERMINALS ARE INSTALLED

Ref. No.	Part No.	Description	Mechanical Hand/Foot Qty.	Electrical Hand/Foot Qty.
1	071401	NUT/LOCK 1/4	2	-
2	132346	SPACER/PIVOT	1	-
3	132372	ROD END/FEMALE 1/4	1	-
4	132373	BEARING/FLANGED 1/2	2	-
5	134588	NUT/SPIRALOCK™ 1/4	4	8
6	136003	HANDLE/LOWER	1	2
7	136011	HANDLE/LOWER	1	-
8	183147	GRIP/KAWASAKI (WITH TWO SWITCHES)	2	2
9	183286	MOUNT/GRIP	1	1
10	184180	MOUNT/GRIP	1	-
	184322	MOUNT/GRIP	-	1
11	184210	PLUG 4-PIN	2	2
12	184211	WEDGE 4-PIN	2	2
13	186036	CABLE 54"	1	-
	186031	CABLE/MOUNT KIT	1	-
14	650225	SCREW/SET SQUARE HEAD 5/16 X 1/2	2	2
15	650484	SCREW/CAP 5/16 X 1/2	2	-
16	650542	SCREW/CAP 1/4 X 1/2	4	8
17	650580	WASHER/FLAT 3/16	2	-
18	650835	SCREW/CAP 1/4 X 1	1	-
19	650839	SCREW/CAP 1/4 X 2-1/4	1	-
20	651467	PIN/ROLL M5 X 30 MM	2	2

T-Bar Controls



NOTES:

1) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS.
2) INSERT RED WIRE INTO PIN 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4.
3) INSERT WEDGE AFTER TERMINALS ARE INSTALLED.

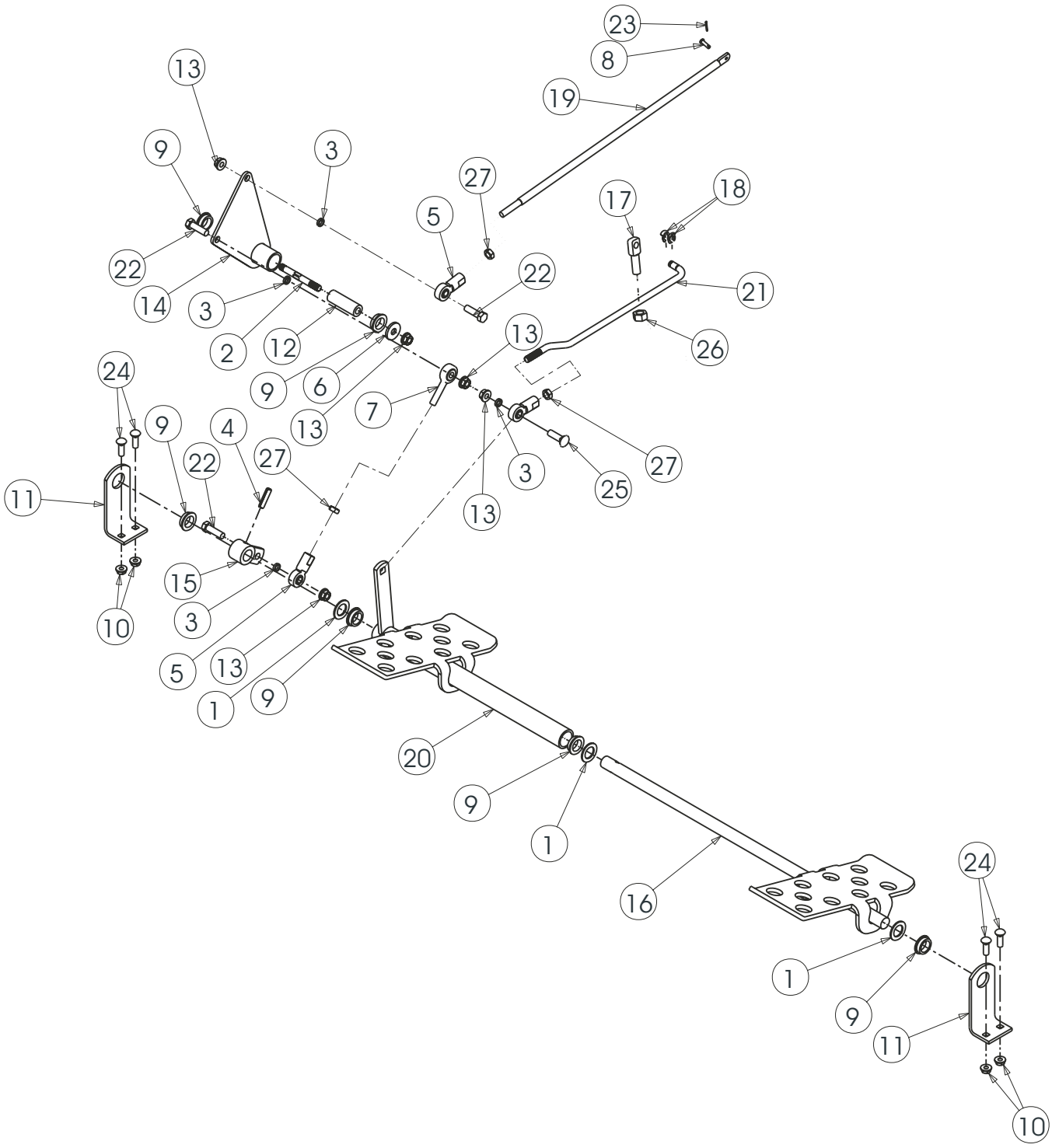
183493_190501_190504

Ref. No.	Part No.	Description	T-Bar Quantity 4640/4840	5640	6640
1	054202	ROD END/FEMALE STUD 3/8	1	1	1
2	056937	WASHER/FLAT 25/32	2	2	2
3	074868	SPACER	1	1	1
4	079039	ROD END	1	1	1
5	127488	PIN/CLEVIS 3/16 X 5/8	2	2	2
6	128316	BUSHING/PIVOT	2	2	2
7	134327	T-BAR STOP	1	1	1
8	134792	ROD END/ELASTOMERIC 3/8	2	2	2
9	134852	NUT/SPIRALOCK™ 3/8	2	2	2
10	135393	PIVOT	1	1	1
11	183147	GRIP/KAWASAKI (WITH TWO SWITCHES)	1	1	1
12	183153	LEVER/CONTROL RIGHT	1	1	1
13	183496	ROD/LIFT CONTROL	1	-	-
	183499	ROD/LIFT CONTROL	-	1	-
	183504	ROD/LIFT CONTROL	-	-	1
14	183533	ROD/TILT CONTROL	1	-	-
	183497	ROD/TILT CONTROL	-	1	-
	183502	ROD/TILT CONTROL	-	-	1
15	184210	PLUG/4-PIN	1	1	1
16	184211	WEDGE/4-PIN	1	1	1
17	189108b	BOOT/T-BAR	1	1	1
	074093a	BOOT/CONTROL LEVER	1	1	1
18	650491	SCREW/CAP 3/8 X 1/4	1	1	1
19	650533	SCREW/CAP 3/8 X 1-1/2	2	2	2
20	650551	PIN/COTTER 3/32 X 3/4	2	2	2
21	650634	SCREW/CAP 3/8 X 1	2	2	2
22	651467	PIN/ROLL M5 X 30 MM	1	1	1
23	653039	NUT/JAM 3/8	3	3	3
24	654004	WASHER/FLAT 5/16	2	2	2

a) 4640: SN 307900 and Before. 4840: SN 408500 and Before. 5640: SN 506600 and Before. 6640: SN 605500 and Before

b) 4640: SN 307901 and Up. 4840: SN 408501 and Up. 5640: SN 506601 and Up. 6640: SN 605501 and Up

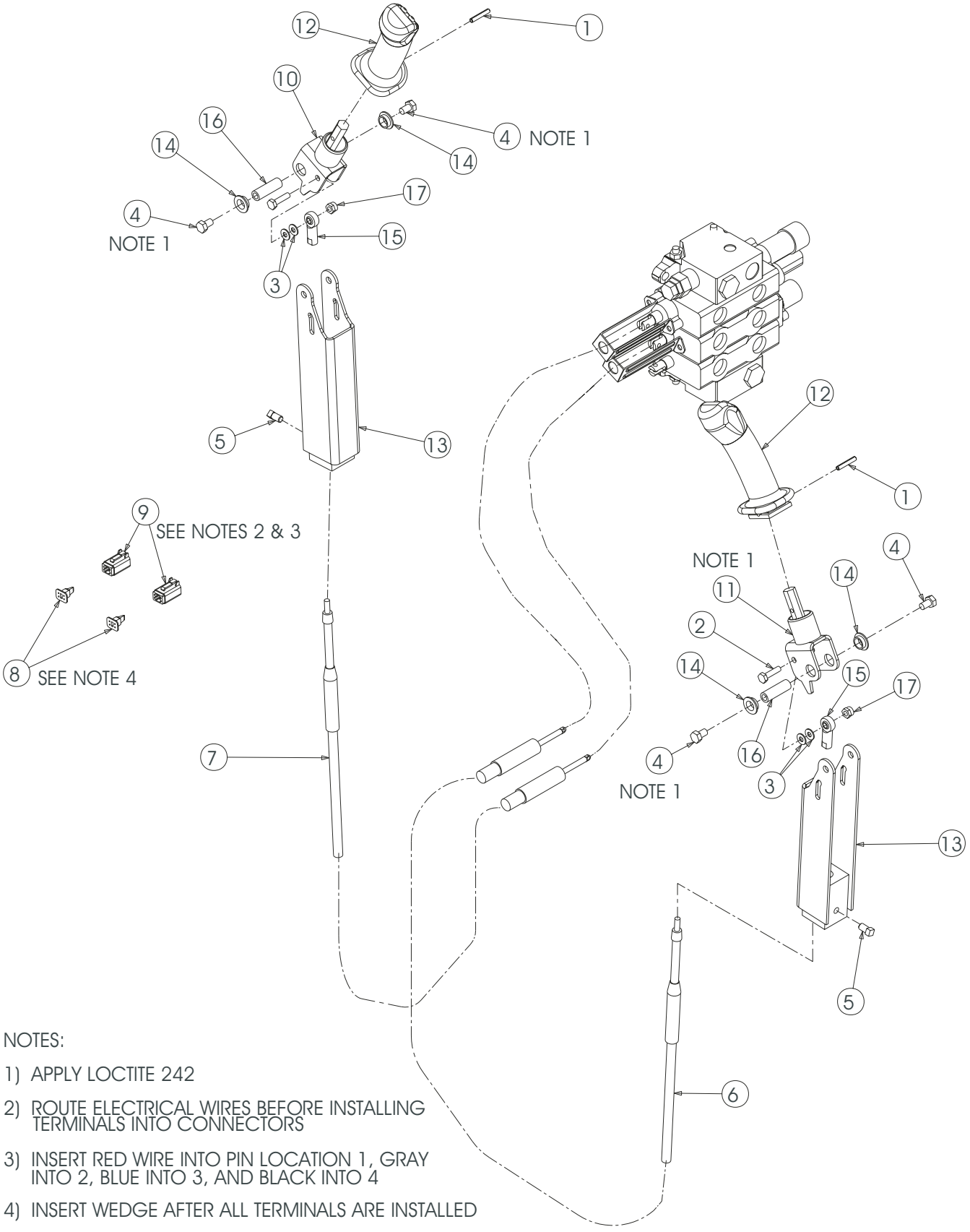
Hand and Foot Controls



183526_183529_183539

Ref. No.	Part No.	Description	Hand and Foot Quantity 4640/4840	5640	6640
1	056937	WASHER/FLAT 25/32	3	3	3
2	072866	STUD	1	1	1
3	074868	SPACER	4	-	4
4	075288	PIN/ROLL 5/16 X 1-1/4	1	1	1
5	079039	ROD END	3	3	3
6	088912	WASHER/HEAVY	1	1	1
7	123383	ROD END 3/8	1	1	1
8	127488	PIN/CLEVIS	1	1	1
9	128316	BUSHING/PIVOT	6	6	6
10	131842	NUT/SPIRALOCK 5/16	4	4	4
11	132393	BRACKET/BEARING	2	2	2
12	134241	SPACER/PIVOT	1	1	1
13	134852	NUT/SPIRALOCK 3/8	5	5	5
14	135137	PIVOT ASSEMBLY	1	1	1
15	135140	LEVER ASSEMBLY	1	1	1
16	136138	PEDAL ASSEMBLY/LEFT	1	1	1
17	136190	TAB/THREADED M12 X 1-1/4	1	1	1
18	136251	CLIP/RETAINING	2	2	2
19	183528	CONTROL ROD/LIFT	1	-	1
	135145	CONTROL ROD/LIFT	-	1	-
20	187305	PEDAL ASSEMBLY/RIGHT	1	-	1
	136134	PEDAL ASSEMBLY/RIGHT	-	1	-
21	187306	ROD/CONTROL	1	-	-
	136475	ROD/CONTROL	-	1	-
	187307	ROD/CONTROL	-	-	1
22	650491	SCREW/CAP 3/8 X 1-1/4	3	4	3
23	650551	PIN/COTTER	1	1	1
24	650573	BOLT/CARRIAGE 5/16 X 1	4	4	4
25	650786	BOLT/CARRIAGE 3/8 X 1-1/4	1	-	1
26	651523	NUT/JAM M12	1	1	1
27	653039	NUT/JAM 3/8	3	3	3

Dual Hand Controls



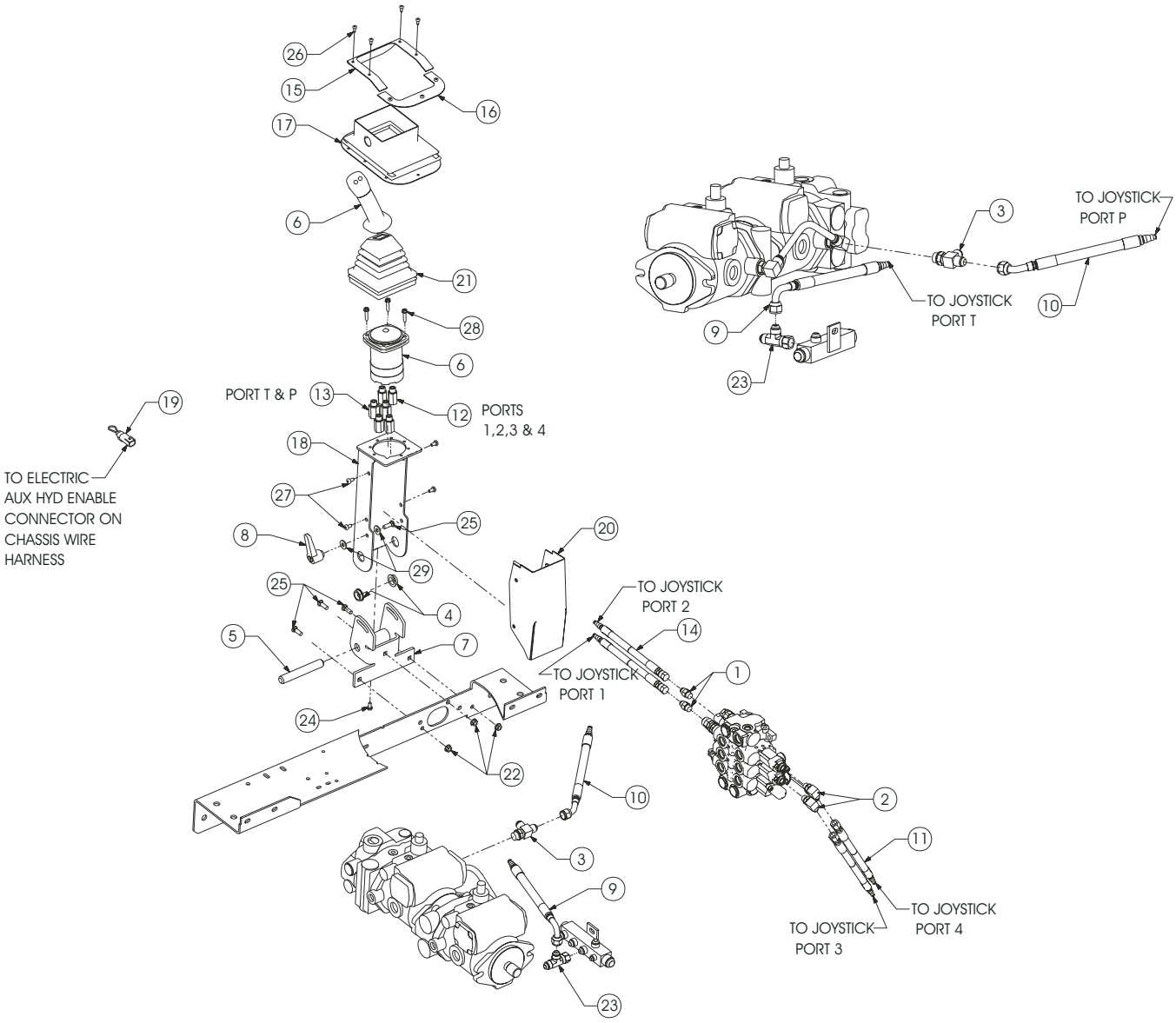
NOTES:

1) APPLY LOCTITE 242
2) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS
3) INSERT RED WIRE INTO PIN LOCATION 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4
4) INSERT WEDGE AFTER ALL TERMINALS ARE INSTALLED

183268

Ref. No.	Part No.	Description	Quantity Dual Hand
1	651467	PIN/ROLL M5 X 30MM	2
2	650835	SCREW/CAP 1/4 X 1	2
3	650580	WASHER/FLAT 3/16	4
4	650484	SCREW/CAP 5/16 X 1/2	4
5	650225	SCREW/SET SQUARE HEAD 5/16 X 1/2	2
6	186037	CABLE 72" (WITH BRACKET)	1
	186031	CABLE/MOUNT KIT	1
7	186036	CABLE 54" (WITH BRACKET)	1
	186031	CABLE/MOUNT KIT	1
8	184211	WEDGE 4-PIN	2
9	184210	PLUG 4-PIN	2
10	184180	MOUNT/GRIP	1
11	183273	MOUNT/GRIP	1
12	183147	GRIP/KAWASAKI (WITH TWO SWITCHES)	2
13	136011	HANDLE/LOWER	2
14	132373	BEARING/FLANGED 1/2	4
15	132372	ROD END/FEMALE 1/4	2
16	132346	PIVOT/SPACER	2
17	071401	NUT/LOCK 1/4	2

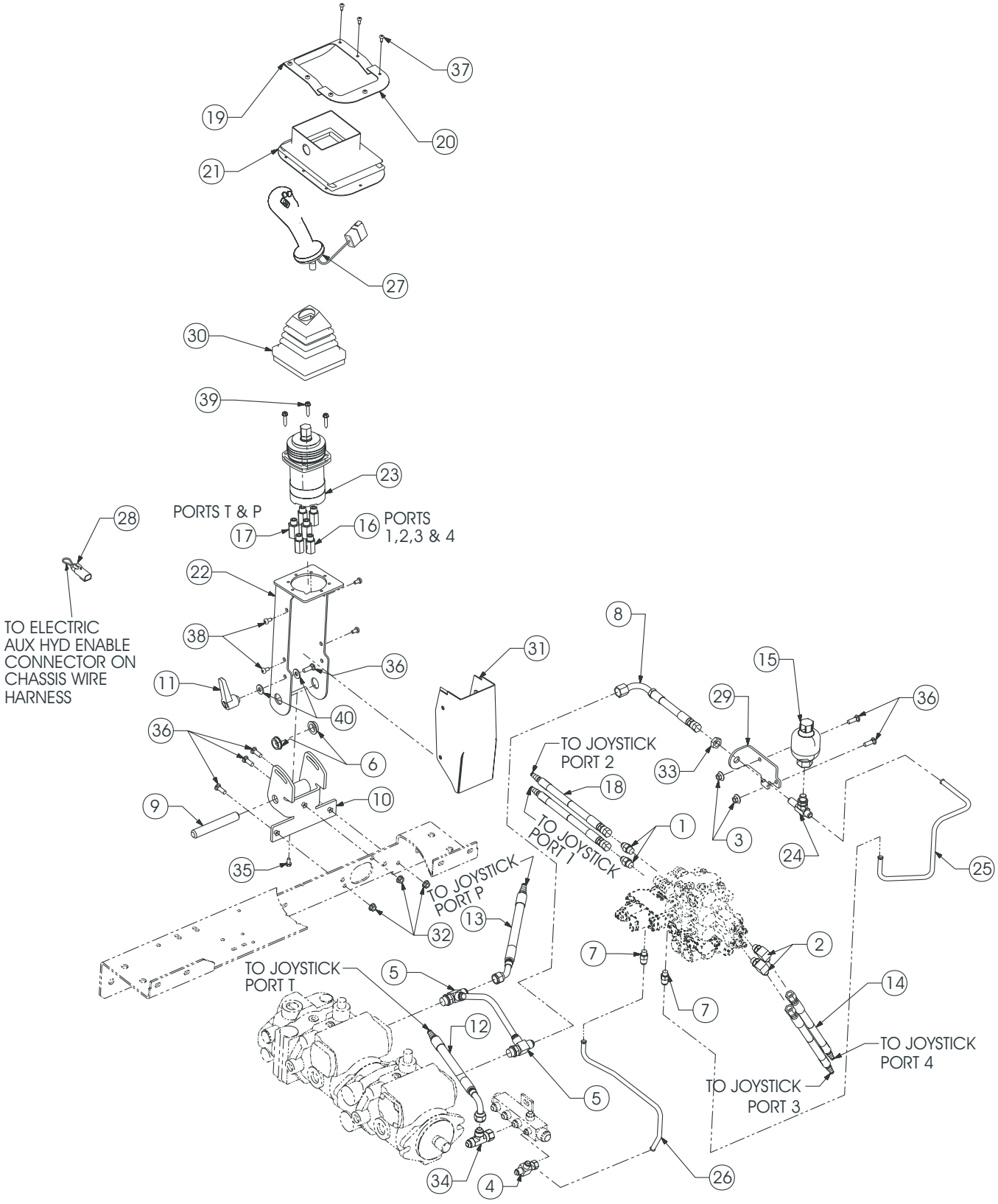
T-Bar/Joystick Controls



190505_190506

Ref. No.	Part No.	Description	T-Bar/Joystick Quantity 46/48/5640	6640
1	054994	FITTING/STRAIGHT 06MJ-06MORB	2	2
2	068938	ELBOW/90°	2	2
3	114742	FITTING/TEE SAE08 X JIC08 X JIC08	1	1
4	128316	BUSHING/PIVOT	2	2
5	187888	PIN/TILT CONSOLE	1	1
6	188421	JOYSTICK	1	1
7	188422	WELDMENT/TOWER MOUNT	1	1
8	188430	HANDLE/RATCHET	1	1
9	189366	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 35 (INCL. ITEM #13)	1	-
	189361	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 39 (INCL. ITEM #13)	-	1
10	189365	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 27 (INCL. ITEM #13)	1	-
	189362	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 32 (INCL. ITEM #13)	-	1
11	189358	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 42 (INCL. ITEM #12)	2	-
	189364	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 49 (INCL. ITEM #12)	-	2
12	REF	ADAPTER/QD/HD/6MB-4QD	4	4
13	REF	ADAPTER/QD/HD/6MB-6QD	2	2
14	189363	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 26 (INCL. ITEM #12)	2	-
	189359	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 33-1/2 (INCL. ITEM #12)	-	2
15	189377	FLANGE/BOOT/JOYSTICK	1	1
16	189380	FLANGE/BOOT/JOYSTICK/RIGHT	1	1
17	189559	BOOT/JOYSTICK	1	1
18	190133	WELDMENT/JOYSTICK STAND	1	1
19	190684	ADAPTOR/FLOAT ENABLE	1	1
20	190854	COVER/CONSOLE	1	1
21	191119	BOOT/JOYSTICK	1	1
22	210-19470	NUT/HEX WHIZLOCK 5/16	3	3
23	230-19184	SWIVEL/FEMALE RUN TEE 3/4 JIC	1	1
24	650542	SCREW/CAP 1/4 X 1/2	1	1
25	650573	BOLT/CARRIAGE 5/16 X 1	4	4
26	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7	7
27	651647	SCREW/MACHINE PAN HEAD TORX DRIVE 1/4 X 1/2	4	4
28	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	4	4
29	654004	WASHER/FLAT 5/16	2	2

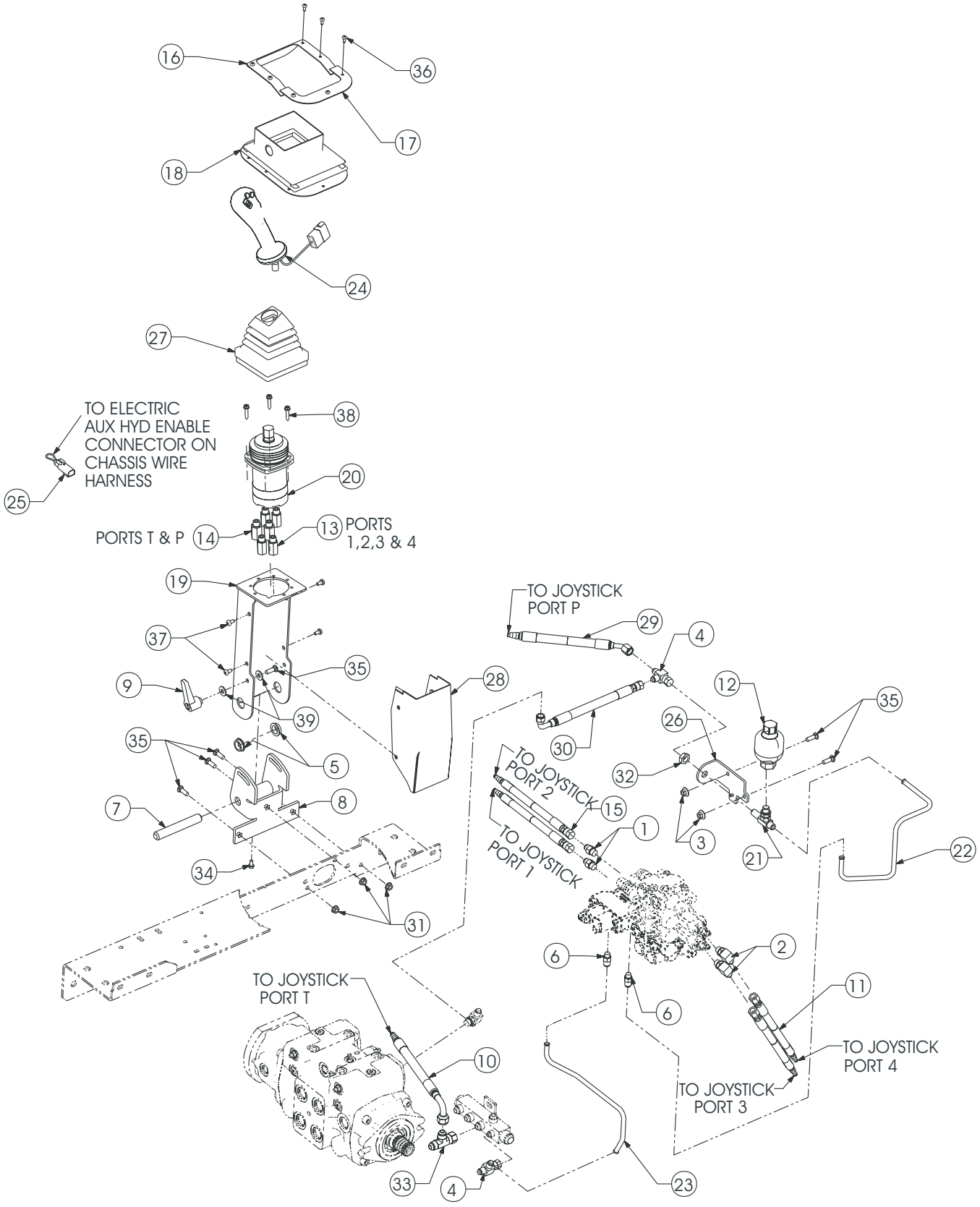
T-Bar/Joystick Controls with Electric Auxiliary (Option)



190492_190509_190513

Ref. No.	Part No.	Description	Quantity T-Bar/Joystick w/ Elec. Aux. (Option) 46/48/5640	6640
1	054994	FITTING/STRAIGHT SAE06 X JIC06	2	2
2	068938	FITTING/90° SAE06 X JIC06	2	2
3	070648	NUT/LOCK FLANGED 5/16	2	2
4	072806	TEE/FEMALE RUN TEE SWIVEL 37°	1	1
5	114742	FITTING/TEE SAE08 X JIC08 X JIC08	2	2
6	128316	BUSHING/PIVOT	2	2
7	129124	FITTING/STRAIGHT SAE04 X JIC06	2	2
8	136148	HOSE/MEDIUM PRESSURE 3/8 X 25	1	1
9	187888	PIN/TILT CONSOLE	1	1
10	188422	WELDMENT/TOWER MOUNT	1	1
11	188430	HANDLE/RATCHET	1	1
12	189366	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 35 (INCL. ITEM #17)	1	-
	189361	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 39 (INCL. ITEM #17)	-	1
13	189365	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 27 (INCL. ITEM #17)	1	-
	189362	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 32 (INCL. ITEM #17)	-	1
14	189358	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 42 (INCL. ITEM #16)	2	-
	189364	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 49 (INCL. ITEM #16)	-	2
15	188985	ACCUMULATOR	1	1
16	REF	ADAPTER/QD/HD/6MB-4QD	4	4
17	REF	ADAPTER/QD/HD/6MB-6QD	2	2
18	189363	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 26 (INCL. ITEM #16)	2	-
	189359	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 33-1/2 (INCL. ITEM #16)	-	2
19	189377	FLANGE/BOOT/JOYSTICK	1	1
20	189380	FLANGE/BOOT/JOYSTICK/RIGHT	1	1
21	189559	BOOT/JOYSTICK	1	1
22	190133	STAND/JOYSTICK DRIVE	1	1
23	190270	JOYSTICK	1	1
24	190403	FITTING/CHECK VALVE	1	1
25	190440	LINE/ACCUMULATOR ELECTRIC AUXILIARY	1	-
	190614	LINE/ACCUMULATOR ELECTRIC AUXILIARY	-	1
26	190615	LINE/RETURN ELECTRIC AUXILIARY	1	1
27	190632	GRIP/ELECTRIC AUXILIARY	1	1
28	190684	ADAPTOR/FLOAT ENABLE	1	1
29	190748	BRACKET/ACCUMULATOR	1	1
30	190754	BOOT/JOYSTICK	1	1
31	190854	COVER/CONSOLE	1	1
32	210-19470	NUT/HEX WHIZLOCK 5/16	3	3
33	210-21043	NUT/HEX JAM 9/16	1	1
34	230-19184	SWIVEL/FEMALE RUN TEE 3/4 JIC	1	1
35	650542	SCREW/CAP 1/4 X 1/2	1	1
36	650573	BOLT/CARRIAGE 5/16 X 1	6	6
37	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7	7
38	651647	SCREW/MACHINE PAN HEAD TORX DRIVE 1/4 X 1/2	4	4
39	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	3	3
40	654004	WASHER/FLAT 5/16	2	2

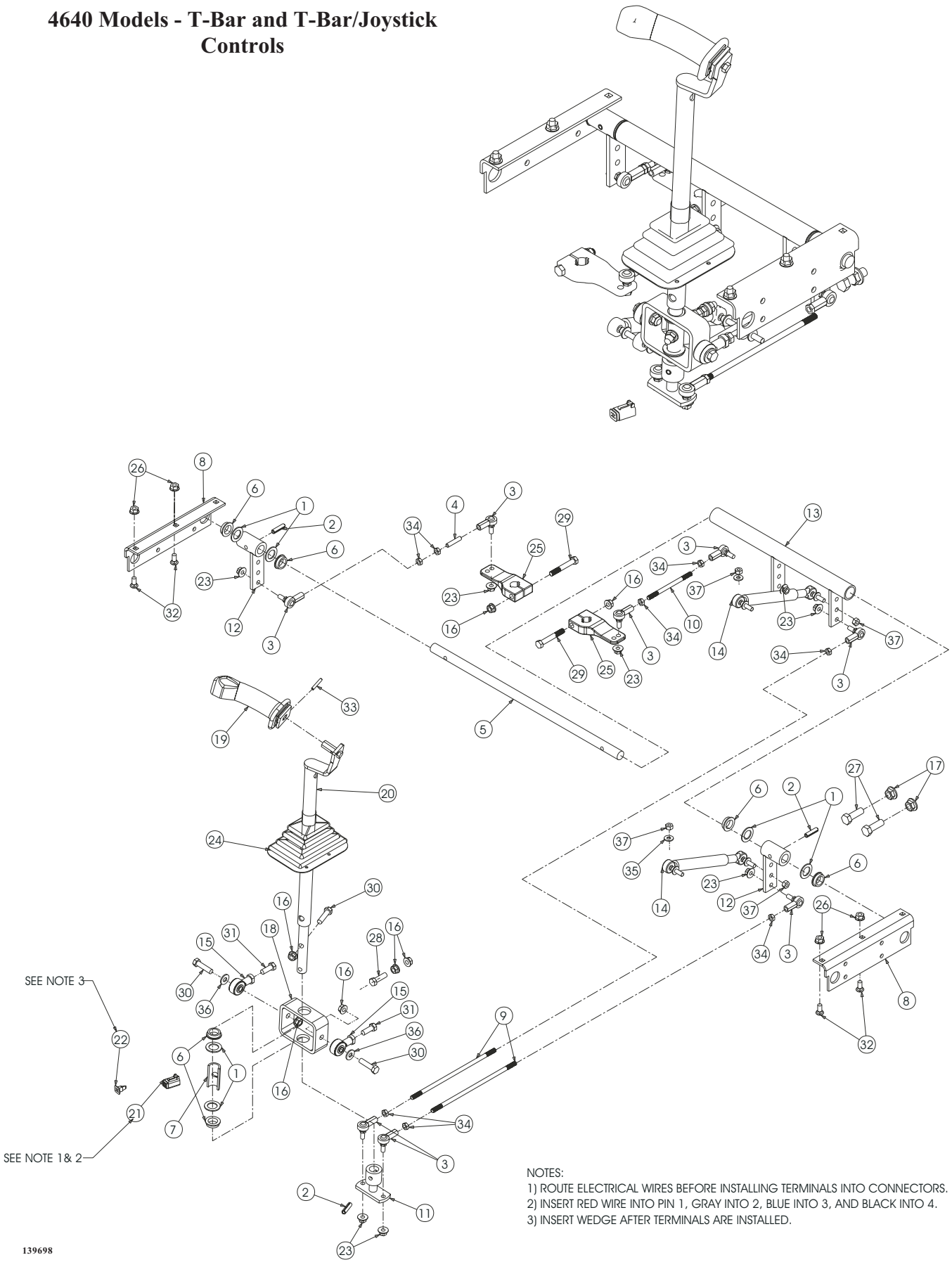
Dual Joystick Controls with Electric Auxiliary



191046_191151_191212

Ref. No.	Part No.	Description	Quantity Dual Joysticks w/ Elec. Aux. 46/4840	56/6640
1	054994	FITTING/STRAIGHT 06MJ-06MORB	2	2
2	068938	ELBOW/90°	2	2
3	070648	NUT/LOCK FLANGED 5/16	2	2
4	072806	TEE/FEMALE RUN TEE SWIVEL 37°	2	2
5	128316	BUSHING/PIVOT	2	2
6	129124	FITTING/STRAIGHT SAE04 X JIC06	2	2
7	187888	PIN/TILT CONSOLE	1	1
8	188422	WELDMENT/TOWER MOUNT	1	1
9	188430	HANDLE/RATCHET	1	1
10	189366	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 35 (INCL. ITEM #14)	1	-
	189361	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 39 (INCL. ITEM #14)	-	1
11	189358	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 42 (INCL. ITEM #13)	2	2
12	188985	ACCUMULATOR	1	1
13	REF	ADAPTER/QD/HD/6MB-4QD	4	4
14	REF	ADAPTER/QD/HD/6MB-6QD	2	2
15	189363	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 26 (INCL. ITEM #13)	2	2
16	189377	FLANGE/BOOT/JOYSTICK	1	1
17	189380	FLANGE/BOOT/JOYSTICK/RIGHT	1	1
18	189559	BOOT/JOYSTICK	1	1
19	190133	STAND/JOYSTICK DRIVE	1	1
20	190270	JOYSTICK	1	1
21	190403	FITTING/CHECK VALVE	1	1
22	190448	LINE/ACCUMULATOR ELECTRIC AUXILIARY (46/4840 ONLY)	1	-
	190440	LINE/ACCUMULATOR ELECTRIC AUXILIARY (5640 ONLY)	-	1
	190614	LINE/ACCUMULATOR ELECTRIC AUXILIARY (6640 ONLY)	-	1
23	190449	LINE/RETURN ELECTRIC AUXILIARY	1	-
	190615	LINE/RETURN ELECTRIC AUXILIARY	-	1
24	190632	GRIP/ELECTRIC AUXILIARY	1	1
25	190684	ADAPTOR/FLOAT ENABLE	1	1
	128738	BULB/LAMP	1	1
26	190748	BRACKET/ACCUMULATOR	1	1
27	190754	BOOT/JOYSTICK	1	1
28	190854	COVER/CONSOLE	1	1
29	191363	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 28 (INCL. ITEM #14)	1	1
30	191055	HOSE/MEDIUM PRESSURE 3/8 X 20	1	1
31	210-19470	NUT/HEX WHIZLOCK 5/16	3	3
32	210-21043	NUT/HEX JAM 9/16	1	1
33	230-19184	SWIVEL/FEMALE RUN TEE 3/4 JIC	1	1
34	650542	SCREW/CAP 1/4 X 1/2	1	1
35	650573	BOLT/CARRIAGE 5/16 X 1	6	6
36	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7	7
37	651647	SCREW/MACHINE PAN HEAD TORX DRIVE 1/4 X 1/2	4	4
38	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	3	3
39	654004	WASHER/FLAT 5/16	2	2

4640 Models - T-Bar and T-Bar/Joystick Controls



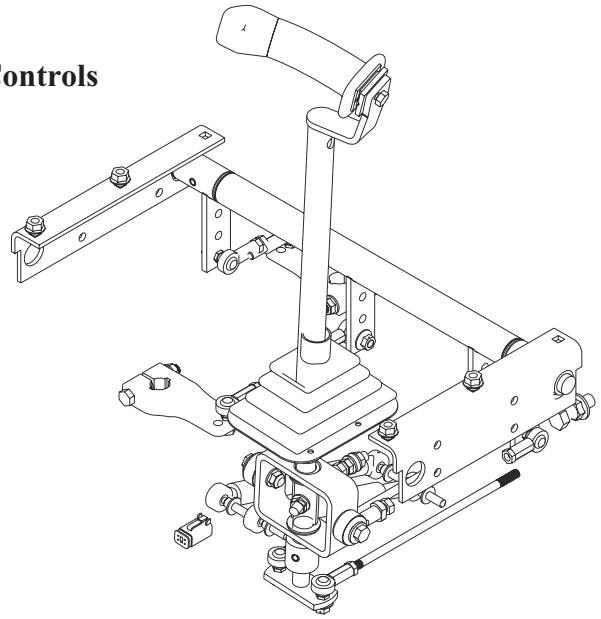
NOTES:
1) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS.
2) INSERT RED WIRE INTO PIN 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4.
3) INSERT WEDGE AFTER TERMINALS ARE INSTALLED.

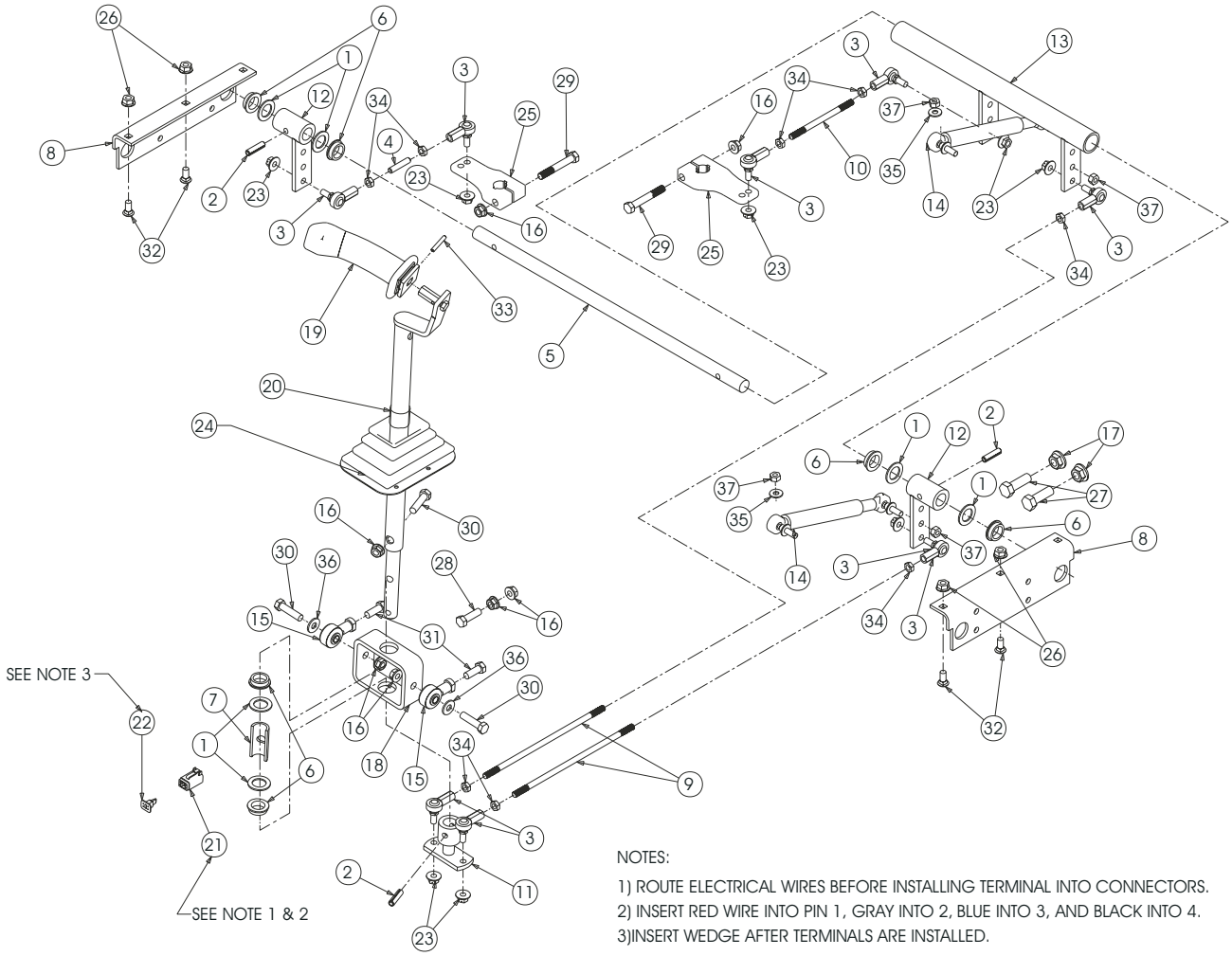
Ref. No.	Part No.	Description	Quantity 4640 T-Bar/JS
1	056937	WASHER/FLAT 25/32	6
2	075288	PIN/ROLL 5/16 X 1-1/4	3
3	079216	ROD END/FEMALE WITH STUD	8
4	123722	STUD/CONTROL ROD	1
5	127669	SHAFT/PIVOT	1
6	128316	BUSHING/PIVOT	6
7	134327	STOP/T-BAR	1
8	134400	BRACKET/PIVOT	2
9	134436	ROD 9-1/4	2
10	135782	ROD 4-1/8	1
11	134532	ASSEMBLY/PIVOT	1
12	134658	ARM/ASSEMBLY	2
13	134659	TUBE ASSEMBLY/PIVOT	1
14	134757	DAMPER	2
15	134792	ROD END/ELASTOMERIC	2
16	134852	NUT/SPIRALOCK™ 3/8	7
17	134853	NUT/SPIRALOCK™ 1/2	2
18	135393	PIVOT/T-BAR	1
19	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
20	183149	LEVER/LEFT CONTROL	1
21	184210	PLUG/4-PIN	1
22	184211	WEDGE/4-PIN	1
23	187002	NUT/TOP LOCK FLANGED HEX 5/16	8
24	189108b	BOOT/T-BAR	1
	074093a	BOOT/CONTROL LEVER	1
25	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
26	210-31017	NUT/CENTER LOCK FLANGED HEX 5/16	4
27	650453	SCREW/CAP 1/2 X 1-1/2	2
28	650491	SCREW/CAP 3/8 X 1-1/4	1
29	650492	SCREW/CAP 3/8 X 2-1/2	2
30	650533	SCREW/CAP 3/8 X 1-1/2	3
31	650634	SCREW/CAP 3/8 X 1	2
32	650687	BOLT/CARRIAGE 5/16 X 3/4	4
33	651467	PIN/ROLL M5 X 30MM	1
34	653036	NUT/JAM 5/16 (Loctite® 242)	8
35	654002	WASHER/FLAT 1/4	2
36	654004	WASHER/FLAT 5/16	2
37	656048	NUT/HEX M8	4

a) SN 307900 and Before

b) SN 307901 and Up

4840 Models - T-Bar and T-Bar/Joystick Controls





NOTES:

1) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINAL INTO CONNECTORS.
2) INSERT RED WIRE INTO PIN 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4.
3)INSERT WEDGE AFTER TERMINALS ARE INSTALLED.

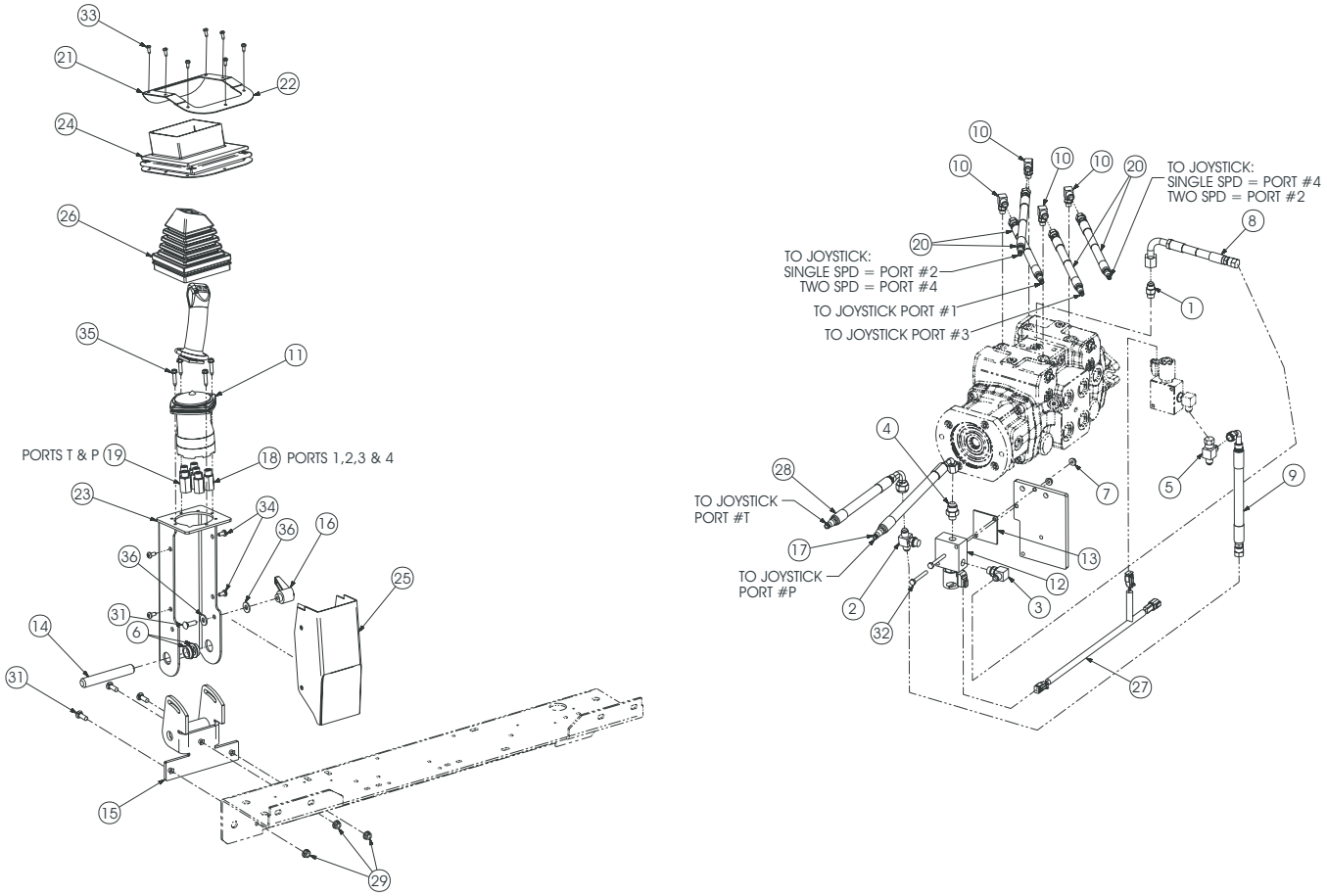
139705

Ref. No.	Part No.	Description	Quantity 4840 T-Bar/JS
1	056937	WASHER/FLAT 25/32	6
2	075288	PIN/ROLL 5/16 X 1-1/4	3
3	079216	ROD END/ FEMALE WITH STUD	8
4	123722	STUD/CONTROL ROD	1
5	127669	SHAFT/PIVOT	1
6	128316	BUSHING/PIVOT	6
7	134327	STOP/T-BAR	1
8	134400	BRACKET/PIVOT	2
9	134436	ROD 9-1/4	2
10	134437	ROD 4-3/4	1
11	134532	ASSEMBLY/PIVOT	1
12	134658	ARM/ASSEMBLY	2
13	134659	TUBE ASSEMBLY/PIVOT	1
14	134757	DAMPER	2
15	134792	ROD END/ELASTOMERIC	2
16	134852	NUT/SPIRALOCK™ 3/8	7
17	134853	NUT/SPIRALOCK™ 1/2	2
18	135393	PIVOT	1
19	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
20	183149	LEVER/LEFT CONTROL	1
21	184210	PLUG/4-PIN	1
22	184211	WEDGE/4-PIN	1
23	187002	NUT/TOP LOCK FLANGE HEX 5/16	8
24	189108b	BOOT/T-BAR	1
	074093a	BOOT/CONTROL LEVER	1
25	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
26	210-31017	NUT/CENTER LOCK FLANGE HEX	4
27	650453	SCREW/CAP 1/2 X 1-1/2	2
28	650491	SCREW/CAP 3/8 X 1-1/4	1
29	650492	SCREW/CAP 3/8 X 2-1/2	2
30	650533	SCREW/CAP 3/8 X 1-1/2	3
31	650634	SCREW/CAP 3/8 X 1	2
32	650687	BOLT/CARRIAGE 5/16 X 3/4	4
33	651467	PIN/ROLL M5 X 30MM	1
34	653036	NUT/JAM 5/16 (Loctite® 242)	8
35	654002	WASHER/FLAT 1/4	2
36	654004	WASHER/FLAT 5/16	2
37	656048	NUT/HEX M8	4

a) SN 408500 and Before

b) SN 408501 and Up

4640 and 4840 Models - Dual Joystick Controls

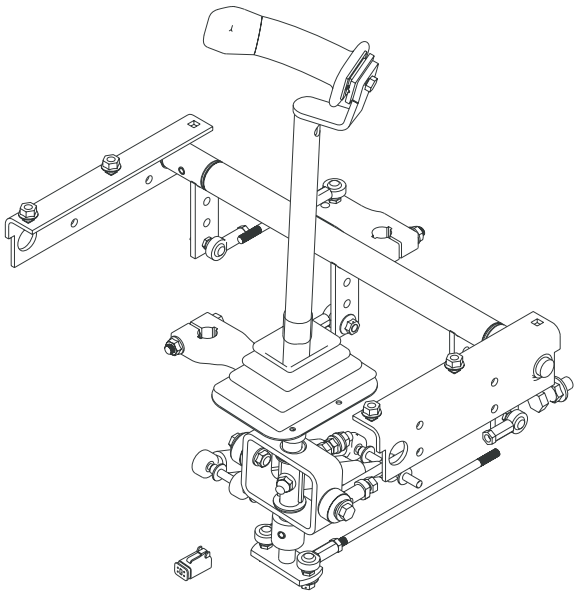


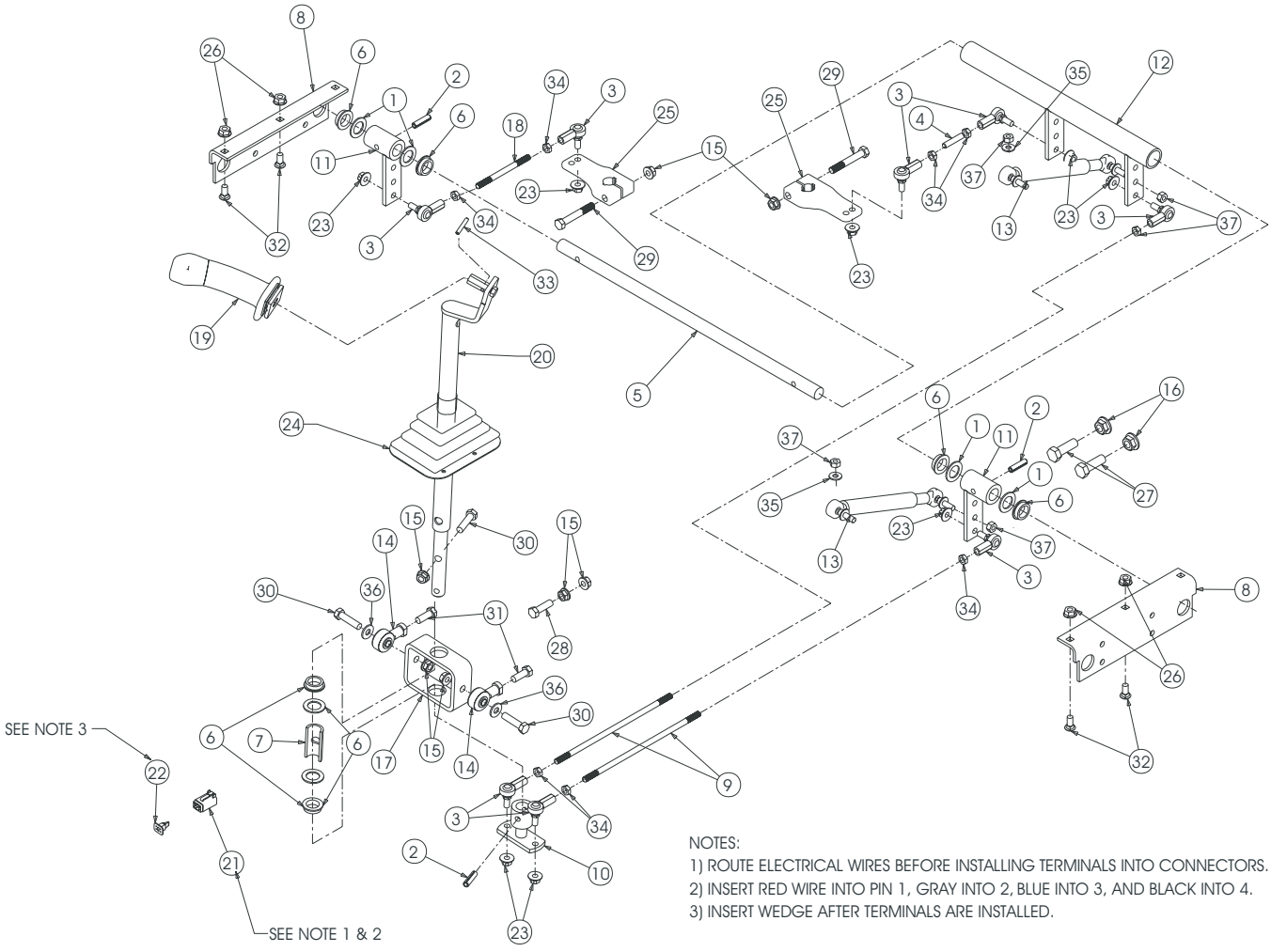
191180

Ref. No.	Part No.	Description	Quantity 46/4840 Dual Joystick
1	054994	FITTING/STRAIGHT SAE06 X JIC06	2
2	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
3	068938	FITTING/90° SAE06 X JIC06	1
4	072803	FITTING/STRAIGHT SAE06 X JIC08	1
5	072806	FITTING/HYDRAULIC TEE	1
6	128316	BUSHING/PIVOT	2
7	134588	NUT/SPIRALOCK™ 1/4	2
8	136112	HOSE/MEDIUM PRESSURE 3/8 X 26	1
9	137613	HOSE/MEDIUM PRESSURE 3/8 X 18-1/2	1
10	137784	FITTING/90° SAE04 X JIC06	4
11	183902	JOYSTICK/DRIVE	1
	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
12	184102a	VALVE/SOLENOID	1
13	184378	PLATE/SPACER	1
14	187888	PIN/TILT CONSOLE	1
15	188422	MOUNT/TOWER	1
16	188430	HANDLE/RATCHET	1
17	189366	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 35 (INCL. ITEM #19)	1
18	REF	ADAPTER/QD/HD/6MB-4QD	4
19	REF	ADAPTER/QD/HD/6MB-6QD	2
20	189359	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 33-1/2 (INCL. ITEM #18)	4
21	189377	FLANGE/BOOT/JOYSTICK	1
22	189380	FLANGE/BOOT/JOYSTICK/REAR	1
23	190133	STAND/JOYSTICK DRIVE	1
24	190834	BOOT/JOYSTICK LEFT	1
25	190854	COVER/CONSOLE	1
26	191119	BOOT/JOYSTICK	1
27	191142	HARNESS/JUMPER/VALVE	1
28	191365	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 31 (INCL. ITEM #19)	1
29	210-19470	NUT/LOCK FLANGE 5/16	3
30	650542	SCREW/CAP 1/4 X 1/2	1
31	650573	BOLT/CARRIAGE 5/16 X 1	4
32	650706	SCREW/CAP 1/4 X 2	2
33	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7
34	651647	SCREW/TAPPING THREAD FORMING PAN HEAD TORX DRIVE 1/4 X 1/2	4
35	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	4
36	654004	WASHER/FLAT 5/16	2

a) For breakdown see “Section B” of this manual.

5640 Models - T-Bar and T-Bar/Joystick Controls





NOTES:
1) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS.
2) INSERT RED WIRE INTO PIN 1, GRAY INTO 2, BLUE INTO 3, AND BLACK INTO 4.
3) INSERT WEDGE AFTER TERMINALS ARE INSTALLED.

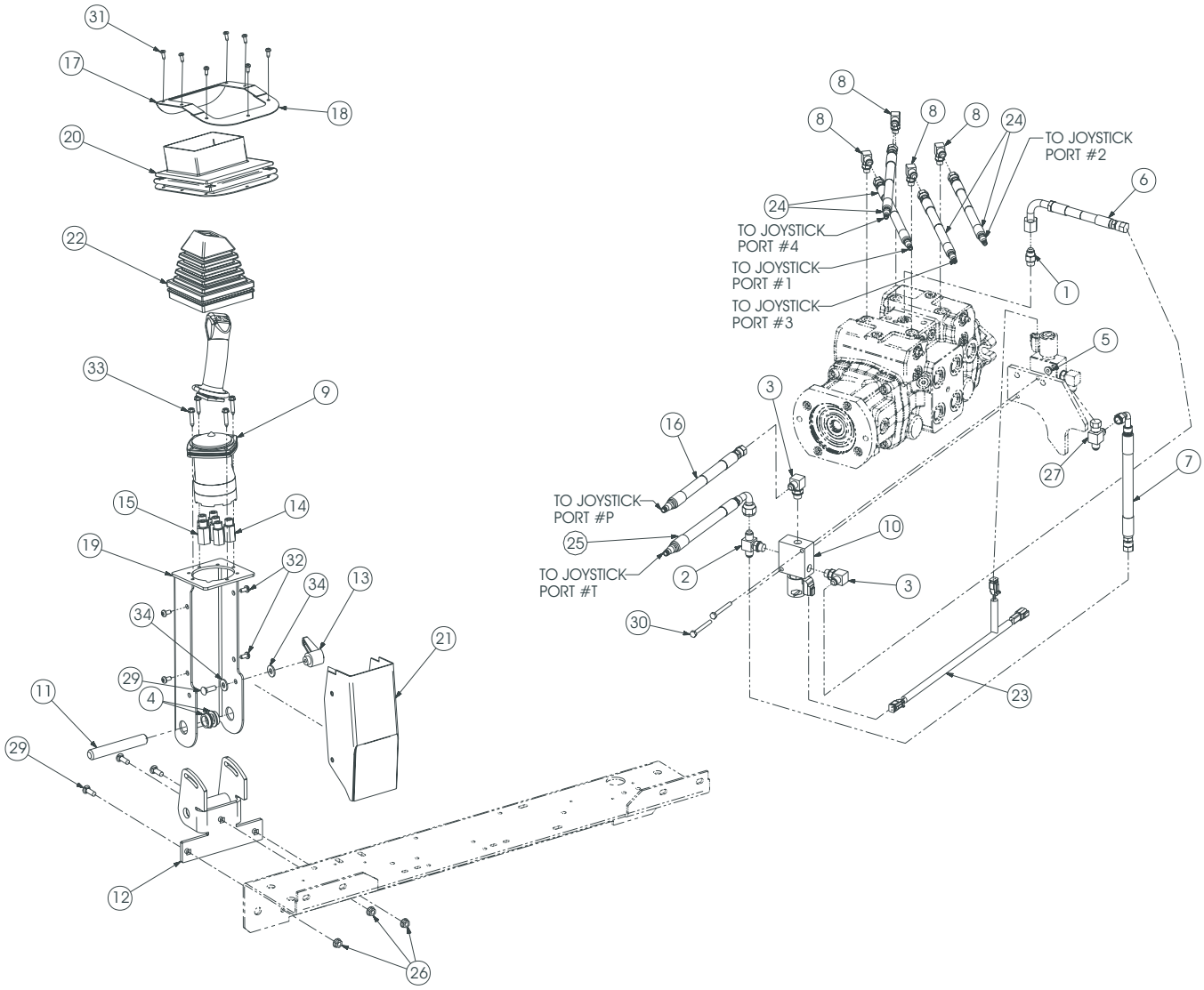
190500

Ref. No.	Part No.	Description	Quantity 5640 T-Bar/JS
1	056937	WASHER/FLAT 25/32	6
2	075288	PIN/ROLL 5/16 X 1-1/4	3
3	079216	ROD END/ FEMALE WITH STUD	8
4	123722	STUD/CONTROL ROD	1
5	127669	SHAFT/PIVOT	1
6	128316	BUSHING/PIVOT	6
7	134327	STOP/T-BAR	1
8	134400	BRACKET/PIVOT	2
9	134436	ROD 9-1/4	2
10	134532	ASSEMBLY/PIVOT	1
11	134658	ARM/ASSEMBLY	2
12	134659	TUBE ASSEMBLY/PIVOT	1
13	134757	DAMPER	2
14	134792	ROD END/ELASTOMERIC	2
15	134852	NUT/SPIRALOCK™ 3/8	7
16	134853	NUT/SPIRALOCK™ 1/2	2
17	135393	PIVOT	1
18	135782	STUD/CONTROL ROD	1
19	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
20	183149	LEVER/LEFT CONTROL	1
21	184210	PLUG/4-PIN	1
22	184211	WEDGE/4-PIN	1
23	187002	NUT/TOP LOCK FLANGE HEX 5/16	8
24	189108b	BOOT/T-BAR	1
	074093a	BOOT/CONTROL LEVER	1
25	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
26	210-31017	NUT/CENTER LOCK FLANGE HEX 5/16	4
27	650453	SCREW/CAP 1/2 X 1-1/2	2
28	650491	SCREW/CAP 3/8 X 1-1/4	1
29	650492	SCREW/CAP 3/8 X 2-1/2	2
30	650533	SCREW/CAP 3/8 X 1-1/2	3
31	650634	SCREW/CAP 3/8 X 1	2
32	650687	BOLT/CARRIAGE 5/16 X 3/4	4
33	651467	PIN/ROLL M5 X 30MM	1
34	653036	NUT/JAM 5/16 (Loctite® 242)	8
35	654002	WASHER/FLAT 1/4	2
36	654004	WASHER/FLAT 5/16	2
37	656048	NUT/HEX M8	4

a) SN 506600 and Before

b) SN 506601 and Up

5640 Models - Dual Joystick Controls

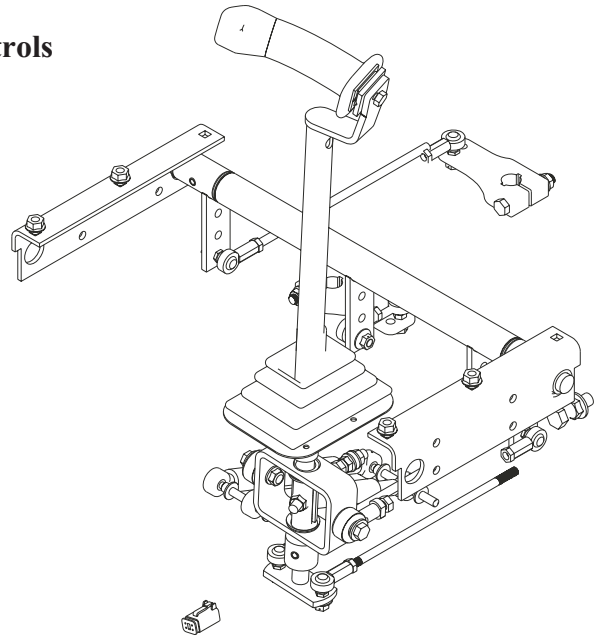


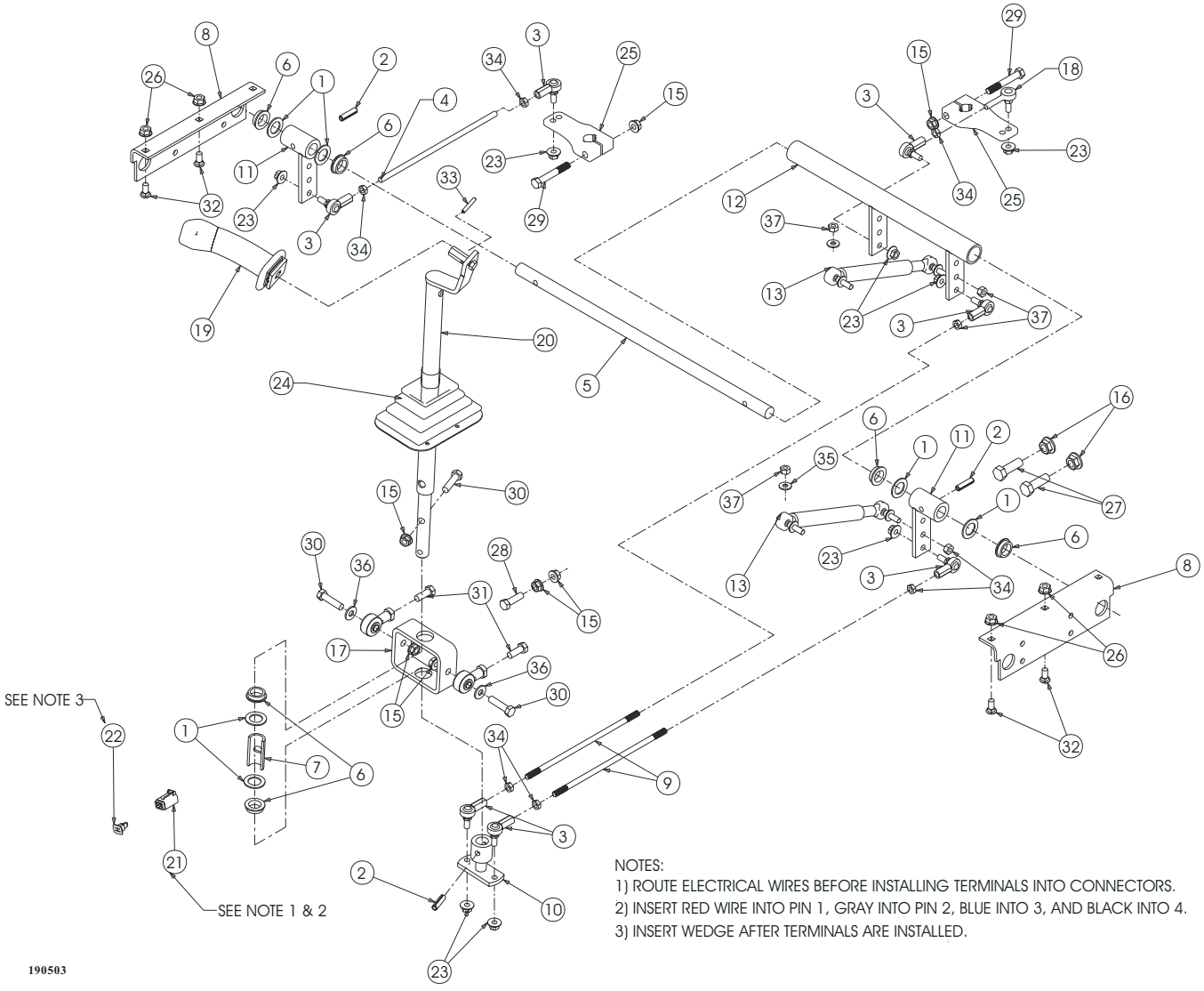
191158

Ref. No.	Part No.	Description	Quantity 5640 Dual Joystick
1	054994	FITTING/STRAIGHT SAE06 X JIC06	1
2	055981	FITTING/TEE JIC06 X SAE06 X JIC06	1
3	068938	FITTING/90° SAE06 X JIC06	2
4	128316	BUSHING/PIVOT	2
5	134588	NUT/SPIRALOCK™ 1/4	2
6	136112	HOSE/MEDIUM PRESSURE 3/8 X 26	1
7	137613	HOSE/MEDIUM PRESSURE 3/8 X 18-1/2	1
8	137784	FITTING/90° SAE04 X JIC06	4
9	183902	JOYSTICK/DRIVE	1
	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
10	184102a	VALVE/SOLENOID	1
11	187888	PIN/TILT CONSOLE	1
12	188422	MOUNT/TOWER	1
13	188430	HANDLE/RATCHET	1
14	REF	ADAPTER/QD/HD/6MB-4QD	4
15	REF	ADAPTER/QD/HD/6MB-6QD	2
16	189357	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 31-1/2 (INCL. ITEM #15)	1
17	189377	FLANGE/BOOT/JOYSTICK	1
18	189380	FLANGE/BOOT/JOYSTICK/REAR	1
19	190133	STAND/JOYSTICK DRIVE	1
20	190834	BOOT/JOYSTICK LEFT	1
21	190854	COVER/CONSOLE	1
22	191119	BOOT/JOYSTICK	1
23	191142	HARNESS/JUMPER/VALVE	1
24	191364	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 36-1/2 (INCL. ITEM #14)	4
25	191365	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 31 (INCL. ITEM #15)	1
26	210-19470	NUT/LOCK FLANGE 5/16	3
27	072806	FITTING/HYDRAULIC TEE	1
28	650542	SCREW/CAP 1/4 X 1/2	1
29	650573	BOLT/CARRIAGE 5/16 X 1	4
30	650839	SCREW/CAP 1/4 X 2-1/4	2
31	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7
32	651647	SCREW/TAPPING THREAD FORMING PAN HEAD TORX DRIVE 1/4 X 1/2	4
33	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	4
34	654004	WASHER/FLAT 5/16	2

a) For breakdown see “Section B” of this manual.

6640 Models - T-Bar and T-Bar/Joystick Controls





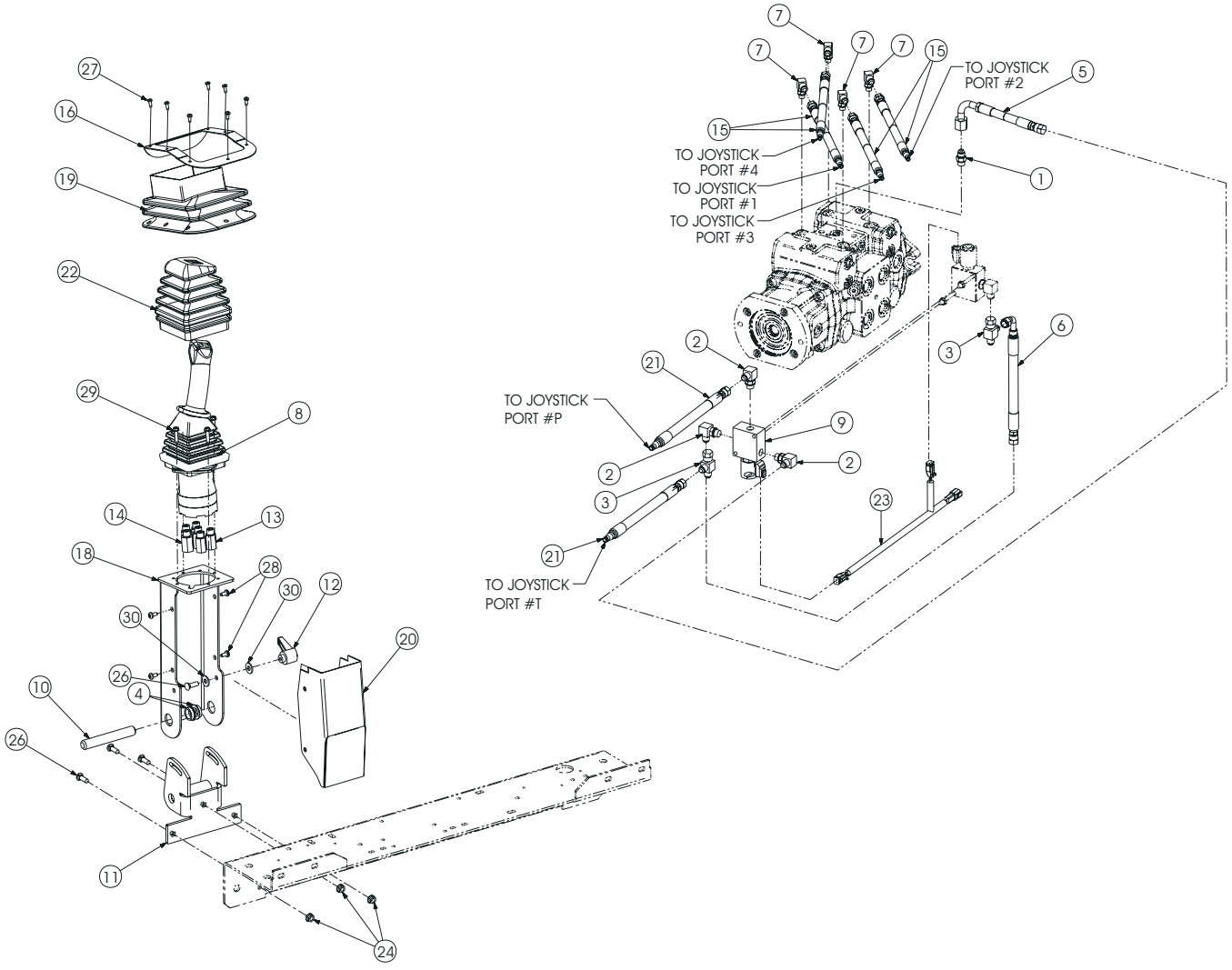
NOTES:
1) ROUTE ELECTRICAL WIRES BEFORE INSTALLING TERMINALS INTO CONNECTORS.
2) INSERT RED WIRE INTO PIN 1, GRAY INTO PIN 2, BLUE INTO 3, AND BLACK INTO 4.
3) INSERT WEDGE AFTER TERMINALS ARE INSTALLED.

Ref. No.	Part No.	Description	Quantity 6640 T-Bar/JS
1	056937	WASHER/FLAT 25/32	6
2	075288	PIN/ROLL 5/16 X 1-1/4	3
3	079216	ROD END/ FEMALE WITH STUD	7
4	122089	ROD/TAKE-UP	1
5	127669	SHAFT/PIVOT	1
6	128316	BUSHING/PIVOT	6
7	134327	STOP/T-BAR	1
8	134400	BRACKET/PIVOT	2
9	134436	ROD 9-1/4	2
10	134532	ASSEMBLY/PIVOT	1
11	134658	ARM/ASSEMBLY	2
12	134659	TUBE ASSEMBLY/PIVOT	1
13	134757	DAMPER	2
14	134792	ROD END/ELASTOMERIC	2
15	134852	NUT/SPIRALOCK™ 3/8	7
16	134853	NUT/SPIRALOCK™ 1/2	2
17	135393	PIVOT/T-BAR	1
18	135787	ROD END/MALE 5/16	1
19	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
20	183149	LEVER/LEFT CONTROL	1
21	184210	PLUG/4-PIN	1
22	184211	WEDGE/4-PIN	1
23	187002	NUT/HEX 5/16	8
24	189108b	BOOT/CONTROL LEVER	1
	074093a	BOOT/CONTROL LEVER	1
25	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
26	210-31017	NUT/HEX 5/16	4
27	650453	SCREW/CAP 1/2 X 1-1/2	2
28	650491	SCREW/CAP 3/8 1-1/4	1
29	650492	SCREW/CAP 3/8 X 2-1/2	2
30	650533	SCREW/CAP 3/8 X 1-1/2	3
31	650634	SCREW/CAP 3/8 X 1	2
32	650687	BOLT/CARRIAGE 5/16 X 3/4	4
33	651467	PIN/ROLL M5 X 30 MM	1
34	653036	NUT/JAM 5/16	7
35	654002	WASHER/FLAT 1/4	2
36	654004b	WASHER/FLAT 5/16	2
37	656048	NUT/HEX M8	4

a) SN 605500 and Before

b) SN 605501 and Up

6640 Models - Dual Joystick Controls

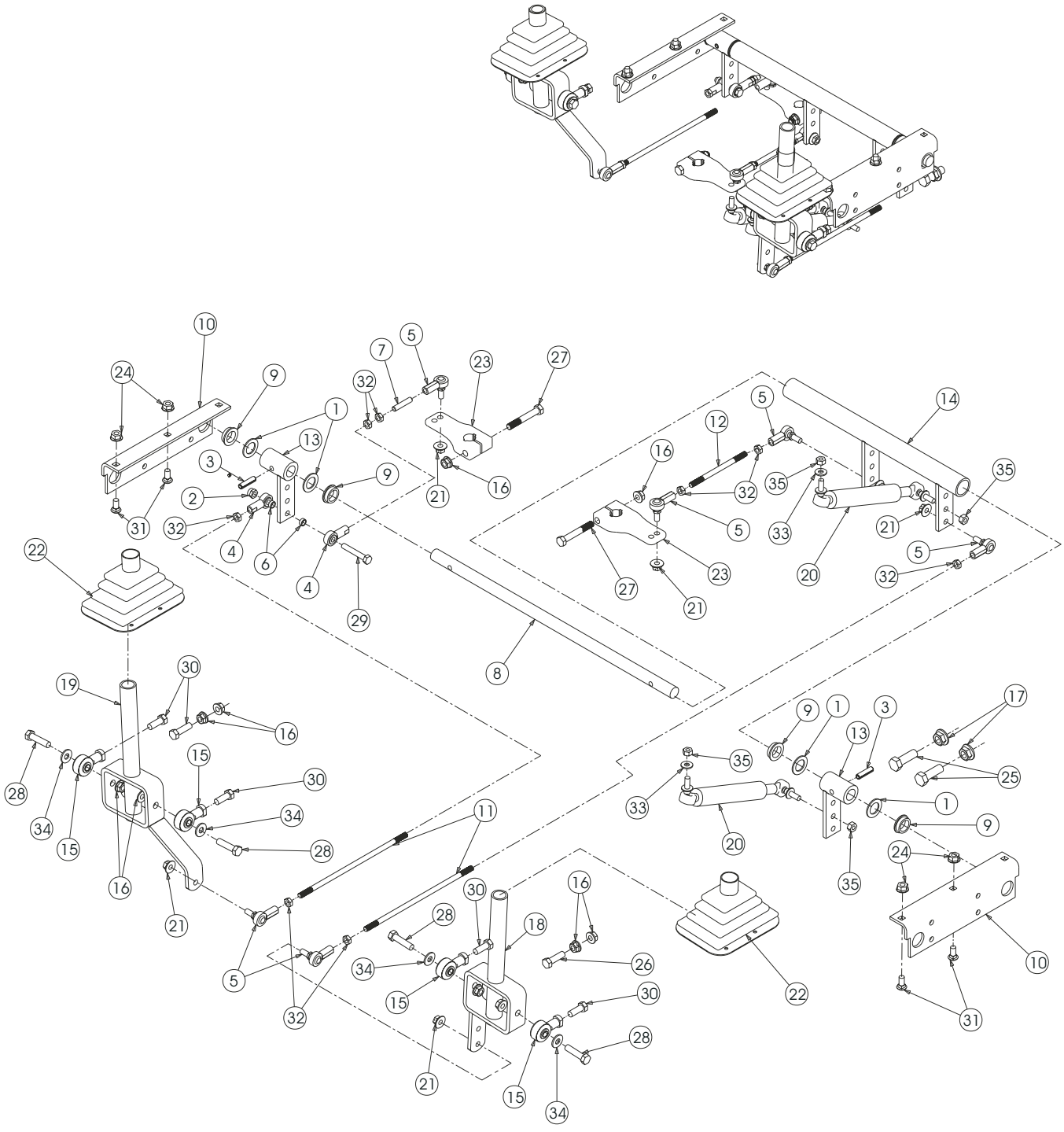


190585

Ref. No.	Part No.	Description	Quantity 6640 Dual Joystick
1	054994	FITTING/STRAIGHT SAE06 X JIC06	1
2	068938	FITTING/90° SAE06 X JIC06	3
3	072806	TEE/FEMALE RUN TEE SWIVEL 37°	2
4	128316	BUSHING/PIVOT	2
5	136112	HOSE/MEDIUM PRESSURE 3/8 X 26	1
6	137613	HOSE/MEDIUM PRESSURE 3/8 X 18-1/2	1
7	137784	FITTING/90° SAE04 X JIC06	4
8	183902	JOYSTICK/DRIVE	1
	183147	GRIP/KAWASAKI (WTH TWO SWITCHES)	1
9	184102a	VALVE/SOLENOID	1
10	187888	PIN/TILT CONSOLE	1
11	188422	WELDMENT/TOWER MOUNT	1
12	188430	HANDLE/RATCHET	1
13	REF	ADAPTER/QD/HD/6MB-4QD	4
14	REF	ADAPTER/QD/HD/6MB-6QD	2
15	189358	HOSE AND ADAPTER/LOW PRESSURE 1/4 X 42 (INCL ITEM #13)	4
16	189377	FLANGE/BOOT/JOYSTICK	1
17	189380	FLANGE/BOOT/JOYSTICK/REAR	1
18	190133	WELDMENT/JOYSTICK STAND	1
19	190834	BOOT/JOYSTICK LEFT	1
20	190854	COVER/CONSOLE	1
21	191367	HOSE AND ADAPTER/LOW PRESSURE 3/8 X 40 (INCL. ITEM #14)	2
22	191119	BOOT/JOYSTICK	1
23	191142	HARNESS/JUMPER/VALVE	1
24	210-19470	NUT/HEX WHIZLOCK 5/16	3
25	650542	SCREW/CAP 1/4 X 1/2	1
26	650573	BOLT/CARRIAGE 5/16 X 1	4
27	651646	SCREW/THREAD CUTTING PAN HEAD TORX DRIVE #10 X 1/2	7
28	651647	SCREW/MACHINE PAN HEAD TORX DRIVE 1/4 X 1/2	4
29	651660	SCREW/TAP/R THREAD ROLL 1/4 X 1-1/4	4
30	654004	WASHER/FLAT 5/16	2

a) For breakdown see “Section B” of this manual.

4640 and 4840 Models - Hand Controls



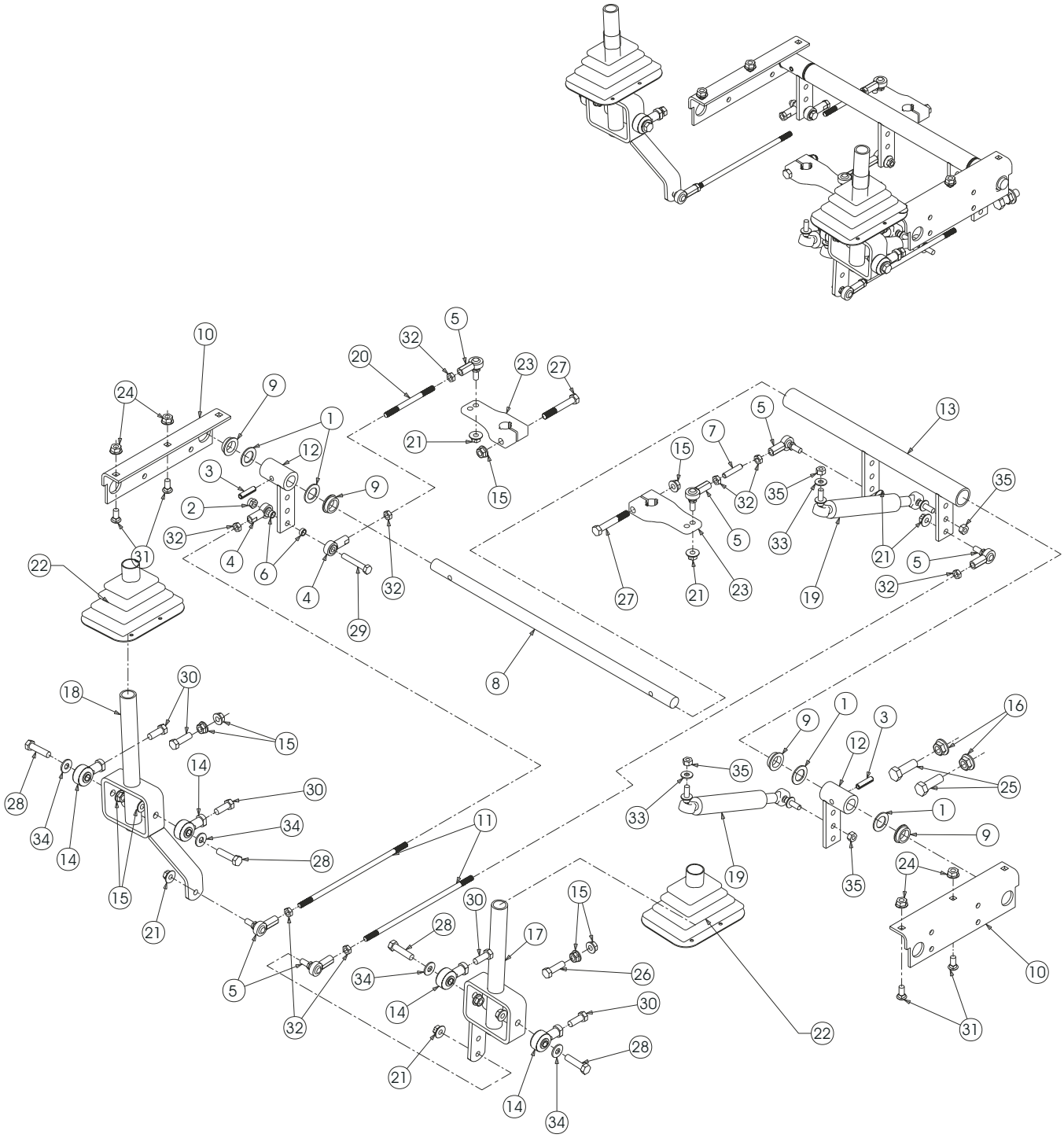
183173_183452

Ref. No.	Part No.	Description	Quantity 4640/4840 Hand
1	056937	WASHER/FLAT 25/32	4
2	064260	NUT/LOCK HEX 51/6	1
3	075288	PIN/ROLL 5/16 X 1-1/4	2
4	079042	ROD END/FEMALE 5/16	2
5	079216	ROD END/FEMALE STUDDED 5/16	6
6	123672	SPACER	2
7	123722	STUD/CONTROL ROD	1
8	127669	SHAFT/PIVOT	1
9	128316	BEARING/SINTERED BRONZE	4
10	134400	BAR/BEARING PIVOT	2
11	134436	ROD 9-1/4	2
12	135782	ROD 4-1/8 4640 MODELS	1
	134437	ROD 4-3/4 4840 MODELS	1
13	134658	ASSEMBLY/LEVER	2
14	134659	TUBE ASSEMBLY/PIVOT	1
15	134792	END/ROD ELASTOMERIC	4
16	134852	NUT/SPIRALOCK™ 3/8	10
17	134853	NUT/SPIRALOCK™ 1/2	2
18	135069	LEVER ASSEMBLY/LEFT	1
19	135072	LEVER ASSEMBLY/RIGHT	1
20	135332	DAMPER	2
21	187002	NUT/TOP LOCK FLANGE HEX 5/16	6
22	189108b	BOOT/T-BAR	2
	074093a	BOOT/CONTROL LEVER	2
23	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
24	210-31017	NUT/CENTER LOCK FLANGE HEX 5/16	4
25	650453	SCREW/CAP 1/2 X 1-1/2	2
26	650491	SCREW/CAP 3/8 X 1-1/4	2
27	650492	SCREW/CAP 3/8 X 2-1/2	2
28	650533	SCREW/CAP 3/8 X 1-1/2	4
29	650568	SCREW/CAP 5/16 X 2	1
30	650634	SCREW/CAP 3/8 X 1	4
31	650687	BOLT/CARRIAGE 5/16 X 3/4	4
32	653036	NUT/JAM HEX 5/16 (Loctite® 242)	8
33	654002	WASHER/FLAT 1/4	2
34	654004	WASHER/FLAT 5/16	4
35	656048	NUT/HEX M8 X 1-1/4	4

a) 4640: SN 307900 and Before. 4840: SN 408500 and Before

b) 4640: SN 307901 and Up. 4840: SN 408501 and Up

5640 Models - Hand Controls

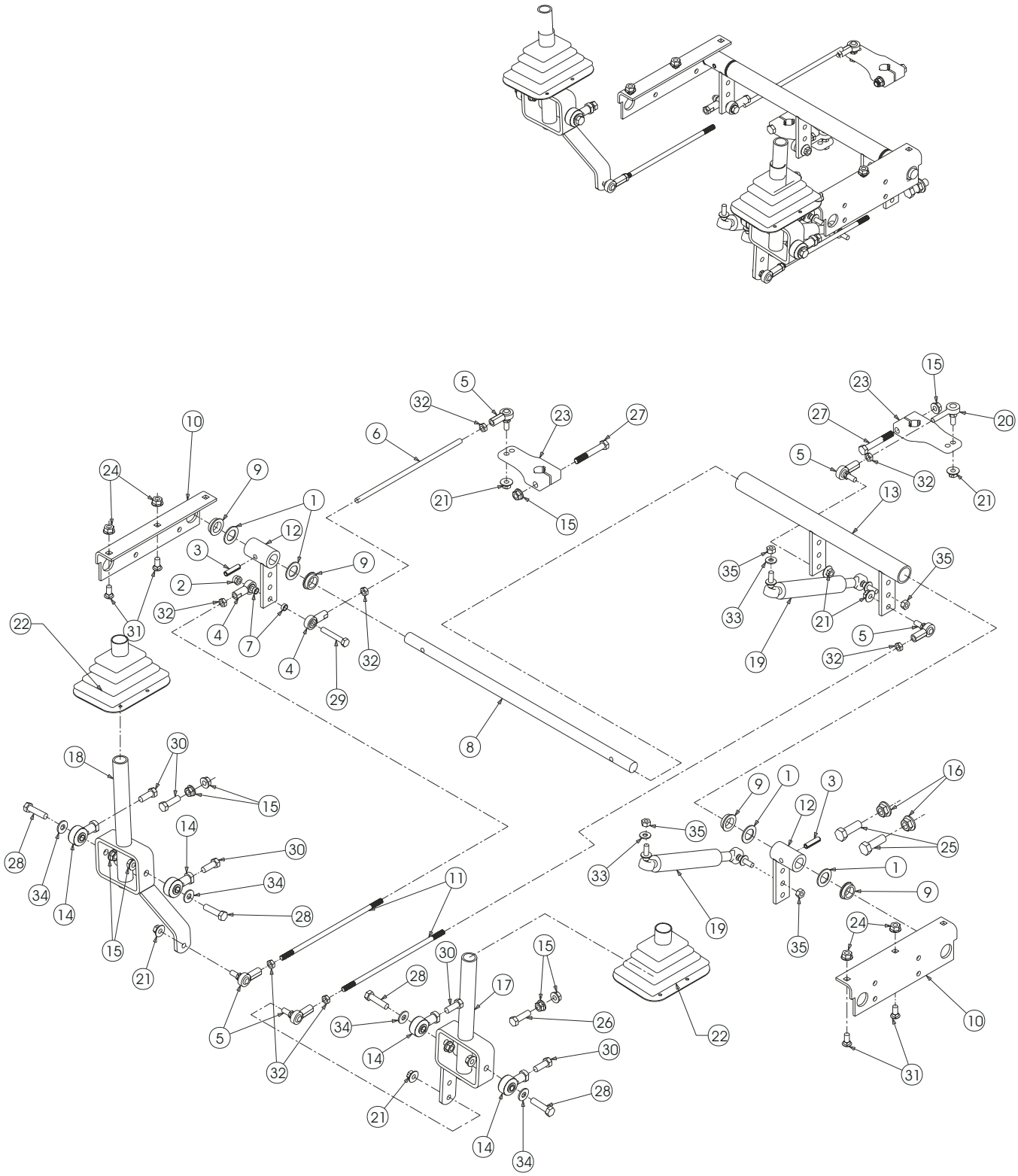


190499

Ref. No.	Part No.	Description	Quantity 5640 Hand
1	056937	WASHER/FLAT 25/32	4
2	064260	NUT/LOCK HEX 51/6	1
3	075288	PIN/ROLL 5/16 X 1-1/4	2
4	079042	ROD END/FEMALE 5/16	2
5	079216	ROD END/FEMALE STUDDED 5/16	6
6	123672	SPACER	2
7	123722	STUD/CONTROL ROD	1
8	127669	SHAFT/PIVOT	1
9	128316	BEARING/SINTERED BRONZE	4
10	134400	BAR/BEARING PIVOT	2
11	134436	ROD 9-1/4	2
12	134658	ASSEMBLY/LEVER	2
13	134659	TUBE ASSEMBLY/PIVOT	1
14	134792	END/ROD ELASTOMERIC	4
15	134852	NUT/SPIRALOCK™ 3/8	10
16	134853	NUT/SPIRALOCK™ 1/2	2
17	135069	LEVER ASSEMBLY/LEFT	1
18	135072	LEVER ASSEMBLY/RIGHT	1
19	135332	DAMPER	2
20	135782	ROD 4-1/8	1
21	187002	NUT/TOP LOCK FLANGE HEX 5/16	6
22	189108b	BOOT/T-BAR	2
	074093a	BOOT/CONTROL LEVER	2
23	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
24	210-31017	NUT/CENTER LOCK FLANGE HEX 5/16	4
25	650453	SCREW/CAP 1/2 X 1-1/2	2
26	650491	SCREW/CAP 3/8 X 1-1/4	2
27	650492	SCREW/CAP 3/8 X 2-1/2	2
28	650533	SCREW/CAP 3/8 X 1-1/2	4
29	650568	SCREW/CAP 5/16 X 2	1
30	650634	SCREW/CAP 3/8 X 1	4
31	650687	BOLT/CARRIAGE 5/16 X 3/4	4
32	653036	NUT/JAM HEX 5/16 (Loctite® 242)	8
33	654002	WASHER/FLAT 1/4	2
34	654004	WASHER/FLAT 5/16	4
35	656048	NUT/HEX M8 X 1-1/4	4

a) SN 506600 and Before
b) SN 506601 and Up

6640 Models - Hand Controls

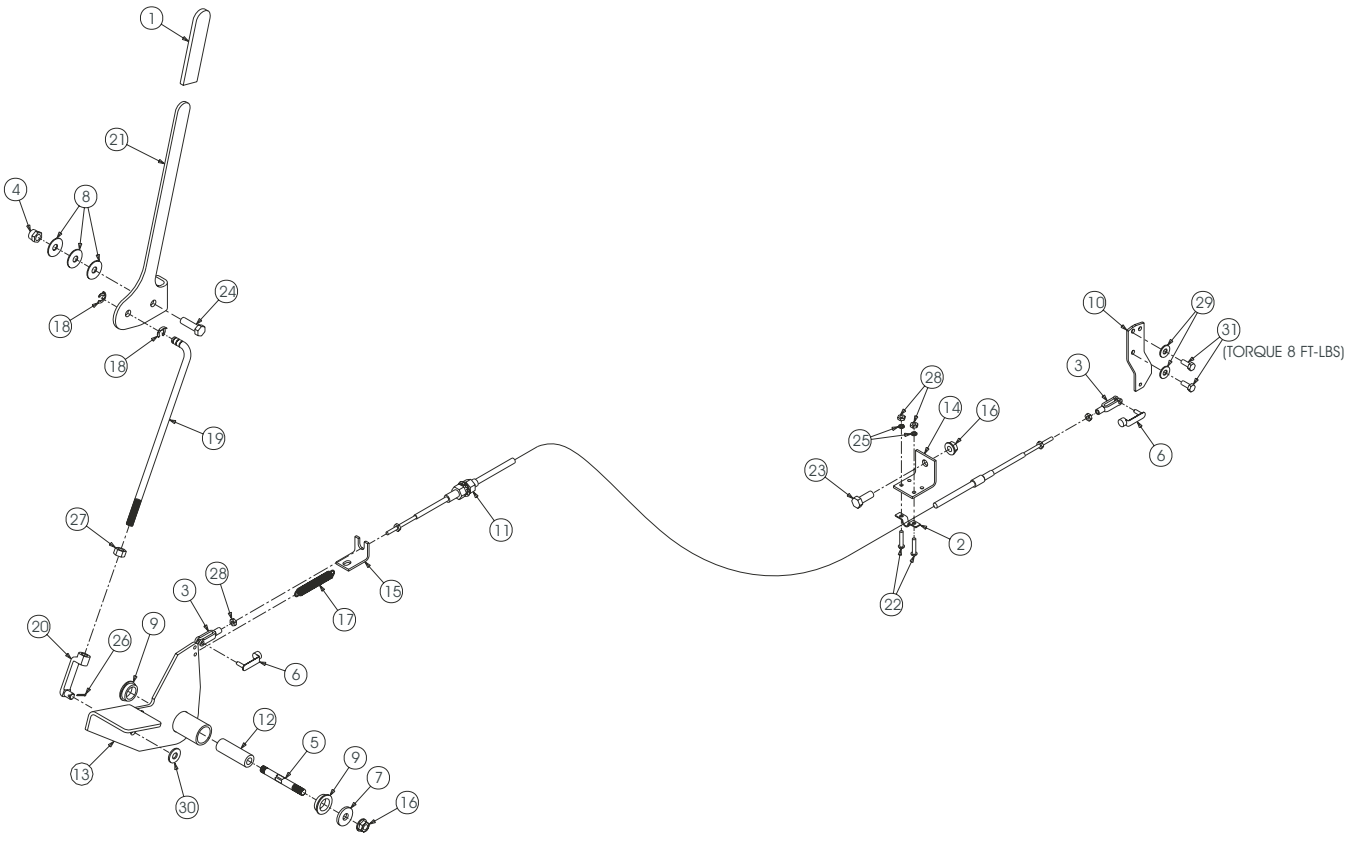


190502

Ref. No.	Part No.	Description	Quantity 6640 Hand
1	056937	WASHER/FLAT 25/32	4
2	064260	NUT/LOCK HEX 51/6	1
3	075288	PIN/ROLL 5/16 X 1-1/4	2
4	079042	ROD END/FEMALE 5/16	2
5	079216	ROD END/FEMALE STUDDED 5/16	5
6	122089	ROD/TAKE-UP	1
7	123672	SPACER	2
8	127669	SHAFT/PIVOT	1
9	128316	BEARING/SINTERED BRONZE	4
10	134400	BAR/BEARING PIVOT	2
11	134436	ROD 9-1/4	2
12	134658	ASSEMBLY/LEVER	2
13	134659	TUBE ASSEMBLY/PIVOT	1
14	134792	END/ROD ELASTOMERIC	4
15	134852	NUT/SPIRALOCK™ 3/8	10
16	134853	NUT/SPIRALOCK™ 1/2	2
17	135069	LEVER ASSEMBLY/LEFT	1
18	135072	LEVER ASSEMBLY/RIGHT	1
19	135332	DAMPER	2
20	135787	ROD END/MALE 5/16	1
21	187002	NUT/TOP LOCK FLANGE HEX 5/16	6
22	189108b	BOOT/T-BAR	2
	074093a	BOOT/CONTROL LEVER	2
23	189508	CONTROL ARM/PUMP	2
	127990	KEY	1
24	210-31017	NUT/CENTER LOCK FLANGE HEX 5/16	4
25	650453	SCREW/CAP 1/2 X 1-1/2	2
26	650491	SCREW/CAP 3/8 X 1-1/4	2
27	650492	SCREW/CAP 3/8 X 2-1/2	2
28	650533	SCREW/CAP 3/8 X 1-1/2	4
29	650568	SCREW/CAP 5/16 X 2	1
30	650634	SCREW/CAP 3/8 X 1	4
31	650687	BOLT/CARRIAGE 5/16 X 3/4	4
32	653036	NUT/JAM HEX 5/16 (Loctite® 242)	7
33	654002	WASHER/FLAT 1/4	2
34	654004	WASHER/FLAT 5/16	4
35	656048	NUT/HEX M8 X 1-1/4	4

a) SN 605500 and Before
b) SN 605501 and Up

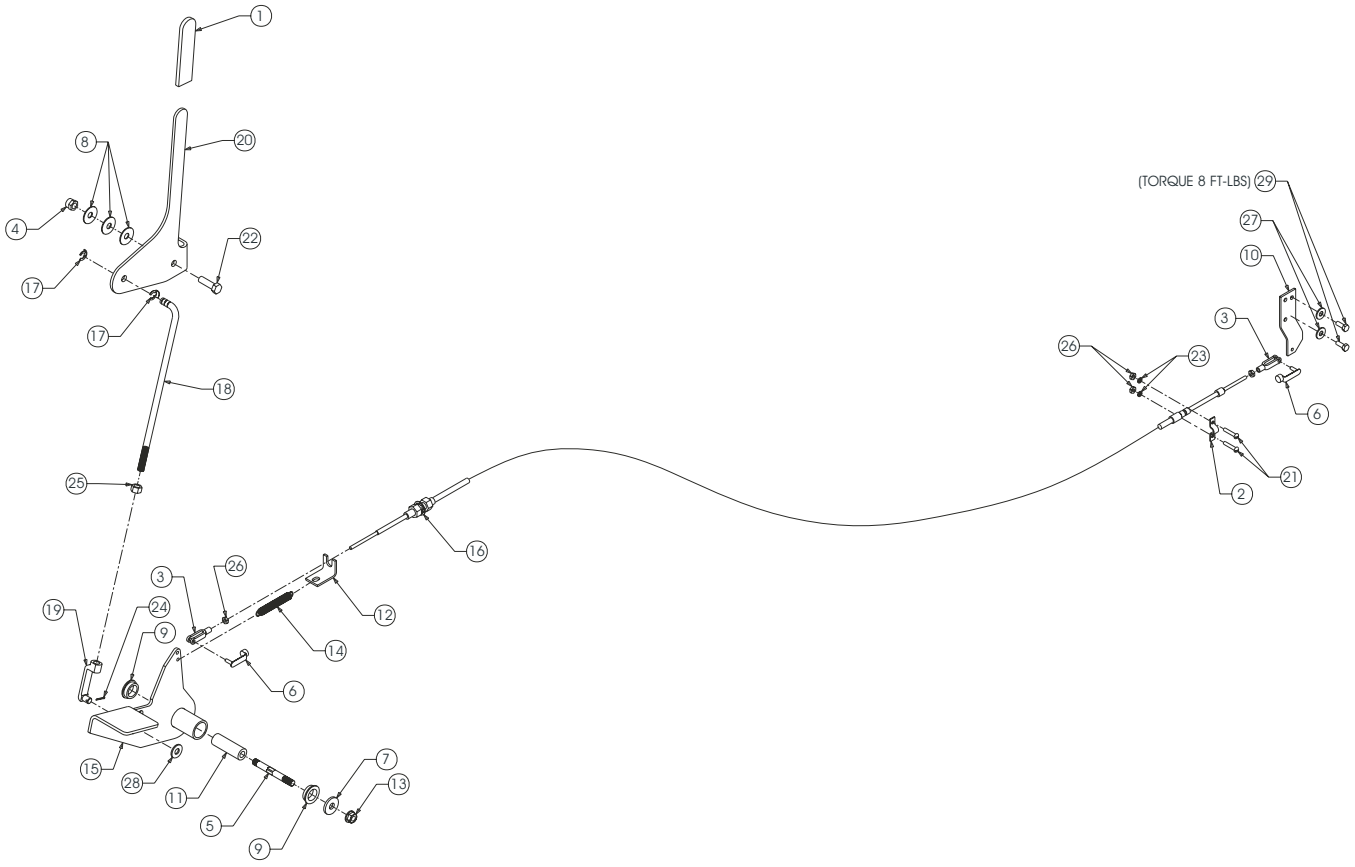
T-Bar and Dual Hand Controls - 4640 Models



183341

Ref. No.	Part No.	Description	Quantity 4640
1	062282	GRIP/FLAT HANDLE	1
2	065163	CLAMP/CABLE	1
3	065164	CLEVIS/ROD END	2
4	067847	NUT/HEX 3/8	1
5	072866	STUD	1
6	079213	PIN/CLEVIS SPRING	2
7	088912	WASHER/FLAT 13/32	1
8	124078	WASHER/BELLEVILLE	3
9	128316	BUSHING/PIVOT	2
10	131110	LEVER/THROTTLE	1
11	131262	CABLE/THROTTLE CONTROL	1
12	134241	SPACER/PIVOT	1
13	134243	ASSEMBLY/PEDAL	1
14	134398	BRACKET/CABLE SUPPORT	1
15	134447	CLIP/SPRING	1
16	134852	NUT/SPIRALOCK™ 3/8	2
17	135772	SPRING	1
18	136251	CLIP/RETAINING	2
19	136475	ROD/CONTROL	1
20	139108	CLEVIS/HALF 3/8	1
21	186945	ASSEMBLY/THROTTLE LEVER	1
22	650387	SCREW/MACHINE ROUND HEAD #10 X 1/2	2
23	650490	SCREW/CAP 3/8 X 1	1
24	650491	SCREW/CAP 3/8 X 1-1/4	1
25	650549	WASHER/LOCK #10	2
26	650551	PIN/COTTER	1
27	650552	NUT/HEX 3/8	1
28	650648	NUT/HEX #10	4
29	654002	WASHER/FLAT 1/4	2
30	654004	WASHER/FLAT 5/16	1
31	656149	SCREW/CAP M6 X 16MM	2

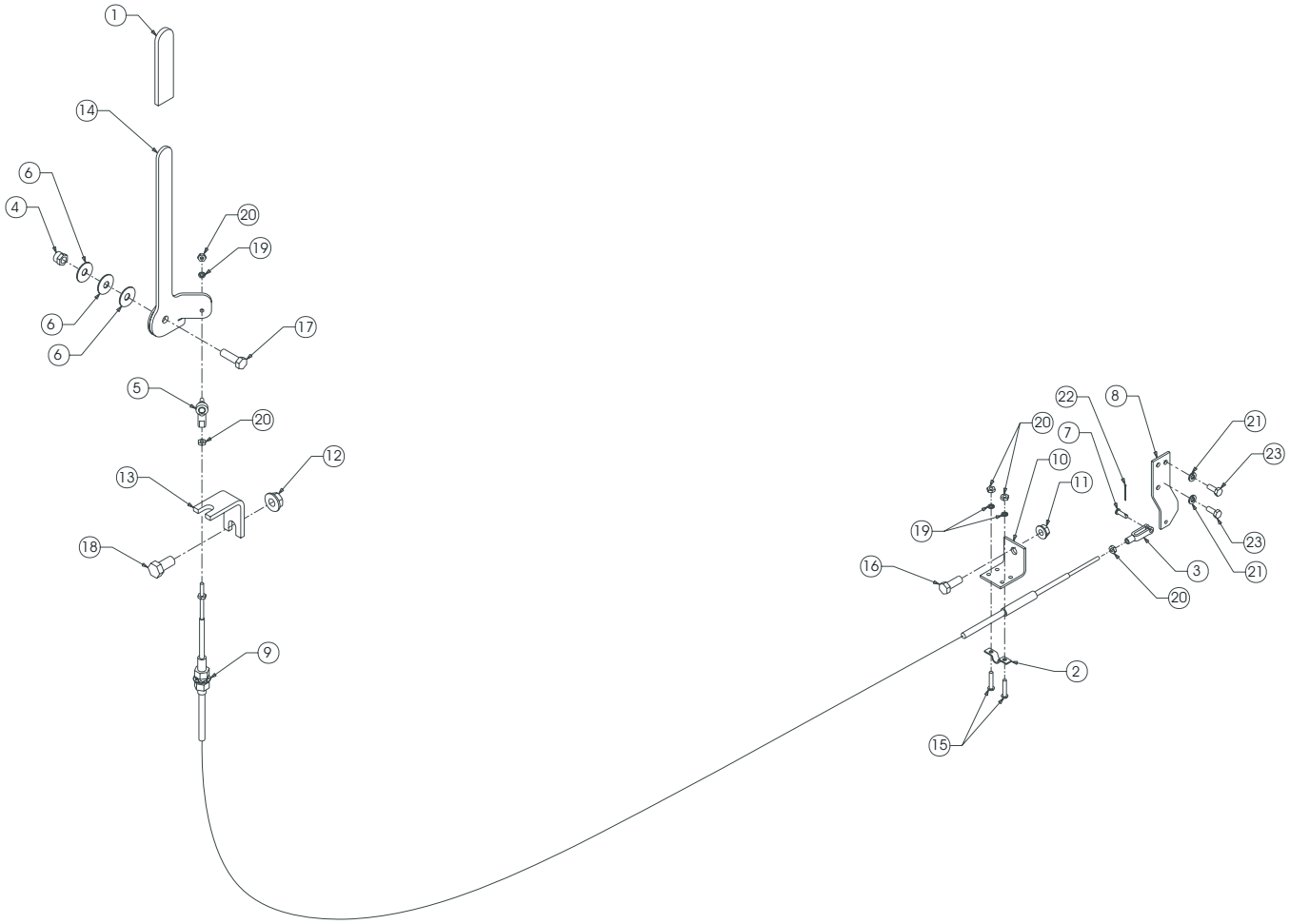
T-Bar and Dual Hand Controls - 4840, 5640 and 6640 Models



183321_184775

Ref. No.	Part No.	Description	Quantity 4840	Quantity 5640/6640
1	062282	GRIP/FLAT HANDLE	1	1
2	065163	CLAMP/CABLE	1	1
3	065164	CLEVIS/ROD END	2	2
4	067847	NUT/HEX 3/8	1	1
5	072866	STUD	1	1
6	079213	PIN/CLEVIS SPRING	2	2
7	088912	WASHER/FLAT 13/32	1	1
8	124078	WASHER/BELLEVILLE	3	3
9	128316	BUSHING/PIVOT	2	2
10	131110	LEVER/THROTTLE	1	1
11	134241	SPACER/PIVOT	1	1
12	134447	CLIP/SPRING	1	1
13	134852	NUT/SPIRALOCK™ 3/8	1	1
14	135772	SPRING	1	1
15	135841	PEDAL ASSEMBLY/FOOT	-	1
	134243	PEDAL ASSEMBLY/FOOT	1	-
16	131262	CABLE/THROTTLE CONTROL	1	-
	135966	CABLE/THROTTLE CONTROL	-	1
17	136251	CLIP/RETAINING	2	2
18	136475	ROD/CONTROL	1	1
19	139108	CLEVIS/HALF 3/8	1	1
20	186945	ASSEMBLY/THROTTLE LEVER	1	1
21	650387	SCREW/MACHINE ROUND HEAD #10 X 1/2	2	2
22	650491	SCREW/CAP 3/8 X 1-1/4	1	1
23	650549	WASHER/LOCK #10	2	2
24	650551	PIN/COTTER	1	1
25	650552	NUT/HEX 3/8	1	1
26	650648	NUT/HEX #10	4	4
27	654002	WASHER/FLAT 1/4	2	2
28	654004	WASHER/FLAT 5/16	1	1
29	656149	SCREW/CAP M6 X 16MM	2	2

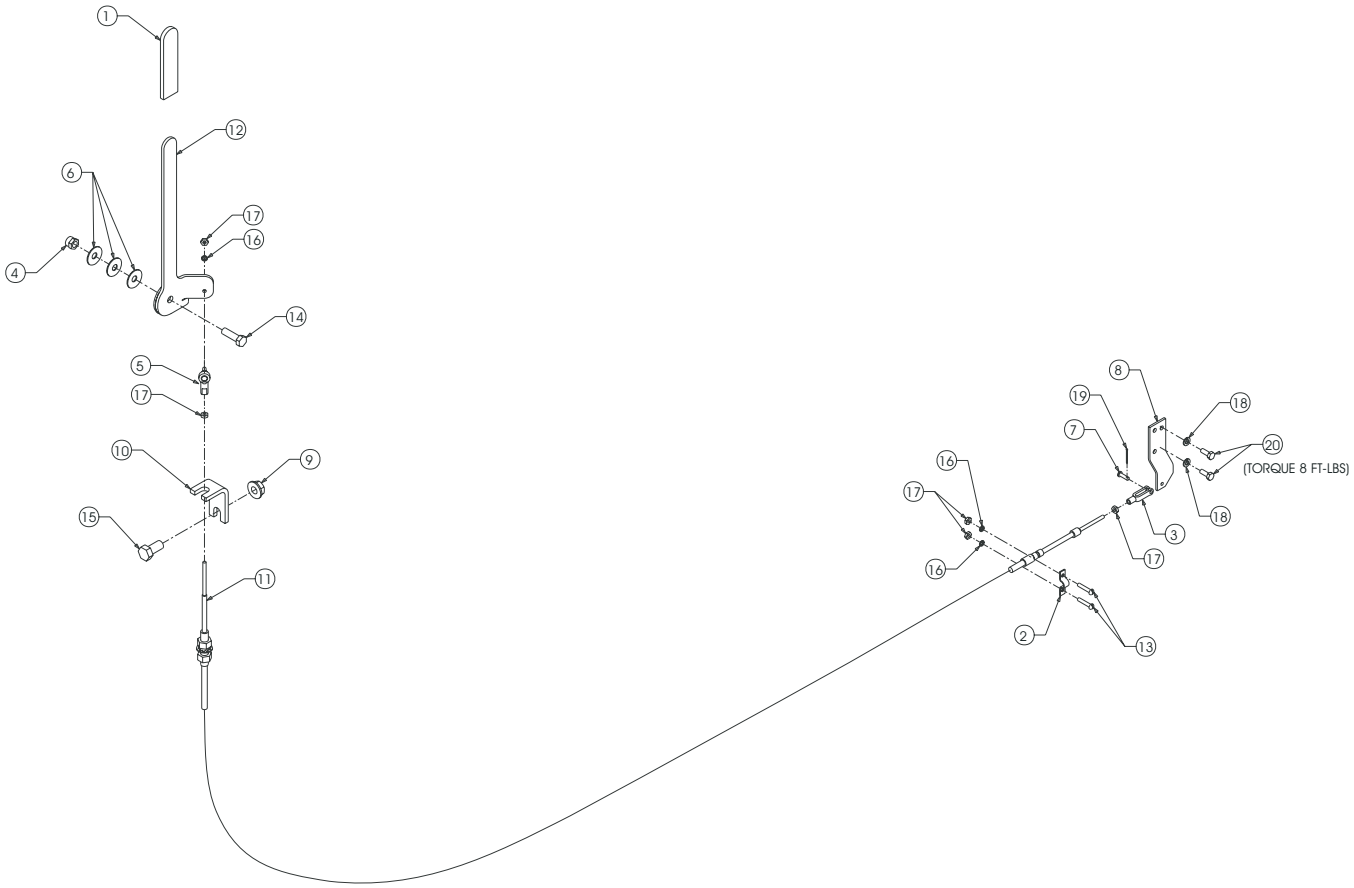
Hand and Foot Controls - 4640 Models



134090

Ref. No.	Part No.	Description	Quantity 4640 Hand/Foot
1	062282	GRIP/FLAT HANDLE	1
2	065163	CLAMP/CABLE	1
3	065164	CLEVIS/ROD END	1
4	067847	NUT/HEX 3/8	1
5	114449	END/ROD #10 FEMALE STUD	1
6	124078	WASHER/BELLEVILLE	3
7	127488	PIN/CLEVIS	1
8	131110	LEVER/THROTTLE	1
9	131262	CABLE/THROTTLE CONTROL	1
10	134398	BRACKET/CABLE SUPPORT	1
11	134852	NUT/SPIRALOCK™ 3/8	1
12	134853	NUT/SPIRALOCK™ 1/2	1
13	135171	BRACKET/CABLE SUPPORT	1
14	186777	LEVER/THROTTLE ASSEMBLY	1
15	650387	SCREW/MACHINE #10 X 1	2
16	650490	SCREW/CAP 3/8 X 1	1
17	650491	SCREW/CAP 3/8 X 1-1/4	1
18	650494	SCREW/CAP 1/2 X 1	1
19	650549	WASHER/LOCK #10	3
20	650648	NUT/HEX MACHINE SCREW #10	5
21	654022	WASHER/LOCK 1/4	2
22	655001	PIN/COTTER	1
23	656149	SCREW/CAP M6 X 16 MM	2

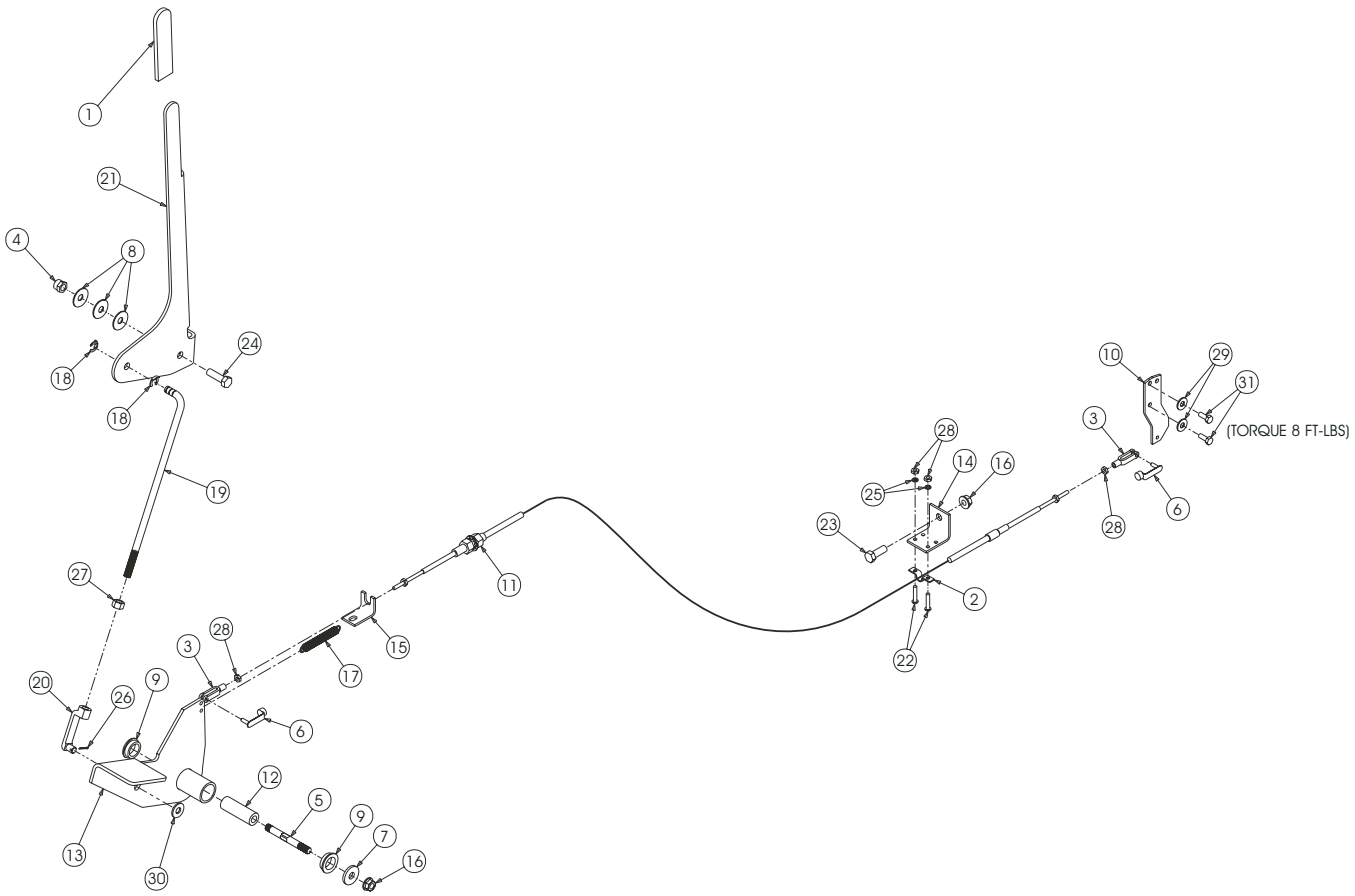
Hand and Foot Controls - 4840, 5640 and 6640 Models



135862_190815

Ref. No.	Part No.	Description	Quantity 48/56/6640 H/F
1	062282	GRIP/FLAT HANDLE	1
2	065163	CLAMP/CABLE	1
3	065164	CLEVIS/ROD END	1
4	067847	NUT/HEX 3/8	1
5	114449	END/ROD #10 FEMALE STUD	1
6	124078	WASHER/BELLEVILLE	3
7	127488	PIN/CLEVIS	1
8	131110	LEVER/THROTTLE	1
9	134853	NUT/SPIRALOCK™ 1/2	1
10	135171	BRACKET/CABLE SUPPORT	1
11	131262	CABLE/THROTTLE CONTROL (4840 ONLY)	1
	135966	CABLE/THROTTLE CONTROL	1
12	186777	LEVER/THROTTLE ASSEMBLY	1
13	650387	SCREW/MACHINE #10 X 1	2
14	650491	SCREW/CAP 3/8 X 1-1/4	1
15	650494	SCREW/CAP 1/2 X 1	1
16	650549	WASHER/LOCK #10	3
17	650648	NUT/HEX MACHINE SCREW #10	5
18	654022	WASHER/LOCK 1/4	2
19	655001	PIN/COTTER	1
20	656149	SCREW/CAP M6 X 16 MM	2

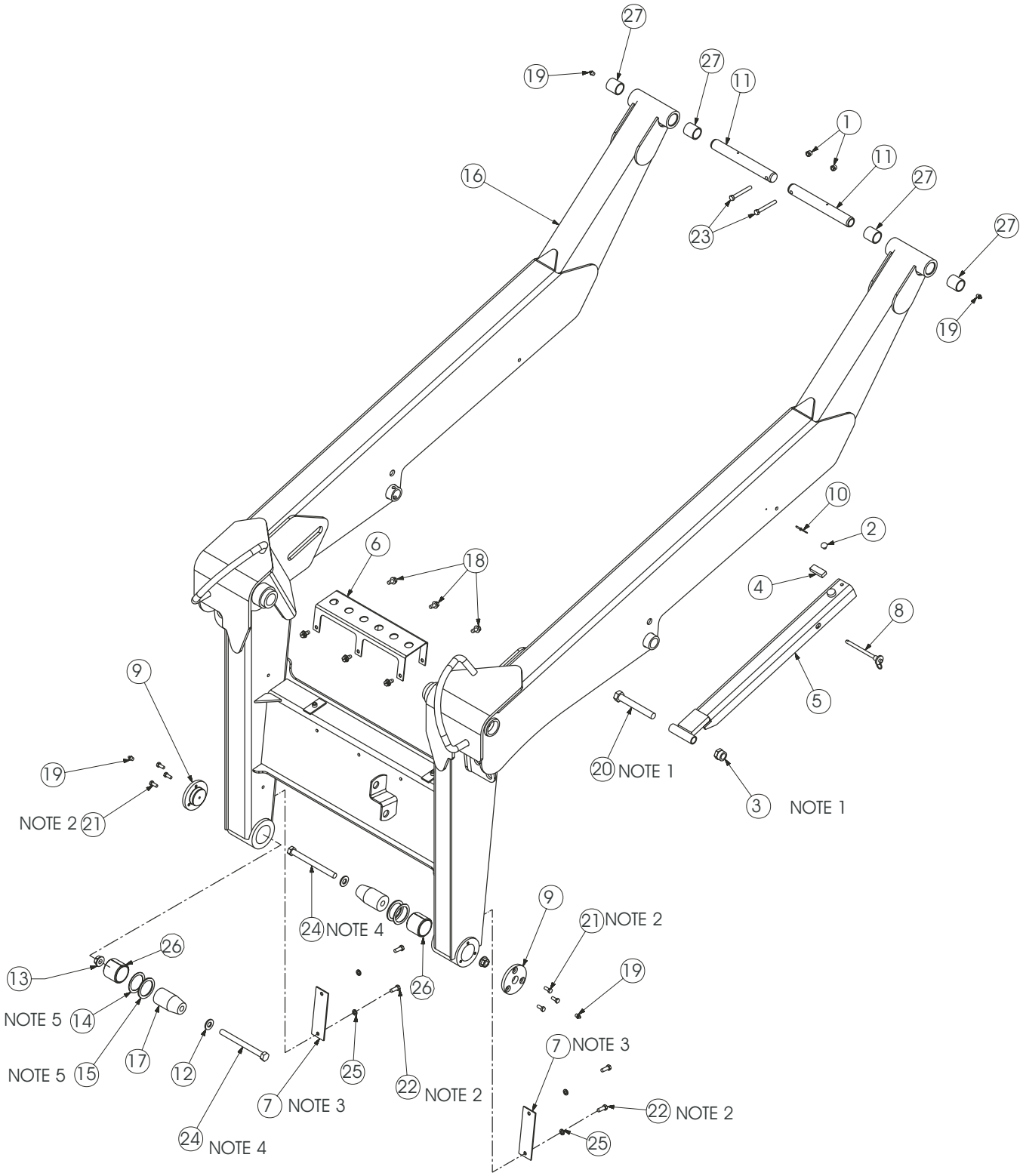
T-Bar/Joystick Control - 4640, 4840, 5640 and 6640 Models



188990_188989_188847

Ref. No.	Part No.	Description	T-Bar/Joystick Quantity 4640	4840	56/6640
1	062282	GRIP/FLAT HANDLE	1	1	1
2	065163	CLAMP/CABLE	1	1	1
3	065164	CLEVIS/ROD END	2	2	2
4	067847	NUT/HEX 3/8	1	1	1
5	072866	STUD	1	1	1
6	079213	PIN/SPRING CLEVIS 3/16	2	2	2
7	088912	WASHER/FLAT 13/32	1	1	1
8	124078	WASHER/BELLEVILLE	3	3	3
9	128316	BUSHING/PIVOT	2	2	2
10	131110	LEVER/THROTTLE	1	1	1
11	131262	CABLE/THROTTLE CONTROL	1	1	-
	135966	CABLE/THROTTLE CONTROL	-	-	1
12	134241	SPACER/PIVOT	1	1	1
13	134243	PEDAL	1	1	-
	135841	PEDAL	-	-	1
14	134398	BRACKET/CABLE SUPPORT	1	-	-
15	134447	CLIP/SPRING	1	1	1
16	134852	NUT/SPIRALOCK™ 3/8	2	1	1
17	135772	SPRING	1	1	1
18	136251	CLIP/RETAINING	2	2	2
19	136475	ROD/CONTROL	1	1	1
20	139108	CLEVIS/HALF 3/8	1	1	1
21	188800	LEVER/THROTTLE	1	1	1
22	650387	SCREW/MACHINE ROUND HEAD #10 X 1	2	2	2
23	650490	SCREW/CAP 3/8 X 1	1	-	-
24	650491	SCREW/CAP 3/8 X 1-1/4	1	1	1
25	650549	WASHER/LOCK #10	2	2	2
26	650551	PIN/COTTER	1	1	1
27	650552	NUT/HEX 3/8	1	1	1
28	650648	NUT/HEX MACHINE SCREW #10	4	4	4
29	654002	WASHER/FLAT 1/4	2	2	2
30	654004	WASHER/FLAT 5/16	1	1	1
31	656149	SCREW/CAP M6 X 16 MM	2	2	2

LIFT ARM



NOTES

1. DO NOT OVERTIGHTEN
2. APPLY LOCTITE 242
3. ADDITIONAL SHIMS MAY BE USED TO INSURE CONTACT BETWEEN SHIMS AND CHASSIS STOP BLOCKS.
4. 220 FT-LBS
5. ADD SHIMS 136765 AND 136766 AS REQUIRED TO ACHIEVE A GAP BETWEEN THE LIFT ARMS AND THE ALL-TACH FROM O.OOO" TO 0.060" WIDE.

140094_139540

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	067847	NUT/HEX 3/8	2	2
2	074860	STEM/RUBBER	1	1
3	079209	NUT/HEX 3/4	1	1
4	087854	PAD/ARM BRACE	1	1
5	131176	ARM/SAFETY	1	1
6	131201	STEP	1	1
7	131443	SHIM	AR	AR
8	131785	PIN/QUICK RELEASE	1	1
9	132088	CAP/GREASE	2	2
10	132289	RIVET/BLIND	1	1
11	188983b	PIN/GREASE-FREE	2	-
	134523a	PIN	2	-
	188056b	PIN/GREASE-FREE	-	2
	135301a	PIN	-	2
12	135773	WASHER/FLAT HARDENED 5/8	2	2
13	136601	NUT/SPIRALOCK 5/8-11	2	2
14	136765	SHIM .06	AR	AR
15	136766	SHIM .13	AR	AR
16	139708	ARM/LIFT	1	-
	139539	ARM/LIFT	-	1
	140540	HANDLE/GRAB	2	2
17	184715d	PIN/ALL-TACH PIVOT	2	2
18	310-32411	SCREW/SELF-TAPPING 3/8 X 3/4	6	6
19	570002	FITTING/GREASE	2	2
20	650483	SCREW/CAP 3/4 X 5-1/2	1	1
21	650486	SCREW/CAP 5/16 X 3/4	6	6
22	650491	SCREW/CAP 3/8 X 1-1/4	4	4
23	650818	SCREW/CAP 3/8 X 3	2	-
	650731	SCREW/CAP 3/8 X 3-1/2	-	2
24	651634d	SCREW/CAP 5/8 X 7	2	2
	651372c	SCREW/CAP 5/8 X 4	2	2
25	654026	WASHER/LOCK 3/8	4	4
26	088101	BUSHING	2	2
27	139734	BUSHING	4	-
	139731	BUSHING	-	4

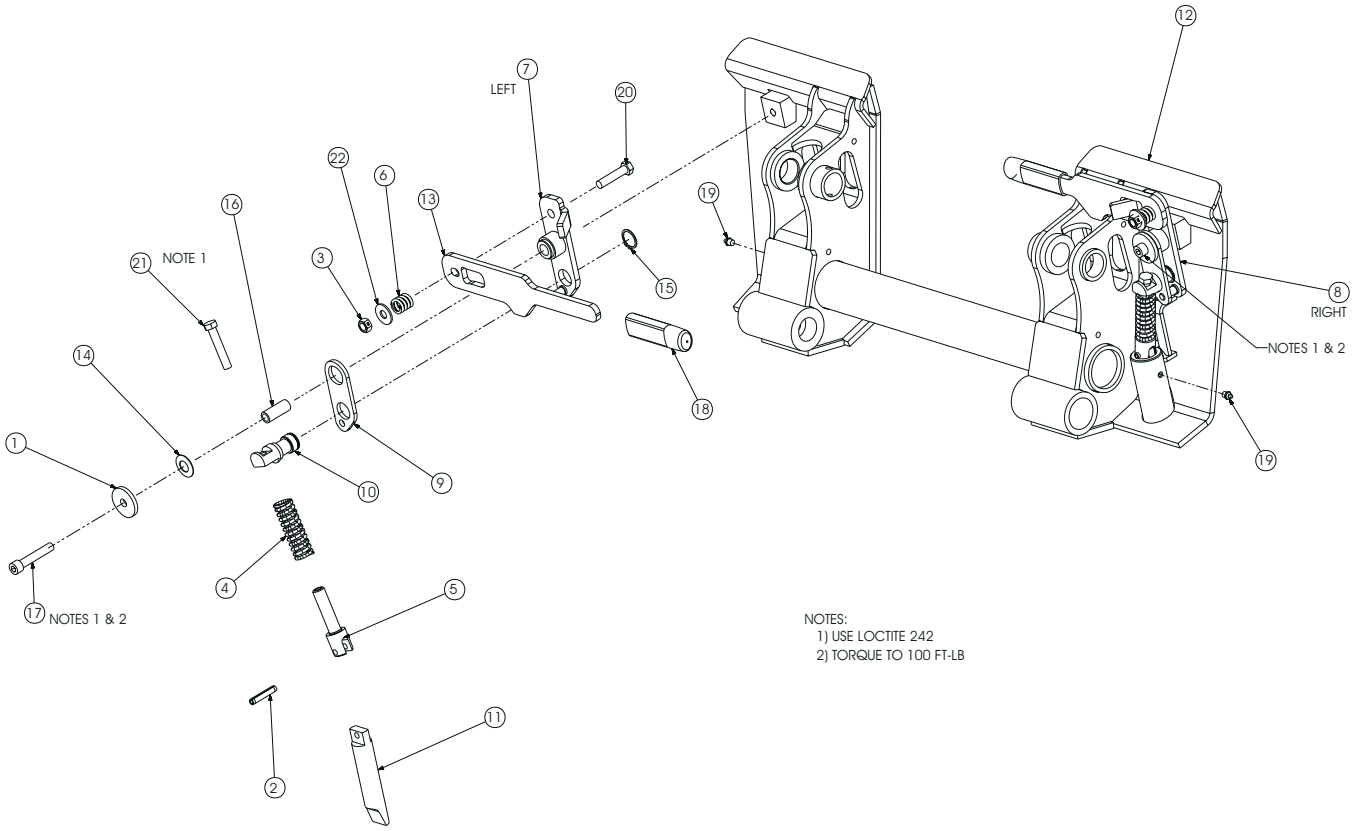
a) Pin that takes a grease zerk (P/N 570002) and requires lubricating grease for maintenance (earlier style).
b) A greaseless pin that requires no grease zerk or lubricating grease for maintenance (newer style).
c) Shorter capscrew used for old-style threaded pin.
d) New through-bolt design of pin replaces all previous versions - Kit 189255 includes reference items #12, 13, 17 and 24.

4640 Models: SN 306305 and Up

4840 Models: SN 406338 and Up

5640 Models: SN 504406 and Up

6640 Models: SN 604233 and Up



184954_184970

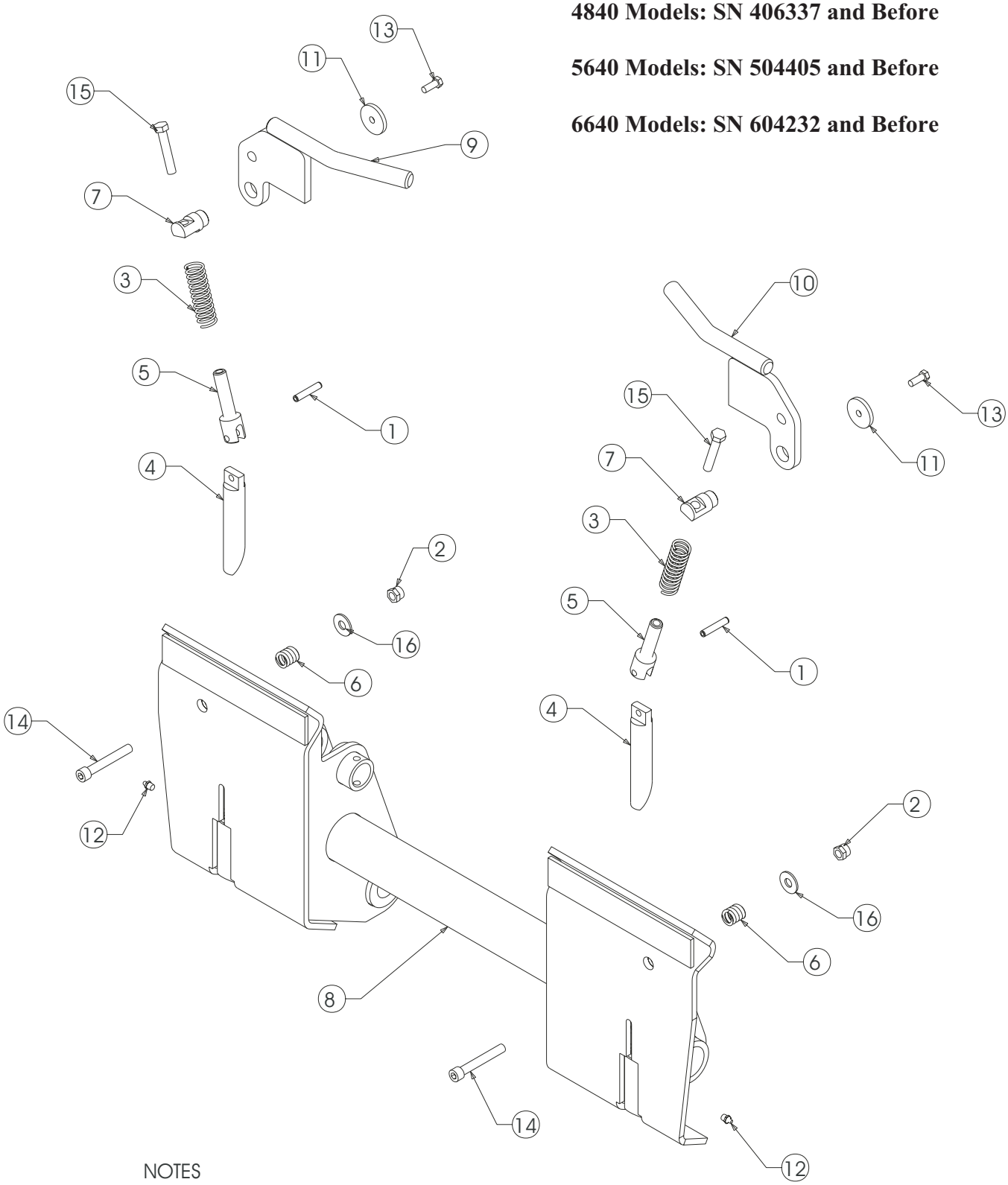
Ref. No.	Part No.	Description	Quantity All-Tach™
1	057557	WASHER/FLAT 17/32	2
2	062756	PIN/SPRING	2
3	071706	NUT/LOCK 1/2	2
4	123554	SPRING/COMPRESSION 4-1/2	2
5	134594	ROD/PUSH	2
6	134707	SPRING/COMPRESSION	2
7	183568	LINK/LATCH LEFT	1
8	183569	LINK/LATCH RIGHT	1
9	183570	PLATE/LATCH LINK	2
10	183574	ADAPTOR/PUSH ROD	2
11	183575	PIN/LATCH	2
12	194948	ASSEMBLY/ALL-TACH™ 4640/4840	1
	183703	WELDMENT/ALL-TACH™ 4640/4840	1
	194949	ASSEMBLY/ALL-TACH™ 5640/6640	1
	183556	WELDMENT/ALL-TACH™ 5640/6640	1
13	184059	HANDLE	2
14	184320	WASHER/BEVEL	2
15	184338	RING/RETAINING	2
16	188862	SPACER	2
17	310-32678	SCREW/CAP SOCKET HEAD 1/2 X 2-3/4	2
18	420-18757	GRIPS	2
19	570002	FITTING/GREASE	2
20	650585	SCREW/CAP 1/2 X 2	2
21	651542	SCREW/CAP 1/2 X 2-3/4	2
22	654009	WASHER/FLAT 1/2	2

4640 Models: SN 306304 and Before

4840 Models: SN 406337 and Before

5640 Models: SN 504405 and Before

6640 Models: SN 604232 and Before



NOTES

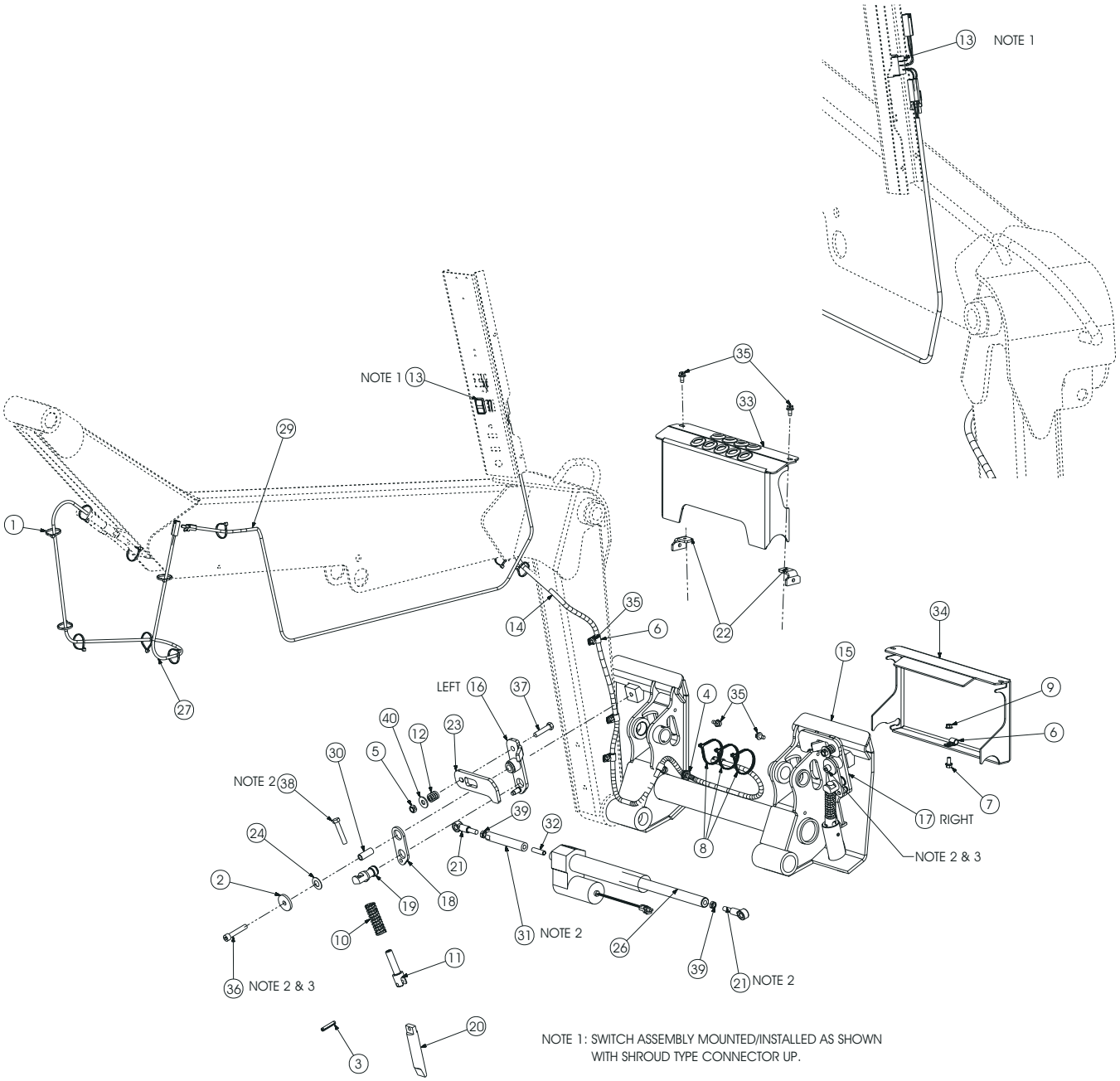
1. WHEN ASSEMBLING TO THE LIFT ARMS ADD SHIMS 136765 AND 136766 AS REQUIRED TO ACHIEVE A GAP BETWEEN THE LIFT ARMS AND THE ALL-TACH FROM O.OOO" TO 0.060" WIDE.

183898

Ref. No.	Part No.	Description	Quantity All-Tach™ 4640/4840	5640/6640
1	062756	PIN/SPRING	2	2
2	068034	NUT/HEX 1/2	2	2
3	123554	SPRING/COMPRESSION 4-1/2	2	2
4	134219	PIN	2	2
5	134594	ROD/PUSH	2	2
6	134707	SPRING/COMPRESSION	2	2
7	134874	ADAPTER/PUSH ROD	2	2
8	REFa	BODY/ALL-TACH™	1	-
	REFa	BODY/ALL-TACH™	-	1
9	136036	HANDLE/RIGHT	1	1
10	136037	HANDLE/LEFT	1	1
11	137214	WASHER/THRUST	2	2
12	570002	FITTING/GREASE	2	2
13	651297	SCREW/CAP 3/8 X 1	2	2
14	651364	SCREW/CAP 1/2 X 4-1/2	2	2
15	651542	SCREW/CAP 1/2 X 2-3/4	2	2
16	654009	WASHER/FLAT 1/2	2	2

a) Parts are no longer sold separately. For 4640/4840 Models, order assembly part number 194948, for 5640/6640 Models order assembly part number 194949.

POWER-A-TACH™ ATTACHMENT BRACKET



NOTE 1: SWITCH ASSEMBLY MOUNTED/INSTALLED AS SHOWN WITH SHROUD TYPE CONNECTOR UP.

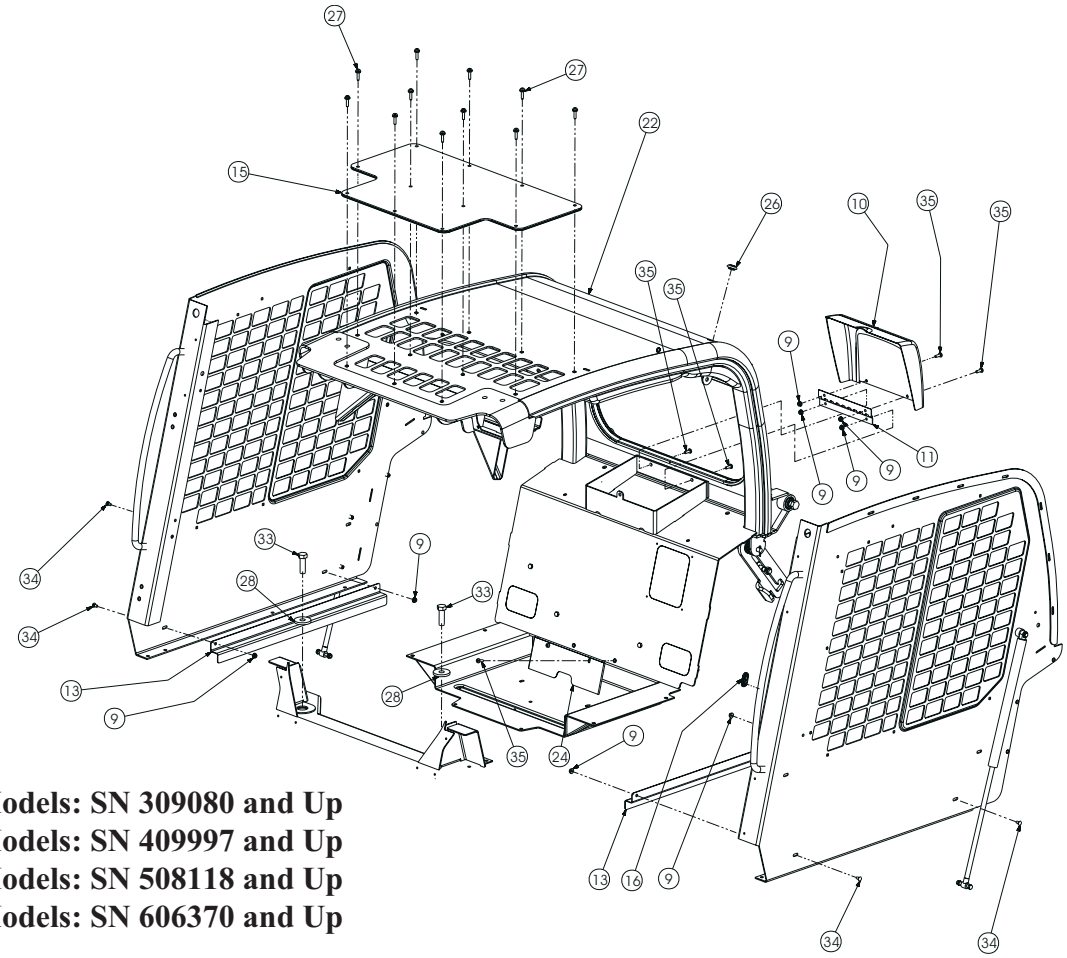
NOTE 2: USE LOCTITE 242

NOTE 3: TORQUE TO 100 FT-LB

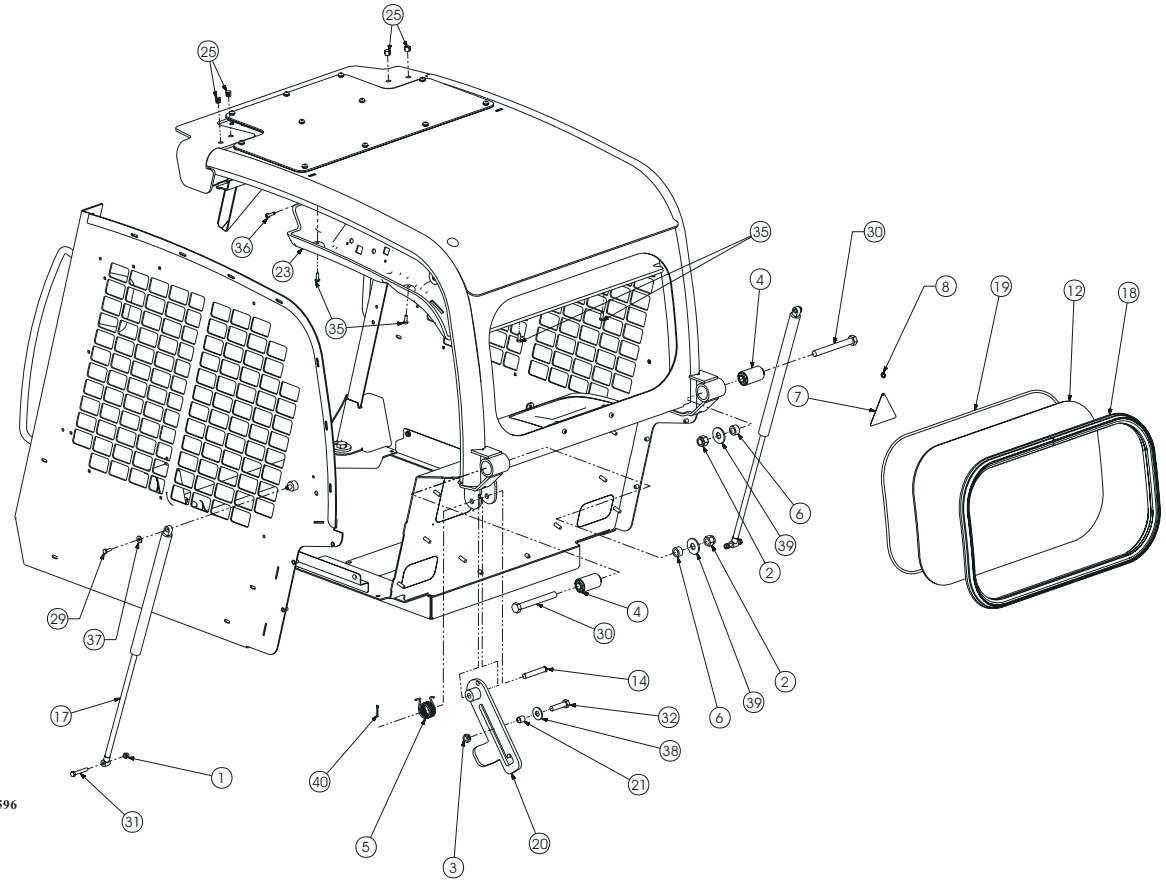
184422_184387

Ref. No.	Part No.	Description	Power-A-Tach™ Quantity
1	055648	TIE/WIRE	14
2	057557	WASHER/FLAT 17/32	2
3	062756	PIN/SPRING	2
4	070636	GROMMET	1
5	071706	NUT/LOCK 1/2	2
6	076147	CLAMP/HOSE	5
7	076588	SCREW/CAP LOCKING 3/8 X 3/4	1
8	088467	TIE/NYLON	3
9	090666	NUT/LOCK FLANGE SERRATED 3/8	1
10	123554	SPRING/COMPRESSION 4-1/2	2
11	134594	ROD/PUSH	2
12	134707	SPRING/COMPRESSION	2
13	138839	SWITCH/ELECTRIC	1
14	138850	HARNESS/POWER-A-TACH™	1
15	183703	WELDMENT/POWER-A-TACH™ 4640/4840	1
	183556	WELDMENT/POWER-A-TACH™ 5640/6640	1
16	183568	LINK/LATCH LEFT	1
17	183569	LINK/LATCH RIGHT	1
18	183570	PLATE/LATCH LINK	2
19	183574	ADAPTOR/PUSH ROD	2
20	183575	PIN/LATCH	2
21	183612	ROD/EXTENSION RIGHT	2
22	184151	BRACKET/COVER SUPPORT	2
23	184319	FLAG	2
24	184320	WASHER/BEVEL	2
26	184393	ACTUATOR	1
27	184442	HARNESS/POWER-A-TACH™	1
29	184522	HARNESS/POWER-A-TACH™	1
30	188862	SPACER	2
31	191721	EXTENSION	1
32	191723	STUD 1/2 X 2	1
33	195036	COVER/BACK	1
34	192224	COVER/FRONT	1
35	310-32411	SCREW/CAP SELF-TAPPING 3/8 X 3/4	8
36	310-32678	SCREW/CAP SOCKET HEAD 1/2 X 2-3/4	2
37	650585	SCREW/CAP 1/2 X 2	2
38	651542	SCREW/CAP 1/2 X 2-3/4	2
39	653045	NUT/JAM HEX 1/2	2
40	654009	WASHER/FLAT 1/2	2

Package Part 192825 replaces 183576 - Left Extension Rod, and includes reference parts # 21, #31, #32 and #39 found left of the actuator (#26).

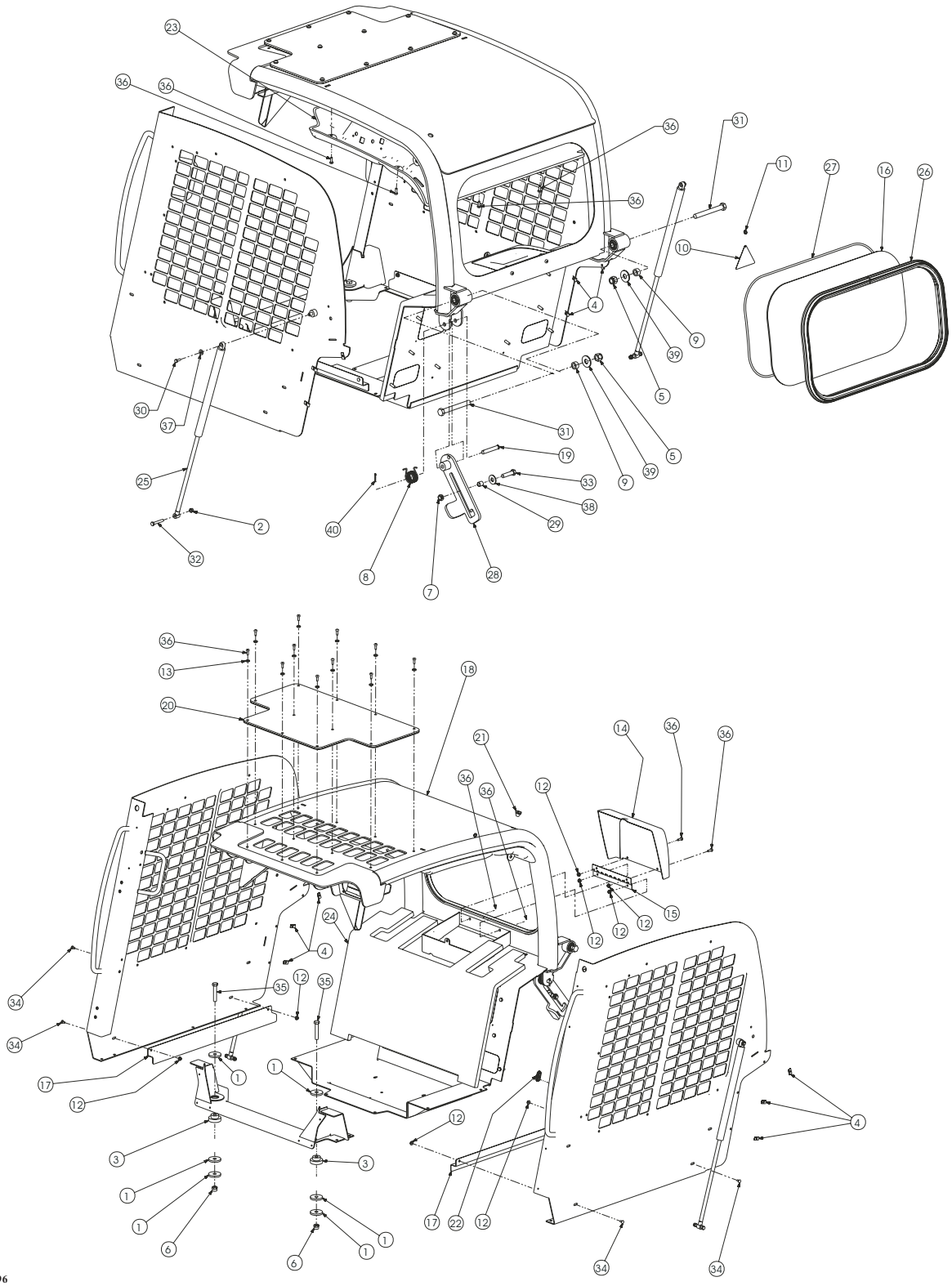


4640 Models: SN 309080 and Up
4840 Models: SN 409997 and Up
5640 Models: SN 508118 and Up
6640 Models: SN 606370 and Up



Ref. No.	Part No.	Description	Quanntity 46/48/56/6640
1	064260	NUT/HEX WHIZLOCK 5/16	2
2	067823	NUT/LOCK NYLON INSERT 5/8	2
3	071706	NUT/LOCK 1/2	1
4	072490	ISOLATOR/ROPS	2
5	077794	SPRING/TORSION	1
6	131945	BUSHING	2
7	132166	TAG/RIP CORD	1
8	132294	RING	1
9	134588	NUT/SPIRALOCK™ 1/4	8
10	137488	COVER/BOOK BOX	1
11	137532	HINGE/PIANO	1
12	139132	WINDOW/REAR STATIONARY	1
13	139505	CHANNEL/WIRE HARNESS	2
14	139987	PIN	1
15	140224	WINDOW/SKYLIGHT	1
16	140369	GROMMET/SLOT HOLE PLUG	1
17	170-35072	SPRING/GAS ASSIST	2
	192087	SPRING/GAS HEAVY DUTY	2
18	183172	WEATHERSTRIP/WINDOW	1
19	183174	RIPCORD/WEATHERSTRIP	1
20	187671	WELDMENT/ROPS SUPPORT	1
21	187678	SPACER/TUBE	1
22	189477	ROPS/FOPS	1
	072490	ISOLATOR/ROPS	2
23	190562	HEADLINER/MOLDED	1
24	191734	COVER/WIRE	1
25	191826	PLUG/HOLE 1/2	4
26	192182	PLUG/RUBBER	1
27	195522	SCREW/SEM 1/4 X 1-1/8	11
28	480-27676	WASHER/FLAT 14/64	2
29	650448	SCREW/CAP 1/4 X 3/4	2
30	650499	SCREW/CAP 5/8 X 5-1/2	2
31	650568	SCREW/CAP 5/16 X 2	2
32	650585	SCREW/CAP 1/2 X 2	1
33	650647	SCREW/CAP 5/8 X 2	2
34	650771	BOLT/CARRIAGE	4
35	651308	SCREW/MACHINE PHILLIPS PAN HEAD 1/4 X 3/4	10
36	651672	SCREW/MACHINE PHILLIPS PAN HEAD 1/4 X 1-1/8	2
37	654002	WASHER/FLAT 1/4	2
38	654009	WASHER/FLAT 1/2	1
39	654012	WASHER/FLAT 5/8	2
40	655006	PIN/COTTER	1

4640 Models: SN 309079 and Before
4840 Models: SN 409996 and Before
5640 Models: SN 508117 and Before
6640 Models: SN 606369 and Before

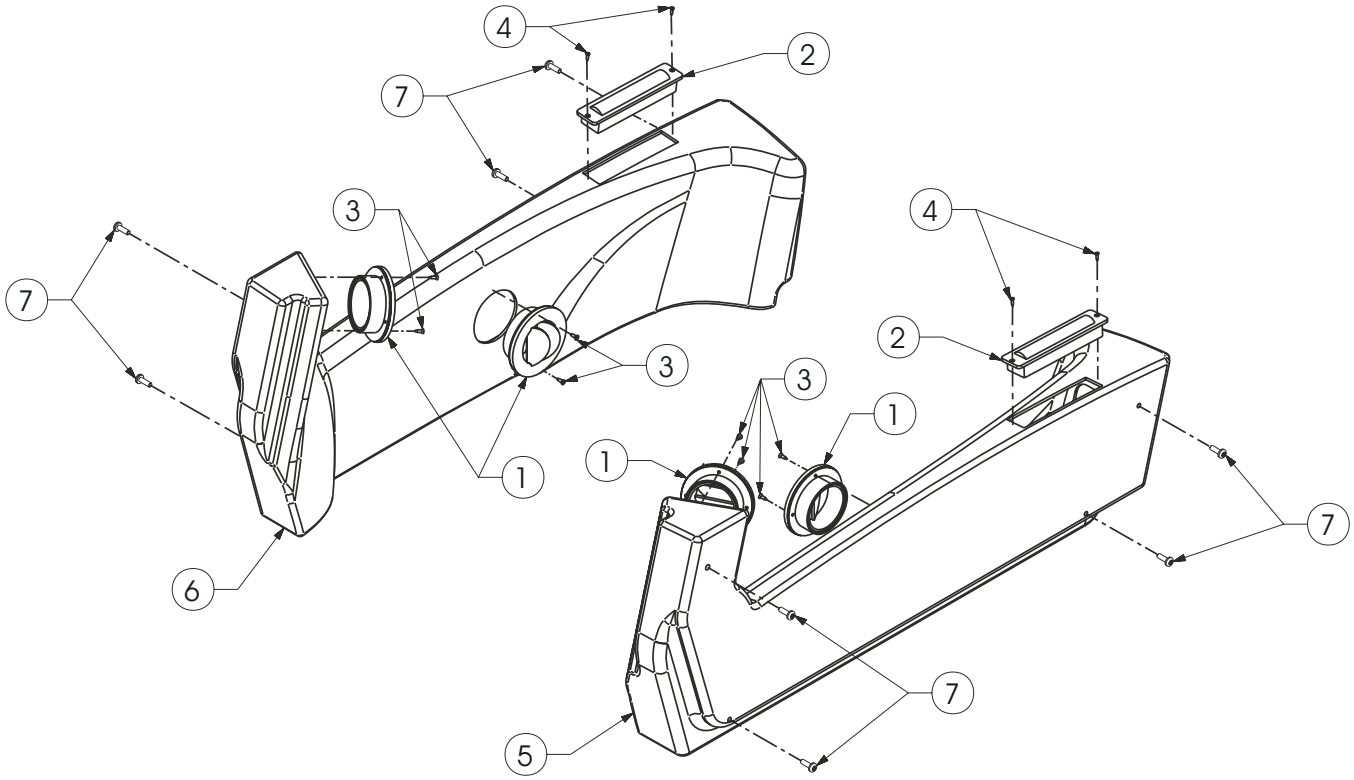


Ref. No.	Part No.	Description	Quantity 46/48/56/6640 (A)	Quantity 46/48/56/6640 (B)
1	057557	WASHER/FLAT 17/32	6	-
	480-27676	WASHER/FLAT 41/64	-	2
2	064260	NUT/HEX 5/16	2	2
3	064543	MOUNTING/ISOLATOR	2	-
4	067750	NUT/SPEED	6	6
5	067823	NUT/LOCK NYLON INSERT 5/8	2	2
6	068034	NUT/HEX 1/2	2	-
7	071706	NUT/LOCK 1/2	1	1
8	077794	SPRING/TORSION	1	1
9	131945	BUSHING	2	2
10	132166	TAG/RIP CORD	1	1
11	132294	RING	1	1
12	134588	NUT/SPIRALOCK™ 1/4	8	8
13	137462	WASHER/SEALING 1/4	11	11
14	137488	COVER/BOOK BOX	1	1
15	137532	HINGE/PIANO	1	1
16	139132	WINDOW/REAR STATIONARY	1	1
17	139505	CHANNEL/WIRE HARNESS	2	2
18	189477	ROPS	1	1
	072490	ISOLATOR/ROPS	2	2
19	139987	PIN	1	1
20	140224	WINDOW/SKYLIGHT	1	1
21	192182	PLUG/RUBBER	1	1
22	140369	GROMMET/SLOT HOLE PLUG	1	1
23	140605	HEADLINER/MOLDED	1	-
	190562	HEADLINER/MOLDED	-	1
24	140939	PAD FOAM/REAR DECK	1	-
25	170-35072	SPRING/GAS ASSIST	2	2
	192087	SPRING/GAS HEAVY DUTY	2	2
26	183172	WEATHERSTRIP/WINDOW	1	1
27	183174	RIPCORD/WEATHERSTRIP	1	1
28	187671	WELDMENT/ROPS SUPPORT	1	1
29	187678	SPACER/TUBE	1	1
30	650448	SCREW/CAP 1/4 X 3/4	2	2
31	650499	SCREW/CAP 5/8 X 5-1/2	2	2
32	650568	SCREW/CAP 5/16 X 2	2	2
33	650585	SCREW/CAP 1/2 X 2	1	1
34	650771	BOLT/CARRIAGE	4	4
35	650850	SCREW/CAP 1/2 X 2-3/4	2	-
	650647	SCREW/CAP 5/8 X 2	-	2
36	651308	SCREW/PHILLIPS ROUND HEAD 1/4 X 3/4	21	21
37	654002	WASHER/FLAT 1/4	2	2
38	654009	WASHER/FLAT 1/2	1	1
39	654012	WASHER/FLAT 5/8	2	2
40	655006	PIN/COTTER	1	1

A) 4640: SN 307900 and Before. 4840: SN 408500 and Before. 5640: SN 506600 and Before. 6640: SN 605500 and Before

B) 4640: SN 307901 - 309079. 4840: SN 408501 - 409996. 5640: SN 506601 - 508117. 6640: SN 605501 - 606369.

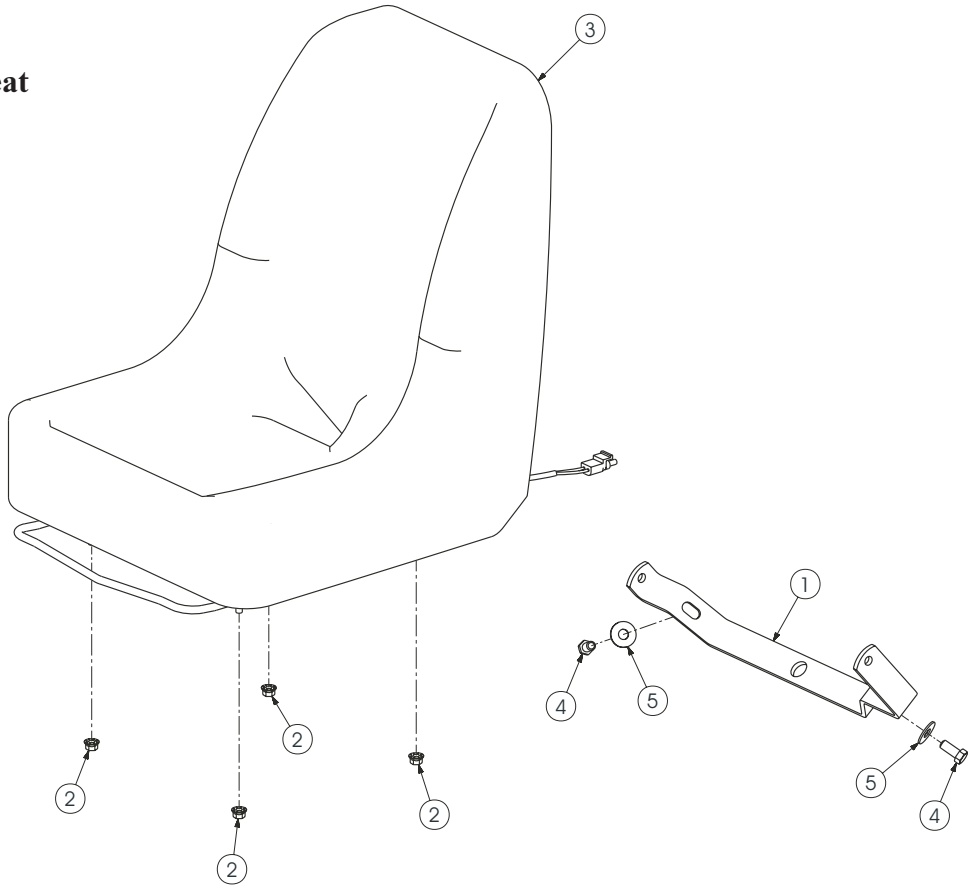
Duct Work



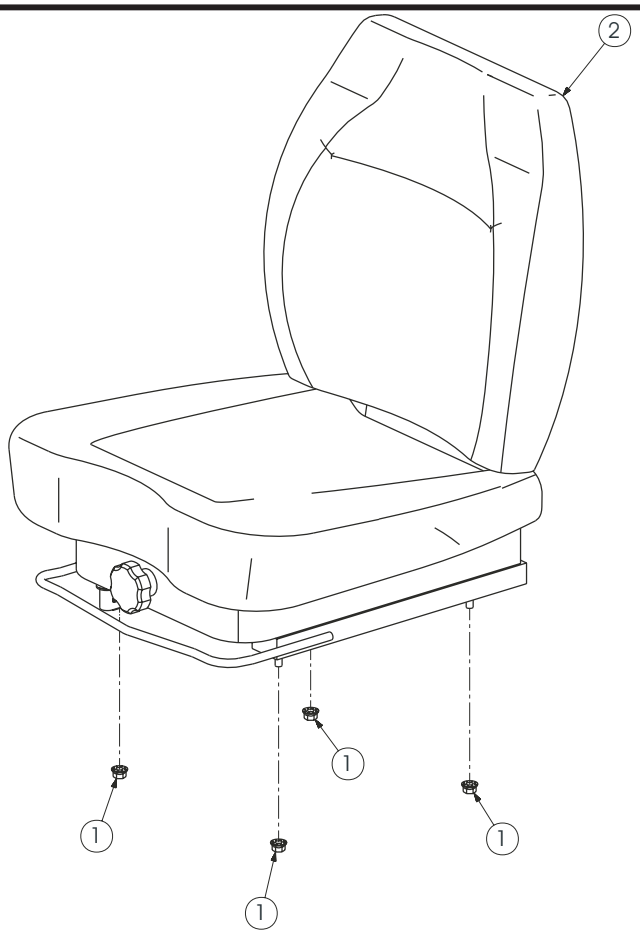
184490

Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	137502	LOUVER/ROUND 3"	4
2	137503	LOUVER/ROLL NOZZLE	2
3	137821	SCREW/PHILLIPS FLAT-HEAD #6 X 1/2	8
4	137822	SCREW/PHILLIPS FLAT-HEAD #4 X 1/2	4
5	183085	AIR DUCT/LEFT	1
6	183086	AIR DUCT/RIGHT	1
7	651308	SCREW/PHILLIPS ROUND-HEAD 1/4 X 3/4	8

Standard Seat



Suspension Seat

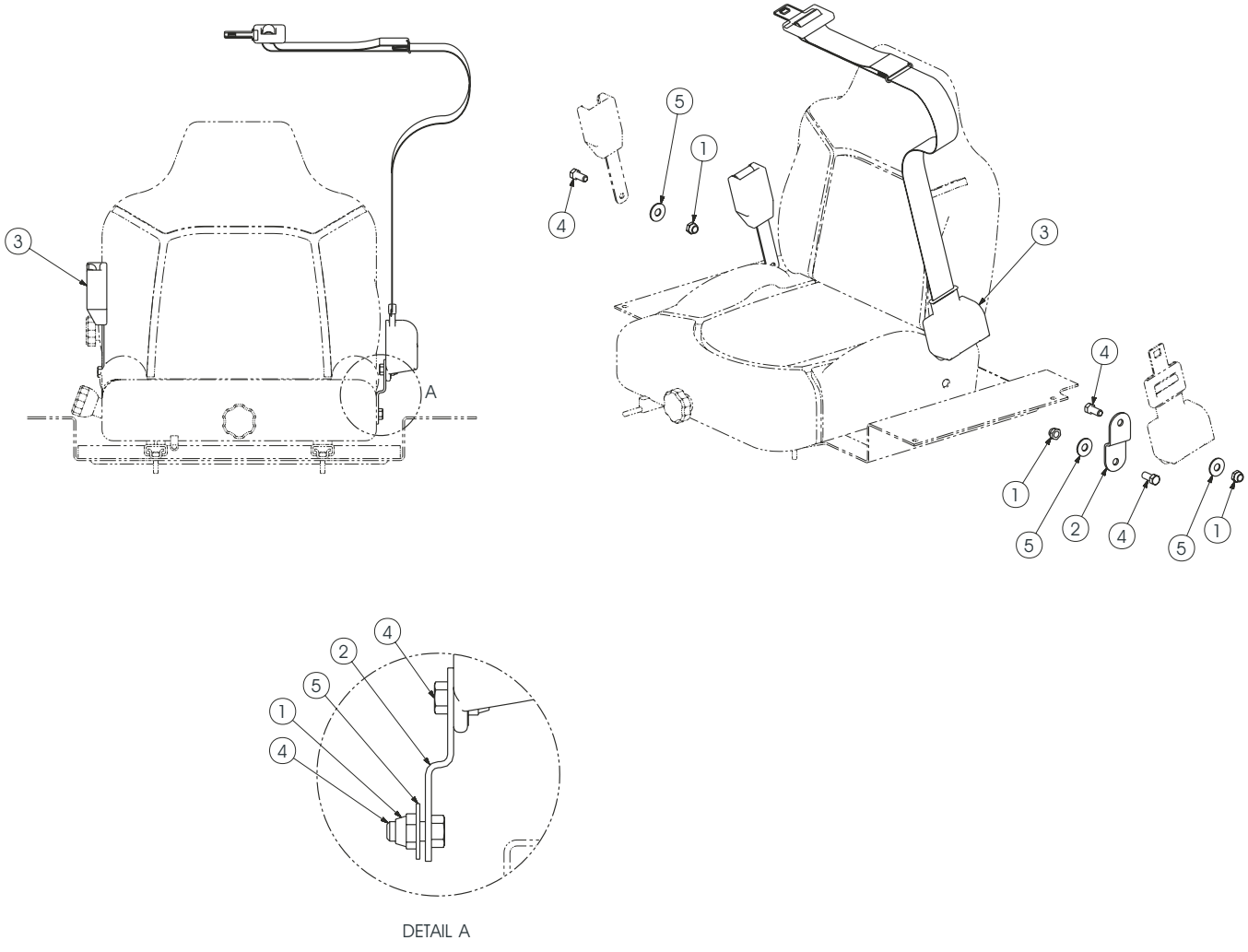


183056 and 183057

Ref. No.	Part No.	Description	Quantity Standard Seat
1	184892	BRACKET/SEAT BELT	1
2	137836	NUT/HEX WHIZLOCK M8	4
3	184017	SEAT/STANDARD	1
	184034	SWITCH/SEAT STANDARD	1
	184036	RAIL/SLIDE (SET)	1
4	650630	SCREW/CAP 7/16 X 1	2
5	654046	WASHER/FLAT 7/16	2

Ref. No.	Part No.	Description	Quantity Suspension Seat
1	137836	NUT/HEX WHIZLOCK M8	4
2	184016	SEAT/SUSPENSION	1
	184022	SWITCH/SEAT SUSPENSION	1
	184036	RAIL/SLIDE (SET)	1

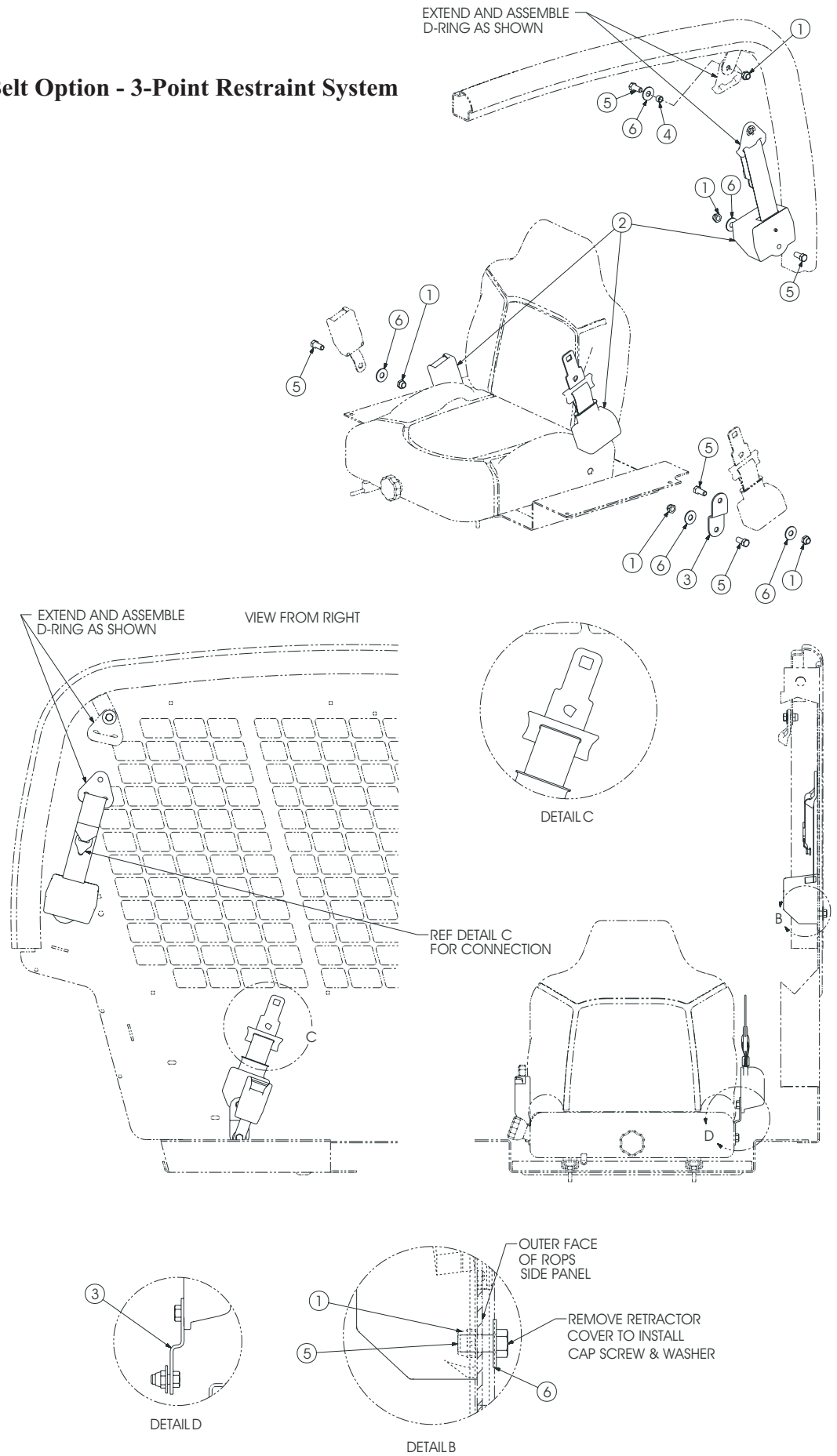
Seat Belt Option



183287_289

Ref. No.	Part No.	Description	Quantity 2" Seat Belt	Quantity 3" Seat Belt
1	081371	NUT/HEX LOCK 7/16	3	3
2	184007	TAB/RETRACTOR MOUNT	1	1
3	420-36086	ASSEMBLY/ SEAT BELT 2"	1	-
	420-36087	ASSEMBLY/SEAT BELT 3"	-	1
4	650630	SCREW/CAP 7/16 X 1	3	3
5	654046	WASHER/FLAT 7/16	3	3

Seat Belt Option - 3-Point Restraint System



Ref. No.	Part No.	Description	3-Point Restraint System Quantity 2" Seat Belt	3-Point Restraint System Quantity 3" Seat Belt
1	081371	NUT/HEX LOCK 7/16	5	5
2	139340a	RESTRAINT ASSEMBLY/3-POINT	1	-
	139341a	RESTRAINT ASSEMBLY/3-POINT	-	1
3	184007	TAB/RETRACTOR MOUNT	1	1
4	186834	SPACER	1	1
5	650630	SCREW/CAP 7/16 X 1	5	5
6	654046	WASHER/FLAT 7/16	5	5

a) Restraint assembly includes all associated hardware, except PN 184007.

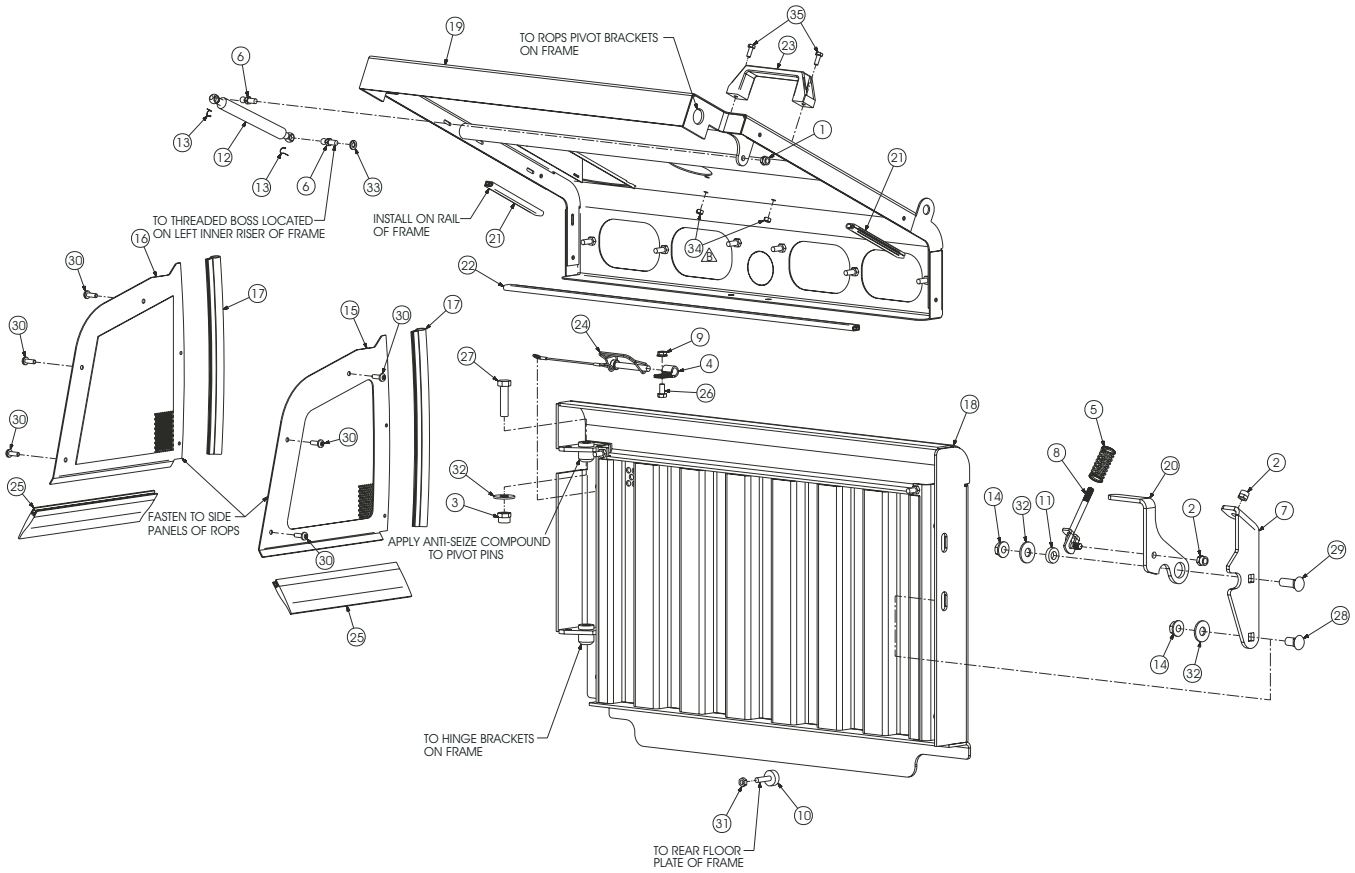
RESTRAINT BAR



140672

Ref. No.	Part No.	Description	Quantity Restraint Bar
1	067950	RING/EXTERNAL RETAINING	6
2	070648	NUT/HEX WHIZLOCK 5/16	2
3	078942	SPRING/COMPRESSION	2
4	193157	MAGNET/SWITCH ACTUATOR	1
5	193156	SWITCH/PROXIMITY	1
6	128316	BEARING/SINTERED BRONZE	12
7	131913	BUMPER	2
8	137035	PIN/PIVOT	2
9	137036	PIVOT/GROOVED PIN	2
10	137043	ROD/SPRING GUIDE	2
11	137061	NUT/HEX NYLON INSERT #4	4
12	137337	CLIP/RETAINING	6
13	192450	BAR/RESTRAINT	1
14	139009	BRACKET/PIVOT	1
15	139010	BRACKET/PIVOT	1
16	139013	BRACKET/PIVOT	1
17	139014	BRACKET/PIVOT	1
18	183121	COVER/RESTRAINT BAR RIGHT	1
19	183122	COVER/RESTRAINT BAR LEFT	1
20	650487	SCREW/CAP 5/16 X 1	4
21	650573	BOLT/CARRIAGE 5/16 X 1	2
22	651308	SCREW/PHILLIPS PAN HEAD 1/4 X 3/4	2
23	651529	WASHER/FLAT #4	4
24	653034	NUT/JAM HEX 5/16	2
25	654002	WASHER/FLAT 1/4	2
26	654004	WASHER/FLAT 5/16	2
27	654049	WASHER/FLAT 3/8	4

GRILLE AND ENGINE COVERS



140561_140562_140563_140564

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
1	064260	NUT/LOCK 5/16	1	1
2	067847	NUT/LOCK 3/8	2	2
3	068034	NUT/LOCK 1/2	1	1
4	076147a	CLAMP/HOSE	1	1
5	114665	SPRING/COMPRESSION	1	1
6	122485	STUD/BALL	2	2
7	131797	MOUNT/LATCH	1	1
8	131799	ROD ASSEMBLY/LATCH	1	1
9	131842a	NUT/SPIRALOCK™ 5/16	1	1
10	131913	BUMPER	1	1
11	131940	BUSHING	1	1
12	132293	SPRING/GAS	1	-
	191977	SPRING/GAS	-	1
13	132493	CLIP/GAS SPRING	2	2
14	134853	NUT/SPIRALOCK™ 1/2	2	2
15	140152	COVER/LEFT	1	-
	139851	COVER/LEFT	-	1
16	140153	COVER/RIGHT	1	-
	139852	COVER/RIGHT	-	1
17	140282	SEAL/BULB	2	2
18	140593	GRILLE/REAR	1	1
19	140653	COVER/ENGINE 4640	1	-
	140662	COVER/ENGINE 4840	1	-
	140665	COVER/ENGINE 5640	-	1
	140652	COVER/ENGINE 6640	-	1
20	140902	LATCH	1	1
21	140931	STRIP/TRIM	2	2
22	140932	STRIP/TRIM	1	1
23	183780	HANDLE/GRAB	1	1
24	184664	PIN/LOCK	1	1
25	184668	SEAL/EDGE	2	2
26	650485a	SCREW/CAP 5/16 X 5/8	1	1
27	650585	SCREW/CAP 1/2 X 2	1	1
28	650811	BOLT/CARRIAGE 1/2 X 1	1	1
29	650834	BOLT/CARRIAGE 1/2 X 1-1/2	1	1
30	651308	SCREW/PHILLIPS PAN HEAD 1/4 X 3/4	6	6
31	653034	NUT/JAM HEX 5/16	1	1
32	654009	WASHER/FLAT 1/2	3	3
33	654024	WASHER/LOCK 5/16	1	1
34	656047	NUT/HEX M6	2	2
35	656149	SCREW/CAP M6 X 16 MM	2	2

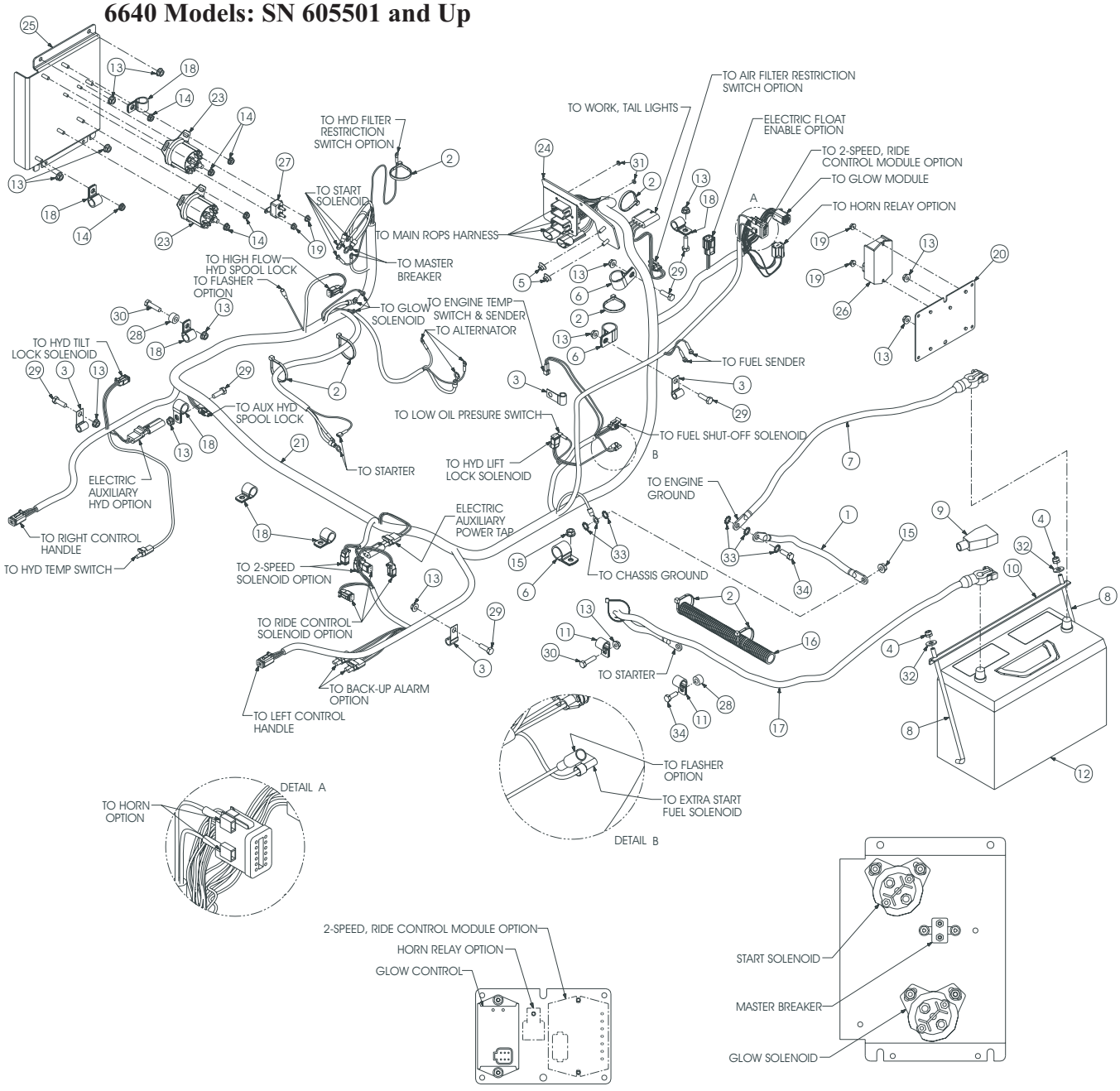
a) Parts no longer used to store the lock pin, Ref. # 24. Lock pin storage location is on lower pivot of the rear grille.

4640 Models: SN 307901 and Up

4840 Models: SN 408501 and Up

5640 Models: SN 506601 and Up

6640 Models: SN 605501 and Up



189743_190490

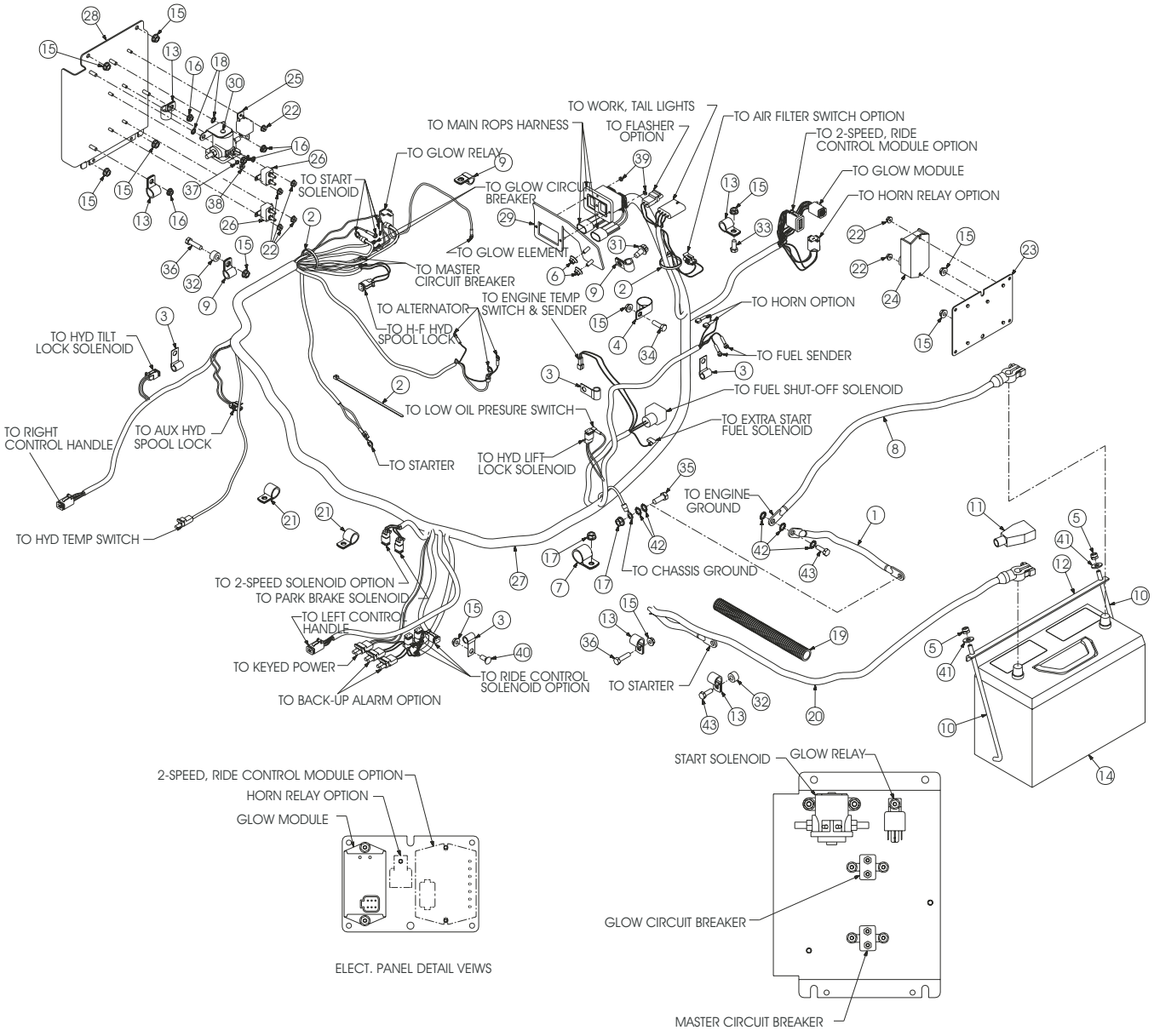
Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	054985	CABLE/BATTERY	1
2	055648	TIE/WIRE	8
3	058615	CLAMP	4
4	064260	NUT/HEX 5/16	2
5	070634	NUT/SERRATED LOCK 1/4	2
6	073535	CLAMP/TUBE	3
7	075028	CABLE/BATTERY	1
8	077685	ROD/BATTERY HOLDDOWN	2
9	081433	COVER/TERMINAL	1
10	122447	ANGLE/BATTERY HOLDDOWN	1
11	128007	CLAMP/TUBE	2
12	REF	BATTERY 12 VDC, 950 CCA, GROUP 31, 170 RESERVE	1
13	131842	NUT/SPIRALOCK™ 5/16	14
14	134588	NUT/SPIRALOCK™ 1/4	6
15	134852	NUT/SPIRALOCK™ 3/8	2
16	136204	CONDUIT/BATTERY CABLE	1
17	136205	CABLE/BATTERY (POSITIVE)	1
18	136226	CLAMP/TUBE	7
19	137797	NUT/SERRATED FLANGE #10	4
20	140703	PLATE ASSEMBLY/MODULE MOUNT	1
21	190491	HARNESS/CHASSIS 4640/4840	1
	186299	HARNESS/CHASSIS 5640/6640	1
23	187402	SOLENOID/START	2
24	187600	BRACKET/HARNESS	1
25	189558	BRACKET/ENGINE ELECTRICAL	1
26	191450	MODULE/AUTO GLOW CONTROL	1
27	190179	BREAKER/CIRCUIT 50 A	1
28	480-32362	BUSHING	2
29	650487	SCREW/CAP 5/16 X 1	6
30	650545	SCREW/CAP 5/16 X 1-1/4	2
31	650658	NUT/HEX MACHINE SCREW #6	4
32	654004	WASHER/FLAT 5/16	2
33	654042	WASHER/LOCK EXTERNAL TOOTH 3/8	5
34	656105	SCREW/CAP M8 X 25 MM	2

4640 Models: SN 307900 and Before

4840 Models: SN 408500 and Before

5640 Models: SN 506600 and Before

6640 Models: SN 605500 and Before

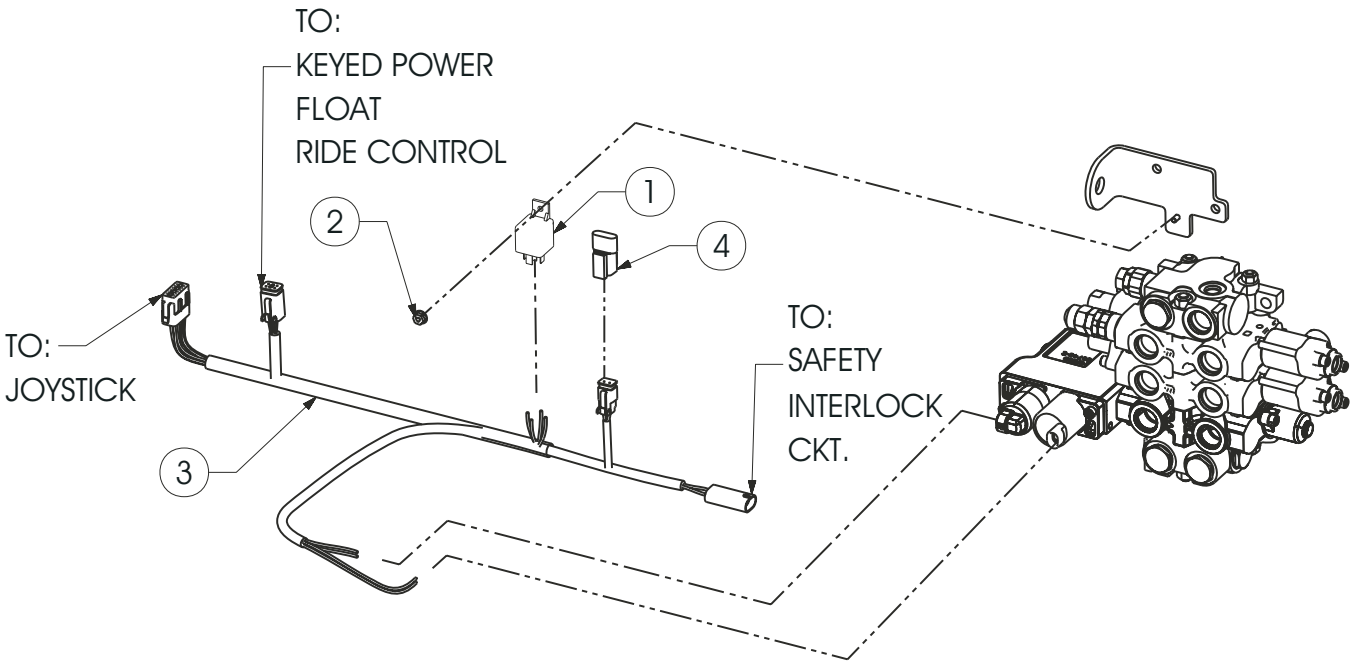


ELECT. PANEL DETAIL VEIWS

184166

Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	054985	CABLE/BATTERY	1
2	055648	TIE/WIRE	1
3	058615	CLAMP	4
4	058805	CLAMP/HOSE	1
5	064260	NUT/HEX 5/16	2
6	070634	NUT/SERRATED LOCK 1/4	2
7	073535	CLAMP/TUBE	1
8	075028	CABLE/BATTERY	1
9	076147	CLAMP/HOSE	3
10	077685	ROD/BATTERY HOLDDOWN	2
11	081433	COVER/TERMINAL	1
12	122447	ANGLE/BATTERY HOLDDOWN	1
13	128007	CLAMP/TUBE	5
14	REF	BATTERY 12 VDC, 950 CCA, GROUP 31, 170 RESERVE	1
15	131842	NUT/SPIRALOCK™ 5/16	11
16	134588	NUT/SPIRALOCK™ 1/4	4
17	134852	NUT/SPIRALOCK™ 3/8	2
18	135432	WASHER/LOCK EXTERNAL TOOTH 1/4	2
19	136204	CONDUIT/BATTERY CABLE	1
20	136205	CABLE/BATTERY (POSITIVE)	1
21	136226	CLAMP/TUBE	3
22	137797	NUT/SERRATED FLANGE #10	7
23	140703	PLATE ASSEMBLY/MODULE MOUNT	1
24	191450	MODULE/AUTO GLOW CONTROL	1
25	183429	RELAY	1
26	190179	BREAKER/CIRCUIT 50 A	2
27	184044	HARNESS/CHASSIS	1
28	184901	BRACKET/ENGINE ELECTRICS	1
29	187611	ASSY/HARNESS BRACKET	1
30	188087	SOLENOID/STARTER RELAY	1
31	310-32411	SCREW/CAP SELF-TAPPING 3/8 X 3/4	1
32	480-32362	BUSHING	2
33	650486	SCREW/CAP 5/16 X 3/4	1
34	650487	SCREW/CAP 5/16 X 1	1
35	650490	SCREW/CAP 3/8 X 1	1
36	650545	SCREW/CAP 5/16 X 1-1/4	4
37	650549	WASHER/LOCK	2
38	650648	NUT/HEX	2
39	650658	NUT/HEX MACHINE SCREW #6	2
40	650687	BOLT/CARRIAGE 5/16 X 3/4	1
41	654004	WASHER/FLAT 5/16	2
42	654042	WASHER/LOCK EXTERNAL TOOTH 3/8	5
43	656105	SCREW/CAP M8 X 25 MM	1
44	189845	CABLE/PREHEATER 4 CYLINDER (NOT SHOWN)	1
	189847	CABLE/PREHEATER 3 CYLINDER (NOT SHOWN)	1

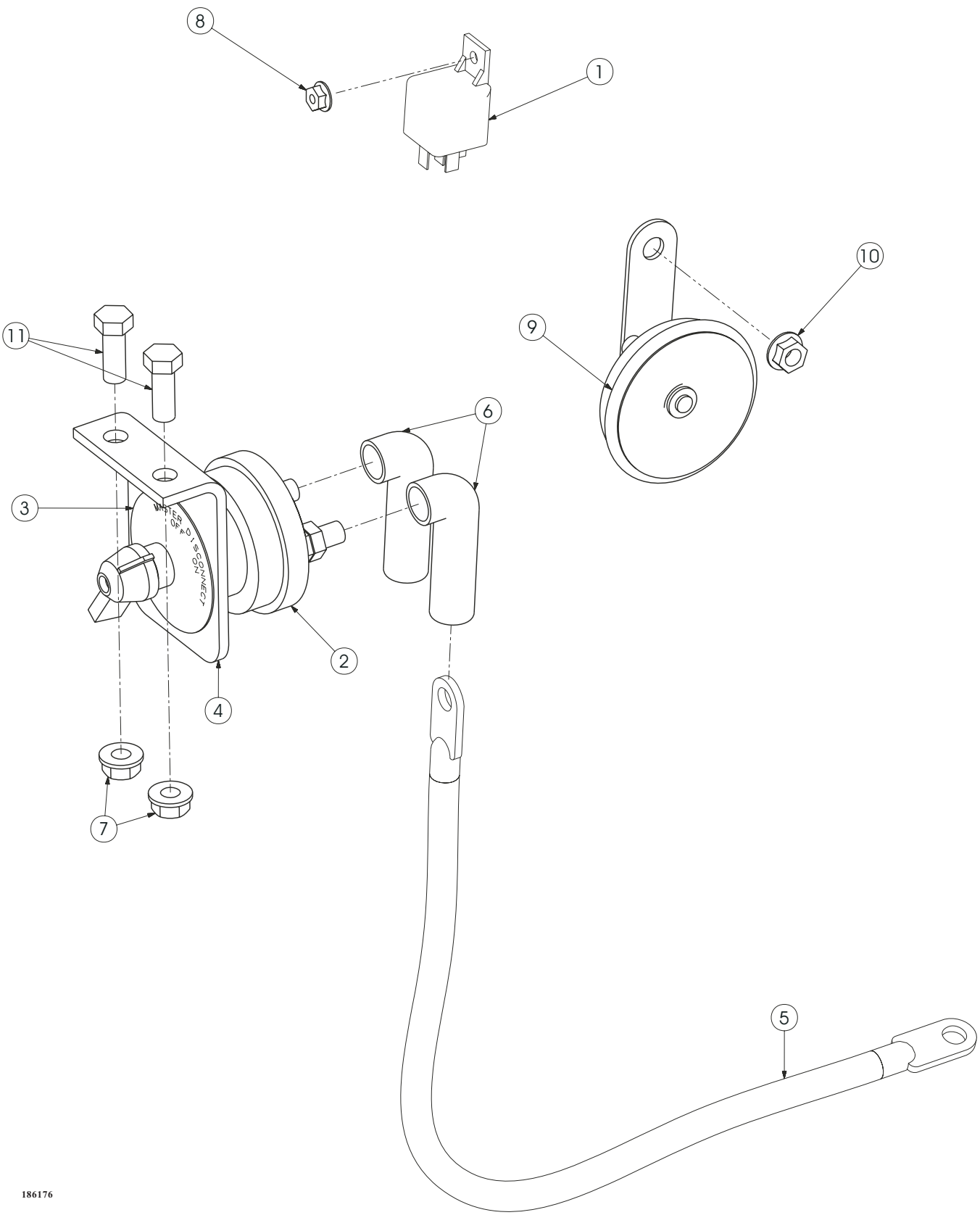
Electrical Auxiliary Harness Assembly - Joystick Controls



190844

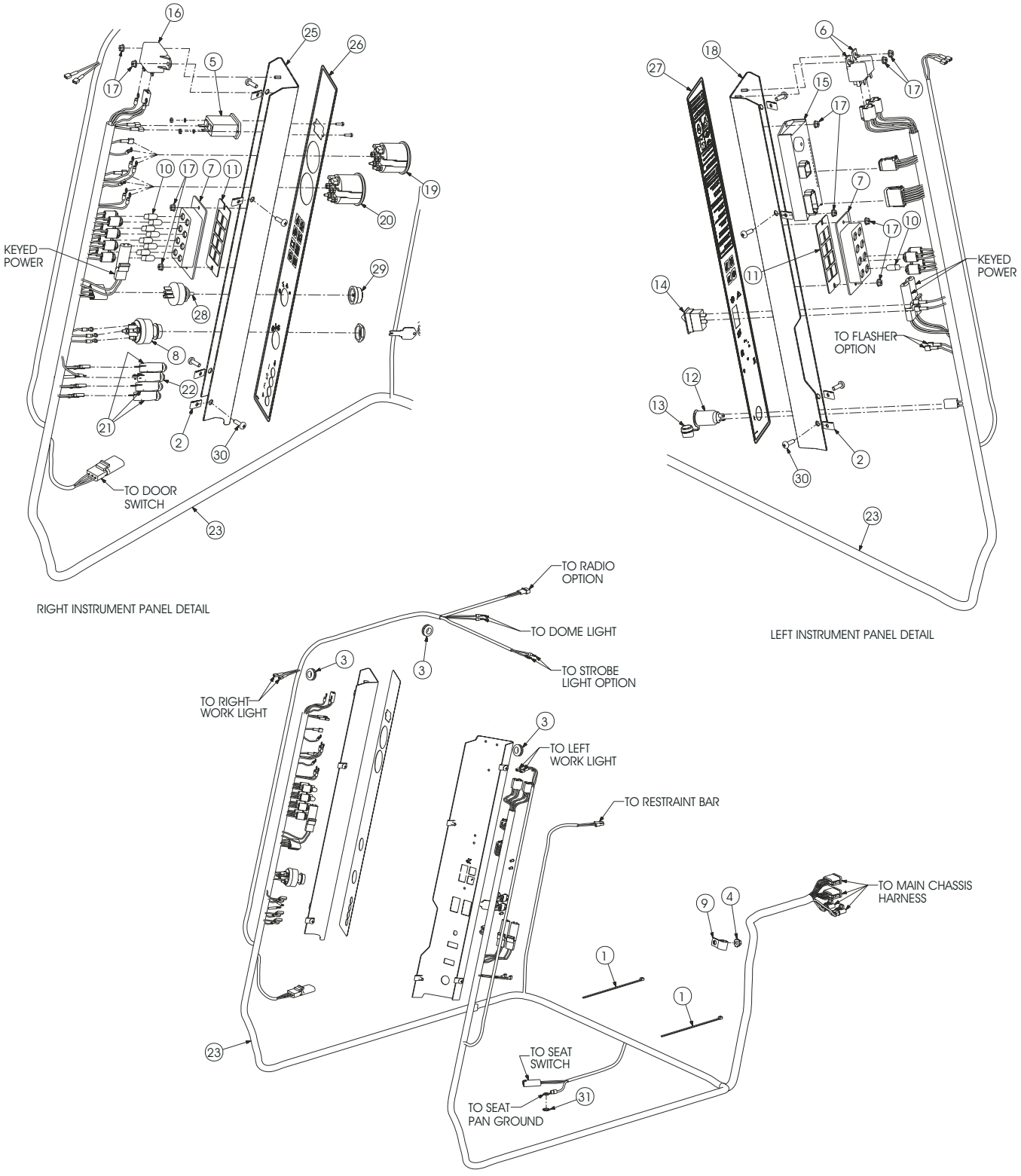
Ref. No.	Part No.	Description	Quantity
1	076058	RELAY/ISO SPDT	1
2	137797	NUT/SERRATED FLANGE #10	1
3	190680	HARNESS	1
4	190849	DIODE	1

Electrical Section / EU



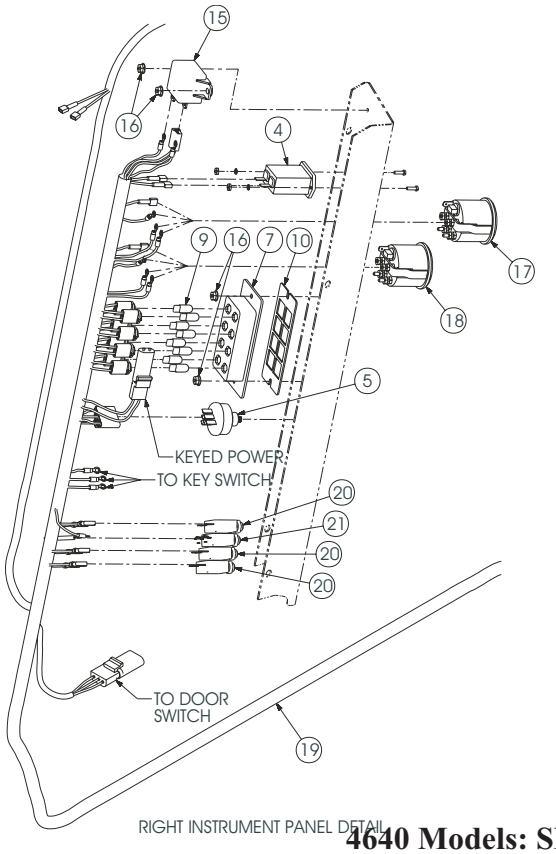
Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	076058	RELAY/ISO SPDT	1
2	091666	SWITCH/DISCONNECT	1
3	091667	PLATE/FACE	1
4	129363	PLATE/SWITCH MOUNT	1
5	129385	CABLE/BATTERY	1
6	129419	BOOT/INSULATOR	2
7	134852	NUT/SPIRALOCK™ 3/8	2
8	137797	NUT/SERRATED FLANGE #10	1
9	183814	HORN/WARNING	1
10	210-19470	NUT/LOCK FLANGE 5/16	1
11	650490	SCREW/CAP 3/8 X 1	2

4640 Models: SN 307901 and Up
4840 Models: SN 408501 and Up
5640 Models: SN 506601 and Up
6640 Models: SN 605501 and Up

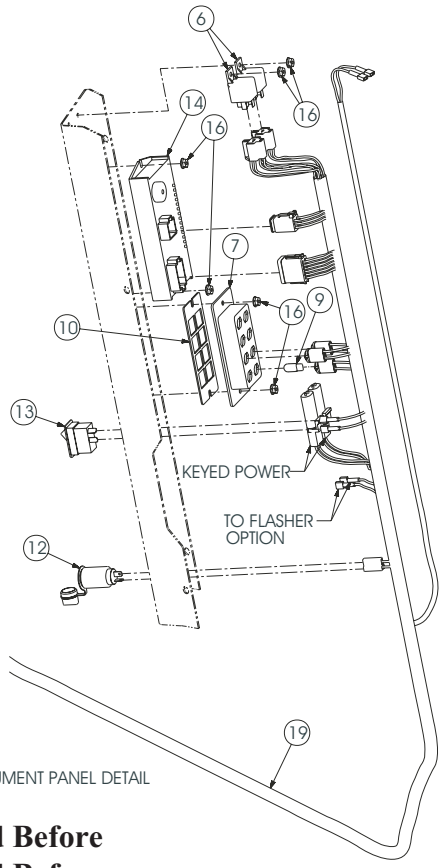


Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	055648	TIE/WIRE	2
2	067750	NUT/SPEED	8
3	192601	GROMMET	3
4	070648	NUT/LOCK FLANGED 5/16	1
5	072340	HOURMETER	1
6	076058	RELAY SPDT	2
7	088040	HOUSING/DISPLAY	2
8	090-32025	SWITCH/IGNITION	1
	073694	KEY (SET OF 2)	1
	131050	TAG/KEY	1
9	128007	CLAMP/TUBE	1
10	128738	BULB/LAMP	9
11	130064	GASKET/LAMP HOUSING	2
12	137602	CONNECTOR 12 V POWER PORT	1
13	137603	COVER 12 V POWER PORT	1
14	137749	SWITCH/PARKING BRAKE	1
15	137753	MODULE/CONTROL INTERLOCK	1
16	137795	RELAY/POWER	1
17	137797	NUT/SERRATED FLANGED	10
18	140832	PANEL/INSTRUMENT LEFT	1
19	183634a	GAUGE/FUEL LEVEL	1
20	183644	GAUGE/ENGINE TEMP/OIL	1
21	184019	BREAKER/CIRCUIT 20 A	3
22	184032	BREAKER/CIRCUIT 30 A	1
23	186298	HARNESS/INSTRUMENT PANEL	1
25	189969	PANEL/INSTRUMENT RIGHT	1
26	189970	DECAL/INSTRUMENT PANEL RIGHT	1
27	189971	DECAL/INSTRUMENT PANEL LEFT	1
28	191477	SWITCH/LIGHT	1
29	191635	KNOB/LIGHT SWITCH	1
30	651308	SCREW/MACHINE PAN HEAD SLOTTED 1/4 X 3/4	8
31	654042	WASHER/LOCK EXTERNAL TOOTH 3/8	1

A) Replacement bulb is GE 161.

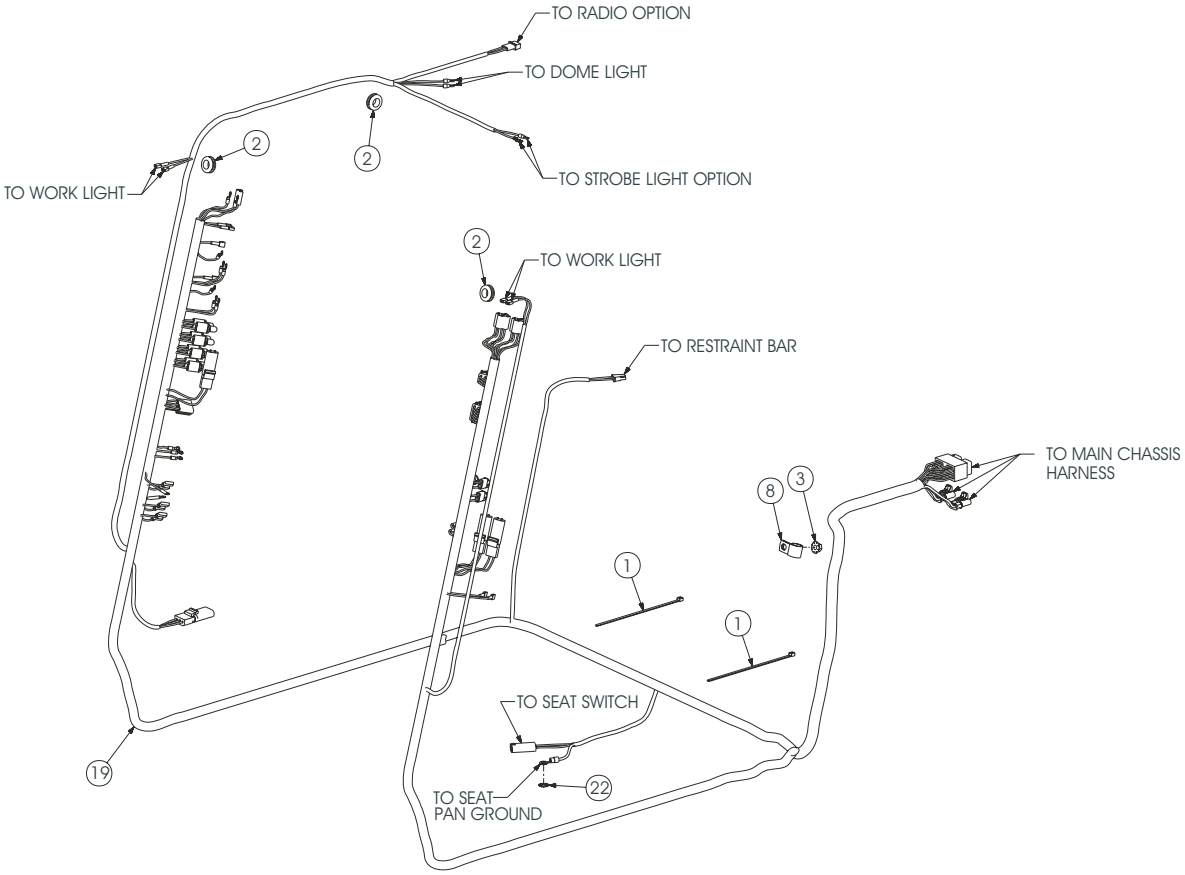


RIGHT INSTRUMENT PANEL DETAIL



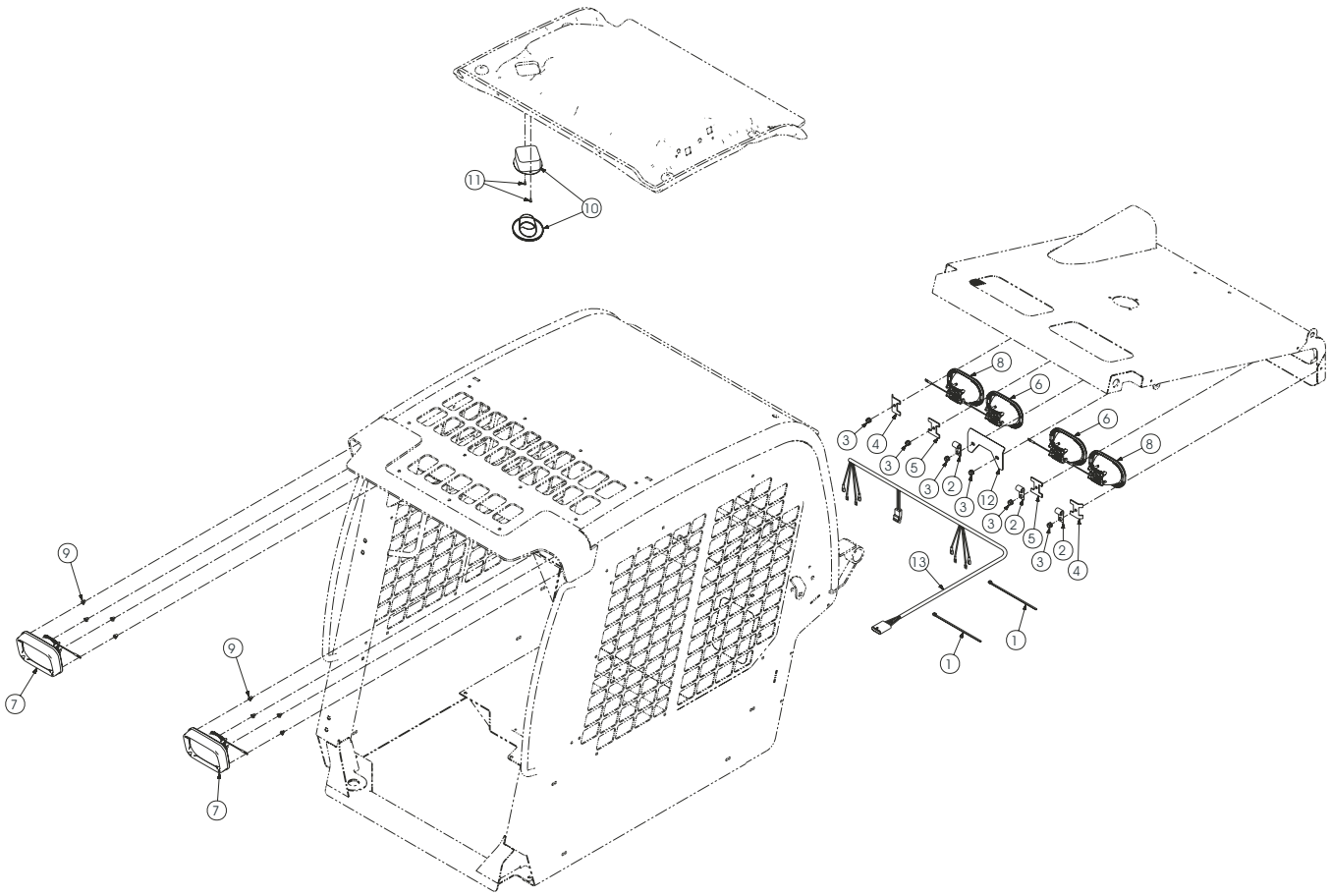
LEFT INSTRUMENT PANEL DETAIL

4640 Models: SN 307900 and Before
4840 Models: SN 408500 and Before
5640 Models: SN 506600 and Before
6640 Models: SN 605500 and Before



183590

Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	055648	TIE/WIRE	2
2	070636	GROMMET	3
3	070648	NUT/LOCK FLANGED 5/16	1
4	072340	HOURMETER	1
5	191655	SWITCH/LIGHT	1
	191635	KNOB/LIGHT SWITCH	1
	191477	SWITCH/LIGHT	1
6	076058	RELAY SPDT	2
7	088040	HOUSING/DISPLAY	2
8	128007	CLAMP/TUBE	1
9	128738	BULB/LAMP	9
10	130064	GASKET/LAMP HOUSING	2
11	137602	CONNECTOR 12 V POWER PORT	1
12	137603	COVER 12 V POWER PORT	1
13	137749	SWITCH/PARKING BRAKE	1
14	137753	MODULE/CONTROL INTERLOCK	1
15	137795	RELAY/POWER	1
16	137797	NUT/SERRATED FLANGED	10
17	183634	GAUGE/FUEL LEVEL	1
18	183644	GAUGE/ENGINE TEMP/OIL	1
19	183938	HARNESS/INSTRUMENT PANEL	1
20	184019	BREAKER/CIRCUIT 20 A	3
21	184032	BREAKER/CIRCUIT 30 A	1
22	654042	WASHER/LOCK EXTERNAL TOOTH 3/8	1



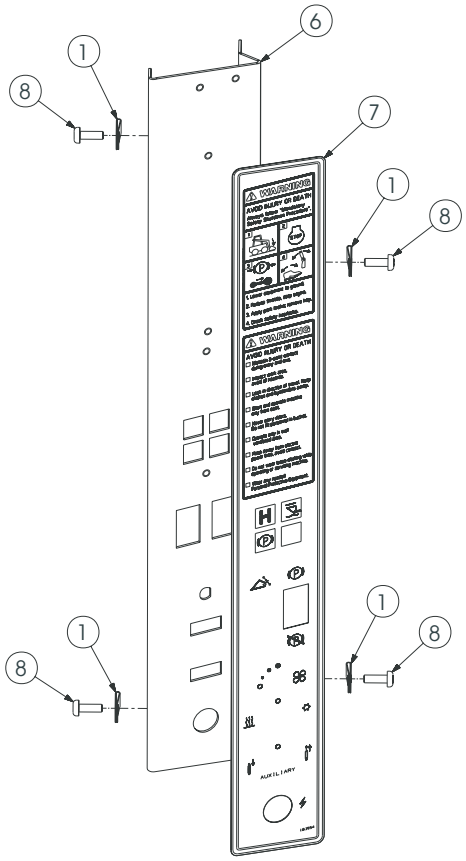
183161

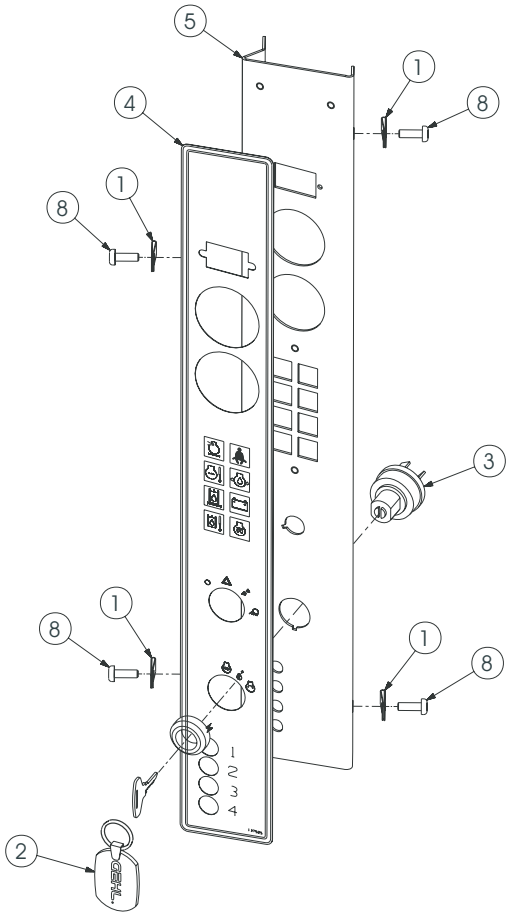
Ref. No.	Part No.	Description	Quantity 46/48/56/6640
1	055648	TIE/WIRE	2
2	058615	CLAMP	3
3	064260	NUT/LOCK 5/16 (Do Not Over tighten)	6
4	132285	CLIP/SINGLE	2
5	132286	CLIP/DOUBLE	2
6	137424	LAMP/WORK NO BEZEL (REAR WORK)	2
7	137426	LAMP/WORK BEZEL (FRONT)	2
8	137427	LAMP/TAIL NO BEZEL (REAR RED)	2
9	137463	GROMMET/PANEL FASTENER	8
10	137497	LIGHT/DOME	1
11	195110	SCREW/PHILLIPS FLAT HEAD #8 X 1/2	2
12	183168	CLIP/MIDDLE	1
13	183934	HARNESS/REAR LIGHTS	1

Ref #6 and #7 - order 55 W replacement bulb part number 139529.

Ref #8 - order 35 W replacement bulb part number 139530.

4640 Models: SN 307900 and Before
4840 Models: SN 408500 and Before
5640 Models: SN 506600 and Before
6640 Models: SN 605500 and Before



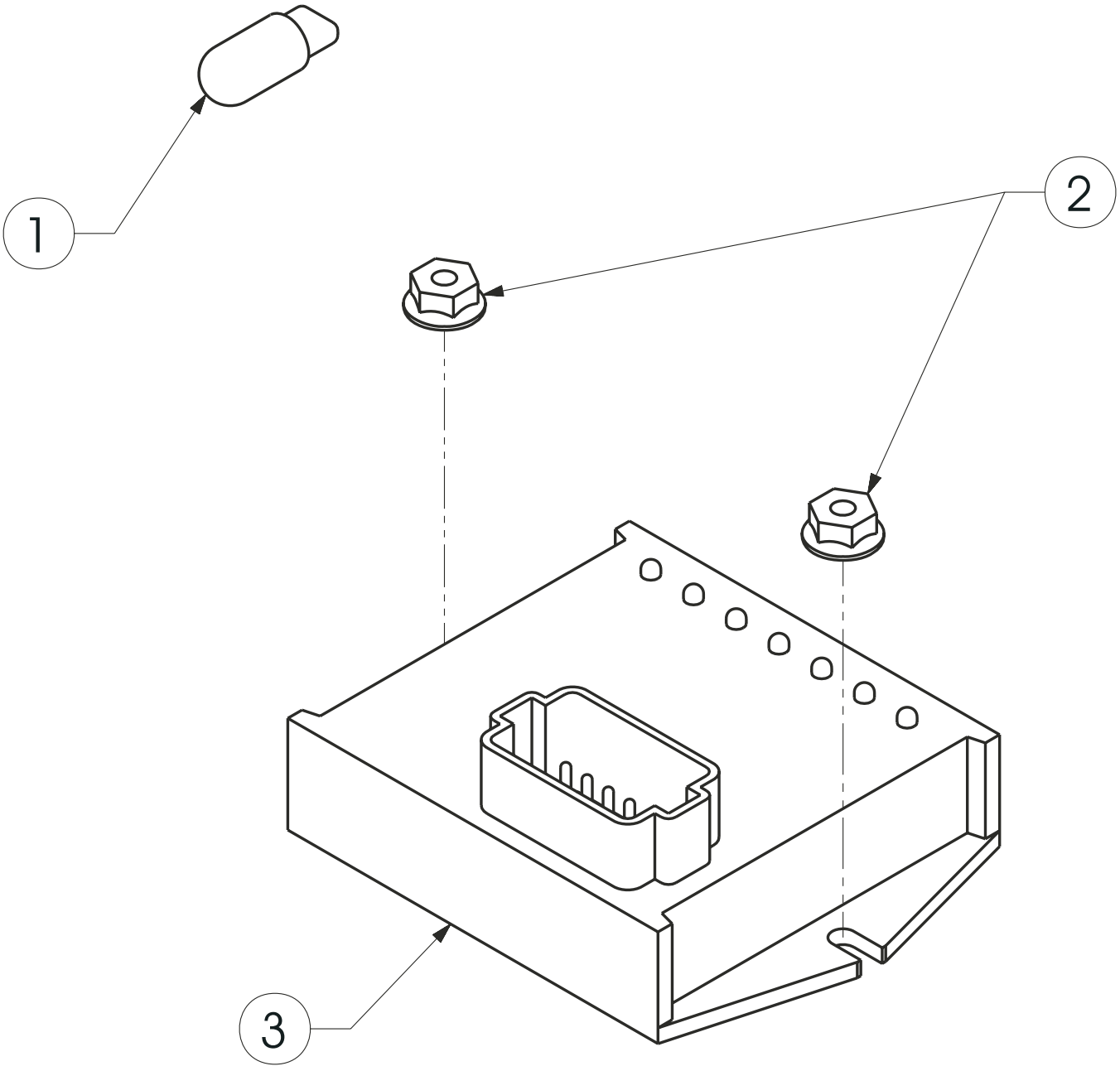


183551

Ref. No.	Part No.	Description	Quantity Ignition Switch (A)
1	067750	NUT/SPEED	8
2	131050	TAG/KEY	1
3	131688	SWITCH/IGNITION	1
	131748	KEY/IGNITION (SET OF 2)	1
4	137525	DECAL/RIGHT INSTRUMENT PANEL	1
5	140827	PANEL/RIGHT INSTRUMENT	1
6	140832	PANEL/LEFT INSTRUMENT	1
7	183554	DECAL/LEFT INSTRUMENT PANEL	1
8	651308	SCREW/PHILLIPS PAN HEAD 1/4 X 3/4	8

A) LATER SERIAL NUMBER IGNITION SWITCH/KEYSWITCH PART NUMBERS CAN BE FOUND IN THE ELECTRICAL-ROPS SECTION OF THIS PARTS MANUAL.

Two-Speed Control



184487

Ref. No.	Part No.	Description	Two-Speed Quantity 46/48/56/6640
1	128738	BULB/LAMP WEDGE	1
2	137797	NUT/SERRATED FLANGE #10	2
3	184243	MODULE/TWO-SPEED SHIFT	1

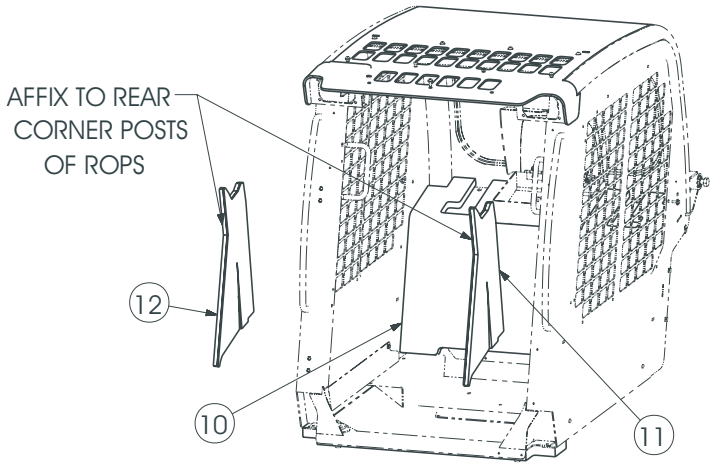
Standard Sound Suppression

4640 Models: SN 307901 and Up

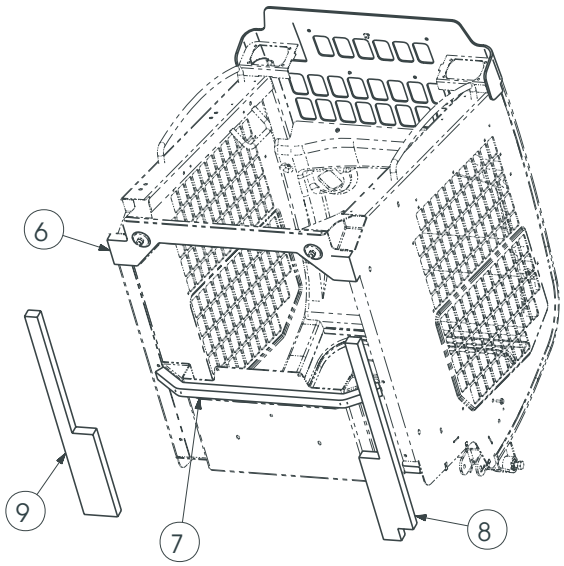
4840 Models: SN 408501 and Up

5640 Models: SN 506601 and Up

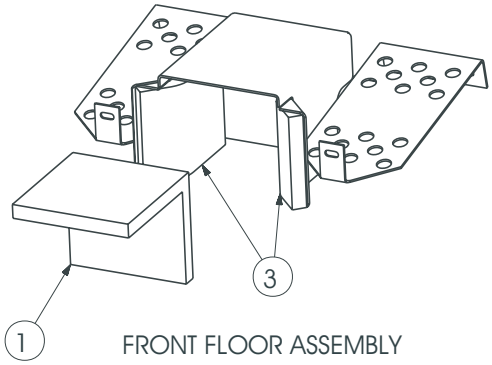
6640 Models: SN 605501 and Up



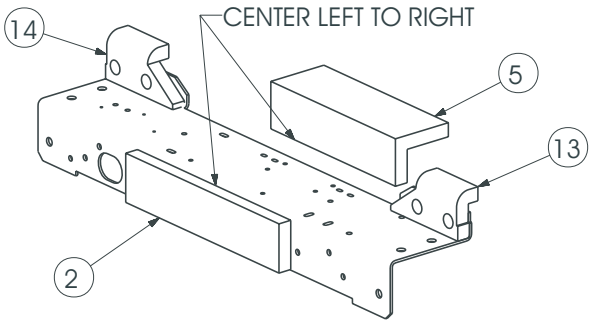
ROPS FRONTAL VIEW



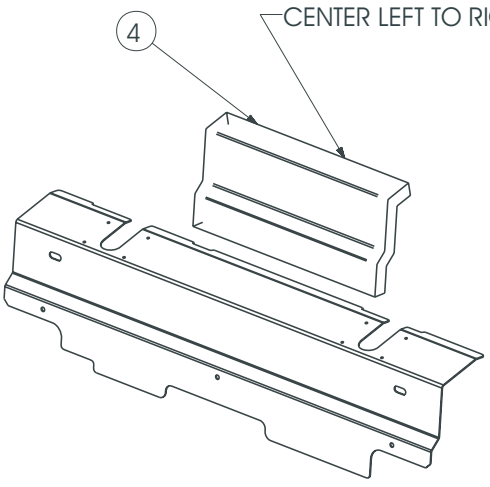
ROPS SEAL COMPONENTS



FRONT FLOOR ASSEMBLY



BOLTED CROSSMEMBER



COVER/CONTROLS

190182

Ref. No.	Part No.	Description	Quantity
1	135374	PAD	1
2	187830	ACOUSTIC PAD/CROSSMEMBER CENTER	1
3	187866	PAD/ACOUSTIC FRONT COVER SIDE	2
4	187869	PAD/ACOUSTIC FRONT COVER	1
5	187881	PAD/ACOUSTIC CROSSMEMBER	1
6	190142	SEAL/ROPS FRONT	1
7	190143	SEAL/ROPS REAR	1
8	190145	SEAL/ROPS LEFT	1
9	190147	SEAL/ROPS RIGHT	1
10	190150	PAD/ACOUSTIC REAR DECK	1
11	190153	COVER/ROPS PILLAR LEFT	1
12	190172	COVER/ROPS PILLAR RIGHT	1
13	190436	ACOUSTIC PAD/FRONT LEFT SEAT	1
14	190437	ACOUSTIC PAD/FRONT RIGHT SEAT	1

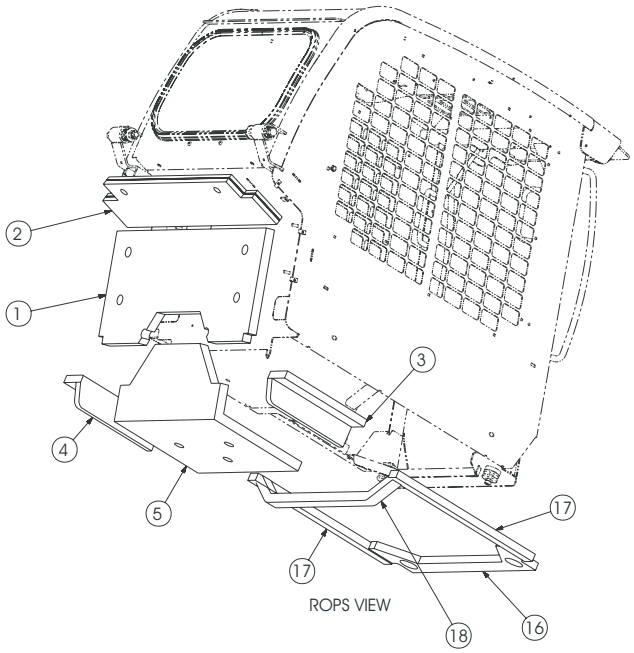
Standard Sound Suppression

4640 Models: SN 307900 and Before

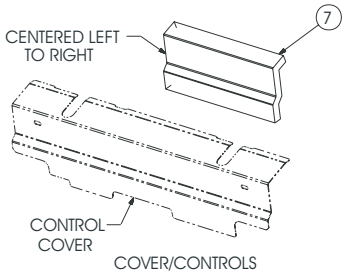
4840 Models: SN 408500 and Before

5640 Models: SN 506600 and Before

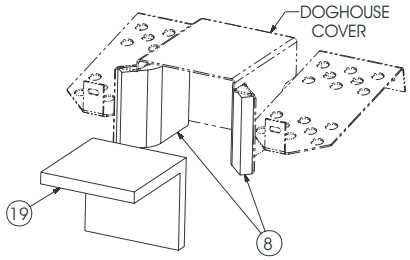
6640 Models: SN 605500 and Before



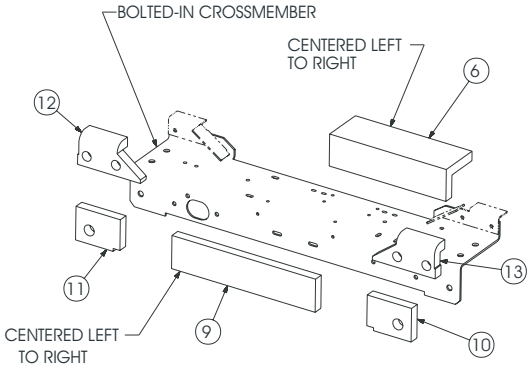
ROPS VIEW



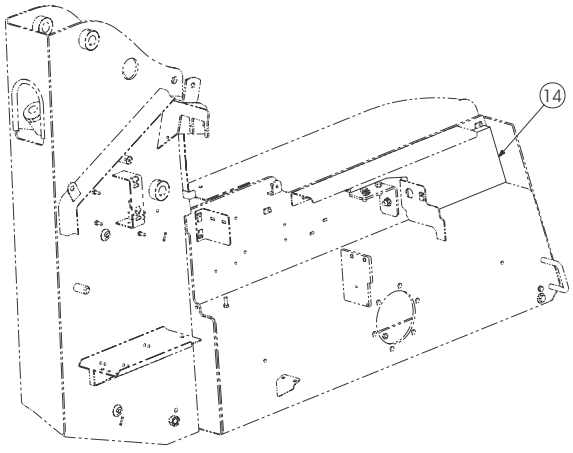
COVER/CONTROLS



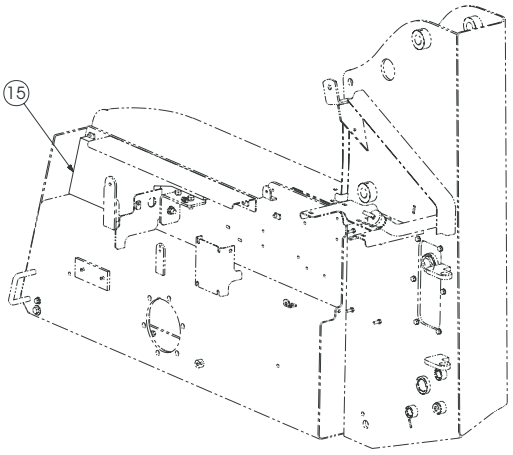
FRONT FLOOR ASSEMBLY



BOLTED-IN CROSSMEMBER



LH CHASSIS VIEW

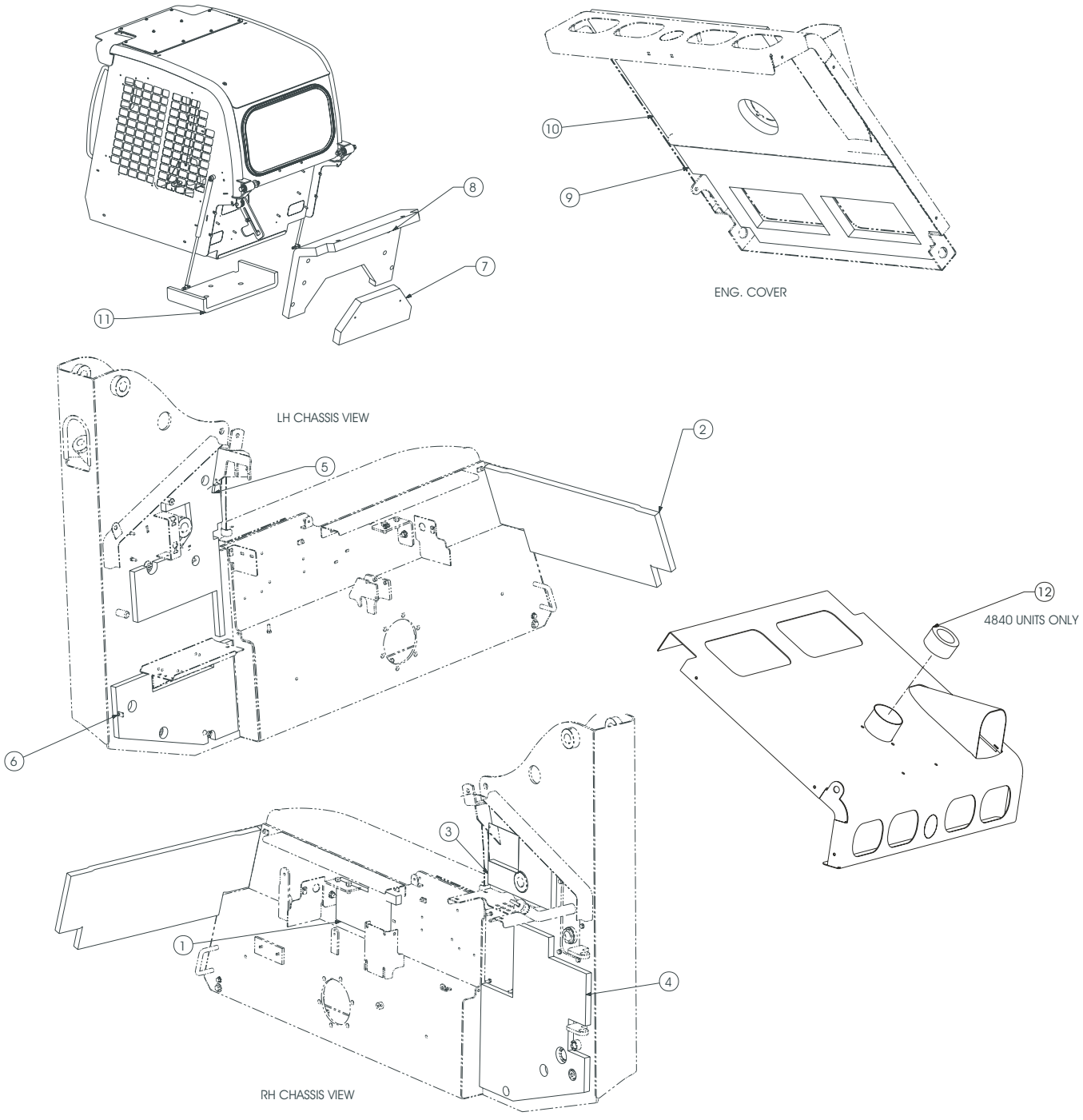


RH CHASSIS VIEW

188944

Ref. No.	Part No.	Description	Quantity
1	188783	PAD/ACOUSTIC ROPS REAR	1
2	188782	PAD/ACOUSTIC REAR DECK	1
3	188044	PAD/ACOUSTIC SEAT PAN RIGHT	1
4	188043	PAD/ACOUSTIC SEAT PAN LEFT	1
5	187886	PAD/ACOUSTIC SEAT PAN	1
6	187881	PAD/ACOUSTIC CROSSMEMBER	1
7	187869	PAD/ACOUSTIC FRONT COVER	1
8	187866	PAD/ACOUSTIC FRON2 COVER SIDE	2
9	187830	ACOUSTIC PAD/CROSSMEMBER CENTER	1
10	187829	ACOUSTIC PAD/CROSSMEMBER LEFT	1
11	187827	ACOUSTIC PAD/CROSSMEMBER RIGHT	1
12	187826	ACOUSTIC PAD/FRONT LEFT SEAT	1
13	187820	ACOUSTIC PAD/FRONT RIGHT SEAT	1
14	186249	PAD/SOUND FENDER FRONT LEFT	1
15	186247	PAD/SOUND FENDER FRONT RIGHT	1
16	183257	SEAL/FOAM/DOOR SILL	1
17	183256	SEAL/FOAM/SIDE PANELS	2
18	183255	SEAL/FOAM/SEAT PAN	1
19	135374	PAD	1

EU Completing



189595_597_964_637

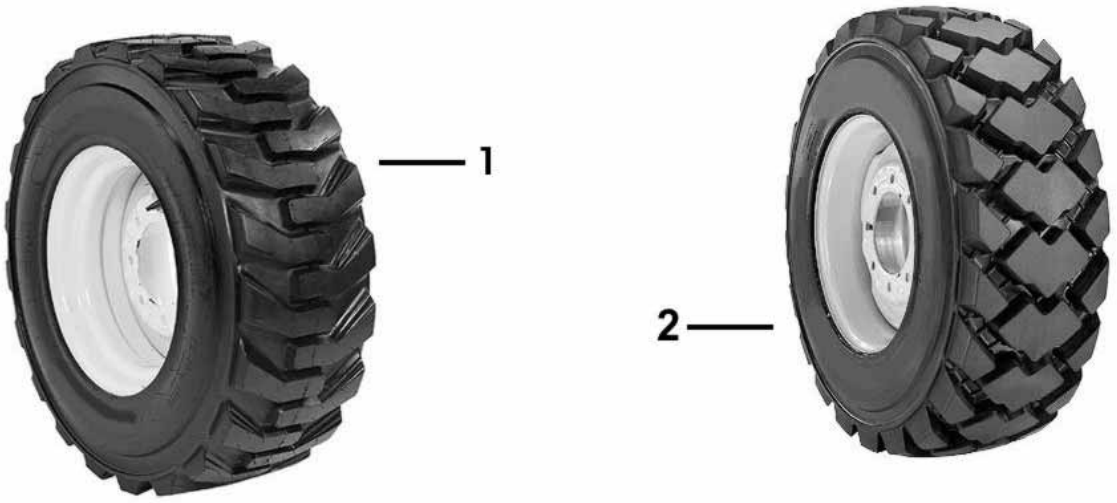
Ref. No.	Part No.	Description	Quantity 4640 EU
1	186253	PAD/SOUND FENDER REAR RIGHT	1
2	189625	PAD/SOUND KICKPAN	1
3	189621	PAD/RISER UPPER RIGHT	1
4	189627	PAD/RISER LOWER RIGHT	1
5	189623	PAD/RISER UPPER LEFT	1
6	189630	PAD/RISER LOWER LEFT	1
7	190312	FOAM/UNDERCAB	1
8	190313	FOAM/BACK OF ROPS	1
9	190328	PAD/ENGINE COVER FRONT	1
10	190329	PAD/ENGINE COVER REAR	1
11	190332	FOAM/SEAT PAN	1

Ref. No.	Part No.	Description	Quantity 4840 EU
1	186253	PAD/SOUND FENDER REAR RIGHT	1
2	189625	PAD/SOUND KICKPAN	1
3	189626	PAD/RISER UPPER RIGHT	1
4	189627	PAD/RISER LOWER RIGHT	1
5	189629	PAD/RISER UPPER LEFT (MORE FORWARD IN CHASSIS)	1
	190463	PAD/RISER UPPER LEFT (MORE REARWARD IN CHASSIS)	1
6	189630	PAD/RISER LOWER LEFT	1
7	190312	FOAM/UNDERCAB	1
8	190313	FOAM/BACK OF ROPS	1
9	190330	PAD/ENGINE COVER FRONT	1
10	190329	PAD/ENGINE COVER REAR	1
11	190332	FOAM/SEAT PAN	1
12	135649	PAD/FOAM DONUT	1

Ref. No.	Part No.	Description	Quantity 5640 EU
1	186253	PAD/SOUND FENDER REAR RIGHT	1
2	189632	PAD/SOUND KICKPAN	1
3	189634	PAD/RISER UPPER RIGHT	1
4	189636	PAD/RISER LOWER RIGHT	1
5	189638	PAD/RISER UPPER LEFT	1
6	189642	PAD/RISER LOWER LEFT	1
7	190312	FOAM/UNDERCAB	1
8	190313	FOAM/BACK OF ROPS	1
9	190325	PAD/ENGINE COVER FRONT	1
10	190326	PAD/ENGINE COVER REAR	1
11	190332	FOAM/SEAT PAN	1

Ref. No.	Part No.	Description	Quantity 6640 EU
1	186253	PAD/SOUND FENDER REAR RIGHT	1
2	189632	PAD/SOUND KICKPAN	1
3	189643	PAD/RISER UPPER RIGHT	1
4	189636	PAD/RISER LOWER RIGHT	1
5	189641	PAD/RISER UPPER LEFT	1
6	189642	PAD/RISER LOWER LEFT	1
7	190312	FOAM/UNDERCAB	1
8	190313	FOAM/BACK OF ROPS	1
9	190325	PAD/ENGINE COVER FRONT	1
10	190327	PAD/ENGINE COVER REAR	1
11	190332	FOAM/SEAT PAN	1

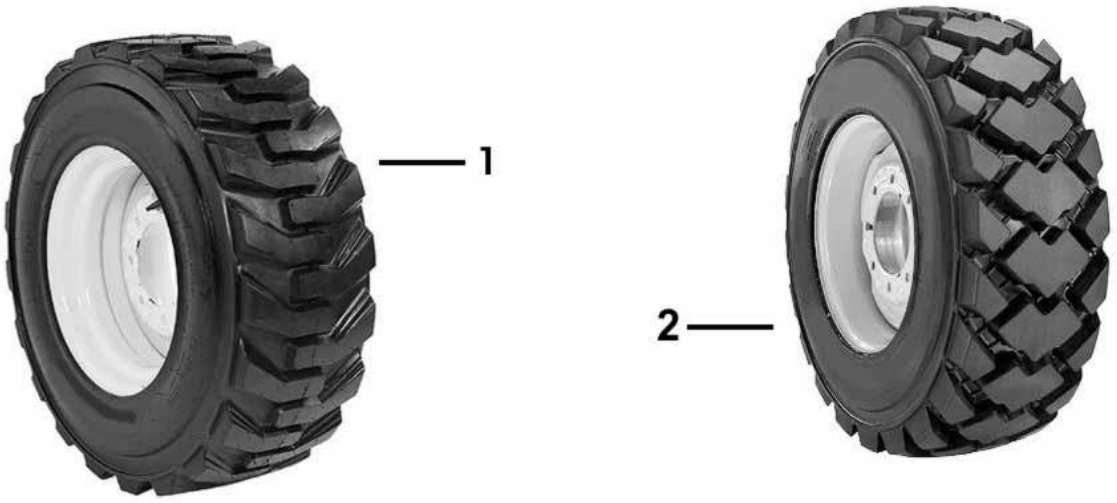
4640 and 4840 Tires -
Specify left or right side mounting on tire and wheel sets when ordering.



Ref. No.	Part No.	Description	Quantity 4640/4840 Tires
1	807803	ASSY/WHEEL 10 X16.5 HEAVY DUTY 8-PLY FLOTATION WIDE SIDEWALL	1
	134371	WHEEL 16.5 X 8.25	1
	REFa	TIRE/HEAVY DUTY 10 X 1635 8-PLY	1
	191020	STEM/VALVE	1
1	808200	ASSY/WHEEL 10 X 16.5 HEAVY DUTY 8-PLY FLOTATION WIDE SIDEWALL FOAM-FILLED	1
	134371	WHEEL 16.5 X 8.25	1
	REFa	TIRE/HEAVY DUTY 10 X 1635 8-PLY	1
	191020	STEM/VALVE	1
1	807807	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL	1
	122976	WHEEL 16.5 X 9.75	1
	REFa	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
	191020	STEM/VALVE	1
1	808199	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL FOAM-FILLED	1
	122976	WHEEL 16.5 X 9.75	1
	REFa	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
	191020	STEM/VALVE	1
1	808216	ASSY/WHEEL 33 X 15.50 X 16.5 12-PLY EXTRA WIDE / WIDE SIDEWALL	1
	137243	WHEEL 12 X 16.5	1
	REFa	TIRE/HEAVY DUTY 33 X 16.5 X 15.5	1
	191020	STEM/VALVE	1
1	811253	ASSY/WHEEL 31 X 15.50-15 HEAVY DUTY	1
	194236	WHEEL 15 X 13	1
	191020	STEM/VALVE	1
2	810078	ASSY/WHEEL 10 X 16.5 10-PLY H/E SEVERE DUTY	1
	134371	WHEEL 16.5 X 8.25	1
	REFa	TIRE/SEVERE DUTY 10 X 16.5	1
	191020	STEM/VALVE	1
2	810312	ASSY/WHEEL 10 X 16.5 10-PLY H/E SEVERE DUTY FOAM-FILLED	1
	134371	WHEEL 16.5 X 8.25	1
	REFa	TIRE/SEVERE DUTY 10 X 16.5	1
	191020	STEM/VALVE	1
2	810076	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY	1
	122976	WHEEL 16.5 X 9.75	1
	REFa	TIRE/SEVERE DUTY 12 X 16.5	1
	191020	STEM/VALVE	1
2	810314	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY FOAM-FILLED	1
	122976	WHEEL 16.5 X 9.75	1
	REFa	TIRE/SEVERE DUTY 12 X 16.5	1
	191020	STEM/VALVE	1
2	810869	ASSY/WHEEL SOLID FLEX 10 X 16.5 LEFT	1
	810870	ASSY/WHEEL SOLID FLEX 10 X 16.5 RIGHT	1
2	810871	ASSY/WHEEL SOLID FLEX 12 X 16.5 LEFT	1
	810872	ASSY/WHEEL SOLID FLEX 12 X 16.5 RIGHT	1
3	811255	WHEEL/SOLID RUBBER 8.00 X 16 (NOT SHOWN)	1

a) Purchase equivalent-quality tires for your skid-steer loader. Contact your dealer for replacement tire information.

5640 and 6640 Tires -
Specify left or right side mounting on tire and wheel sets when ordering.



40_series_tires.png

Ref. No.	Part No.	Description	Quantity 5640/6640 Tires
1	811294	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL	1
	240364	WHEEL 16.5 X 9.75	1
	REFa	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
	191020	STEM/VALVE	1
1	811295	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION WIDE SIDEWALL FOAM-FILLED	1
	240364	WHEEL 16.5 X 9.75	1
	REFa	TIRE/HEAVY DUTY 12 X 16.5 10-PLY HD2000 II	1
	191020	STEM/VALVE	1
1	808216	ASSY/WHEEL 33 X 15.50 X 16.5 12-PLY EXTRA WIDE / WIDE SIDEWALL	1
	137243	WHEEL 12 X 16.5	1
	REFa	TIRE/HEAVY DUTY 33 X 16.5 X 15.5	1
	191020	STEM/VALVE	1
1	807728	ASSY/WHEEL 14 X 17.5 12-PLY FLOTATION - HEAVY DUTY WIDE SIDEWALL	1
	128508	WHEEL 17.5 X 10.5 8-BOLT	1
	REFa	TIRE/HEAVY DUTY 14 X 17.5 14-PLY	1
	191020	STEM/VALVE	1
2	811296	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY	1
	240364	WHEEL 16.5 X 9.75	1
	REFa	TIRE/SEVERE DUTY 12 X 16.5	1
	191020	STEM/VALVE	1
2	811297	ASSY/WHEEL 12 X 16.5 12-PLY H/E SEVERE DUTY FOAM-FILLED	1
	240364	WHEEL 16.5 X 9.75	1
	REFa	TIRE/SEVERE DUTY 12 X 16.5	1
	191020	STEM/VALVE	1
2	811298	ASSY/WHEEL 12 X 16.5 HEAVY DUTY 10-PLY FLOTATION QUIK GEL	1
	240364	WHEEL 16.5 X 9.75	1
	REFa	TIRE/HEAVY DUTY 12 X 16.5	1
	191020	STEM/VALVE	1
2	810146	ASSY/WHEEL 14 17.5 SEVERE DUTY 14-PLY FLOTATION	1
	128508	WHEEL 17.5 X 10.5 8-BOLT	1
	REFa	TIRE/HEAVY DUTY 14 X 17.5 14-PLY	1
	191020	STEM/VALVE	1
2	810871	ASSY/WHEEL SOLID FLEX 12 X 16.5 LEFT	1
	810872	ASSY/WHEEL SOLID FLEX 12 X 16.5 RIGHT	1
2	810949	ASSY/WHEEL SOLID FLEX 14 X 17.5 LEFT	1
	810950	ASSY/WHEEL SOLID FLEX 14 X 17.5 RIGHT	1
3	811255	WHEEL/SOLID RUBBER 8.00 X 16 (NOT SHOWN)	1

a) Purchase equivalent-quality tires for your skid-steer loader. Contact your dealer for replacement tire information.

SECTION NOTES

GENERAL INFORMATION

CAUTION

ALWAYS follow safety precautions on decals. Replace decals if they become damaged or if the unit is repainted. If repainting, BE SURE that all applicable decals are affixed in their proper locations.

Decal location information assists in the selection and application of new decals, in the event the original decals become damaged or the machine is repainted.

For decal replacement compare the location photographs to your machine BEFORE starting to refinish. Check off each required decal using the illustrated reference number. Find the part number, description and quantity. Refer to the illustration for replacement locations. Refer to Safety chapter of the Operator's Manual for information on the safety decals.

NEW DECAL APPLICATION

Surfaces MUST be free of dirt, dust, grease and foreign material before applying the decal. Remove smaller portion of decal backing paper and apply the exposed adhesive to the clean surface, maintaining proper position and alignment. Peel off remaining backing paper and apply hand pressure to smooth out the decal surface.

Specific decal part numbers for type of model, control option and the Gehl logo must be ordered separately.

PAINT FINISH

Use list below to order paint:

167788	One Gallon Gehl Yellow
167789	6-Pack Spray Cans Gehl Yellow
167754	One Gallon Gun Metal Gray
167755	6-Pack Spray Cans Gun Metal Gray
167792	One Gallon Red
167793	6 (12 oz. Spray Cans) Red

DECALS

Ref. No.	Part No.	Description	Quantity Domestic	EU
1	073458	STRIP/NON-SKID SURFACE	1	1
2	121030	STRIP/NON-SKID SURFACE	3	3
3	190646	DECAL/HYDRALOC™	1	1
4	132166	TAG/RIP CORD	1	1
5	132294	RING	1	1
6	137545	REFLECTOR/RED	2	2
7	137628	DECAL/WARNING MANUAL	1	-
	137842	DECAL/WARNING MANUAL	-	1
8	137632	DECAL/HYDRAULIC OIL	1	1
9	137634	DECAL/DIESEL FUEL	1	1
10	137637	DECAL/DANGER LIFT ARM	2	-
	137848	DECAL/DANGER LIFT ARM	-	2
11	137647	DECAL/DANGER WARNING	1	-
	137843	DECAL/DANGER WARNING	-	1
12	137655	DECAL/DANGER NO RIDERS	2	-
	137844	DECAL/DANGER NO RIDERS	-	2
13	137657	DECAL/WARNING GENERAL	1	-
	137845	DECAL/WARNING GENERAL	-	1
14	137658	DECAL/DANGER HOT SURFACE	1	-
	137846	DECAL/DANGER HOT SURFACE	-	1
15	137660	DECAL/ETHER	1	1
16	137661	DECAL/TIE DOWN	4	4
17	137814	DECAL/THROTTLE	1	1
18	140516	DECAL/FLAG	1	1
19	184214	DECAL/WARNING ROPS	1	-
	184711	DECAL/WARNING ROPS	-	1
20	193053	DECAL/SERVICE	1	1
34	137720	DECAL/ATTACH BRACKET	1	-
	186743	DECAL/ATTACHMENT BRACKET	-	1
35	189970	DECAL/INSTRUMENT PANEL RIGHT	1	1
36	189971	DECAL/INSTRUMENT PANEL LEFT	1	1
37	137683	DECAL/SAFETY SHUTDOWN	1	-
	137847	DECAL/SAFETY SHUTDOWN	-	1
38	137639	DECAL/WARNING GENERAL	1	-
	137849	DECAL/WARNING GENERAL	-	1
39	191031	DECAL/E-SERIES	2	2

Hydraloc is a trademark of the Gehl Company.

Model Designation Decals (NA)

Ref. No.	Part No.	Description	Quantity 4640	4840	5640
21	184167	DECAL/4640 RIGHT	1	-	-
	184171	DECAL/4840 RIGHT	-	1	-
	184173	DECAL/5640 RIGHT	-	-	1
22	184168	DECAL/4640 LEFT	1	-	-
	184172	DECAL/4840 LEFT	-	1	-
	184174	DECAL/5640 LEFT	-	-	1

Model Designation Decals (Turbocharged)

Ref. No.	Part No.	Description	Quantity 4640	5640	6640
21	184169	DECAL/4640 TURBO RIGHT	1	-	-
	184175	DECAL/5640 TURBO RIGHT	-	1	-
	184177	DECAL/6640 TURBO RIGHT	-	-	1
22	184170	DECAL/4640 TURBO LEFT	1	-	-
	184176	DECAL/5640 TURBO LEFT	-	1	-
	184178	DECAL/6640 TURBO LEFT	-	-	1

Gehl Decals

Ref. No.	Part No.	Description	Quantity 4640/4840	5640/6640
23	183935	DECAL/GEHL 5-1/2 X 23-1/2	2	-
	183962	DECAL/GEHL 6 X 25-1/2	-	2
24	183963	DECAL/GEHL 3-3/4 X 16	1	1
25	184043	DECAL/GEHL 3-3/4 X 16 (WHITE ON ROPS)	1	1
39	191031	DECAL/E-SERIES	2	2

Control Decals

Ref. No.	Part No.	Description	Quantity T-Bar	H/F	DH	TB/JS - DJS
26	184226	DECAL/T-BAR RIGHT	1	-	-	-
	184525	DECAL/JOYSTICK RIGHT	-	-	-	1
	184228	DECAL/HAND AND FOOT RIGHT	-	1	-	-
	184230	DECAL/DUAL HAND RIGHT	-	-	1	-
27	184227	DECAL/T-BAR LEFT (TB\JS ONLY)	1	-	-	1
	184229	DECAL/HAND AND FOOT LEFT	-	1	-	-
	184231	DECAL/DUAL HAND LEFT	-	-	1	-
	190954	DECAL/JOYSTICK-ELECTRIC AUXILIARY	-	-	-	1

Option Decals

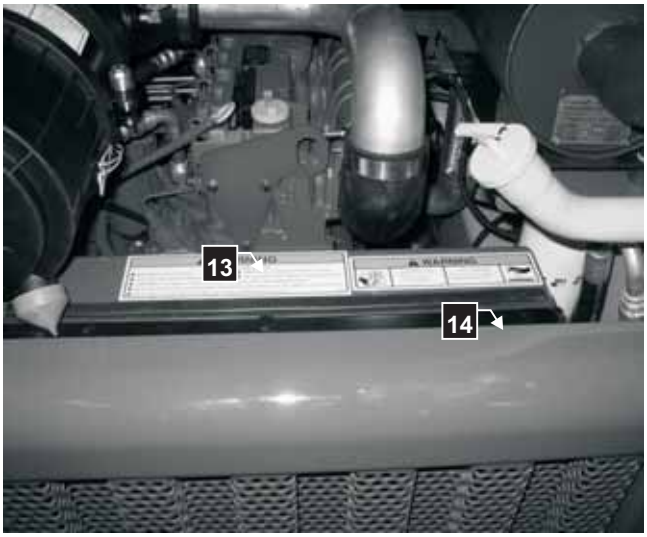
Ref. No.	Part No.	Description	Quantity T-Bar	Hand/Foot	Dual Hand
28	184139	DECAL/HIGH FLOW	1	1	1
29	138711	DECAL/HYDRAGLIDE™	2	2	2
30	137829	DECAL/HIGH FLOW	1	1	1
31	184116	DECAL/TWO-SPEED (SET OF TWO)	1	1	1
32	184481	DECAL/POWER-A-TACH™	1	1	1
33	184357	DECAL/POWER-A-TACH™	1	1	1


21
4840
GEHL
23

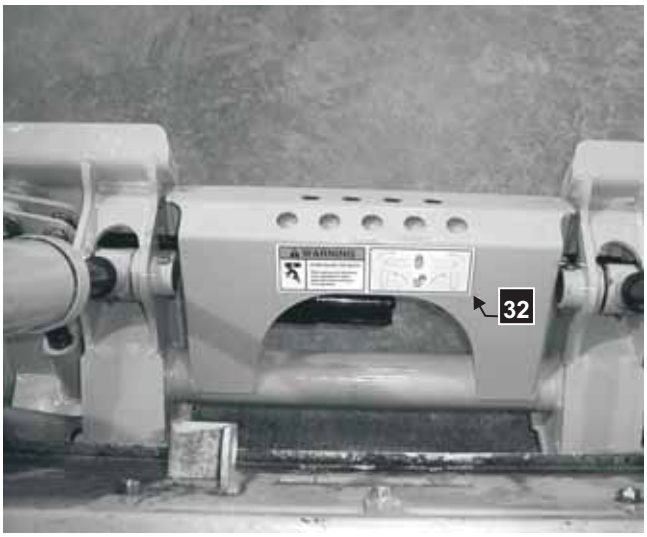

28
High-Flow


9


22
4840
23
GEHL

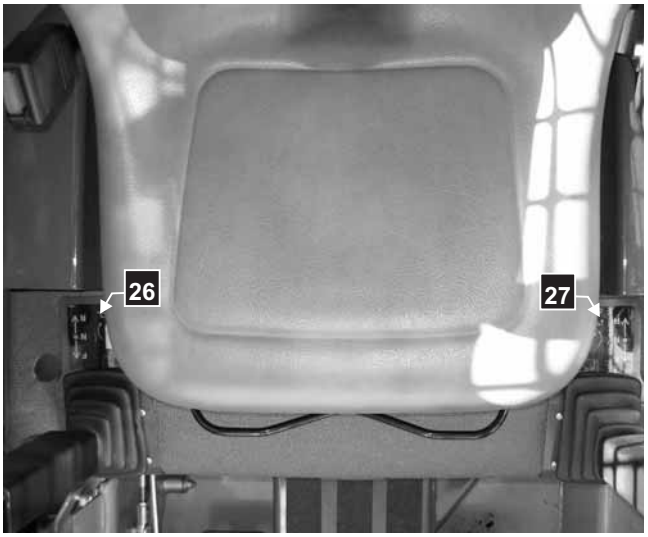

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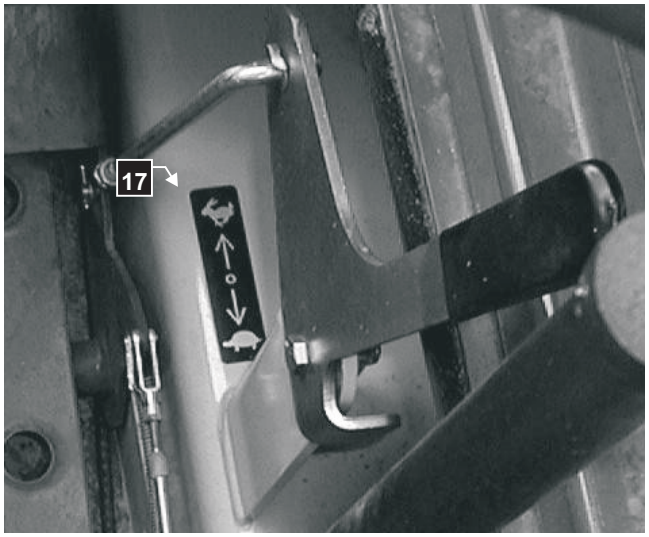

11


25
GEHL


19
WARNING


31
6640
23
21
GEHL


15

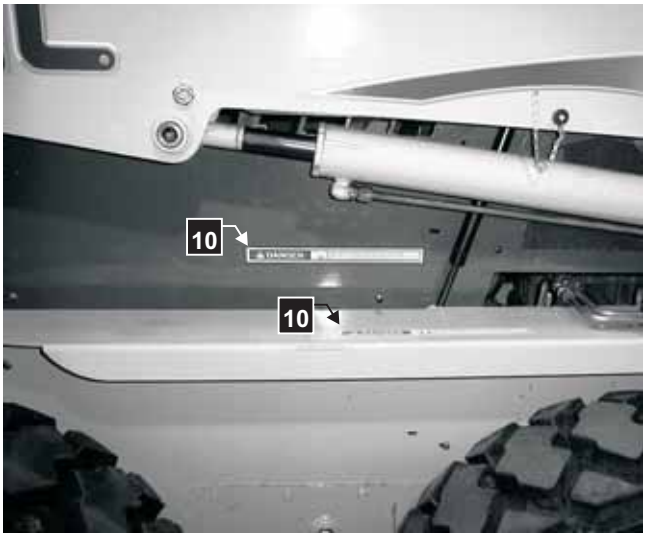

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6
6

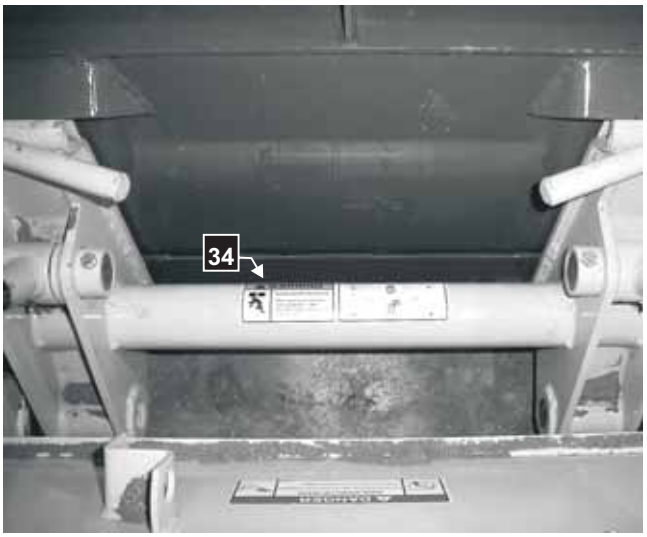

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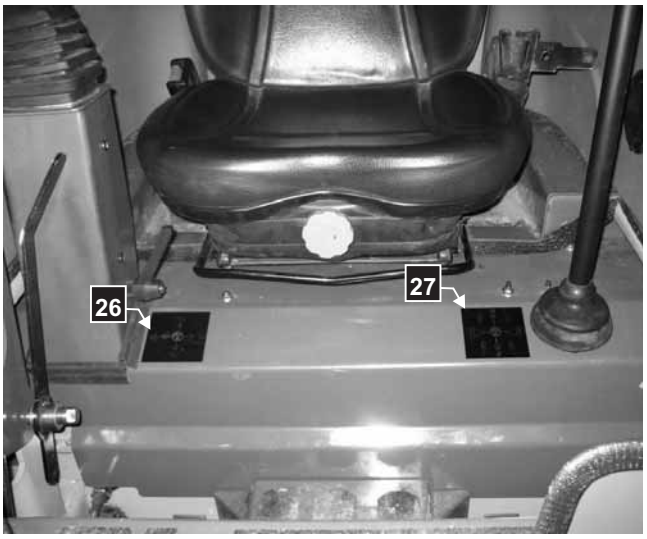

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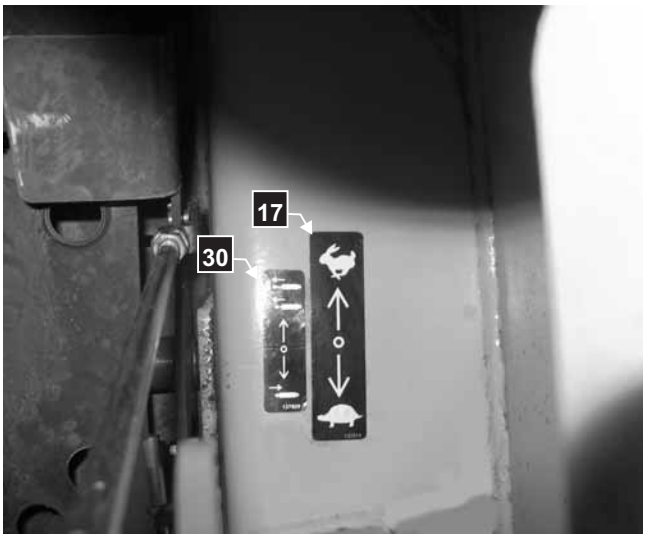

24
33
Power-A-Tach™
12







Joystick/T-Bar Unit



Joystick/T-Bar Unit



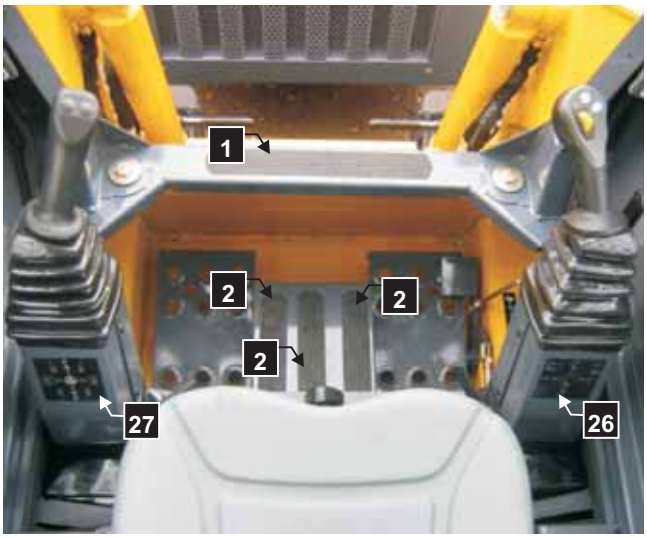












Dual Joystick Unit

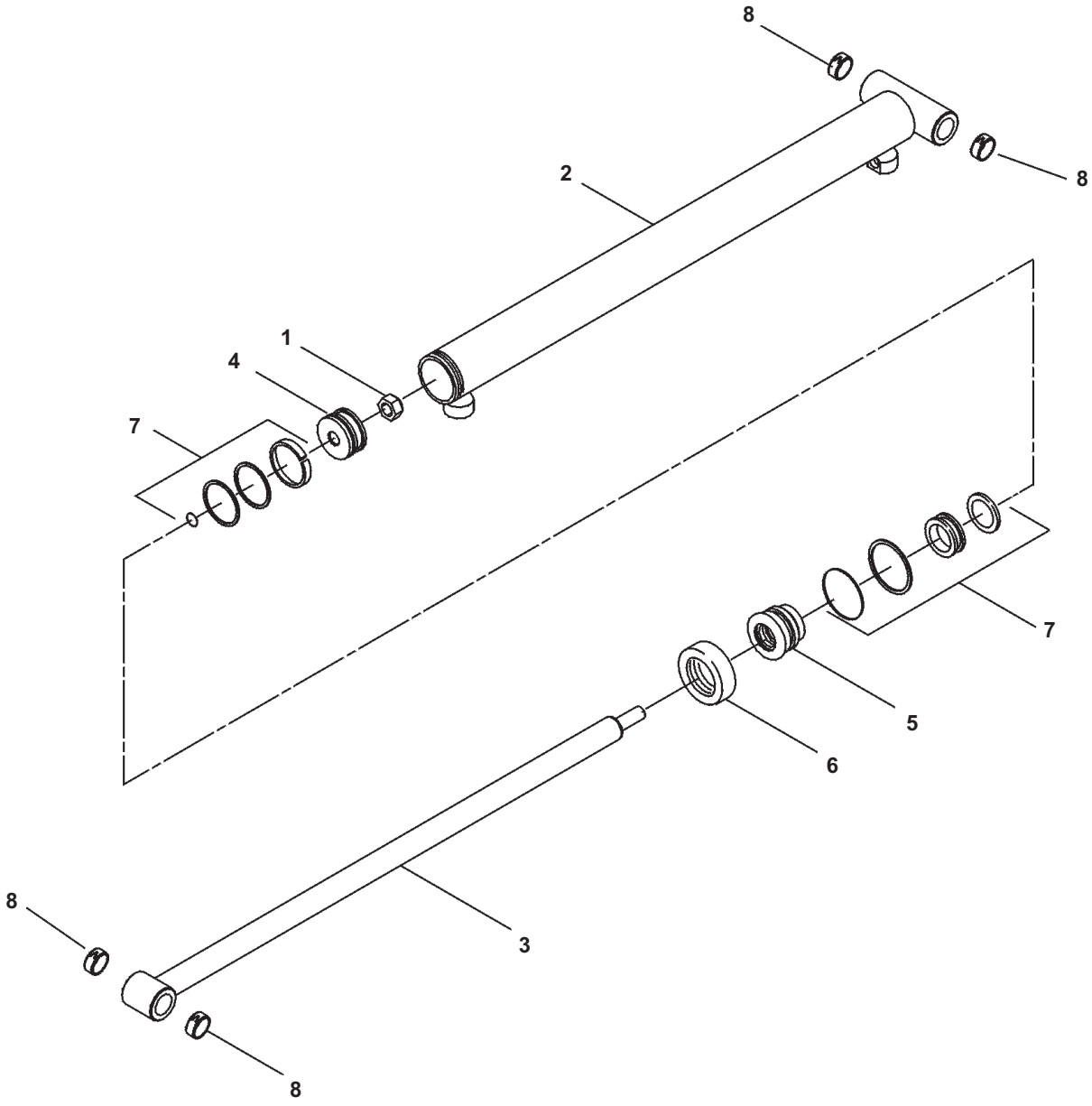


SECTION NOTES

SECTION B: HYDRAULIC COMPONENTS

Lift Cylinder 231
Tilt Cylinder 233
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Tandem Pump 247
Gear Pump - Single 259
Gear Pump - Double 263
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Solenoids - Lift and Tilt 269
Solenoids - Brake 271
Main Control Valve 273
Manifold - Hydraglide™ Ride Control 275
High-Flow Valve 277

LIFT CYLINDER

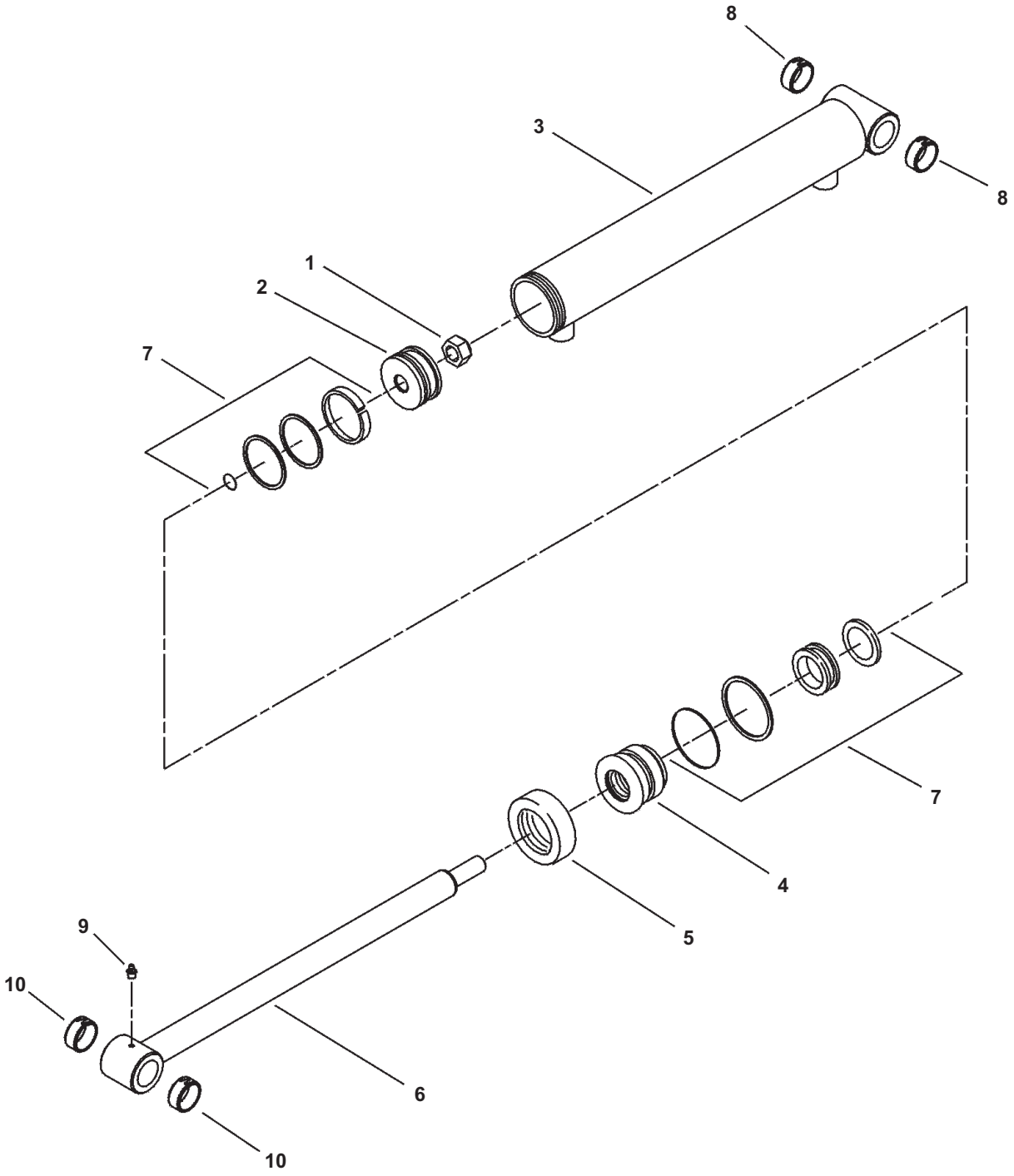


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Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
	139452	CYLINDER/LIFT 4640/4840	2	-
	186074a	CYLINDER/LIFT 5640/6640	-	2
1	075722	NUT/LOCK 7/8	1	-
	080313	NUT/LOCK 1"	-	1
2	183442	TUBE/LIFT CYLINDER	1	-
	186185	TUBE/LIFT CYLINDER	-	1
3	186182	ROD/LIFT CYLINDER	1	-
	186184	ROD/LIFT CYLINDER	-	1
4	134841	PISTON	1	-
	124073	PISTON	-	1
5	134842	GLAND/HEAD	1	-
	124072	GLAND/HEAD	-	1
6	121554	CAP/GLAND	1	-
	124074	CAP/GLAND	-	1
7	134848	KIT/SEAL	1	-
	131299	KIT/SEAL	-	1
8	183872	BUSHING	4	-
	183453	BUSHING/COMPOSITE	-	4
	131488	BUSHING/CONNEX (USED WITH GREASE)	-	4

a) 5640 Models: SN 504347 and Up. 6640 Models: SN 604216 and Up.

TILT CYLINDER

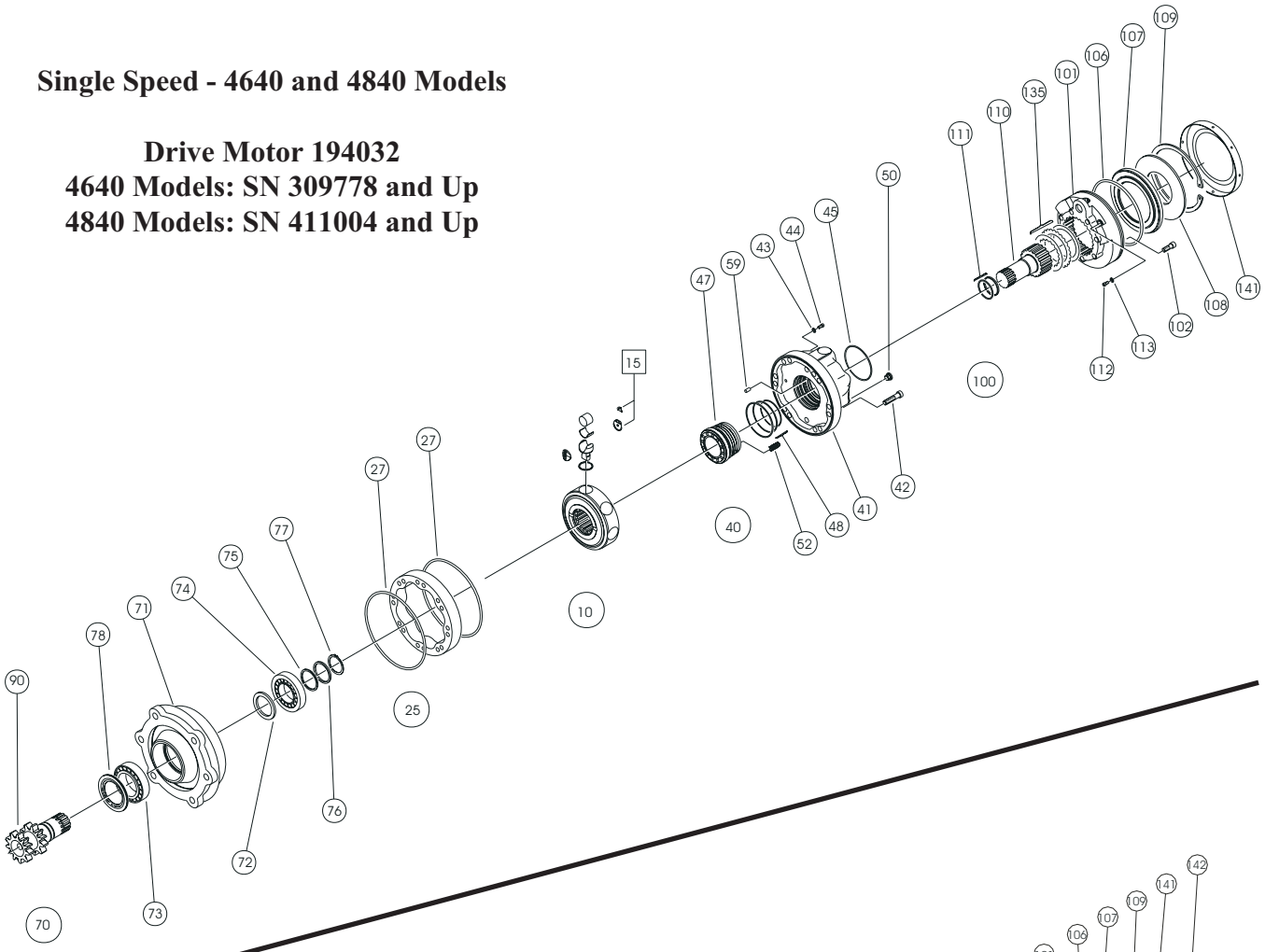


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Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
	183399	CYLINDER/TILT 46/4840	2	-
	183387	CYLINDER/TILT 56/6640	-	2
1	075722	NUT/LOCK 7/8	1	-
	080313	NUT/LOCK 1"	-	1
2	134841	PISTON	1	-
	124073	PISTON	-	1
3	183462	TUBE/TILT CYLINDER	1	-
	183463	TUBE/TILT CYLINDER	-	1
	230-21881	PLUG/HEX HEAD 1/8	1	1
4	121553	GLAND/HEAD	1	-
	124072	GLAND/HEAD	-	1
5	121554	CAP/GLAND	1	-
	124074	CAP/GLAND	-	1
6	186191	ROD/TILT CYLINDER	1	-
	186192	ROD/TILT CYLINDER	-	1
7	134849	KIT/SEAL	1	-
	131299	KIT/SEAL	-	1
8	183453	BUSHING/COMPOSITE	2	2
9	570002	ZERK/GREASE	1	1
10	131488	BUSHING/SPRING	2	2

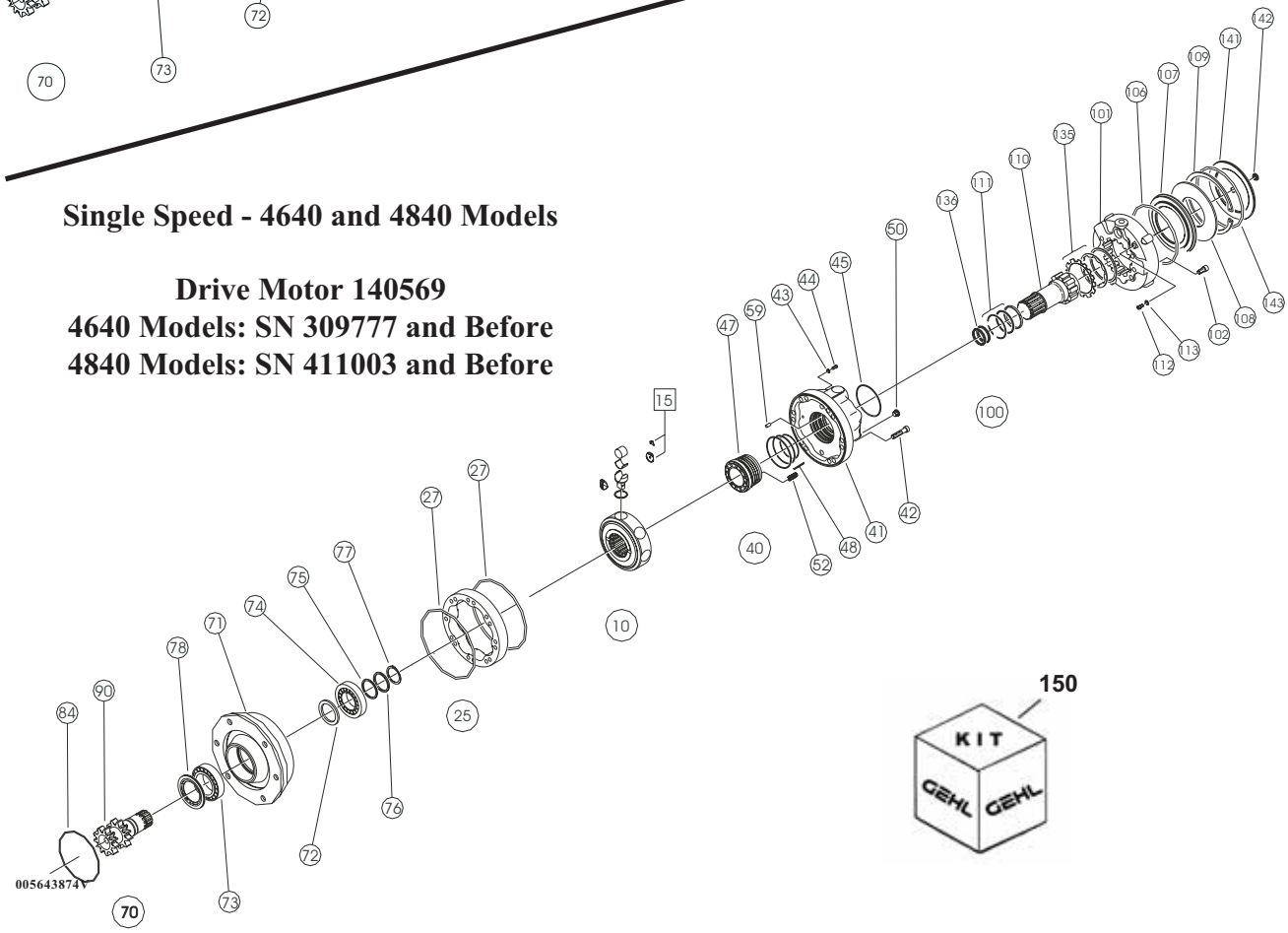
Single Speed - 4640 and 4840 Models

Drive Motor 194032
4640 Models: SN 309778 and Up
4840 Models: SN 411004 and Up



Single Speed - 4640 and 4840 Models

Drive Motor 140569
4640 Models: SN 309777 and Before
4840 Models: SN 411003 and Before

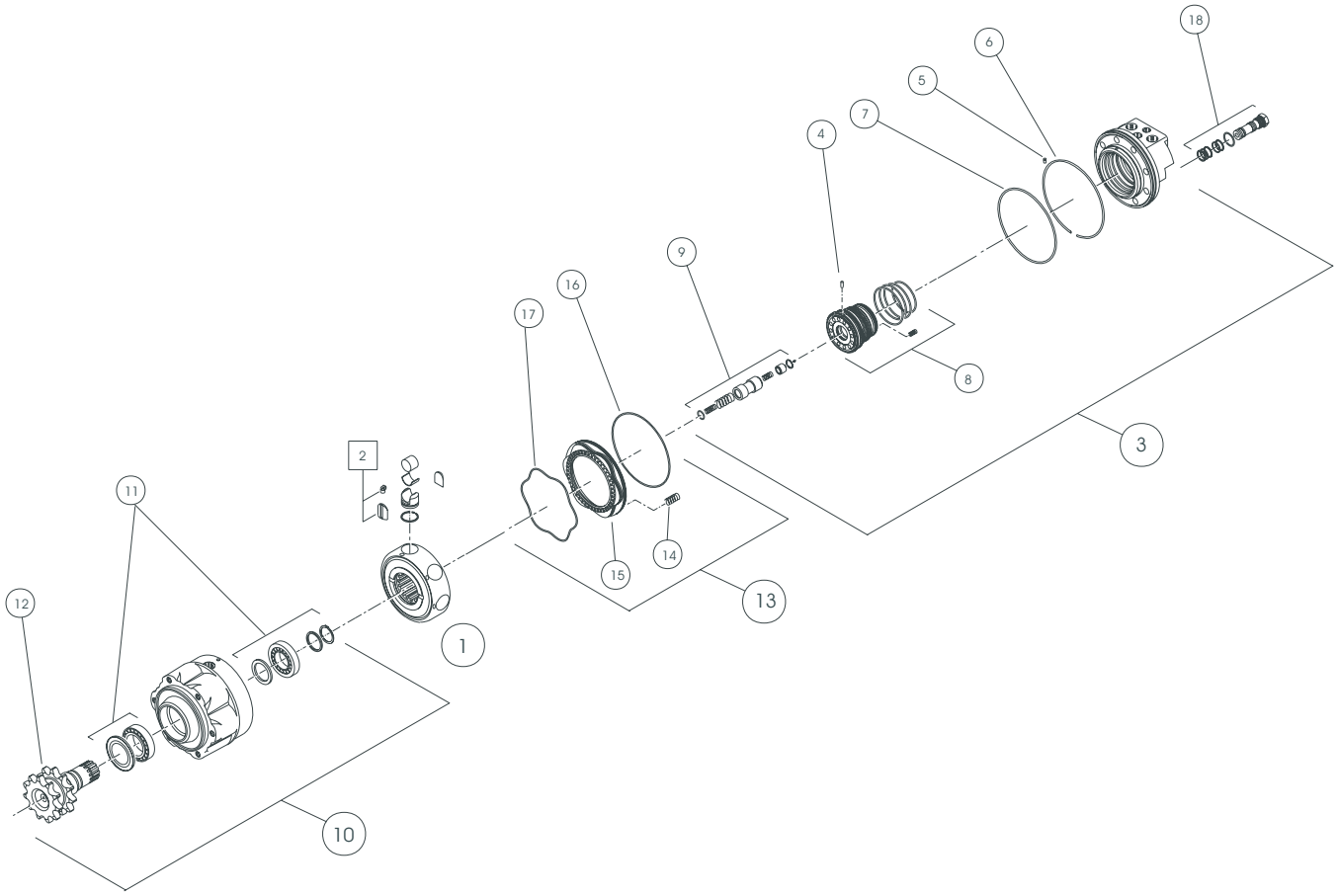


Ref. No.	Part No.	Description	Quantity 4640/4840 Single Speed
	194032c	MOTOR/SINGLE SPEED	2
	140569b	MOTOR/SINGLE SPEED	2
10	135336	ASSEMBLY/CYLINDER BLOCK	1
15	135351	KIT/REPAIR	1
25	184776	ASSEMBLY/CAM	1
26	184777b	O-RING	2
40	184779	ASSEMBLY/VALVING COVER	1
41	REF	COVER/VALVING	1
42	REF	SCREW	12
45	REF	O-RING	1
47	REF	VALVING	1
48	REF	O-RING	1
50	132620	PLUG	1
52	132621	SPRING	4
59	REF	PIN	1
70	184780	ASSEMBLY/BEARING SUPPORT	1
71	REF	SUPPORT/BEARING	1
72	REF	SEAL/RADIAL LIP	1
73	135339	BEARING/ROLLER	1
74	135340	BEARING/ROLLER	1
75	135341	SHIMS/SET OF	1
76	135342	RING/THRUST	1
77	135343	RING/SNAP	1
78	135344	SEAL/LIP	1
84	REF	O-RING	1
90	135345	SHAFT	1
100	135355	ASSEMBLY/BRAKE	1
101	REF	BODY/BRAKE	1
102	REF	SCREW	8
106	138405b	O-RING	1
107	135346b	PISTON/BRAKE	1
108	135347	WASHER/SPRING	1
109	135348	RING/SNAP	1
110	135349	SHAFT/BRAKE	1
111	REF	SEAL	1
112	138196	SCREW	1
113	138195b	RING/SEALING	1
135	135350	KIT/BRAKE	1
136	184782	SHIM	2
141	184783b	PROTECTOR	1
142	184784b	PLUG	1
143	138200b	O-RING	1
150	195007cf	KIT/SEAL - COMPLETE	1
	184786ab	KIT/SEAL - COMPLETE	1
	195005cd	REPAIR KIT/BRAKE PISTON	1
	195006ce	REPAIR KIT/BRAKE	1

a) Seal Kit includes Ref. #'s 27, 45, 48, 72, 78, 84, 106, 111, 113, 141 and 143.
b 4640 Models: SN 309777 and Before. 4840 Models: SN 411003 and Before
c) 4640 Models: SN 309778 and Up. 4840 Models: SN 411004 and Up
d) Brake Piston Repair Kit includes Ref, #'s 106 and 141.
e) Brake Repair Kit includes Ref. #'s 45, 111, 113 and 112.
f) Seal Kit includes Ref. #'s 27, 48, 72, 78 and two seal kits, 195005 and 195006.

Two-Speed - 4640 and 4840 Models

4640 Models: SN 309651 and Up
4840 Models: SN 410844 and Up



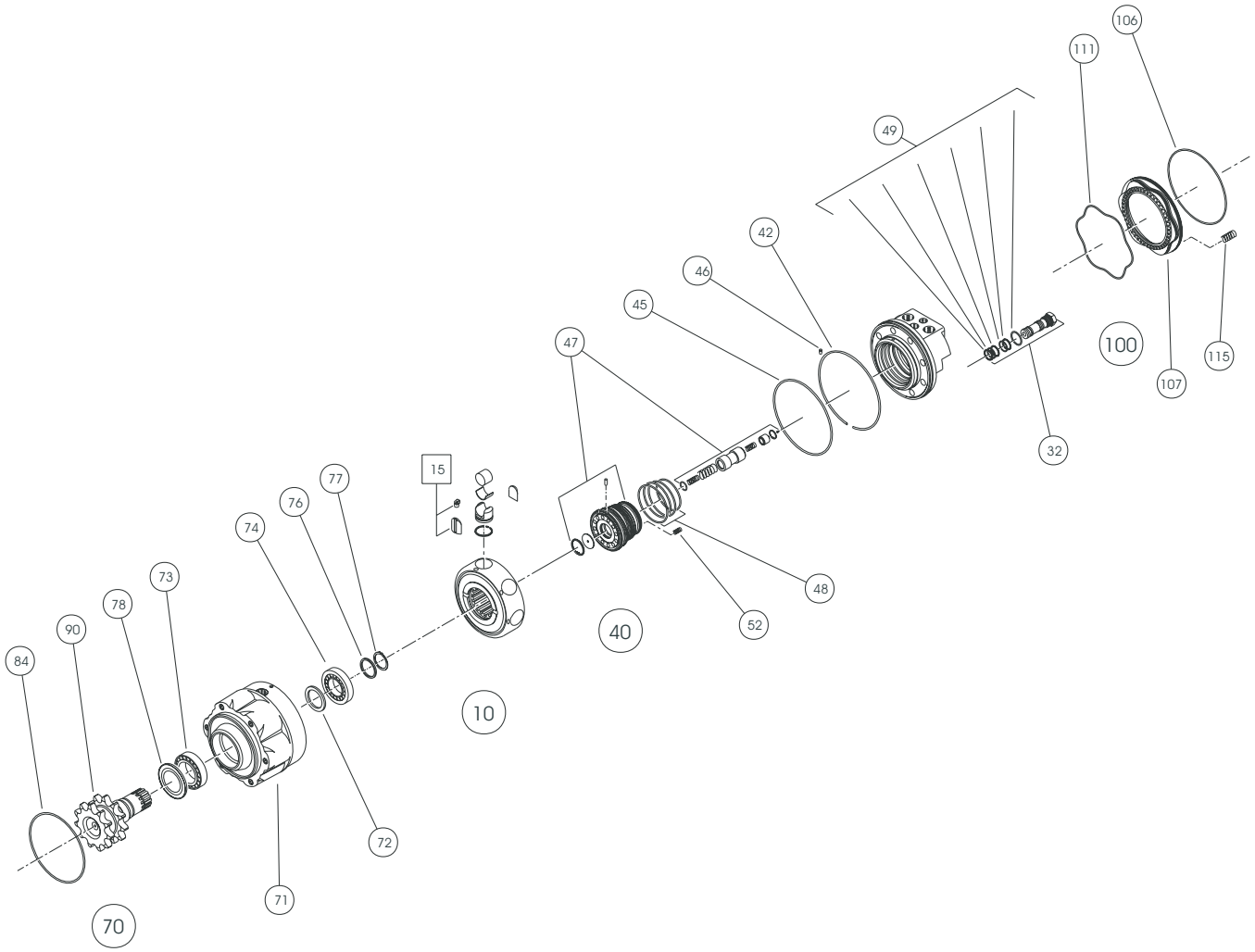
193672_193673

Ref. No.	Part No.	Description	Quantity 4640/4840 Two-Speed
	193672a	MOTOR/TWO-SPEED RIGHT	1
	193673a	MOTOR/TWO-SPEED LEFT	1
1	194233	ASSEMBLY/CYLINDER BLOCK	1
2	194234	KIT/PISTON REPAIR	1
3	194235	ASSEMBLY/VALVING COVER	1
4	194236	PIN/DOWEL	1
5	194237	PIN/DOWEL	1
6	184986	WASHER/SPRING	1
7	184987	O-RING	1
8	194238	ASSEMBLY/VALVING	1
9	194239	ASSEMBLY/TWO-SPEED SPOOL	1
10	194240	ASSEMBLY/BEARING SUPPORT #80-18	1
11	194244	KIT/BEARING	1
12	194246	SHAFT #80-18 SPROCKETS	1
13	194247	ASSEMBLY/BRAKE	1
14	194248	SPRING/BRAKE	8
15	194249	PISTON/BRAKE	1
16	194250	O-RING/BRAKE PISTON	1
17	186016	O-RING	1
18	184991	VALVING/SHUTTLE	1
	184992	KIT/SEAL	1
REF	194251	KIT/SEAL COMPLETE	1

a) 4640 Models: SN 309651 and Up. 4840 Models: SN 410844 and Up

Two-Speed - 4640 and 4840 Models

4640 Models: SN 309650 and Before
4840 Models: SN 410843 and Before





005543897a

Ref. No.	Part No.	Description	Quantity 4640/4840 Two-Speed
	140570c	MOTOR/TWO-SPEED RIGHT	1
	140571c	MOTOR/TWO-SPEED LEFT	1
10	184983	ASSEMBLY/CYLINDER BLOCK	1
15	184984	KIT/REPAIR	1
40	184985	ASSEMBLY/VALVING COVER	1
42	184986	WASHER/SPRING	1
45	184987	O-RING	1
46	184988	DOWEL	1
47	184989	VALVING	1
48	184990	KIT/SEAL	1
52	132621	SPRING	4
32	184991	VALVING	1
49	184992	KIT/SEAL	1
70	186021	ASSEMBLY/BEARING SUPPORT	1
71	186022	SUPPORT/BEARING	1
72	184995	SHIM/BEARING SUPPORT	1
73	184996	BEARING/ROLLER	1
74	132625	BEARING/ROLLER	1
76	184997	RING/THRUST	1
77	184998	RING/SNAP	1
78	184999	RING/SEAL	1
84	REF	O-RING	1
90	186000	SHAFT	1
100	186001	ASSEMBLY/BRAKE	1
106	186015	O-RING	1
107	186017	PISTON/BRAKE	1
111	186016	O-RING	1
115	186018	KIT/SPRING	1
150	186019ac	KIT/SEAL	1
	186020b	KIT/SEAL	1
	186026d	KIT/SEAL	1
	186027ce	KIT/SEAL	1

a) 186019 Seal Kit includes Ref. #'s 45, 84, 106 and 111.

b) 186020 Seal Kit includes Ref. #'s 48, 49, 72, 78 and Seal Kit P/N 186019.

c) 4640 Models: SN 309650 and Before. 4840 Models: SN 410843 and Before

d) 186026 Seal Kit includes #45, #84 and 106.

e) 186027 Seal Kit includes Ref. #'s 48, 49, 72, 78 and Seal Kits P/N's 186019 and 186026.

Single Speed - 5640 and 6640 Models

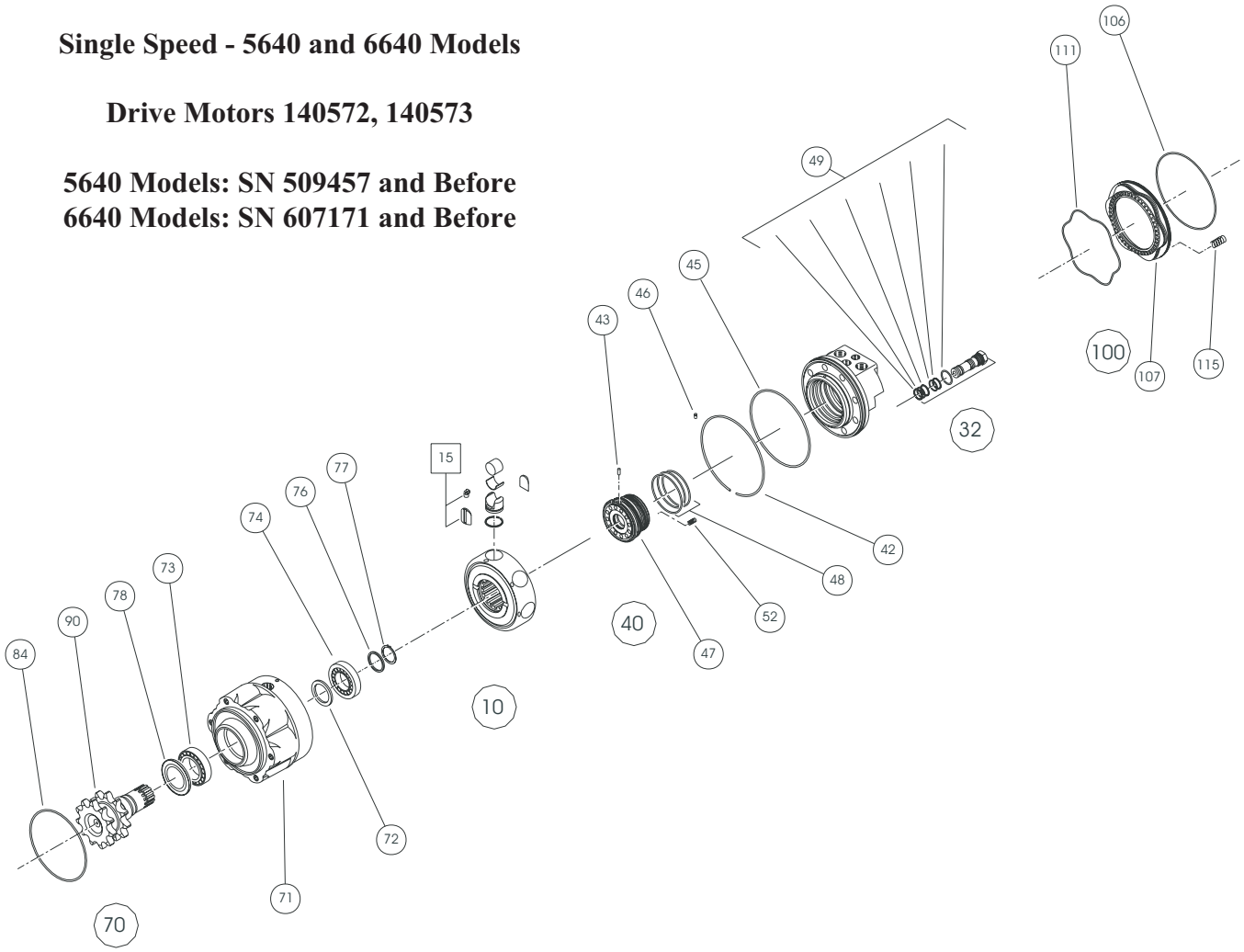
Drive Motors 195101, 195102

5640 Models: SN 509458 and Up
6640 Models: SN 607172 and Up

Single Speed - 5640 and 6640 Models

Drive Motors 140572, 140573

5640 Models: SN 509457 and Before
6640 Models: SN 607171 and Before





005543893v

Ref. No.	Part No.	Description	Quantity 5640/6640 Single Speed
	195101d	MOTOR/SINGLE SPEED RIGHT	1
	140572c	MOTOR/SINGLE SPEED RIGHT	1
	195102d	MOTOR/SINGLE SPEED LEFT	1
	140573c	MOTOR/SINGLE SPEED LEFT	1
10	194233d	ASSEMBLY/CYLINDER BLOCK	1
	184983c	ASSEMBLY/CYLINDER BLOCK	1
15	194234d	KIT/PISTON REPAIR	1
	184984c	KIT/REPAIR	1
40	195691d	ASSEMBLY/VALVING W/DISTR	1
	186023c	ASSEMBLY/VALVING COVER	1
42	184986	WASHER/SPRING	1
43	194236d	PIN/DOWEL	1
	186024c	PIN/SPLIT	1
45	184987	O-RING	1
46	194237d	PIN/DOWEL	1
	184988c	DOWEL	1
47	195692d	VALVING (INCLUDES ITEMS 47, 48 AND 52)	1
	186025c	VALVING	1
48	186026	KIT/SEAL	1
52	132621	SPRING	6
32	184991	VALVING/SHUTTLE	1
49	184992	KIT/SEAL	1
70	194252d	ASSEMBLY/BEARING SUPPORT #100-14	1
	186021c	ASSEMBLY/BEARING SUPPORT	1
71	186022	SUPPORT/BEARING	1
72	194244d	KIT/BEARING (INCLUDES ITEMS 72, 73, 74, 76, 77 AND 78)	1
	184995c	SHIM/BEARING SUPPORT (INCLUDED IN FOLLOWING KITS: 194244, 186027)	1
73	184996c	BEARING/ROLLER	1
74	132625c	BEARING/ROLLER	1
76	184997c	RING/THRUST	1
77	184998c	RING/SNAP	1
78	184999c	RING/SEAL	1
84	REF	O-RING	1
90	194253d	SHAFT #100-14 SPROCKETS	1
	186000c	SHAFT	1
100	194247d	ASSEMBLY/BRAKE	1
	186001c	ASSEMBLY/BRAKE	1
106	194250d	O-RING/BRAKE PISTON	1
	186015c	O-RING	1
107	194249d	PISTON/BRAKE	1
	186017c	PISTON/BRAKE	1
111	186016	O-RING	1
115	194248d	SPRING/BRAKE	8
	186018c	KIT/SPRING	1
150	195693d	KIT/SEAL COMPLETE	1
	186019ac	KIT/SEAL	1
	186027bc	KIT/SEAL	1
	186026e	KIT/SEAL	1

a) 186019 Seal Kit includes Ref. #'s 45, 84, 106 and 111.

b) 186027 Seal Kit includes Ref. #'s 48, 49, 72, 78 and Seal Kits P/N's 186019 and 186026.

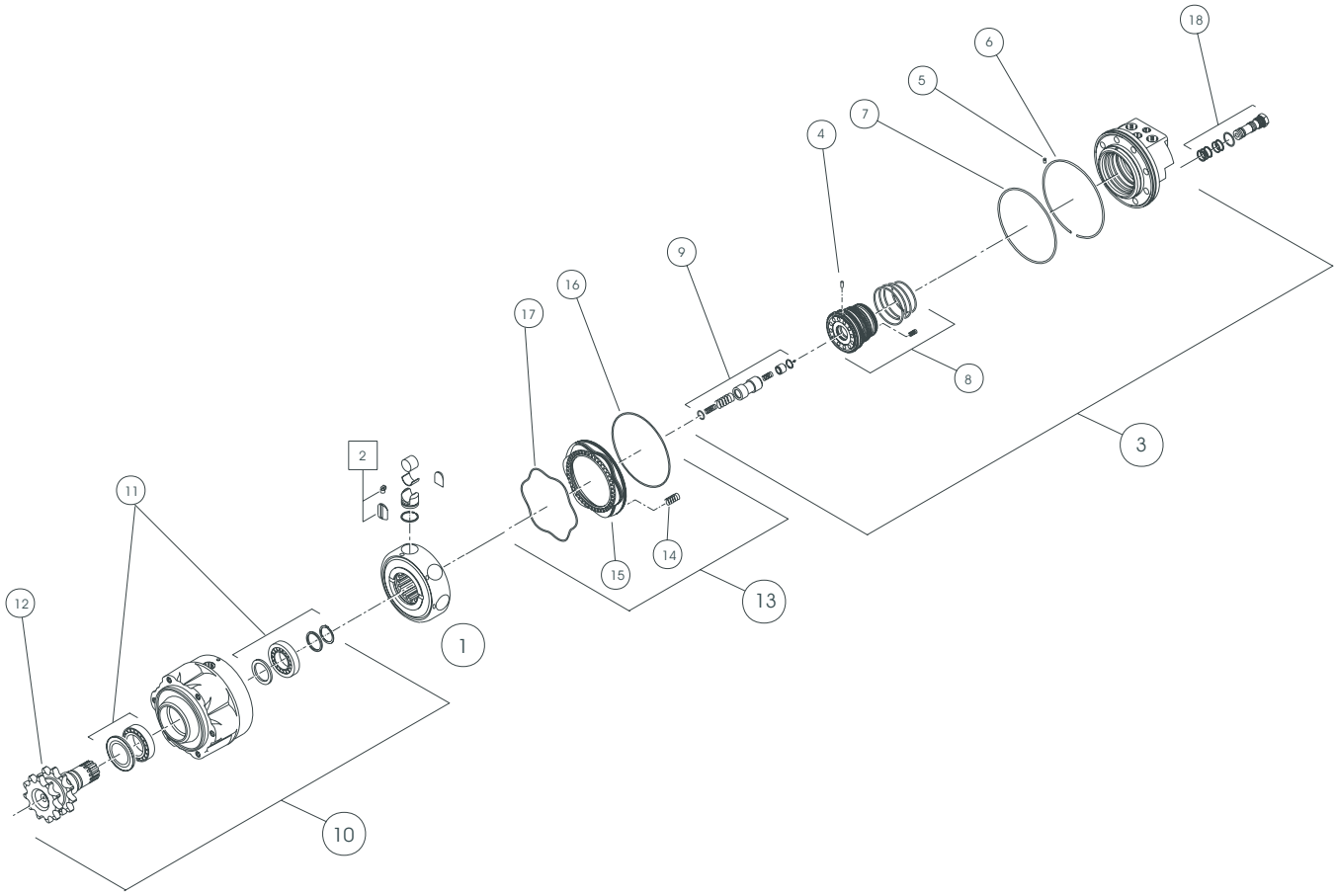
c) 5640Models: SN 509457 and Before. 6640 Models: SN 607171 and Before

d) 5640 Models: SN 509458 and Up. 6640 Models: SN 607172 and Up

e) 186026 Seal Kit includes #45, #84 and 106.

Two-Speed - 5640 and 6640 Models

5640 Models: SN 508952 and Up
6640 Models: SN 606835 and Up



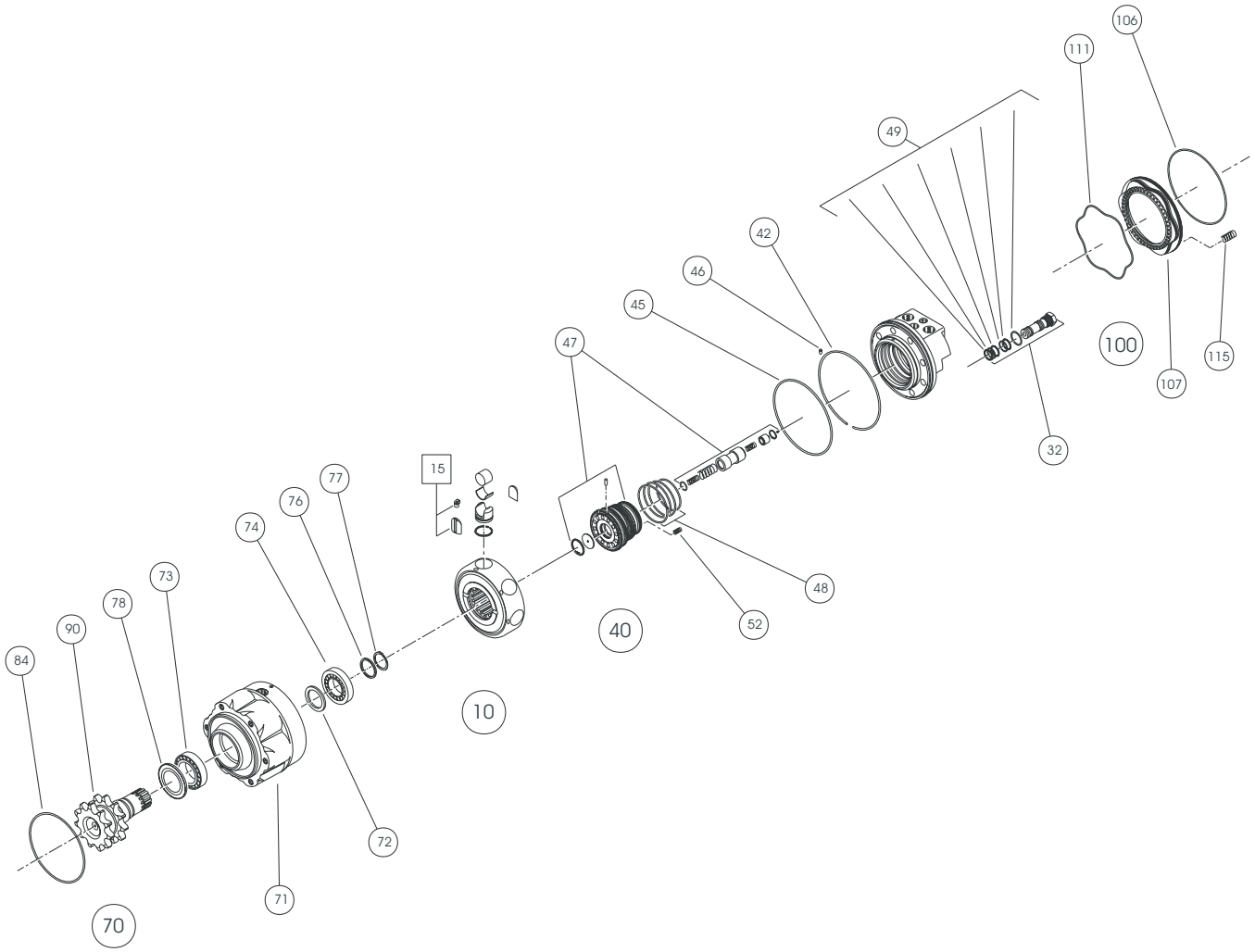
193674_193675

Ref. No.	Part No.	Description	Quantity 5640/6640 Two-Speed
	193674a	MOTOR/TWO-SPEED RIGHT	1
	193675a	MOTOR/TWO-SPEED LEFT	1
1	194233	ASSEMBLY/CYLINDER BLOCK	1
2	194234	KIT/PISTON REPAIR	1
3	194235	ASSEMBLY/VALVING COVER	1
4	194236	PIN/DOWEL	1
5	194237	PIN/DOWEL	1
6	184986	WASHER/SPRING	1
7	184987	O-RING	1
8	194238	ASSEMBLY/VALVING	1
9	194239	ASSEMBLY/TWO-SPEED SPOOL	1
10	194252	ASSEMBLY/BEARING SUPPORT #100-14	1
11	194244	KIT/BEARING	1
12	194253	SHAFT #100-14 SPROCKETS	1
13	194247	ASSEMBLY/BRAKE	1
14	194248	SPRING/BRAKE	8
15	194249	PISTON/BRAKE	1
16	194250	O-RING/BRAKE PISTON	1
17	186016	O-RING	1
18	184991	VALVING/SHUTTLE	1
	184992	KIT/SEAL	1
REF	194251	KIT/SEAL COMPLETE	1

a) a) 5640 Models: SN 508952 and Up. 6640 Models: SN 606835 and Up

Two-Speed - 5640 and 6640 Models

5640 Models: SN 508951 and Before
6640 Models: SN 606834 and Before



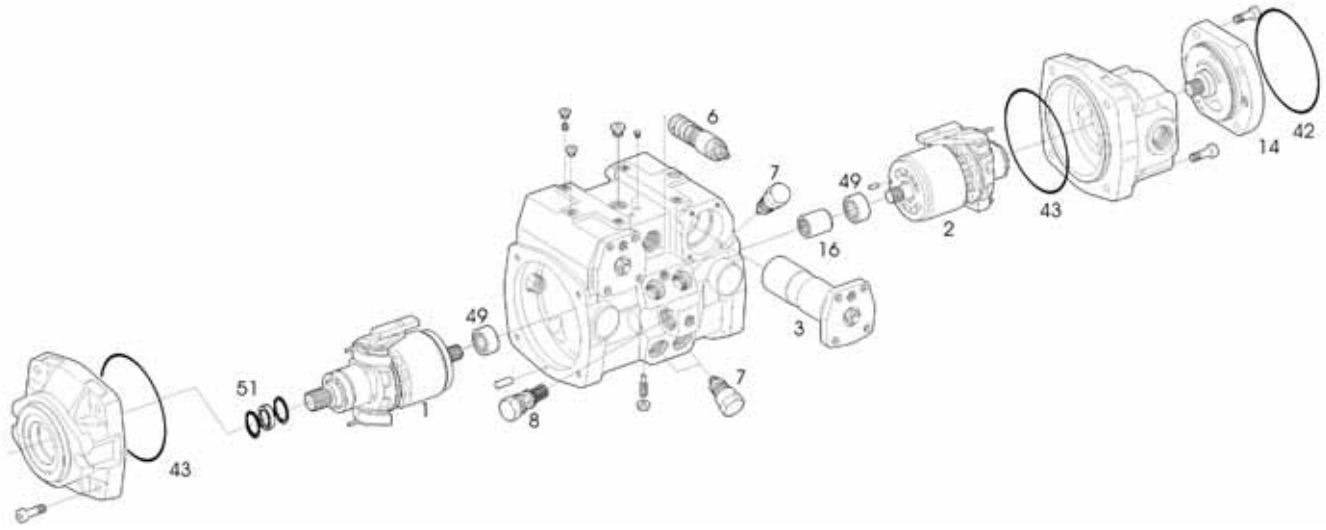


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Ref. No.	Part No.	Description	Quantity 5640/6640 Two-Speed
	140574c	MOTOR/TWO-SPEED RIGHT	1
	140575c	MOTOR/TWO-SPEED LEFT	1
10	184983	ASSEMBLY/CYLINDER BLOCK	1
15	184984	KIT/REPAIR	1
40	184985	ASSEMBLY/VALVING COVER	1
42	184986	WASHER/SPRING	1
45	184987	O-RING	1
46	184988	DOWEL	1
47	184989	VALVING	1
48	184990	KIT/SEAL	1
52	132621	SPRING	4
32	184991	VALVING	1
49	184992	KIT/SEAL	1
70	184993	ASSEMBLY/BEARING SUPPORT	1
71	184994	SUPPORT/BEARING	1
72	184995	SHIM/BEARING SUPPORT	1
73	184996	BEARING/ROLLER	1
74	132625	BEARING/ROLLER	1
76	184997	RING/THRUST	1
77	184998	RING/SNAP	1
78	184999	RING/SEAL	1
84	REF	O-RING	1
90	186000	SHAFT	1
100	186001	ASSEMBLY/BRAKE	1
106	186015	O-RING	1
107	186017	PISTON/BRAKE	1
111	186016	O-RING	1
115	186018	KIT/SPRING	1
150	186019ac	KIT/SEAL	1
	186020b	KIT/SEAL	1
	186026d	KIT/SEAL	1
	186027ce	KIT/SEAL	1

a) 186019 Seal Kit includes Ref. #'s 45, 84, 106 and 111.
b) 186020 Seal Kit includes Ref. #'s 48, 49, 72, 78 and Seal Kit P/N 186019.
c) a) 5640 Models: SN 508951 and Before. 6640 Models: SN 606834 and Before
d) 186026 Seal Kit includes #45, #84 and 106.
e) 186027 Seal Kit includes Ref. #'s 48, 49, 72, 78 and Seal Kits P/N's 186019 and 186026.

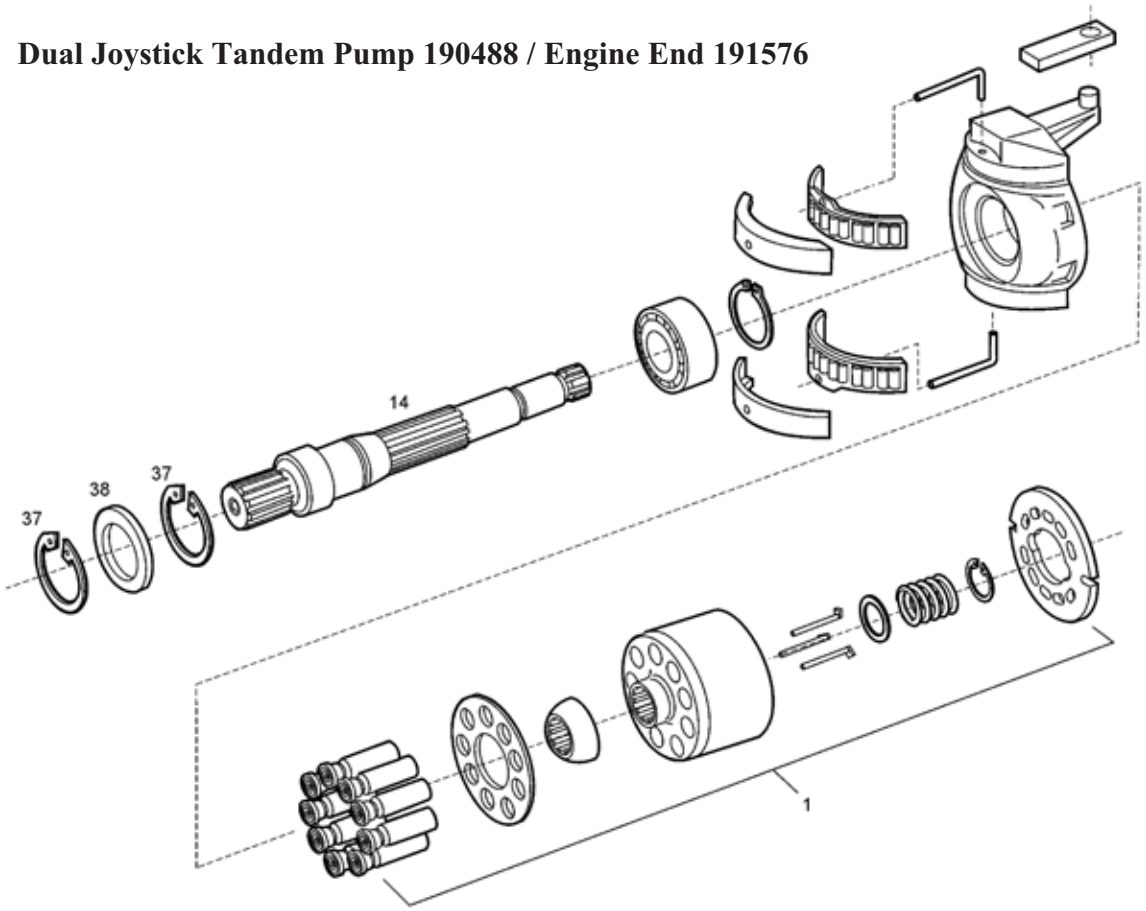
Dual Joystick Tandem Pump 190488



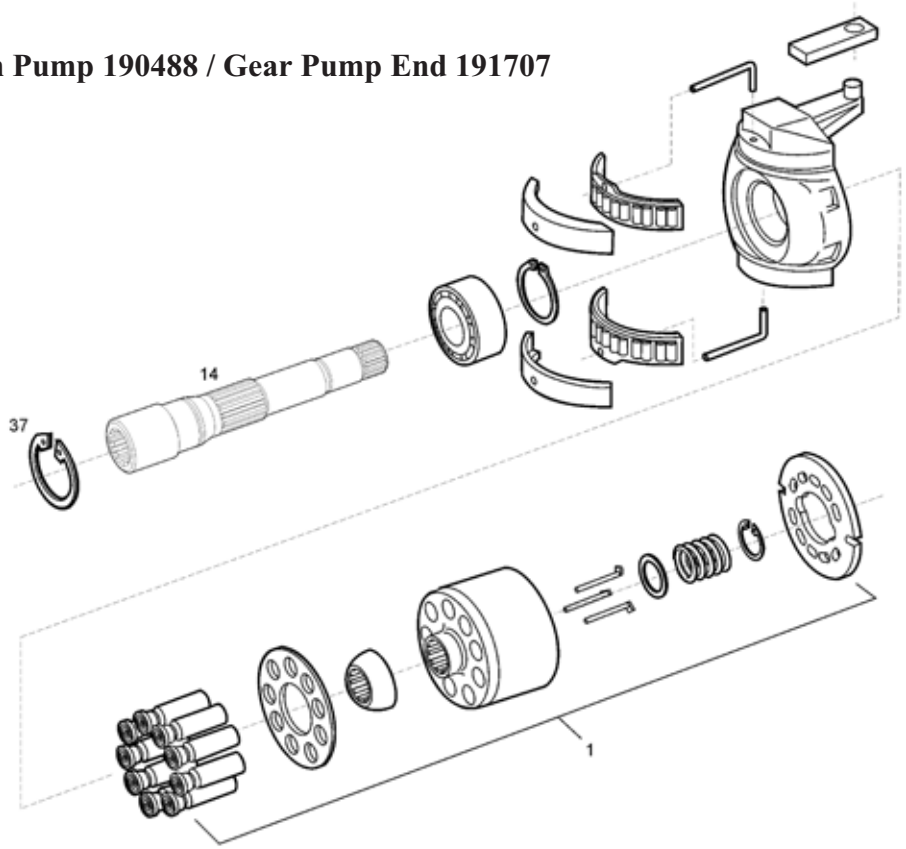
190488

Ref. No.	Part No.	Description	Quantity DJS Pump
	190488	PUMP/TANDEM	1
1	191576	ROTARY GROUP/RIGHT ROTATION	1
2	191707	ROTARY GROUP/LEFT ROTATION	1
3	191708	CONTROL/HYDRAULIC	2
6	191709	CARTRIDGE/CONTROL W/ ORIFICE ADJUSTED	1
7	191710	VALVE/PRESSURE RELIEF/HIGH PRESSURE	4
8	191711	VALVE/PRESSURE RELIEF/CHARGE	1
14	191712	PUMP/GEAR/INTERNAL	1
16	191713	COUPLING/THROUGH DRIVE	1
42	REF	O-RING	1
43	REF	O-RING	2
49	191714	BEARING/PLAIN ROLLER	2
51	191718	RING/SHAFT SEAL	1
	191722	KIT/SEAL (INCLUDES ITEMS 42, 43, AND 51)	1

Dual Joystick Tandem Pump 190488 / Engine End 191576



Dual Joystick Tandem Pump 190488 / Gear Pump End 191707

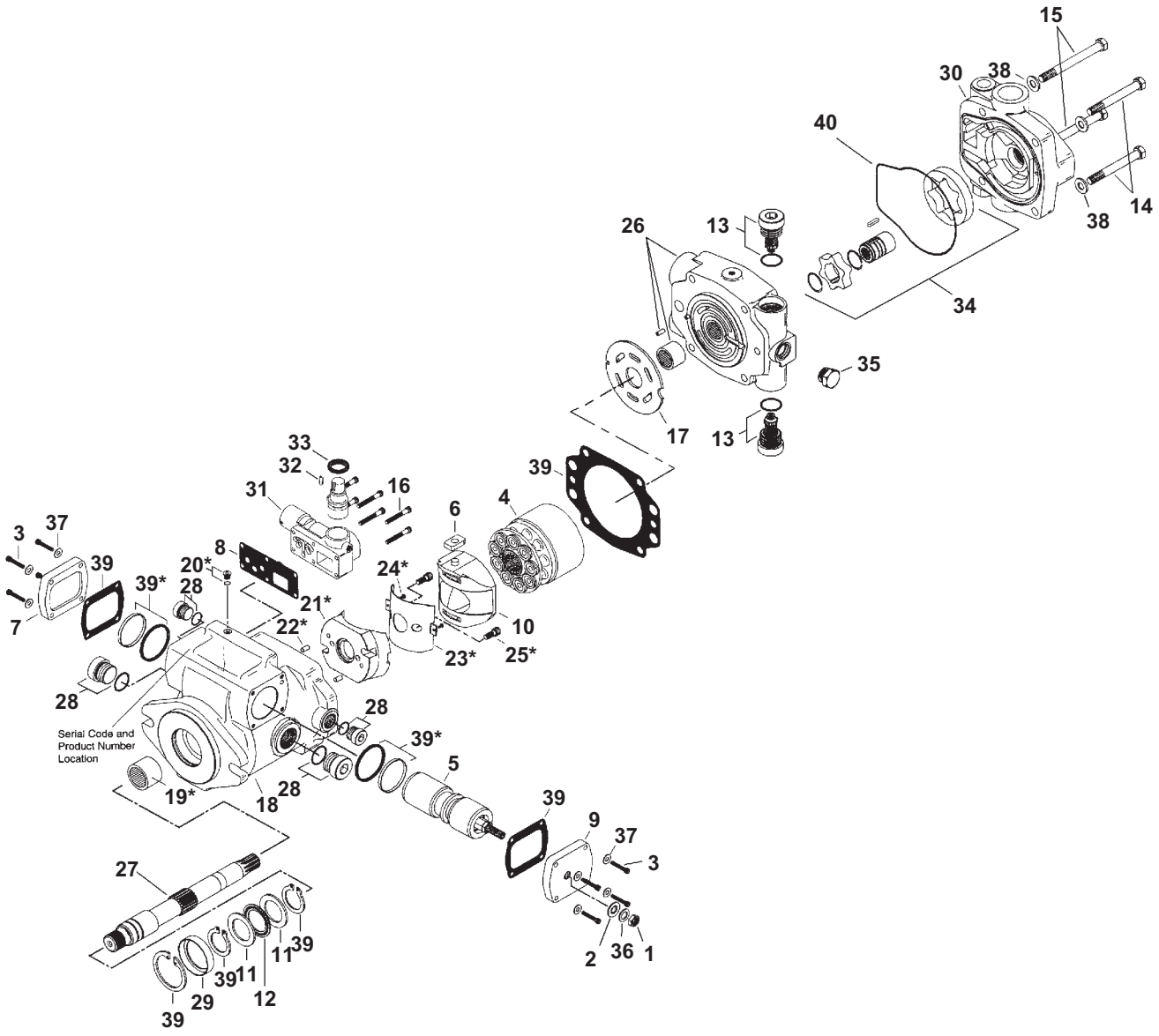


190488

Ref. No.	Part No.	Description	Quantity DJS Pump 191576 Engine End
	191576	ROTARY GROUP/RIGHT ROTATION	1
1	191715	ROTARY GROUP/RIGHT ROTATION/SUB	1
14	191716	DRIVE SHAFT/RIGHT ROTATION	1
37	191717	SEEGER-V-RING	2
38	191718	RING/SHAFT SEAL	1

Ref. No.	Part No.	Description	Quantity DJS Pump 191707 Pump End
	191707	ROTARY GROUP/LEFT ROTATION	1
1	191719	ROTARY GROUP/LEFT ROTATION/SUB	1
14	191720	DRIVE SHAFT/LEFT ROTATION	1
37	191717	SEEGER-V-RING	1

Tandem Pump 186913 / Gear Pump End 186912 - 4640/4840 Models



Asterisk (*) reference numbers are included in reference number (18) housing assembly.

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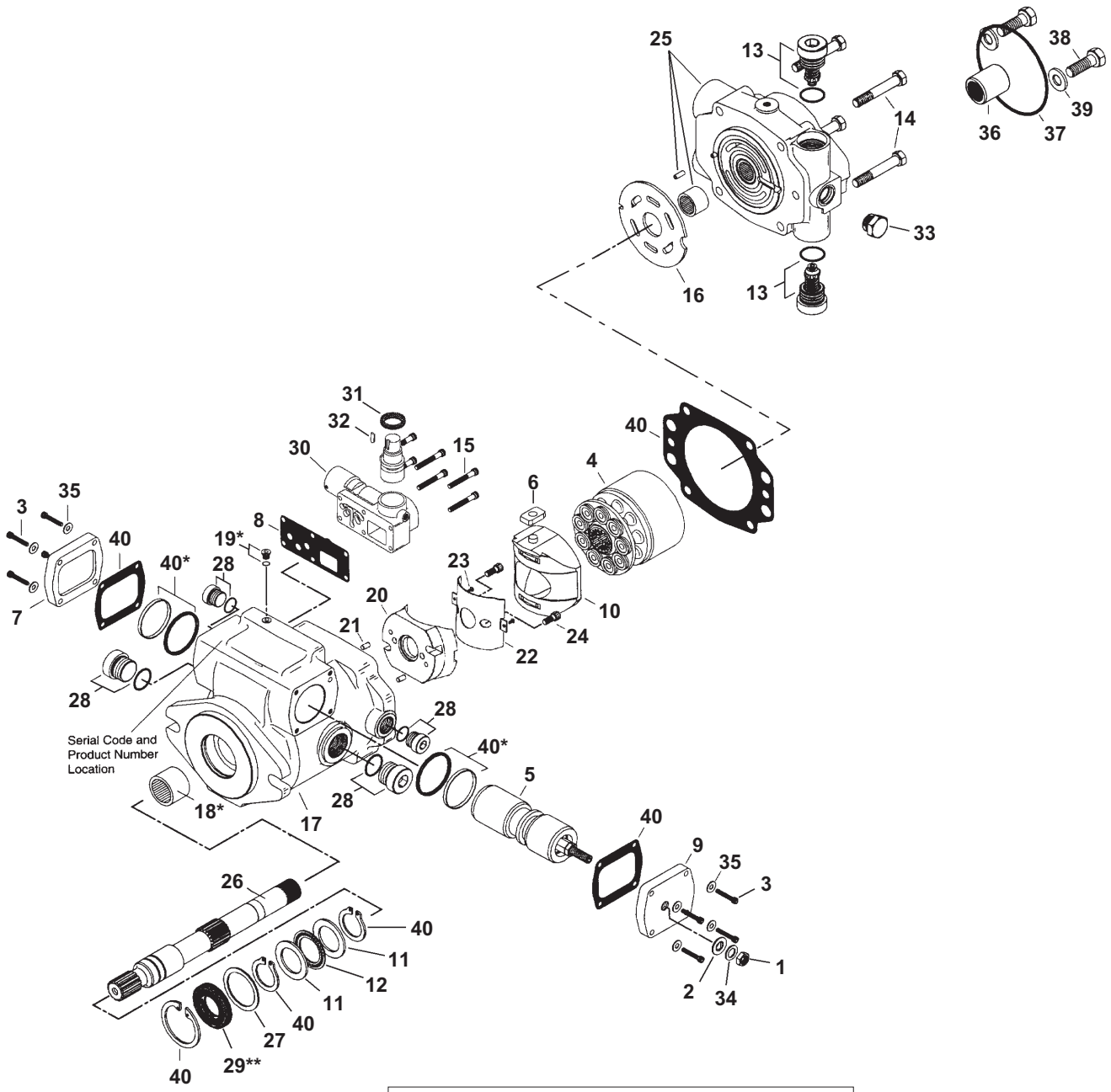
Ref. No.	Part No.	Description	Quantity 4640/4840
	186912	PUMP/TANDEM GEAR PUMP END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	123070	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073	PLATE/COVER	1
8	127989	GASKET	1
9	123079	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI	2
	048953	O-RING	1
14	650731	SCREW/CAP HEX HEAD 3/8 X 3-1/2	2
15	650742	SCREW/CAP HEX HEAD 3/8 X 4	2
16	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
17	123084	PLATE/VALVE	1
18	187380b	ASSEMBLY/HOUSING	1
	136979ac	ASSEMBLY/HOUSING	1
19	055306	BEARING	1
20	136985	PLUG/SAE04	1
21	136980	CRADLE	1
22	127679	PIN/DOWEL	2
23	136981	BUSHING/CAM	1
24	136994	SCREW/CAP BUTTON HEAD	2
25	136982	SCREW/CAP	2
26	136983	ASSEMBLY/BACKPLATE	1
27	123129	SHAFT/DRIVE	1
28	131529	PLUG/SAE08	4
29	123094	SPACER	1
30	135445	ADAPTER ASSEMBLY/CHARGE	1
31	187382b	ASSEMBLY/CONTROLLER (Includes #32 and #33)	1
	132649ac	ASSEMBLY/CONTROLLER (Includes #32 and #33)	1
32	127990	KEY	1
33	136986	SEAL/WIPER	1
34	136987	KIT/GEROTOR SEAL (DOES NOT INCLUDE THE 123088 O-RING - REF ITEM #40)	1
35	136995	PLUG/SAE08	1
36	123110	WASHER	1
37	650854	WASHER/FLAT #12	8
38	136988	WASHER	4
39	128108	KIT/SEAL	1
40	123088	O-RING (NOT A PART OF THE GEROTOR KIT 136987 - REF ITEM #34)	1

a) 4640: SN 306596 and Before. 4840: SN 406838 and Before

b) 4640: SN 306597 and Up. 4840: SN 406839 and Up

c) Order 90° fitting adapter, PN 095601 with these parts.

Tandem Pump 186913 / Engine End 186916 - 4640/4840 Models



Asterisk (*) reference numbers are included in reference number (17) housing assembly. Double asterisk (**) reference number is included in seal kit reference number (40).

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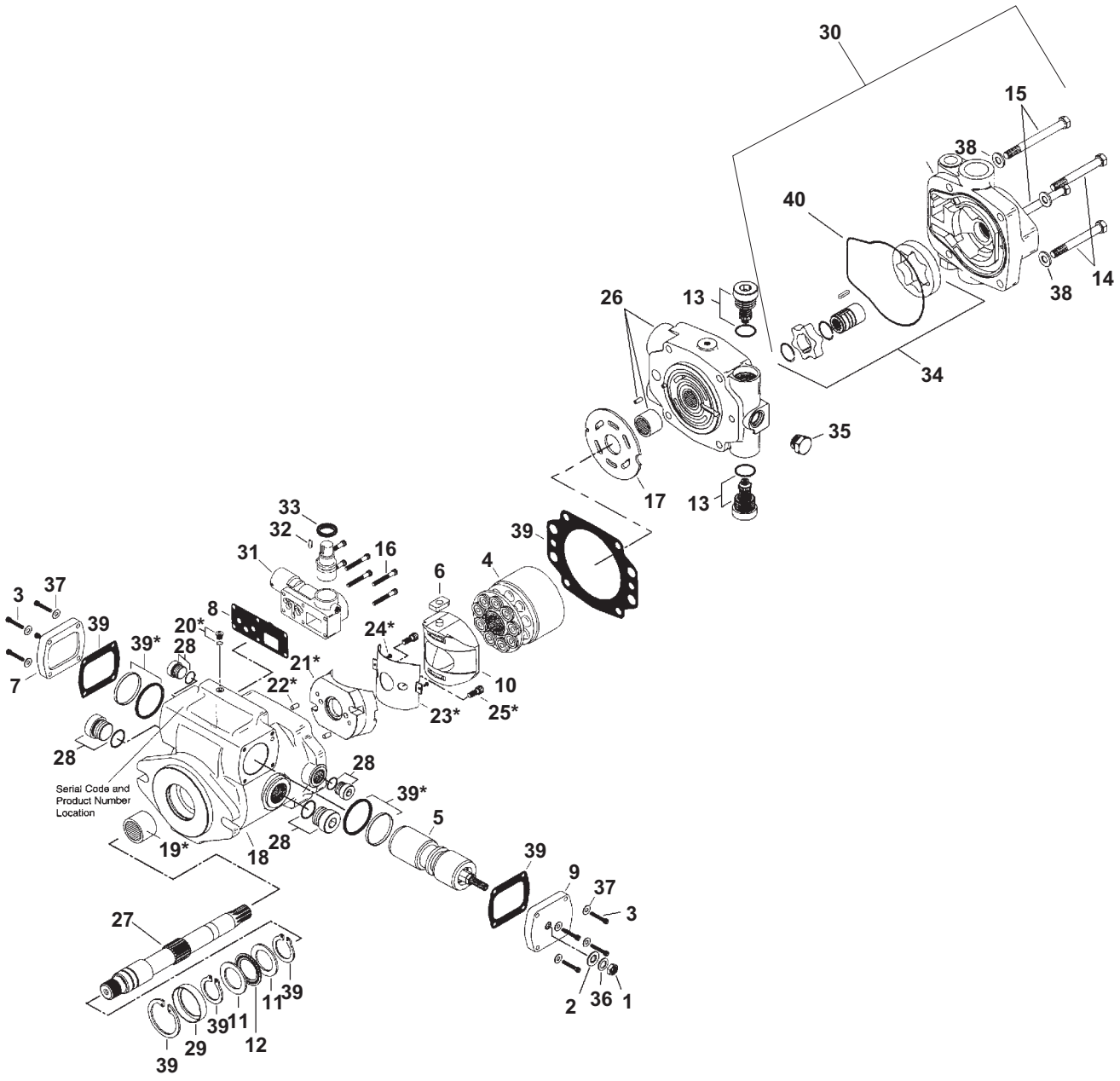
Ref. No.	Part No.	Description	Quantity 4640/4840
	186916	PUMP/TANDEM ENGINE END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	123070	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073	PLATE/COVER	1
8	127989	GASKET	1
9	123079	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI	2
	048953	O-RING	1
14	650535	SCREW/CAP HEX HEAD 3/8 X 2-1/4	4
15	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
16	123084	PLATE/VALVE	1
17	187381b	ASSEMBLY/HOUSING	1
	137017ac	ASSEMBLY/HOUSING	1
18	055306	BEARING	1
19	136985	PLUG/SAE04	1
20	136980	CRADLE	1
21	127679	PIN/DOWEL	2
22	136981	BUSHING/CAM	1
23	136994	SCREW/CAP BUTTON HEAD	2
24	136982	SCREW/CAP	2
25	137016	ASSEMBLY/BACKPLATE	1
26	123087	SHAFT/DRIVE	1
27	060748	WASHER	1
28	131529	PLUG/SAE08	4
29	123093	SEAL/SHAFT	1
30	187382b	ASSEMBLY/CONTROLLER (Includes #31 and #32)	1
	132649ac	ASSEMBLY/CONTROLLER (Includes #31 and #32)	1
31	136986	SEAL/WIPER	1
32	127990	KEY	1
33	136995	PLUG/SAE08	1
34	123110	WASHER	1
35	650854	WASHER/FLAT #12	8
36	123114	COUPLER	1
37	132248	O-RING	1
38	650433	SCREW/CAP 1/2 X 1-1/4	2
39	654009	WASHER/FLAT 1/2	2
40	128108	KIT/SEAL	1

a) 4640: SN 306596 and Before. 4840: SN 406838 and Before

b) 4640: SN 306597 and Up. 4840: SN 406839 and Up

c) Order 90° fitting adapter, PN 095601 with these parts.

Tandem Pump 186918 / Gear Pump End 186919 - 5640/6640 Models



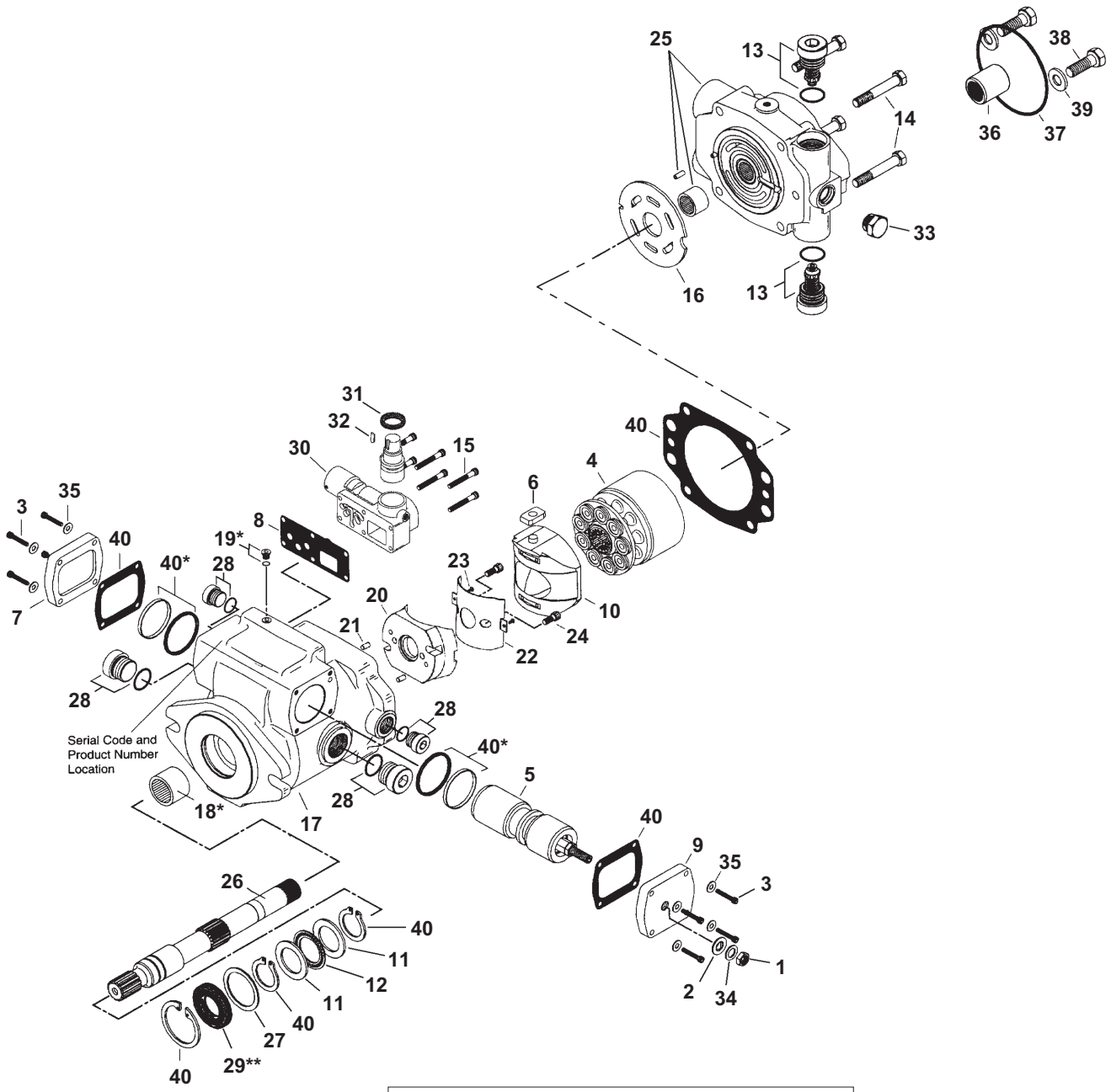
Asterisk (*) reference numbers are included in reference number (18) housing assembly.

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Ref. No.	Part No.	Description	Quantity 5640/6640
	186919	PUMP/TANDEM GEAR PUMP END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	184567	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073	PLATE/COVER	1
8	127989	GASKET	1
9	123079	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI (DRIVES)	2
	048953	O-RING	1
14	650731	SCREW/CAP HEX HEAD 3/8 X 3-1/2	2
15	650742	SCREW/CAP HEX HEAD 3/8 X 4	4
16	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
17	189279	PLATE/VALVE	1
18	187380b	ASSEMBLY/HOUSING	1
	136979a	ASSEMBLY/HOUSING	1
19	055306	BEARING	1
20	136985	PLUG/SAE04	1
21	136980	CRADLE	1
22	127679	PIN/DOWEL	2
23	136981	BUSHING/CAM	1
24	136994	SCREW/CAP BUTTON HEAD	2
25	136982	SCREW/CAP	2
26	184569	ASSEMBLY/BACKPLATE	1
27	132654	SHAFT/DRIVE	1
28	131529	PLUG/SAE08	4
29	123094	SPACER	1
30	132651	ADAPTER ASSEMBLY/CHARGE (INCLUDES #34)	1
31	187382b	ASSEMBLY/CONTROLLER (Includes #32 and #33)	1
	132649a	ASSEMBLY/CONTROLLER (Includes #32 and #33)	1
32	127990	KEY	1
33	136986	SEAL/WIPER	1
34	132652	KIT/GEROTOR (DOES NOT INCLUDE THE 123088 O-RING - REF ITEM #40)	1
35	136995	PLUG/SAE08	1
36	123110	WASHER	1
37	650854	WASHER/FLAT #12	8
38	136988	WASHER	4
39	128108	KIT/SEAL	1
40	123088	O-RING (NOT A PART OF THE GEROTOR KIT 132652 - REF ITEM #34)	1

a) 5640: SN 504916 and Before. 6640: SN 604514 and Before. Order 90° fitting adapter, PN 095601 with these parts.
b) 5640: SN 504917 and Up. 6640: SN 604515 and Up

Tandem Pump 186918 / Engine End 186920 - 5640/6640 Models



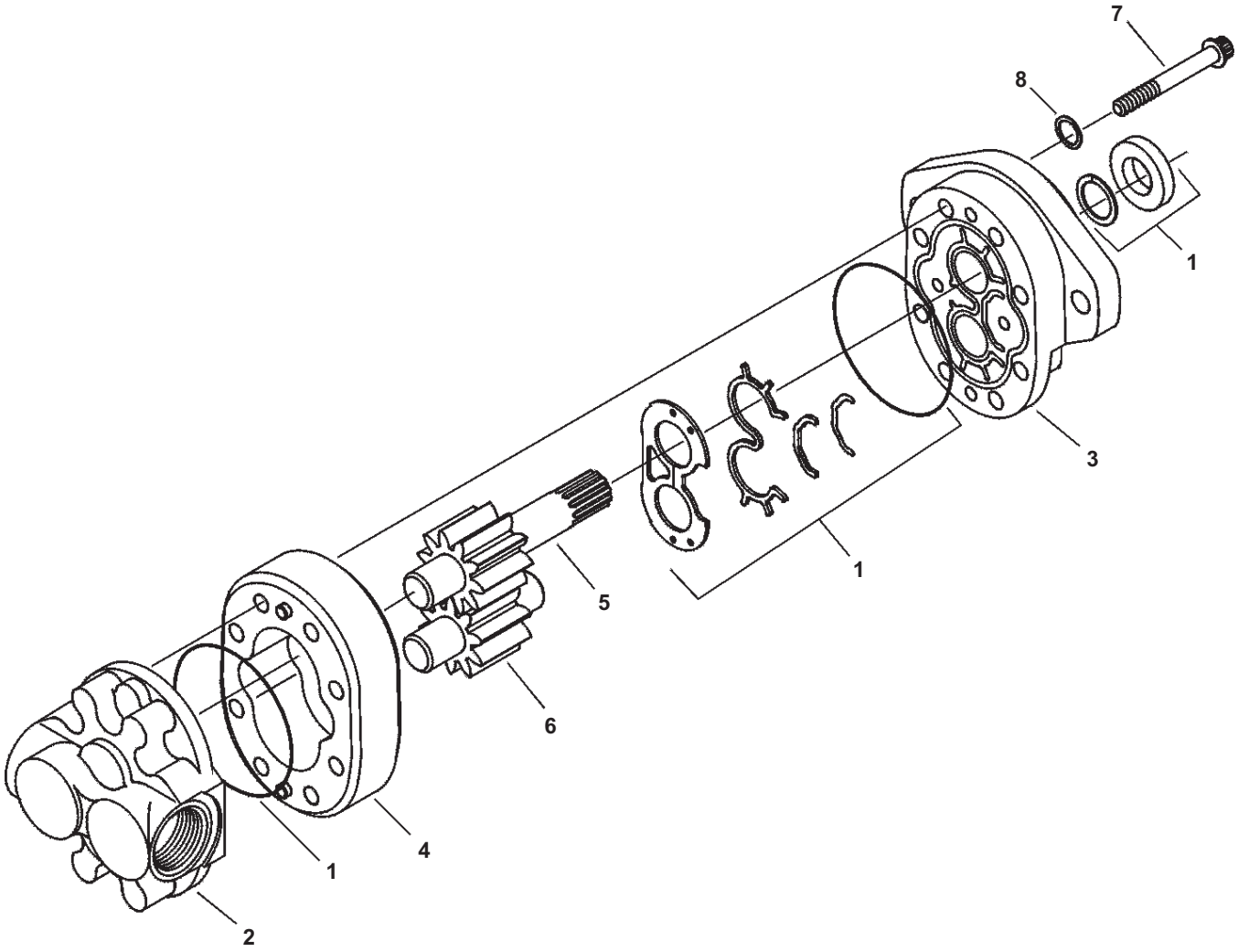
Asterisk (*) reference numbers are included in reference number (17) housing assembly. Double asterisk (**) reference number is included in seal kit reference number (40).

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Ref. No.	Part No.	Description	Quantity 5640/6640
	186920	PUMP/TANDEM ENGINE END	1
1	123067	NUT/JAM	1
2	123069	WASHER/SEAL	1
3	123122	SCREW/CAP HEX SOCKET HEAD #12 X 1	8
4	184567	KIT/ROTATING	1
5	136978	PISTON/SERVO	1
6	128106	FOLLOWER/PISTON	1
7	123073	PLATE/COVER	1
8	127989	GASKET	1
9	123079	PLATE/COVER	1
10	123080	PLATE/CAM	1
11	060745	BEARING/RACE THRUST	2
12	060746	BEARING/THRUST	1
13	132647	VALVE/RELIEF 5500 PSI (DRIVES)	2
	048953	O-RING	1
14	650535	SCREW/CAP HEX HEAD 3/8 X 2-1/4	4
15	123123	SCREW/CAP HEX SOCKET HEAD #12 X 1-1/2	6
16	189279	PLATE/VALVE	1
17	187381b	ASSEMBLY/HOUSING	1
	137017a	ASSEMBLY/HOUSING	1
18	055306	BEARING	1
19	136985	PLUG/SAE04	1
20	136980	CRADLE	1
21	127679	PIN/DOWEL	2
22	136981	BUSHING/CAM	1
23	136994	SCREW/CAP BUTTON HEAD	2
24	136982	SCREW/CAP	2
25	184570	ASSEMBLY/BACKPLATE	1
26	123087	SHAFT/DRIVE	1
27	060748	WASHER	1
28	131529	PLUG/SAE08	4
29	123093	SEAL/SHAFT	1
30	187382b	ASSEMBLY/CONTROLLER (Includes #31 and #32)	1
	132649a	ASSEMBLY/CONTROLLER (Includes #31 and #32)	1
31	136986	SEAL/WIPER	1
32	127990	KEY	1
33	136995	PLUG/SAE08	1
34	123110	WASHER	1
35	650854	WASHER/FLAT #12	8
36	123114	COUPLER	1
37	132248	O-RING	1
38	650433	SCREW/CAP 1/2 X 1-1/4	2
39	654009	WASHER/FLAT 1/2	2
40	128108	KIT/SEAL	1

a) 5640: SN 504916 and Before. 6640: SN 604514 and Before. Order 90° fitting adapter, PN 095601 with these parts.
b) 5640: SN 504917 and Up. 6640: SN 604515 and Up

4640 and 4840 Models

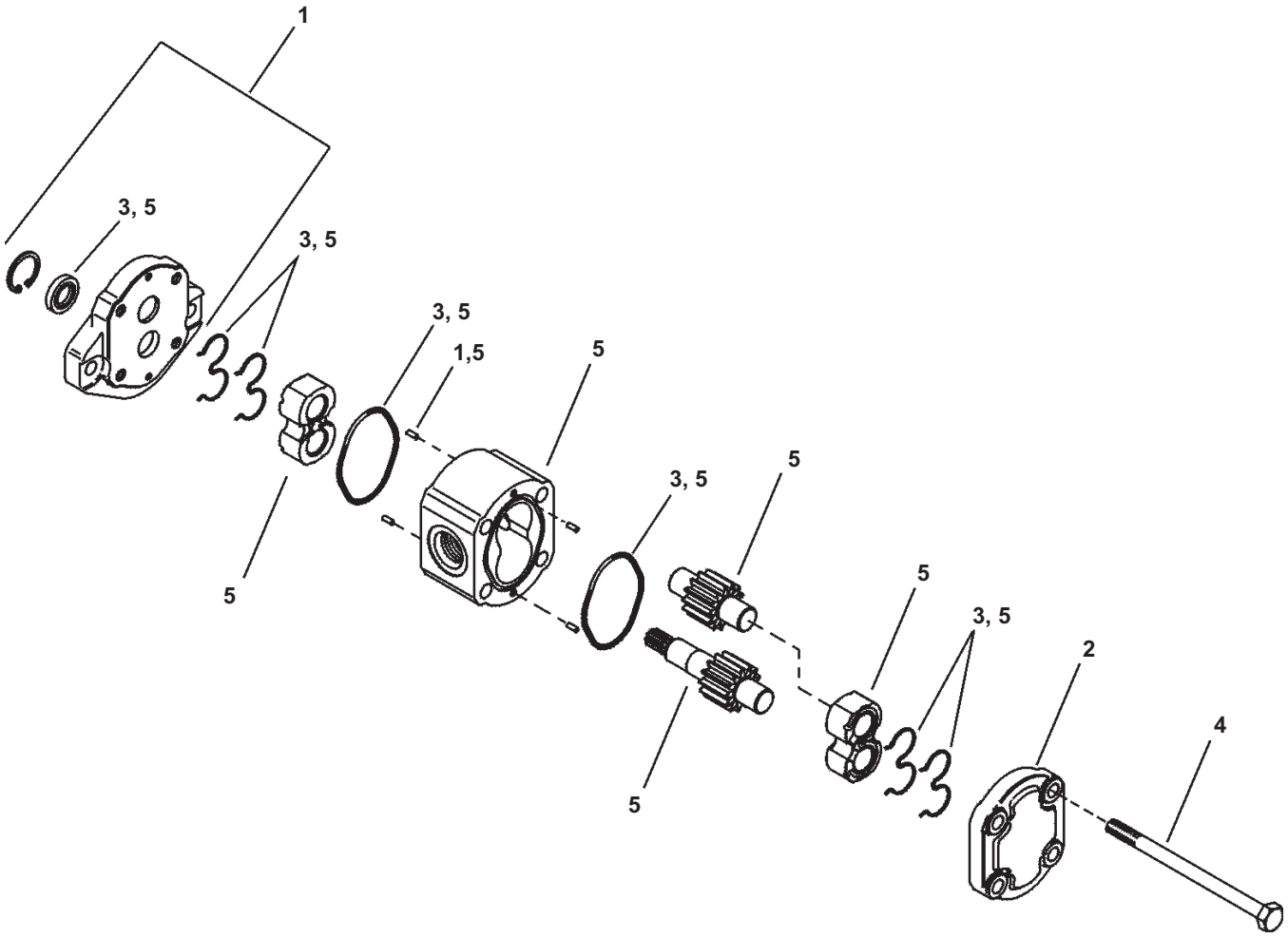


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Ref. No.	Part No.	Description	Quantity 4640/4840
	134878	PUMP/GEAR 1.77 SINGLE	1
1	134927	KIT/SEAL	1
2	130034	ASSEMBLY/BACK PLATE	1
3	130033	ASSEMBLY/FRONT PLATE	1
4	134924	ASSEMBLY/BODY	1
5	134926	ASSEMBLY/DRIVE GEAR	1
6	134925	GEAR/IDLER	1
7	603024	SCREW/CAP	8
8	130050	WASHER	4

4640/4840 Standard Auxiliary - Dual Joystick Controls

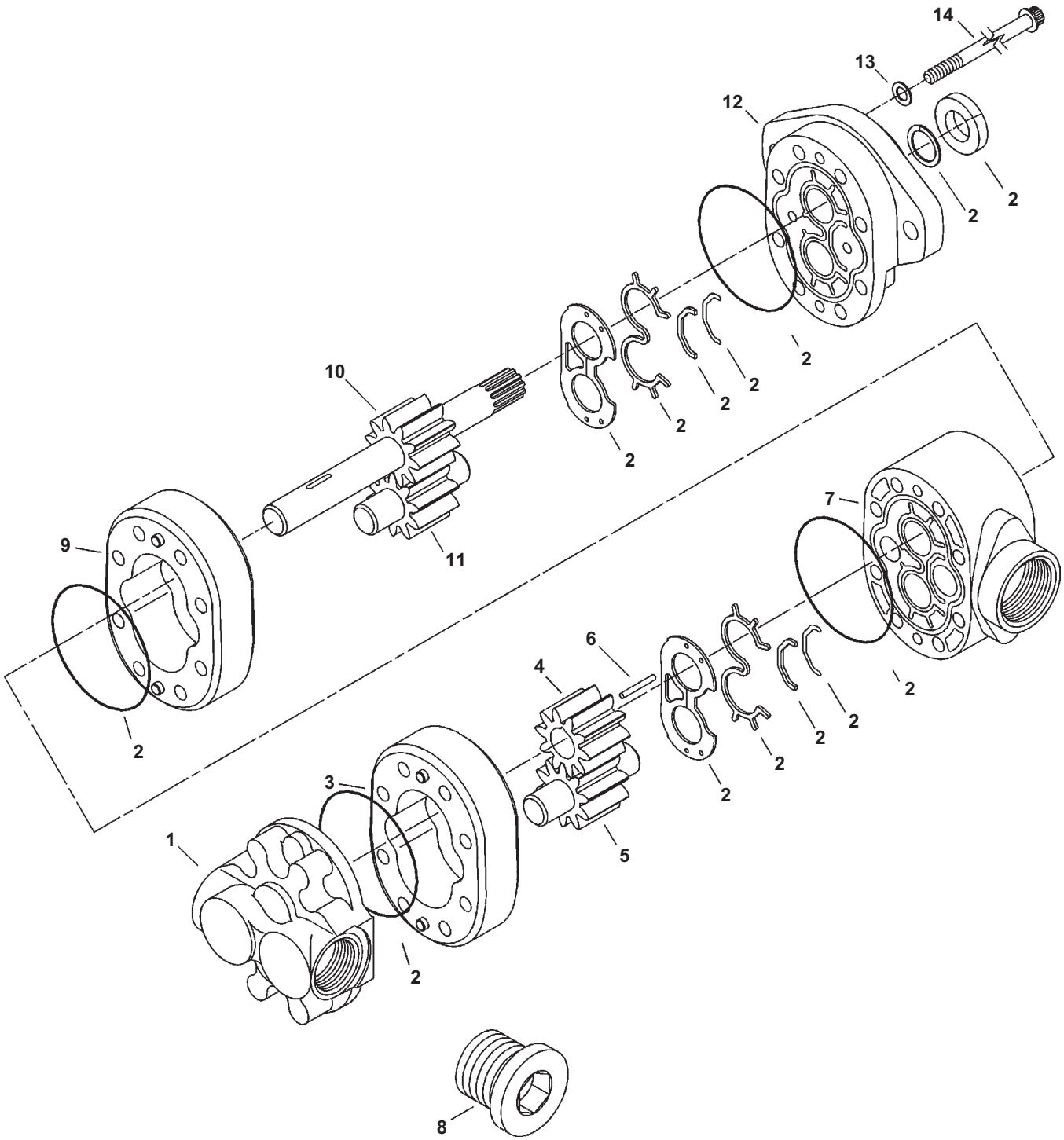
5640 and 6640 Models



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Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
	132067	PUMP/GEAR SINGLE 1.71	1	-
	135930	PUMP/GEAR SINGLE 2.01	-	1
1	132546	KIT/FLANGE - CONSISTS OF:	1	1
		FLANGE	1	1
		SEAL/SHAFT	1	1
		RING/SNAP	1	1
		PIN/DOWEL	2	2
2	132547	ENDCOVER	1	1
3	132541	KIT/SEAL - CONSISTS OF:	1	1
		SEAL/SHAFT	1	1
		RING/BACKUP	2	2
		E-SEAL	2	2
		O-RING	2	2
4	132548	SCREW/CAP M12 X 121MM	4	-
5	132551	KIT/HOUSING - CONSISTS OF:	1	-
		HOUSING	1	-
		PIN/DOWEL	2	-
		O-RING	2	-
		GEAR NO. 1	1	-
		GEAR NO. 2	1	-
		BEARING	2	-
		E-SEAL	2	-
		RING/BACKUP	2	-
		PIN/DOWEL	2	-

4640 and 4840 Models

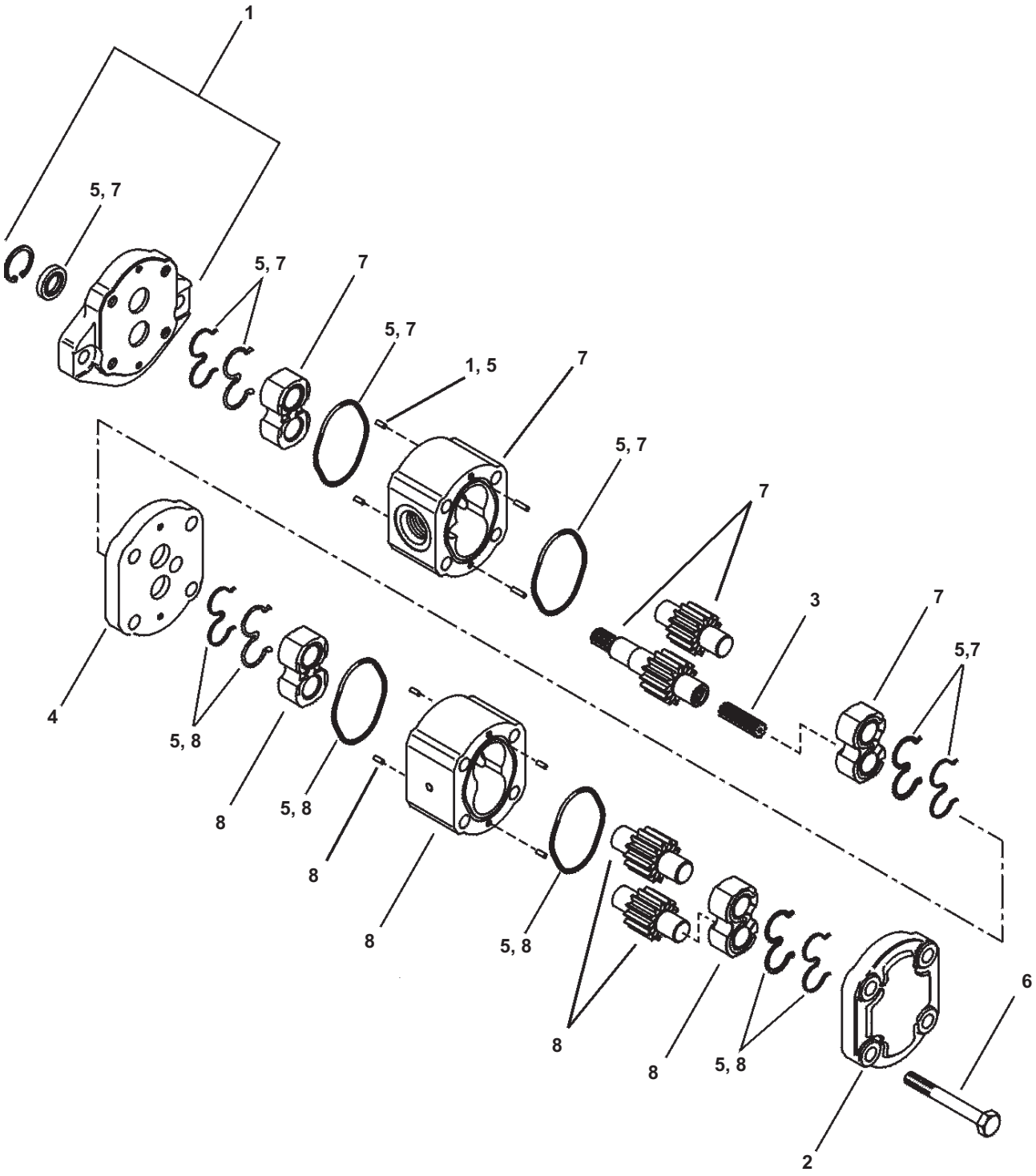


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Ref. No.	Part No.	Description	Quantity 4640/4840
	129706	PUMP/GEAR 1.77/1.02 DOUBLE	1
1	130034	ASSEMBLY/BACK PLATE	1
2	130059	KIT/SEAL DOUBLE PUMP	1
3	130036	ASSEMBLY/BODY 1.02	1
4	130041	GEAR/SLIP FIT 1.02	1
5	130039	GEAR/IDLER 1.02	1
6	090047	KEY	1
7	130040	PLATE/ADAPTER 20/10	1
8	130046	PLUG/RUBBER	1
9	130035	ASSEMBLY/BODY 1.77	1
10	130037	GEAR/DRIVE 1.77	1
11	130038	GEAR/IDLER 1.77	1
12	130033	ASSEMBLY/FRONT PLATE	1
13	130050	WASHER	4
14	130051	SCREW/CAP 5/16 X 9-1/4	8

4640/4840 High Flow Auxiliary - Dual Joystick Controls

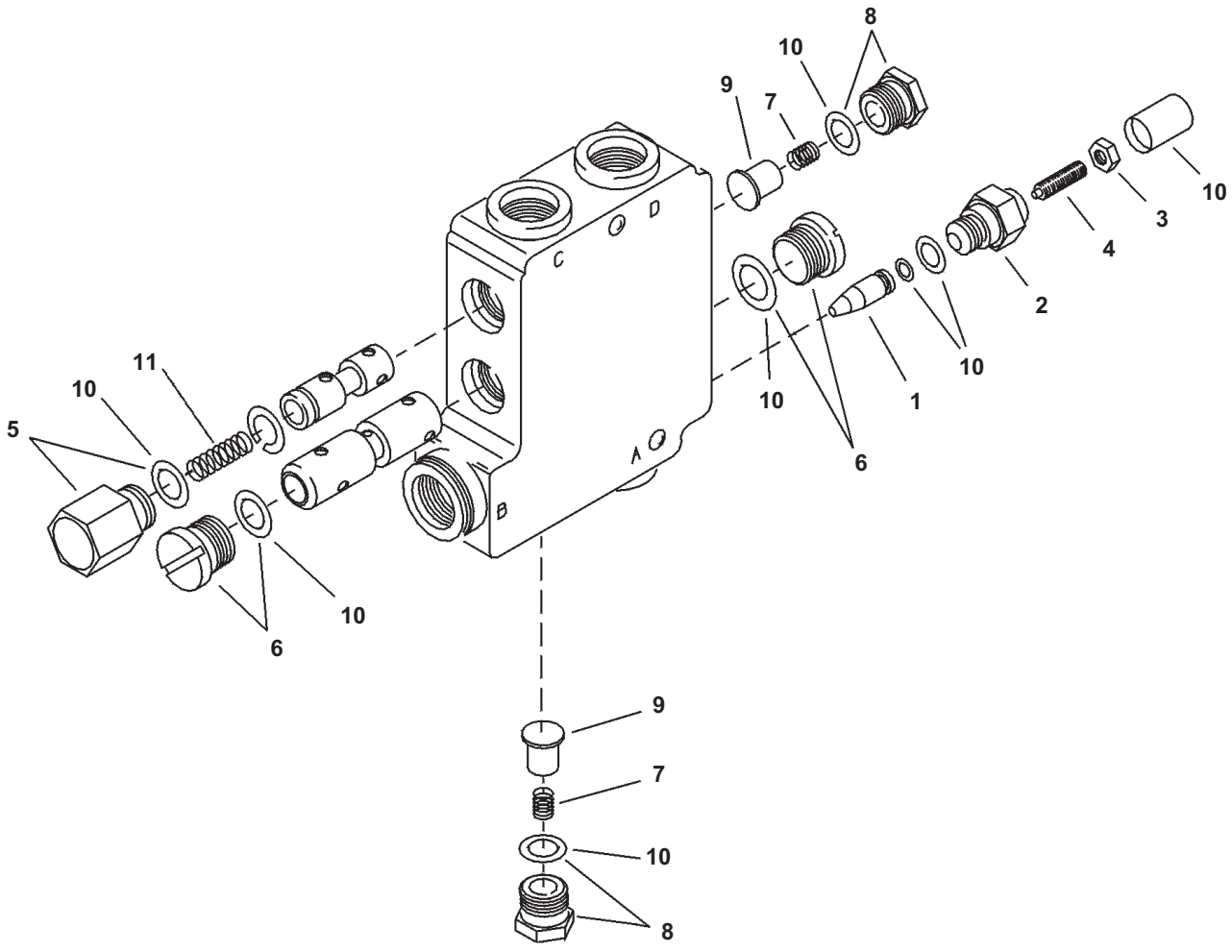
5640 and 6640 Models



132068x.cpt

Ref. No.	Part No.	Description	Quantity 4640/4840	Quantity 5640/6640
	132068	PUMP/GEAR DOUBLE 1.71/1.16	1	-
	135929	PUMP/GEAR DOUBLE 2.01/1.16	-	1
1	132546	KIT/FLANGE - CONSISTS OF:	1	1
		FLANGE	1	1
		SEAL/SHAFT	1	1
		RING/SNAP	1	1
		PIN/DOWEL	2	2
2	132547	ENDCOVER	1	1
3	132554	COUPLING	1	1
4	132555	PLATE/DISTANCE	1	1
5	132542	KIT/SEAL - CONSISTS OF:	1	1
		SEAL/SHAFT	1	1
		RING/BACKUP	4	4
		E-SEAL	4	4
		O-RING	4	4
6	132549	SCREW/CAP M12 X 204MM	4	-
7	132551	KIT/HOUSING SECTION 1 - CONSISTS OF:	1	-
		HOUSING	1	-
		PIN/DOWEL	2	-
		O-RING	2	-
		GEAR NO. 1	1	-
		GEAR NO. 2	1	-
		BEARING	2	-
		E-SEAL	2	-
		RING/BACKUP	2	-
		PIN/DOWEL	2	-
8	132552	KIT/HOUSING SECTION 2 - CONSISTS OF:	1	-
		HOUSING	1	-
		PIN/DOWEL	2	-
		O-RING	2	-
		GEAR NO. 1	1	-
		GEAR NO. 2	1	-
		BEARING	2	-
		E-SEAL	2	-
		RING/BACKUP	2	-
		PIN/DOWEL	2	-

SELF-LEVELING VALVE

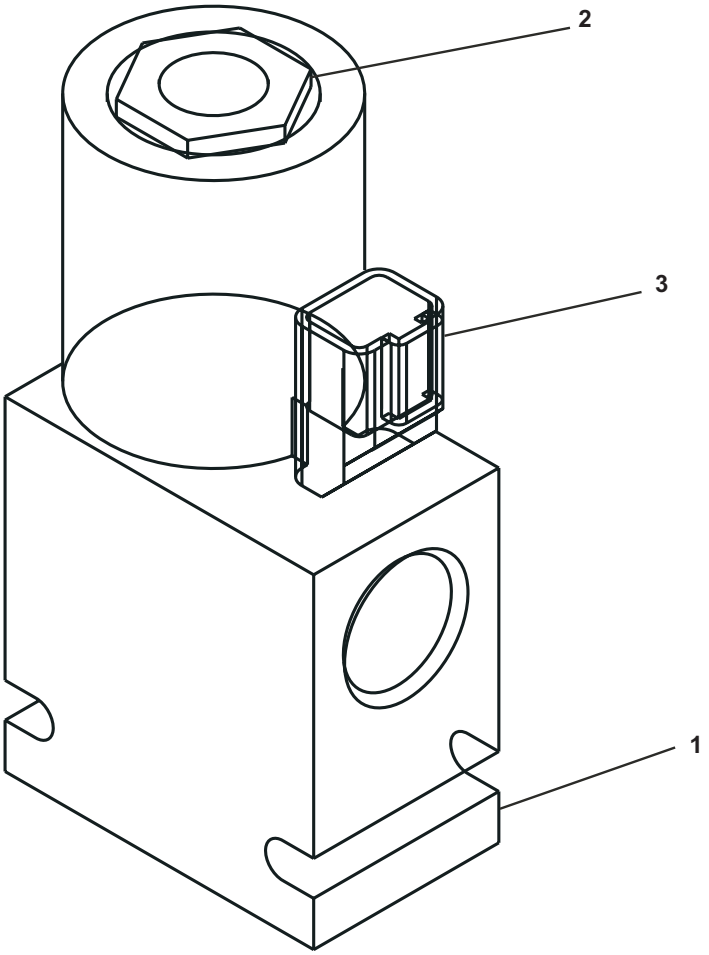




128844x.cpt

Ref. No.	Part No.	Description	Quantity 46/48/56/6640
	135367	VALVE/SELF-LEVELING	1
1	080808	PIN	1
2	080809	CAP/ADJUSTMENT	1
3	080810	NUT	1
4	080811	SCREW/SET	1
5	129004	PLUG	1
6	080813	PLUG	2
7	088471	SPRING	2
8	088472	PLUG	2
9	088473	CHECK/LOAD	1
10	129066	KIT/SEAL	1
11	089961	SPRING	1

LIFT AND TILT SOLENOID VALVE



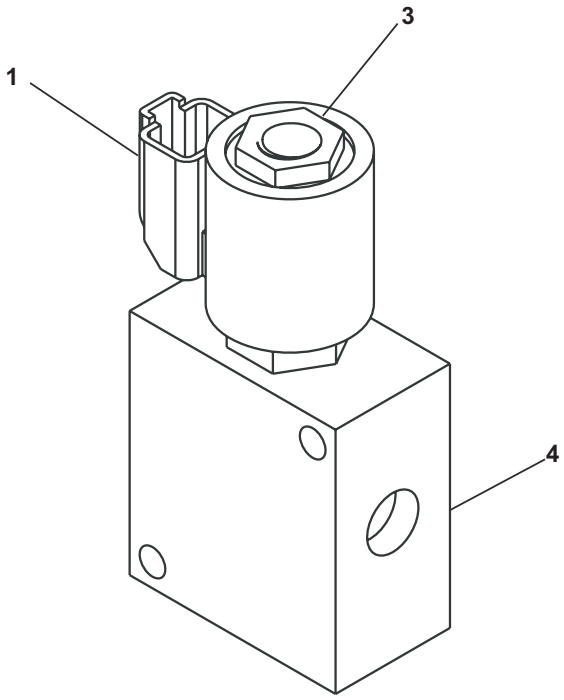


184101

Ref. No.	Part No.	Description	Quantity
	184101	VALVE/SOLENOID	1
1	REFa	VALVE BODY/STEEL	1
2	122840	CARTRIDGE	1
3	184105	COIL	1
4	121897	KIT/SEAL	1

a) Valve body not serviced.

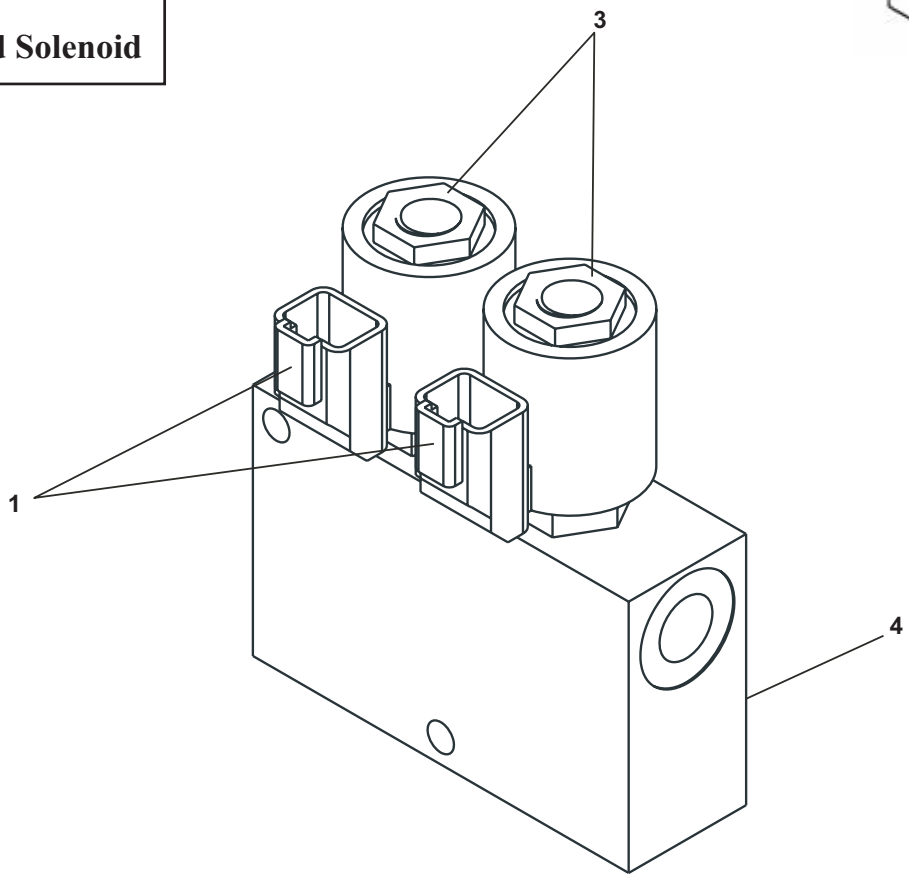
Single Speed Solenoid



184102



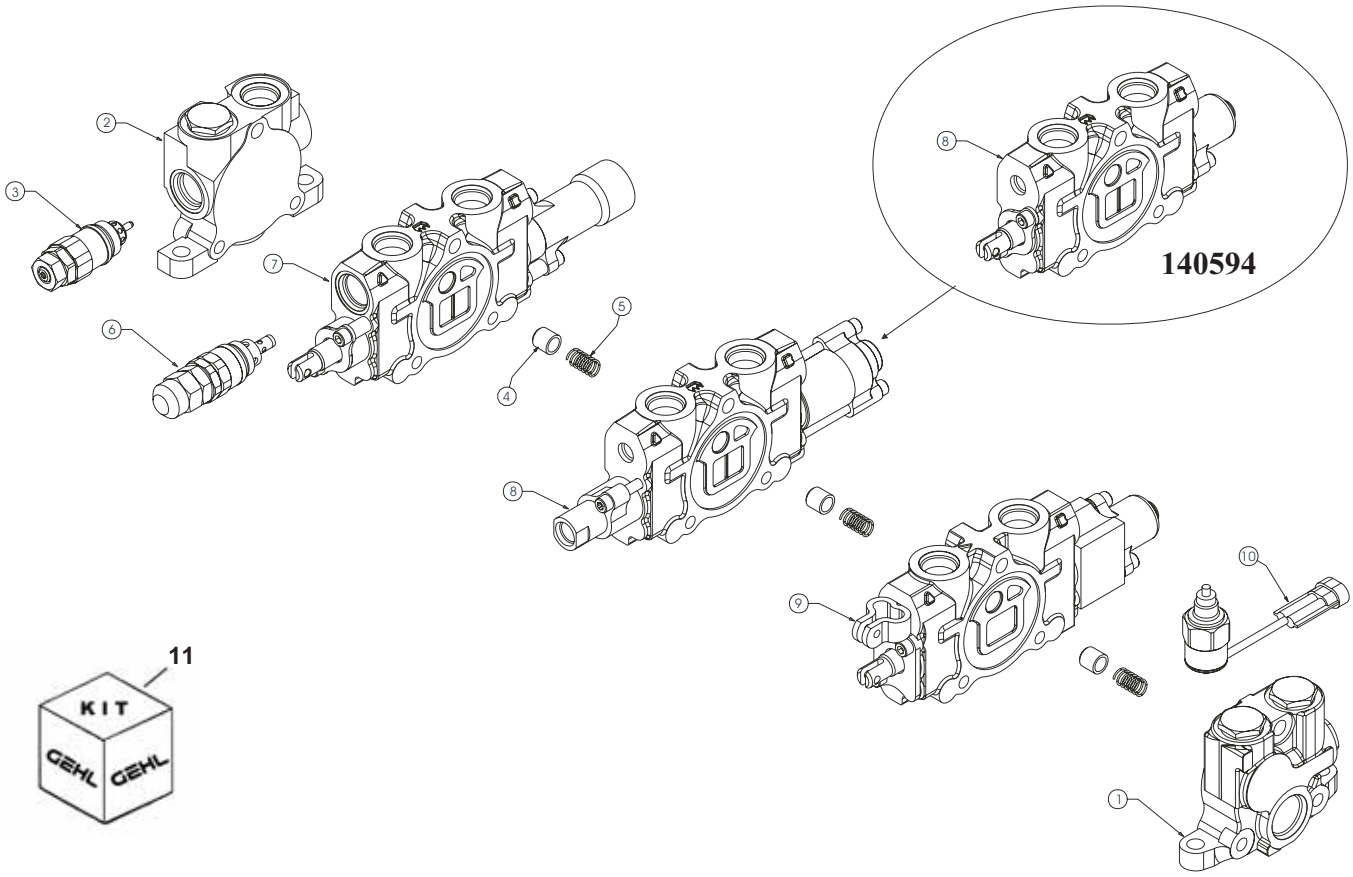
Two Speed Solenoid

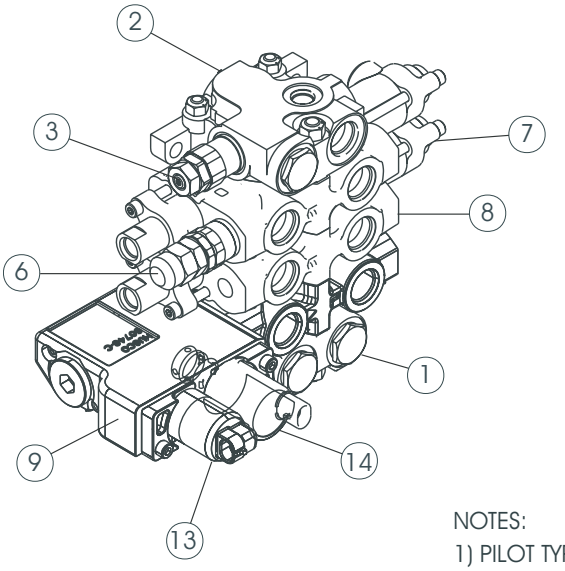


183978

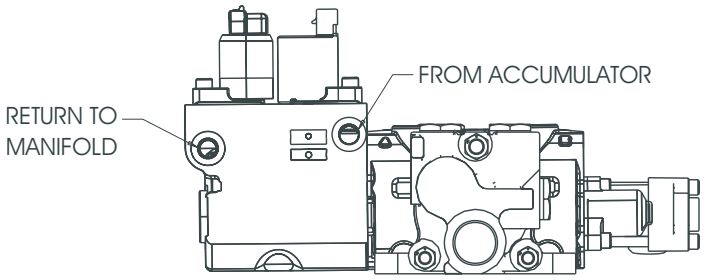
Ref. No.	Part No.	Description	Quantity Single Speed	Two Speed
	184102	VALVE/SOLENOID	1	-
	183978	VALVE/DUAL SOLENOID	-	1
1	184104	COIL	1	2
2	132199	KIT/SEAL	1	2
3	184117	CARTRIDGE	1	2
4	REFa	BODY	1	1

a) Valve body not serviced separately.





Control Valve 190401 - Electric Auxiliary



NOTES:
1) PILOT TYPE MAIN RELIEF SET TO 2750 PSI AT 20 GPM
2) DIRECT ACTING PORT RELIEF SET TO 3500 PSI AT 1 GPM
3) NEUTRAL SPOOL LOCK TO BE ENERGIZED TO OPERATE AUX
4) SERIES CONNECTION FROM LIFT TO TILT AND TILT TO AUX
5) NO FLOAT IN LIFT
6) 9/16-18 O-RING PILOT PORTS ON LIFT AND TILT
7) 7/8-14 O-RING WORK PORTS
8) 7/8-14 O-RING INLET PORT
9) 1-1/16-12 O-RING OUTLET PORT

140582_190401

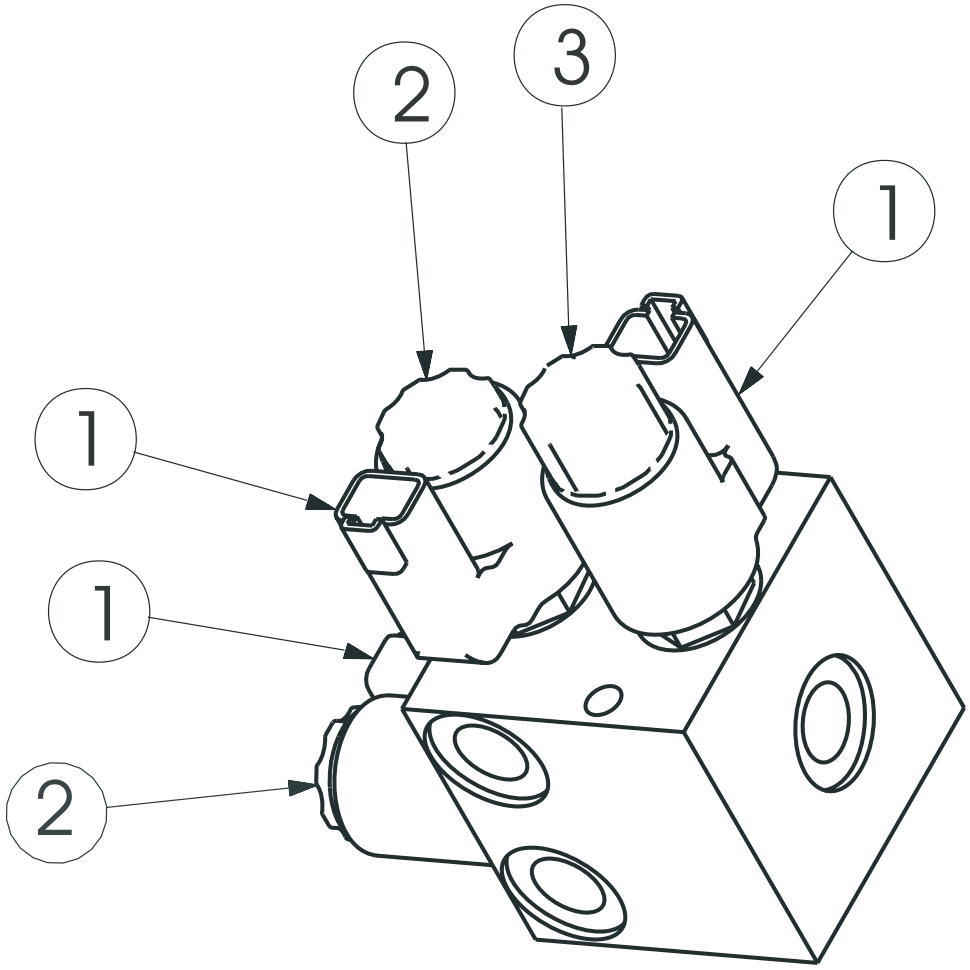
Ref. No.	Part No.	Description	Control Valves TB/DH 140594	H/F 140582	TB-JS 188424	TB-JS/DJS 190401
1	080330	SECTION/OUTLET	1	1	1	1
2	080331	SECTION/INLET	1	1	1	1
3	132211	VALVE/RELIEF (MAIN)	1	1	1	1
4	135368	POPPET/LOAD CHECK	3	3	3	3
5	135369	SPRING	3	3	3	3
6	135371	VALVE/WORK PORT RELIEF	1	1	-	1
7	132694b	SECTION/VALVE LIFT	1	1	-	-
	188917b	SECTION/VALVE LIFT	-	-	1	1
	127629	KIT/DETENT	1	1	1	1
8	132695b	SECTION/VALVE TILT	1	-	-	-
	186199ab	SECTION/VALVE TILT	-	1	1	1
9	186206b	SECTION/VALVE AUXILIARY	1	1	1	-
	190340	SECTION/VALVE ELECTRIC AUXILIARY	-	-	-	1
10	186215	LOCK/SPOOL	1	1	1	-
11	080327c	KIT/SEAL (BETWEEN SECTIONS)	1	1	1	1
13	190516	CARTRIDGE ON-OFF	-	-	-	1
14	190517	SOLENOID/PROPORTIONAL	-	-	-	1

a) Use Seal Kit 140055.

b) Part number P424000 is a wiper seal for valve sections (order (2) quantity per section).

c) Backup rings in this kit are not used.

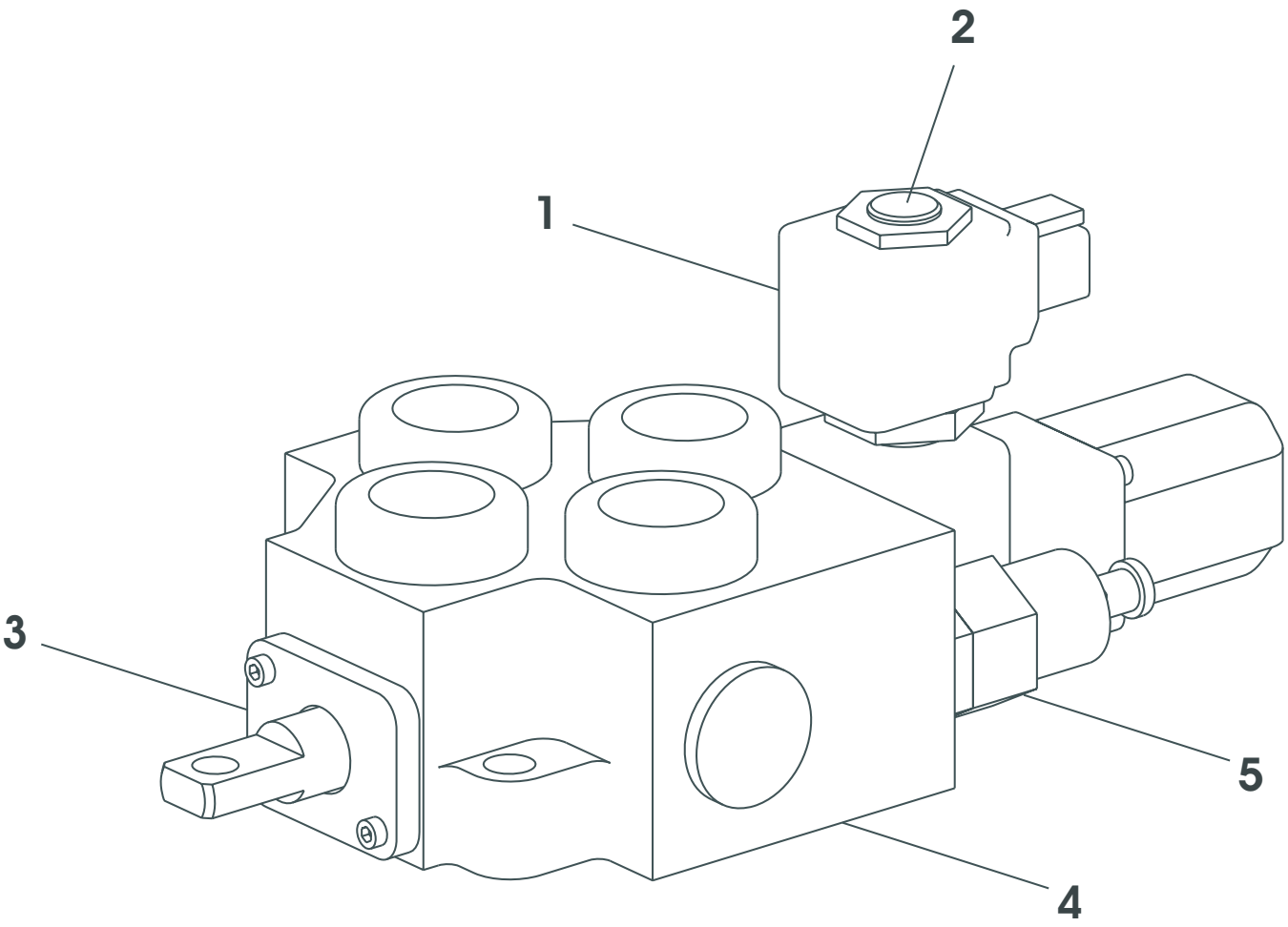
Hydraglide™ Manifold



184363

Ref. No.	Part No.	Description	Hydraglide™ Quantity
	184363	ASSEMBLY/MANIFOLD	1
1	184384	COIL	3
2	184389	CARTRIDGE	2
3	184388	CARTRIDGE	1

HIGH-FLOW VALVE



139631

Ref. No.	Part No.	Description	High-Flow Valve Quantity
	139631	VALVE/HIGH-FLOW	1
1	139630	COIL/SPOOL LOCK	1
2	183486	CARTRIDGE/SPOOL LOCK	1
3	133461	PLATE/END OVER WITH SCREWS AND SEAL	1
4	135458	BODY/VALVE WITH BRONZE WASHERS	1
	135462	KIT/SEAL	1
5	135459	VALVE/RELIEF	1

SECTION NOTES

SECTION C: KITS AND ACCESSORIES

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Analysis Kits - Contact your Gehl Dealer

Hydraulic Oil Analysis Kits (10) 272806
Engine Oil Analysis Kits (10) 272809
Fuel Analysis Kit (1) 272811
Coolant Analysis Kits (10) 272812

Filters

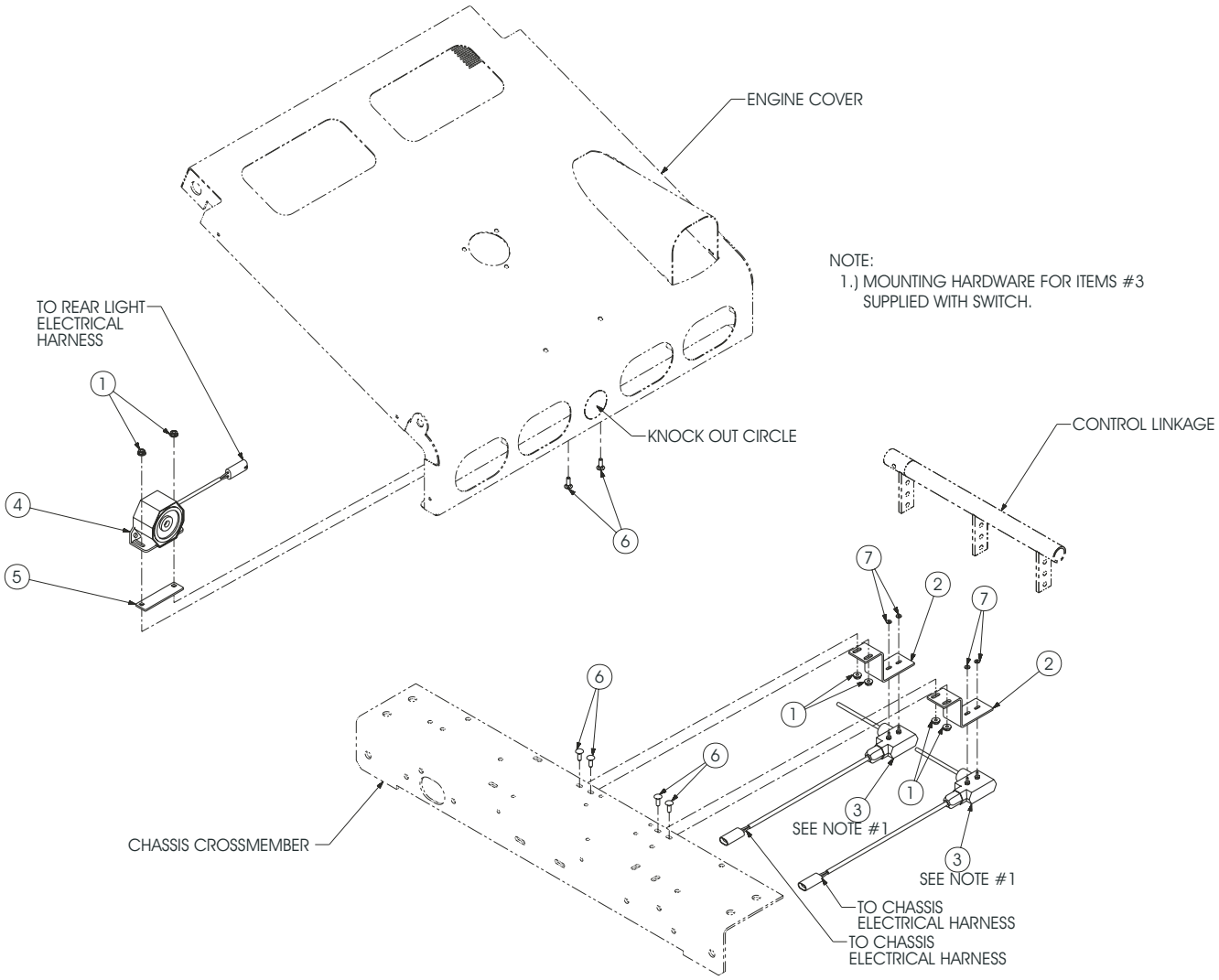
Oil Filter 132023
Fuel Filter 132024

Primary Air Filter (newer models) 184146
Secondary Air Filter (newer models) 184195

Primary Air Filter (older models) L99453
Secondary Air Filter (older models) L99967

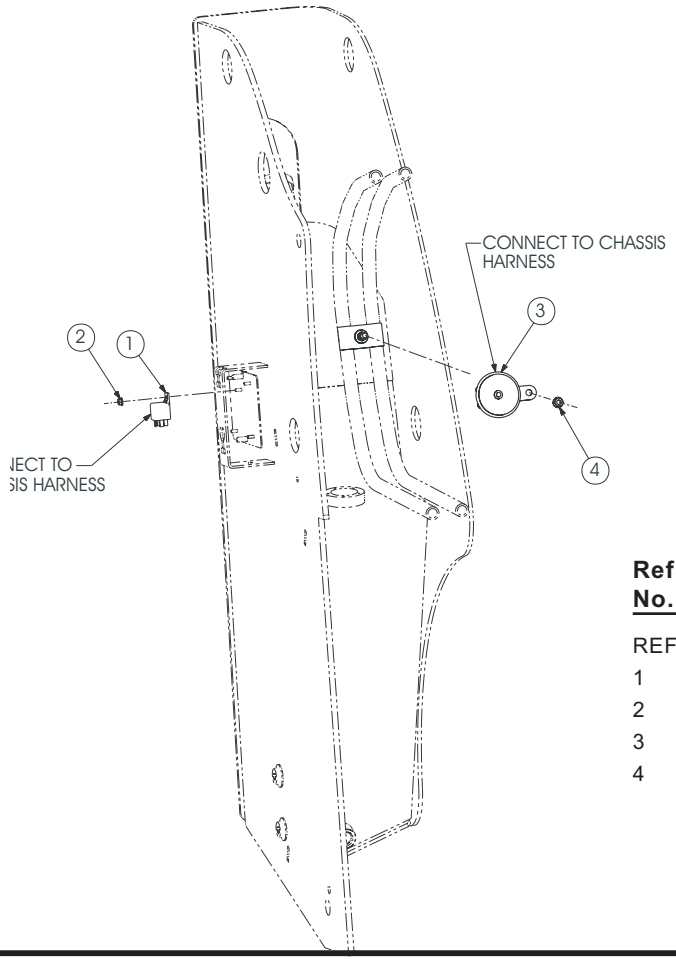
Hydraulic Oil Filter 074830

Backup Alarm Kit 810404



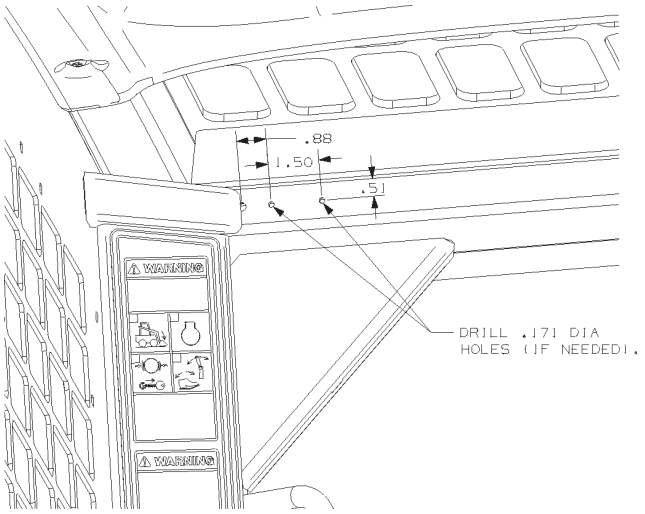
Ref. No.	Part No.	Description	Qty. Reqd.
REF	810404	KIT/BACKUP ALARM	1
1	134588	NUT/SPIRALOCK™ 1/4	6
2	134763	MOUNT/SWITCH	2
3	135726	SWITCH ASSY/ALARM	2
4	140880	ALARM/BACK-UP	1
5	184491	SPACER/BACK-UP ALARM	1
6	650758	BOLT/CARRIAGE 1/4 X 3/4	6
7	650848	WASHER/FLAT #6	4

Horn Kit 810401



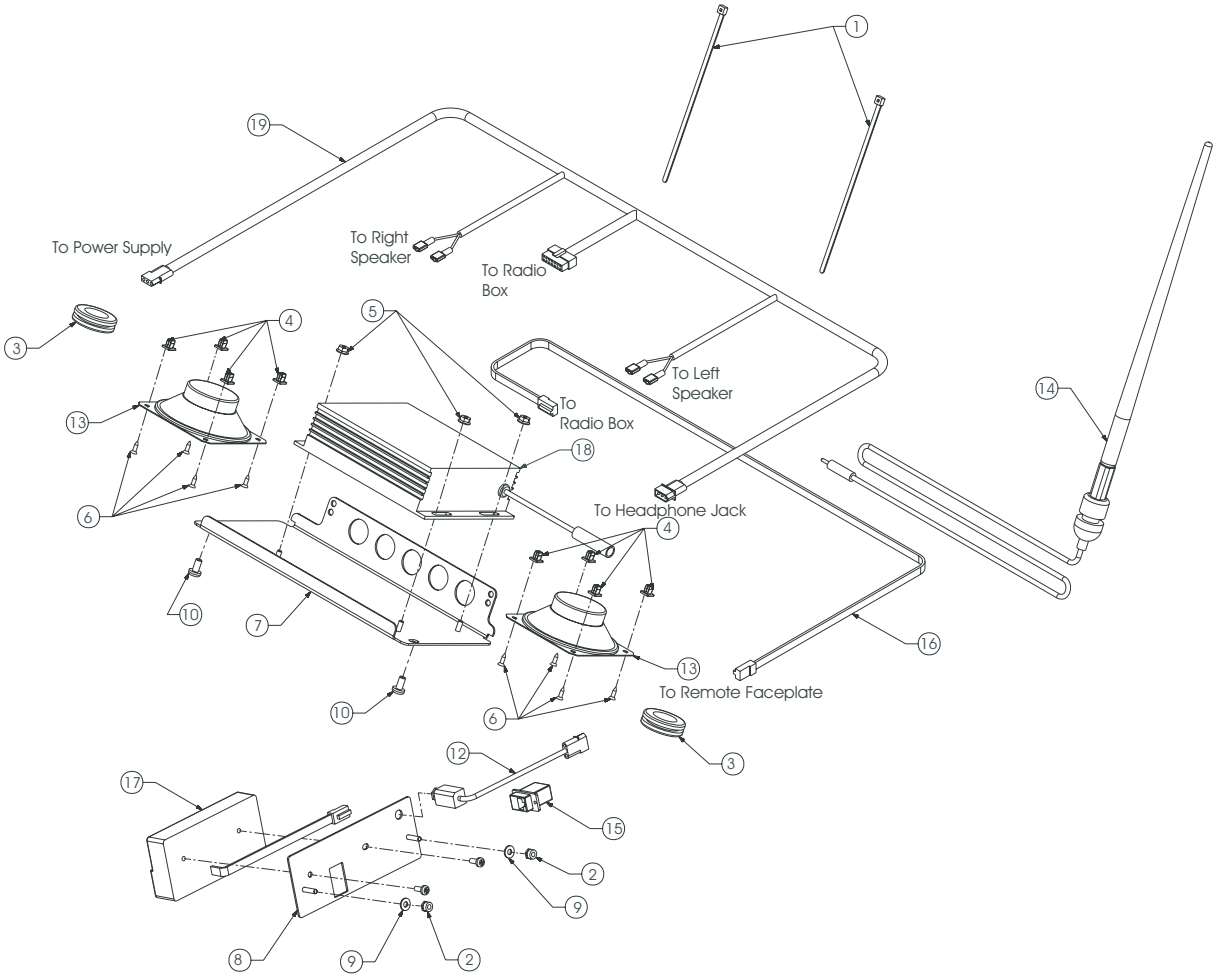
Ref No.	Part No.	Description	Qty
REF	810401	KIT/HORN 40 SERIES	1
1	076058	RELAY	1
2	137797	NUT/SERR FLANGE #10	1
3	183814	HORN	1
4	210-19470	NUT/LOCK 5/16	1

Rearview Mirror Kit 806894



Ref. No.	Part No.	Description	Qty. Req.
	806894	KIT/REAR VIEW MIRROR	1
1	132353	MIRROR	1
2	651259	SCREW/CAP THREAD CUTTING #10 X 7/8	2

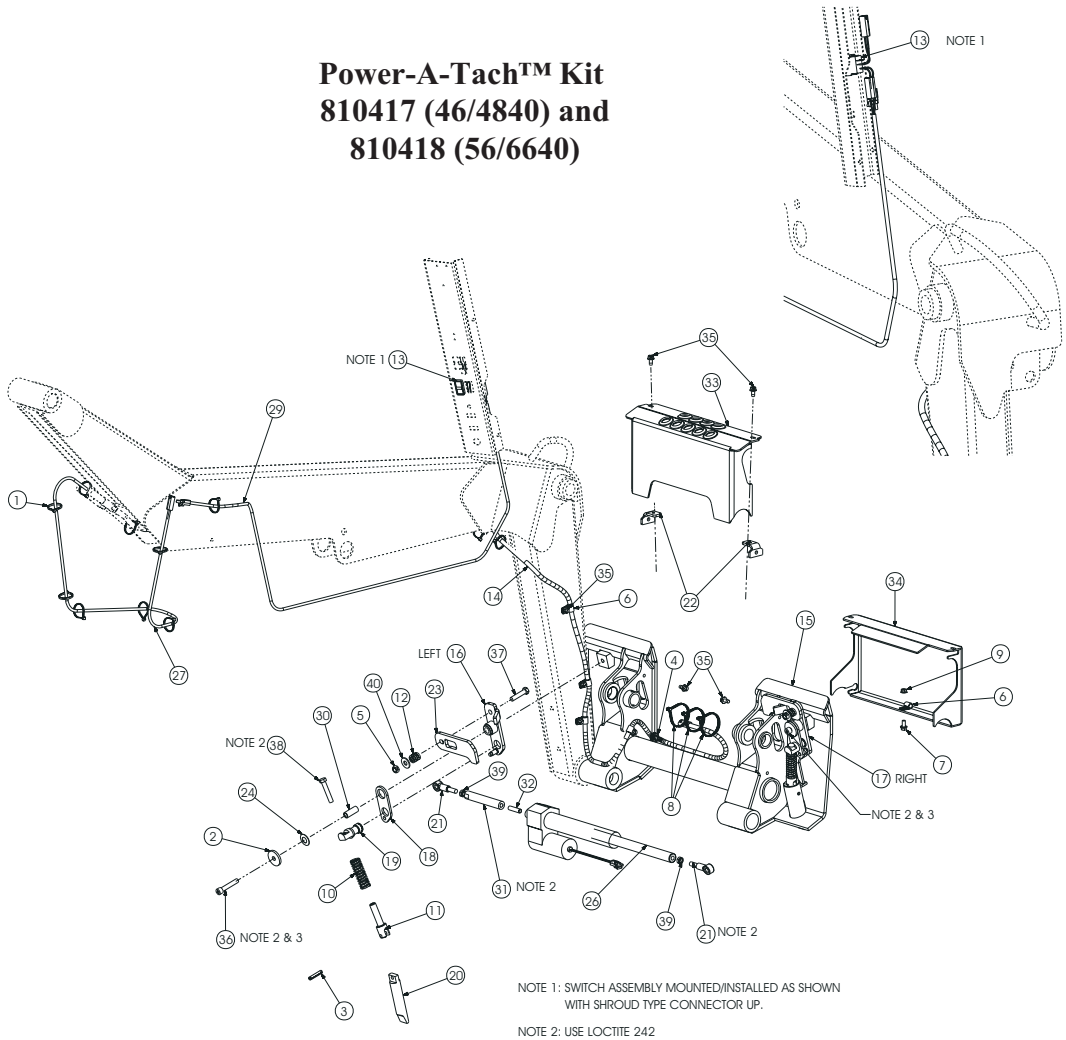
AM/FM Radio Kit 810429 (replaced by 810897)



Ref No.	Part No.	Description	Qty
REF	810429	KIT/RADIO 40 SERIES	1
1	055648	TIE/WIRE	2
2	084175	NUT/HEX #10	2
3	119888	GROMMET/RUBBER	2
4	137463	GROMMET/PANEL FASTENER	8
5	137797	NUT/SERRATED FLANGE #10	3
6	137821	SCREW/MACHINE #6 X 1/2	8
7	139633	ASSY/COVER/RADIO MT	1
8	140584	ASSY/RADIO REMOTE MT PLATE	1
9	650584	WASHER/FLAT #10	2
10	651307	SCREW/PHILLIPS RH 1/4 X 1/2	2
12	184504	JACK/HEADPHONE .25 DIA	1
13	184505	SPEAKER/RADIO 4.00"	2
14	184507	ANTENNA/RADIO	1
15	184508	CONNECTOR/RADIO ADAPTER	1
16	184509	HARNESS/RADIO/EXTENSION*	1
17	184510	CONTROL/RADIO REMOTE	1
18	184511	RADIO/BOX	1
19	184512	HARNESS/RADIO	1

* There is a spare pair of flat extension harnesses supplied with this kit.

Power-A-Tach™ Kit 810417 (46/4840) and 810418 (56/6640)



NOTE 1: SWITCH ASSEMBLY MOUNTED/INSTALLED AS SHOWN WITH SHROUD TYPE CONNECTOR UP.

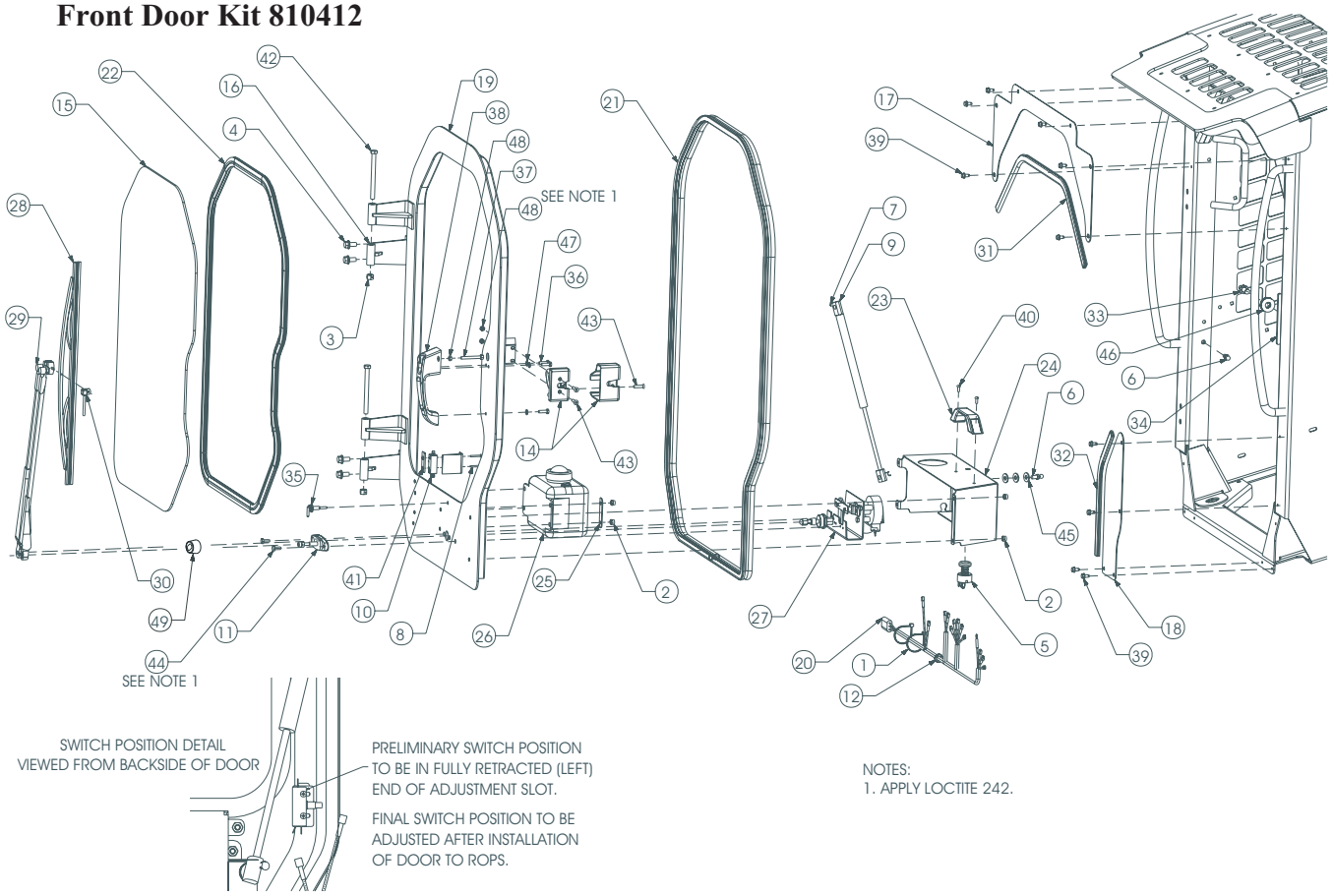
NOTE 2: USE LOCTITE 242

NOTE 3: TORQUE TO 100 FT-LB

Ref No.	Part No.	Description	Qty
REF	810417	KIT/POWER-A-TACH™ 46/4840	1
REF	810418	KIT/POWER-A-TACH™ 56/6640	1
1	055648	TIE/WIRE	14
2	057557	WASHER/FLAT 17/32	2
3	062756	PIN/SPRING	2
4	070636	GROMMET	1
5	071706	NUT/LOCK 1/2	2
6	076147	CLAMP/HOSE	5
7	076588	SCREW/CAP LOCKING 3/8 X 3/4	1
8	088467	TIE/NYLON	3
9	090666	NUT/LOCK 3/8	1
10	123554	SPRING/COMPRESSION 4-1/2	2
11	134594	ROD/PUSH	2
12	134707	SPRING/COMPRESSION	2
13	138839	SWITCH/ELECTRIC	1
14	138850	HARNESS/POWER-A-TACH™	1
15	183703	POWER-A-TACH™ 4640/4840	1
	183556	POWER-A-TACH™ 5640/6640	1
16	183568	LINK/LATCH LEFT	1
17	183569	LINK/LATCH RIGHT	1
18	183570	PLATE/LATCH LINK	2
19	183574	ADAPTOR/PUSH ROD	2
20	183575	PIN/LATCH	2
21	183612	ROD/EXTENSION RIGHT	2
22	184151	BRACKET/COVER SUPPORT	2
23	184319	FLAG	2
24	184320	WASHER/BEVEL	2
26	184393	ACTUATOR	1
27	184442	HARNESS/POWER-A-TACH™	1
29	184522	HARNESS/POWER-A-TACH™	1
30	188862	SPACER	2
31	191721	EXTENSION	1
32	191723	STUD 1/2 X 2	1
33	195036	COVER/BACK	1
34	192224	COVER/FRONT	1
35	310-32411	SCREW/CAP 3/8 X 3/4	8
36	310-32678	SCREW/CAP SH 1/2 X 2-3/4	2
37	650585	SCREW/CAP 1/2 X 2	2
38	651542	SCREW/CAP 1/2 X 2-3/4	2
39	653045	NUT/JAM HEX 1/2	2
40	654009	WASHER/FLAT 1/2	2

Decals 184357 and 184481 are not shown.

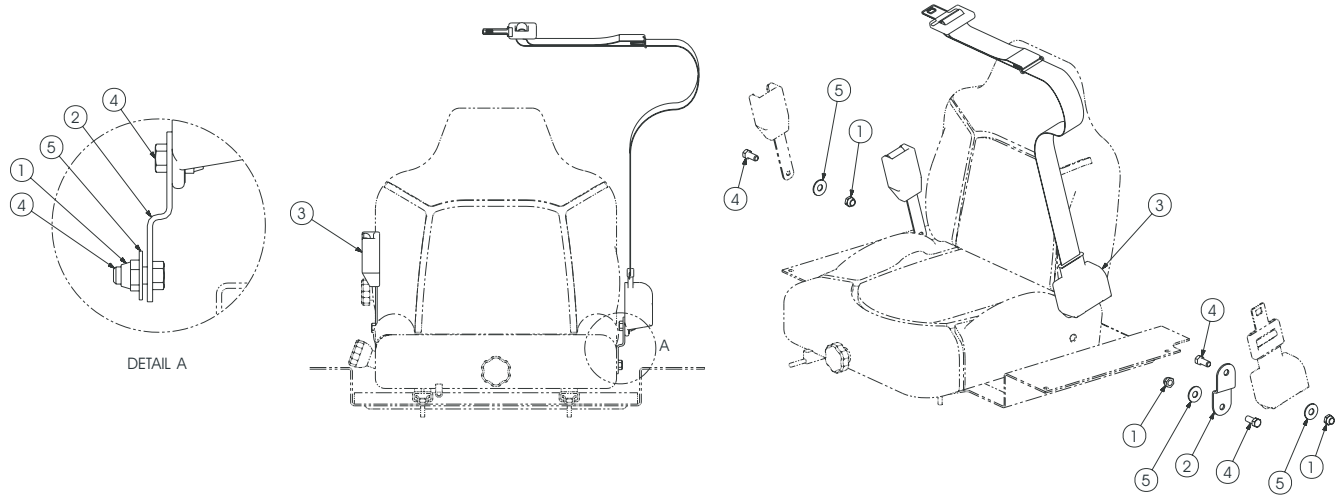
Front Door Kit 810412



NOTES:
1. APPLY LOCTITE 242.

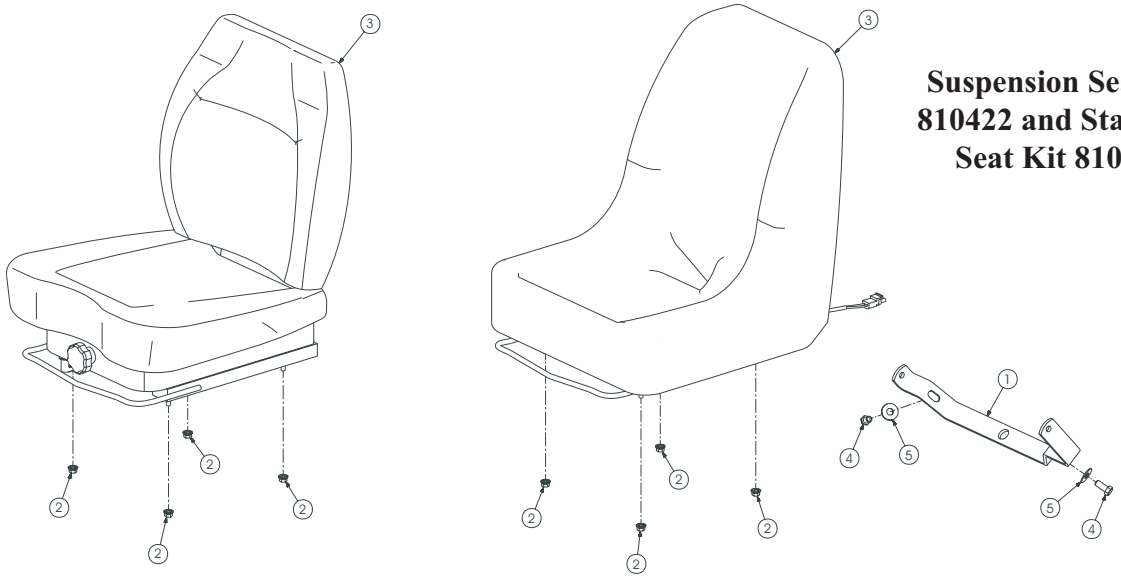
Ref No	Part No	Description	Qty Req
1	055648	TIE/WIRE	2
2	071401	NUT/HEX 1/4	8
3	071703	NUT/LOCK 3/8	2
4	139438	SCREW/FLANGE 3/8 X 5/8	4
5	090-32424	SWITCH/WIPER	1
6	122485	STUD	2
7	132493	CLIP/GAS SPRING	2
8	137890	SCREW/MACHINE #6 X 1	2
9	138263	SPRING/GAS ASSIST	1
10	138266	SWITCH/LIMIT (DOOR)	1
11	138269	ASSY/PANTOGRAPH PIVOT	1
12	138274	GROMMET/RUBBER	1
14	182076	LATCH/CAM	1
15	183855	GLASS/DOOR	1
16	183869	HINGE/FRAME	2
17	183873	SHEET/FILLER/FRAME TOP	1
18	183876	SHEET/FILLER/LOW	1
19	183901	DOOR	1
20	183948	HARNESS/DOOR	1
21	183958	SEAL/BULB	1
22	183961	SEAL/WEATHER DOOR	1
23	184023	HANDLE/GRAB	1
24	184029	COVER/WASHER	1
25	184386	PLATE/WASHER BOTTLE MT	2
26	184392	TANK/WASHER RES. W/ HOSE	1
27	184456	ASSY/WIPER MOTOR	1
28	184457	BLADE/WIPER 22"	1
29	184513	WIPER ARM/PANTO 20"	1
30	184514	KIT/WET ARM	1
31	184673	TRIM/DOOR TOP	1
32	184674	TRIM/DOOR BOTTOM	1
33	187724	STRIKER/CAM LATCH	1
34	187762	PLATE/STRIKER MOUNT	1
35	230-32632	FITTING/90° BULKHEAD	1
36	310-32564	SCREW/CAP M6 X 20 MM	3
37	310-32613	SCREW/CAP M6 X 50 MM	1
38	420-36185	HANDLE/CAB DOOR	1
	420-35399	KEY	1
39	650315	SCREW/HEX TC 1/4 X 1	10
40	650548	SCREW/MACHINE #10 X 3/4	2
41	190252	BACKPLATE W/ STANDOFFS	1
42	650851	SCREW/CAP 3/8 X 4-1/2	2
43	651464	SCREW/CAP M6 X 25 MM	3
44	651631	SCREW/CAP 1/4 X 5/8	2
45	654004	WASHER/FLAT 5/16	3
46	654009	WASHER/FLAT 1/2	4
47	654022	WASHER/LOCK 1/4	3
48	656047	NUT/HEX M6	3
49	193765	BUSHING/KNURLED TAPER	1

2" Seat Belt Kit 810424 and 3" Seat Belt Kit 810425



Ref. No.	Part No.	Description	Quantity 810424 2" Seat Belt	Quantity 810425 3" Seat Belt
1	081371	NUT/HEX LOCK 7/16	3	3
2	184007	TAB/RETRACTOR MOUNT	1	1
3	420-36086	ASSEMBLY/ SEAT BELT 2"	1	-
	420-36087	ASSEMBLY/SEAT BELT 3"	-	1
4	650630	SCREW/CAP 7/16 X 1	3	3
5	654046	WASHER/FLAT 7/16	3	3

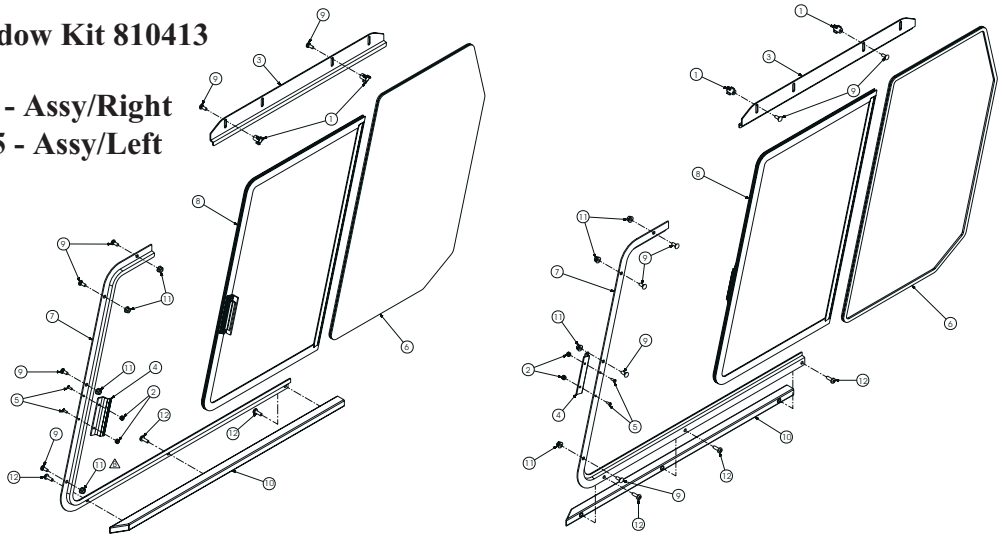
Suspension Seat Kit 810422 and Standard Seat Kit 810423



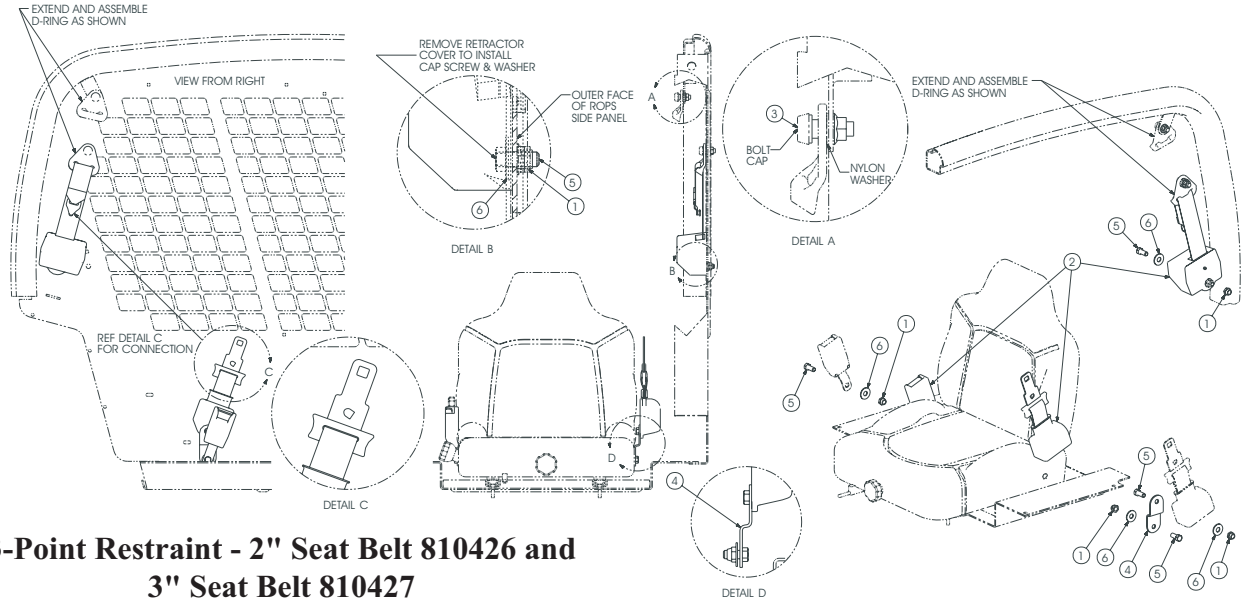
Ref. No.	Part No.	Description	Quantity 810422 Suspension Seat	Quantity 810423 Standard Seat
1	184892	BRACKET/SEAT BELT	-	1
2	137836	NUT/HEX WHIZLOCK M8	4	4
3	184017	SEAT/STANDARD	-	1
	184016	SEAT/SUSPENSION	1	-
4	650630	SCREW/CAP 7/16 X 1	-	2
5	654046	WASHER/FLAT 7/16	-	2

Side Window Kit 810413

P/N 183276 - Assy/Right
P/N 183275 - Assy/Left



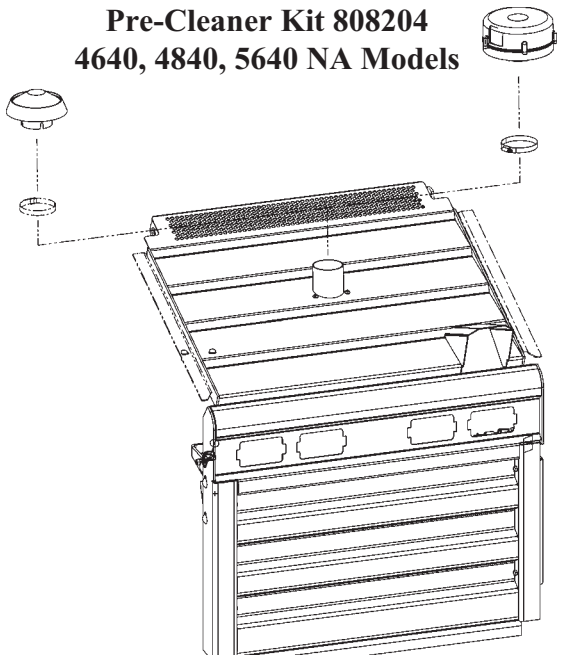
Ref. No.	Part No.	Description	Qty
1	137737	FASTENER/THUMB	4
2	137745	NUT/LOCKING 8-32	4
3	183380	TRACK/TOP	2
4	183381	PLATE/STRIKER	2
5	183388	SCREW/PHILLIPS FL HD 8-32 X 1/2	4
6	183396	WINDOW/LEFT STATIONARY	1
	183397	WINDOW/RIGHT STATIONARY	1
7	183403	MAINFRAME/LEFT WINDOW	1
	183404	MAINFRAME/RIGHT WINDOW	1
8	183405	WINDOW/LEFT SLIDER ASSY	1
	183406	WINDOW/RIGHT SLIDER ASSY	1
9	183584	BOLT/CARRIAGE 1/4-20 X 5/8	12
10	195074	SUPPORT ASSY/ROPS SIDE	2
11	210-19469	NUT/HEX WHIZLOCK 1/4	8
12	651308	SCREW/MACHINE PH 1/4 X 3/4	6



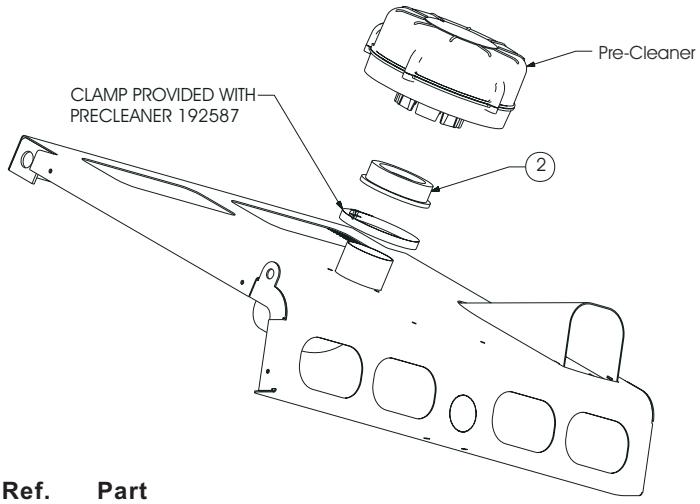
3-Point Restraint - 2" Seat Belt 810426 and 3" Seat Belt 810427

Ref. No.	Part No.	Description	Quantity 810426 3-Point 2" Restraint	Quantity 810427 3-Point 3" Restraint
1	081371	NUT/HEX LOCK 7/16	4	4
2	139340	RESTRAINT ASSEMBLY/3-POINT	1	-
	139341	RESTRAINT ASSEMBLY/3-POINT	-	1
3	183949	BOLT GROUP/SHOULDER	1	1
4	184007	TAB/RETRACTOR MOUNT	1	1
5	650630	SCREW/CAP 7/16 X 1	4	4
6	654046	WASHER/FLAT 7/16	4	4

Pre-Cleaner Kit 808204
4640, 4840, 5640 NA Models

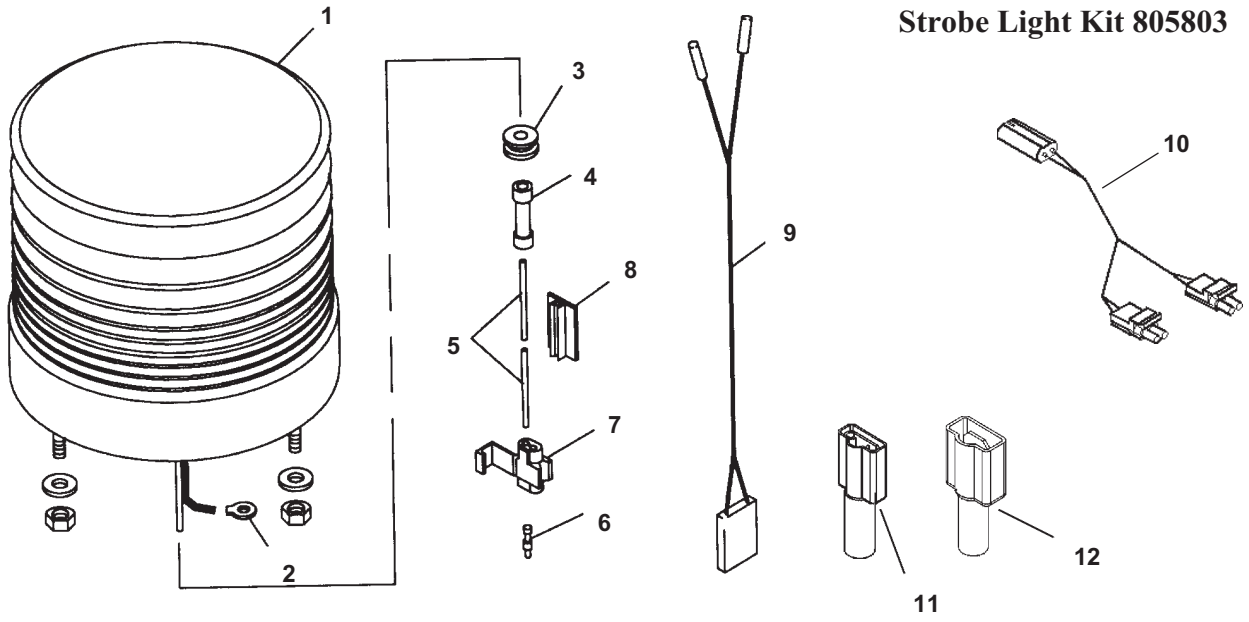


Pre-Cleaner Kit 810909 - 5640 Turbo Models
6640 Models



Ref. No.	Part No.	Description	Qty.
1	192587	PRE-CLEANER	1
2	192731	ADAPTER/PRE-CLEANER	1

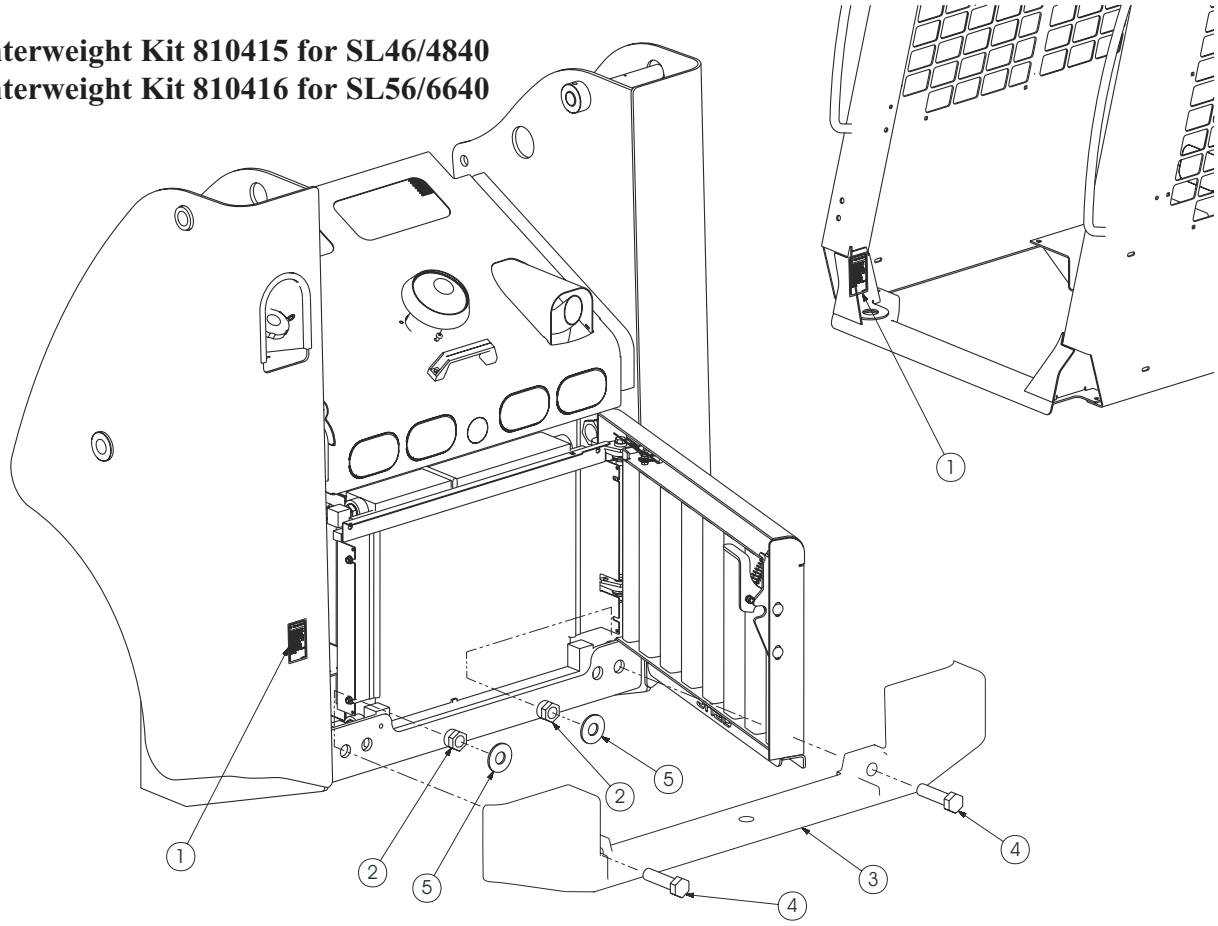
Strobe Light Kit 805803



Ref. No.	Part No.	Description	Qty. Req.
1	088296	STROBE	1
	132318	BULB/STROBE	1
2	088297	TERMINAL/RING	1
3	073687	GROMMET	1
4	071105	CONNECTOR/LINE	1
5	078150	WIRE/BEACON	1
6	073200	TERMINAL/MALE BULLET	1

Ref. No.	Part. No.	Description	Qty. Req.
7	078151	CONNECTOR/TAP	1
8	055919	CLIP/WIRE	3
9	122483	HARNESS/STROBE	1
10	132274	Y-T	1
11	138310	TERMINAL/INS FEMALE 1/4	1
12	138313	TERMINAL/INS MALE 1/4	1

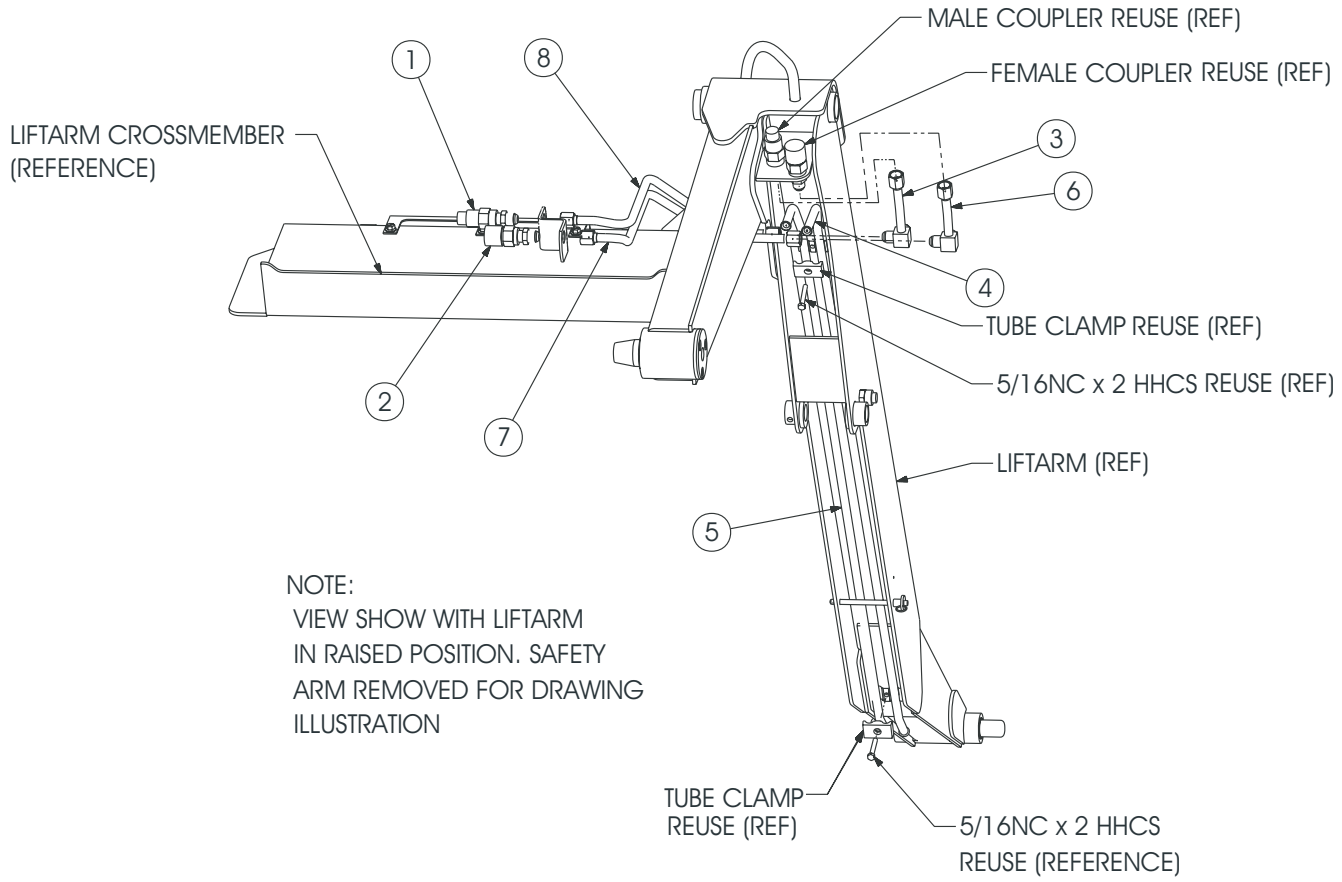
Counterweight Kit 810415 for SL46/4840
Counterweight Kit 810416 for SL56/6640



Ref No.	Part No.	Description	Qty. Req'd
REF	810415	KIT/COUNTERWEIGHT **46/4840**	1
1	130309	DECAL/WARNING TIPPING	2
2	132681	NUT/LOCK 1"	2
3	184902	COUNTERWEIGHT	1
4	651628	SCREW/CAP 1 X 3-3/4	2
5	654016	WASHER/FLAT 1"	2

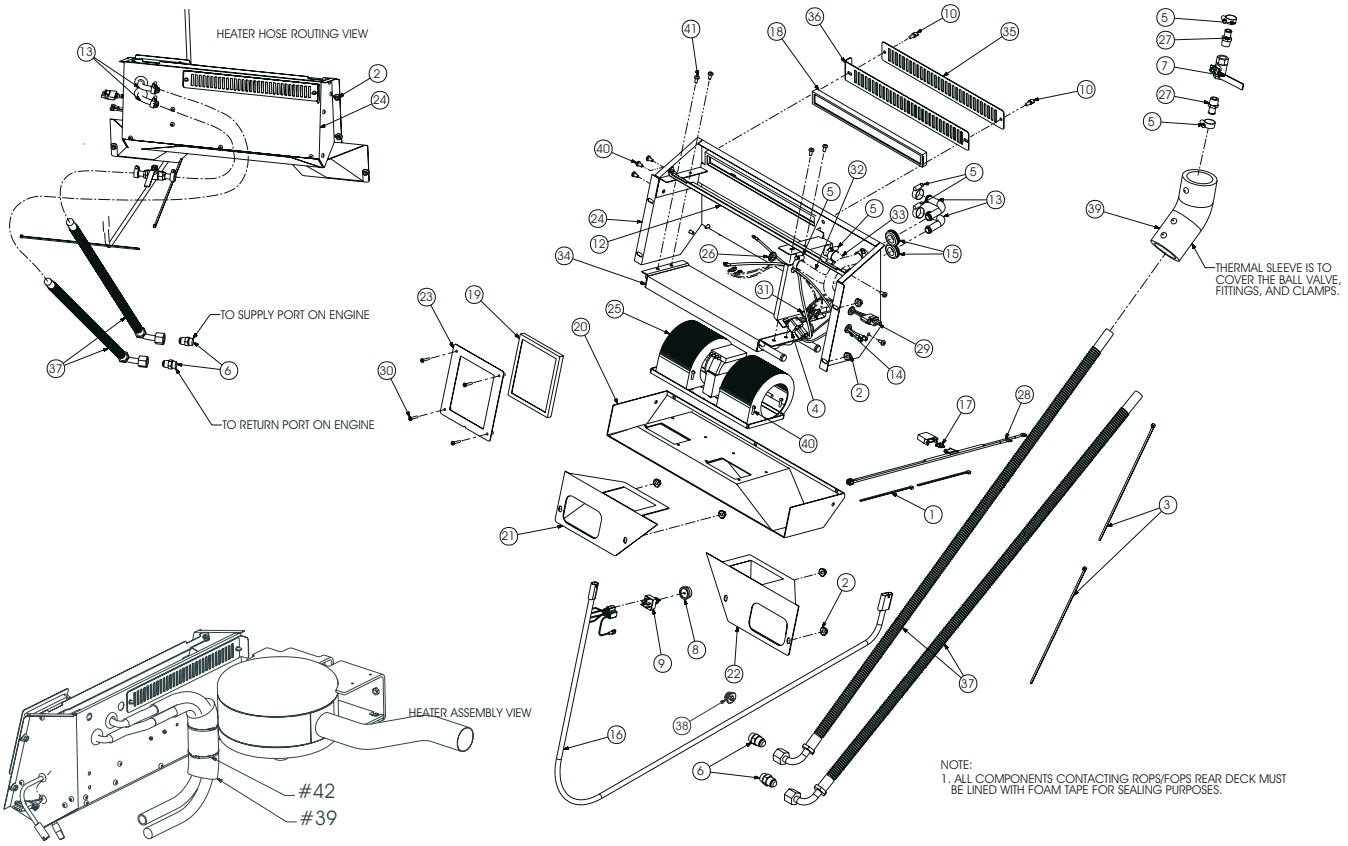
Ref No.	Part No.	Description	Qty. Req'd
REF	810416	KIT/COUNTERWEIGHT **56/6640**	1
1	130309	DECAL/WARNING TIPPING	2
2	132681	NUT/LOCK 1"	2
3	184908	COUNTERWEIGHT	1
4	651644	SCREW/CAP 1 X 7-1/2	2
5	654016	WASHER/FLAT 1"	2

Crossmember Auxiliary Tube Kit 810469 for SL46/4840
Crossmember Auxiliary Tube Kit 810470 for SL56/6640



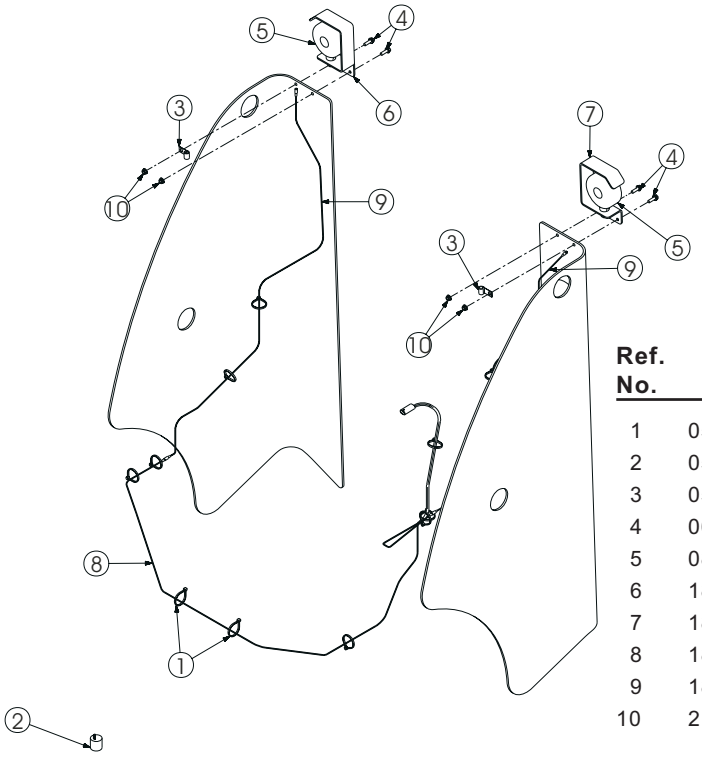
Ref No.	Part No.	Description	Qty. Req'd
REF	810469	KIT/AUX TUBE 46/4840	1
	810470	KIT/AUX TUBE 56/6640	1
1	131952	COUPLER/MALE	1
2	131953	COUPLER/FEMALE	1
3	184286	TUBE W/TEE 46/4840	1
	184204	TUBE W/TEE 56/6640	1
4	184869	TUBE/AUX OUTER 46/4840	1
	184962	TUBE AUX OUTER 56/6640	1
5	184958	TUBE/AUX INNER 46/4840	1
	184961	TUBE/AUX INNER 56/6640	1
6	186059	TUBE W/TEE 46/4840	1
	184205	TUBE W/TEE 56/6640	1
7	186060	TUBE/AUX OUTER 46/4840	1
	186070	TUBE/AUX OUTER 56/6640	1
8	186061	TUBE/AUX INNER 46/4840	1
	186071	TUBE/AUX INNER 56/6640	1

Cab Heater Kit 810414



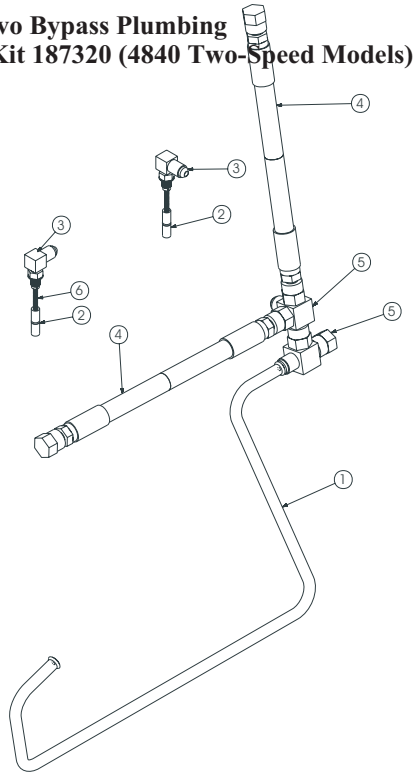
Ref No.	Part No.	Description	Qty Req'd
1	055648	TIE/WIRE	2
2	070648	NUT/FLLSUF 5/16	8
3	074091	TIE/NYLON	2
4	076058	RELAY/ISO SPDT	1
5	095955	CLAMP/HOSE	8
6	132362	FITTING/STRAIGHT M18 X 1-1/2	2
7	132504	VALVE/BALL	1
8	136304	KNOB/HEATER SWITCH	1
9	136305	SWITCH/HEATER (BLOWER)	1
10	136314	THUMBSCREW	2
11	136316	SCREW/SEMS #10 X 3/8	2
12	138548	BRACKET/REINFORCEMENT	1
13	138554	ELBOW/90° 5/8 TUBE	2
14	138562	GROMMET	2
15	138563	GROMMET	2
16	138587	HARNESS/HEATER SWITCH	1
17	170715	FUSE/ 40-AMP	1
18	184708	FILTER/FRESH AIR	1
19	184709	FILTER/RECIRCULATION	1
20	186062	HEATER BOX/LOWER	1
21	186063	DUCT/HEATER RIGHT	1
22	186064	DUCT/HEATER LEFT	1
23	186066	GRILLE/RECIRCULATION	1
24	186067	BOX/HEATER	1
25	186151	BLOWER/DOUBLE	1
	194981	CONTROLLER/FAN SPEED (KIT)	1
26	186188	GROMMET 3/4 X 1/2	1
27	186193	FITTING/STR 1/2MPT X 5/8 HOSE	2
28	186198	HARNESS/ELECTRICAL BATTERY	1
29	186203	HARNESS/HEATER RELAY	1
30	186894	SCREW/MACHINE #10 X 1 TAPTITE	4
31	186936	PACK/RECTIFIER W/LEADS	1
32	186944	HOSE/HEATER/INTERNAL 10"	1
33	186946	HOSE/HEATER/INTERNAL 18"	1
34	189129	CORE/HEATER	1
35	189165	GRILLE/FILTER OUTER	1
36	189168	GRILLE/FILTER INNER	1
37	189336	ASSY/HOSE/SPRING GUARD	2
38	191232	PLUG/DEUTZ THERMOSTAT	1
39	191470	SLEEVE/THERMAL EXHAUST	1
40	650815	SCREW/MACHINE #10 X 3/4	8
41	651307	SCREW/PHILLIPS 1/4 X ½	16
42	191101	PAD/INSULATION	1
43	191346	TIE/CABLE STAINLESS STEEL	2

Dual Flasher Kit 810421



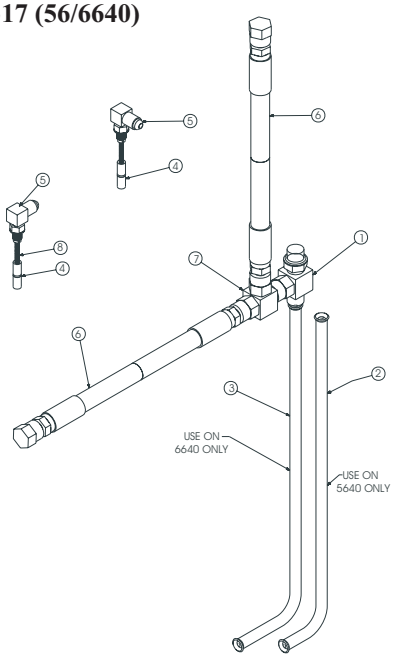
Ref. No.	Part No.	Description	Qty. Req
1	055648	TIE/WIRE	12
2	055925	FLASHER	1
3	058615	CLAMP/INSULATED HOSE	2
4	064354	HFS 5/16 X 1	4
5	087234	LIGHT/WARNING ASSY	2
6	187026	BRKT/FLASHER GUARD RT	1
7	187031	BRKT/FLASHER GUARD LT	1
8	187559	HARNESS/FLASHER	1
9	187560	HARNESS/FLASHER EXTEND	2
10	210-19470	NUT/FLRSUF 5/16	4

Servo Bypass Plumbing Kit 187320 (4840 Two-Speed Models)



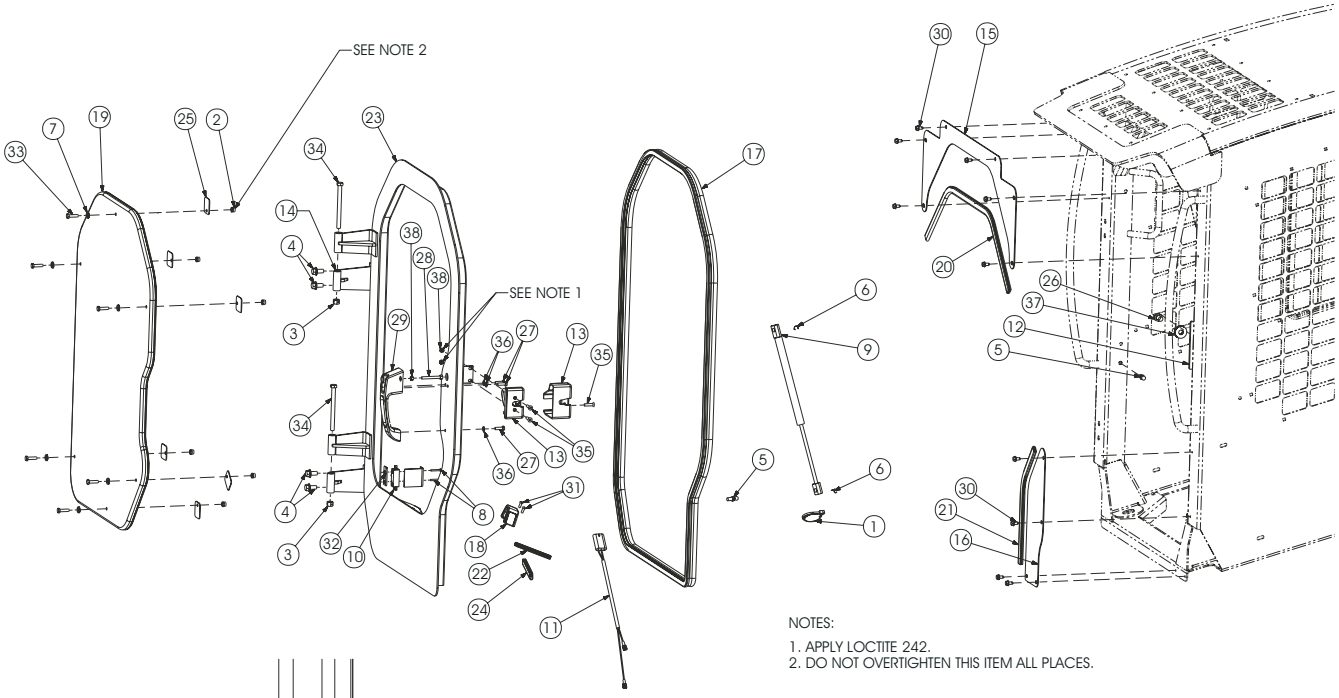
Ref. No.	Part No.	Description	Qty. Req.
1	186932	TUBE AS/BRAKE LT	1
2	187044	PLUG ASSY	2
3	187054	FITTING/SPECIAL-2-4	2
4	187348	HOSE/MP 1/4 X 17	2
5	072806	TEE/HYDR. FITTING	2
6	189601	SPRING/COMRESSION	2

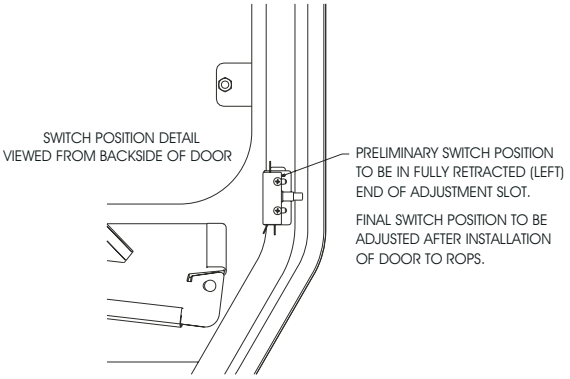
Servo Bypass Plumbing Kit 187317 (56/6640)



Ref. No.	Part No.	Description	Qty. Req.
1	054820	TE SA06 FL06 FL06	1
2	186927	TUBE AS/BRAKE VALVE	1
3	186928	TUBE AS/BRAKE VALVE	1
4	187044	PLUG ASSY	2
5	187054	FITTING/SPECIAL-2-4	2
6	187348	HOSE/MP 1/4 X 17	2
7	072806	TEE/HYDR. FITTING	1
8	189601	SPRING/COMRESSION	2

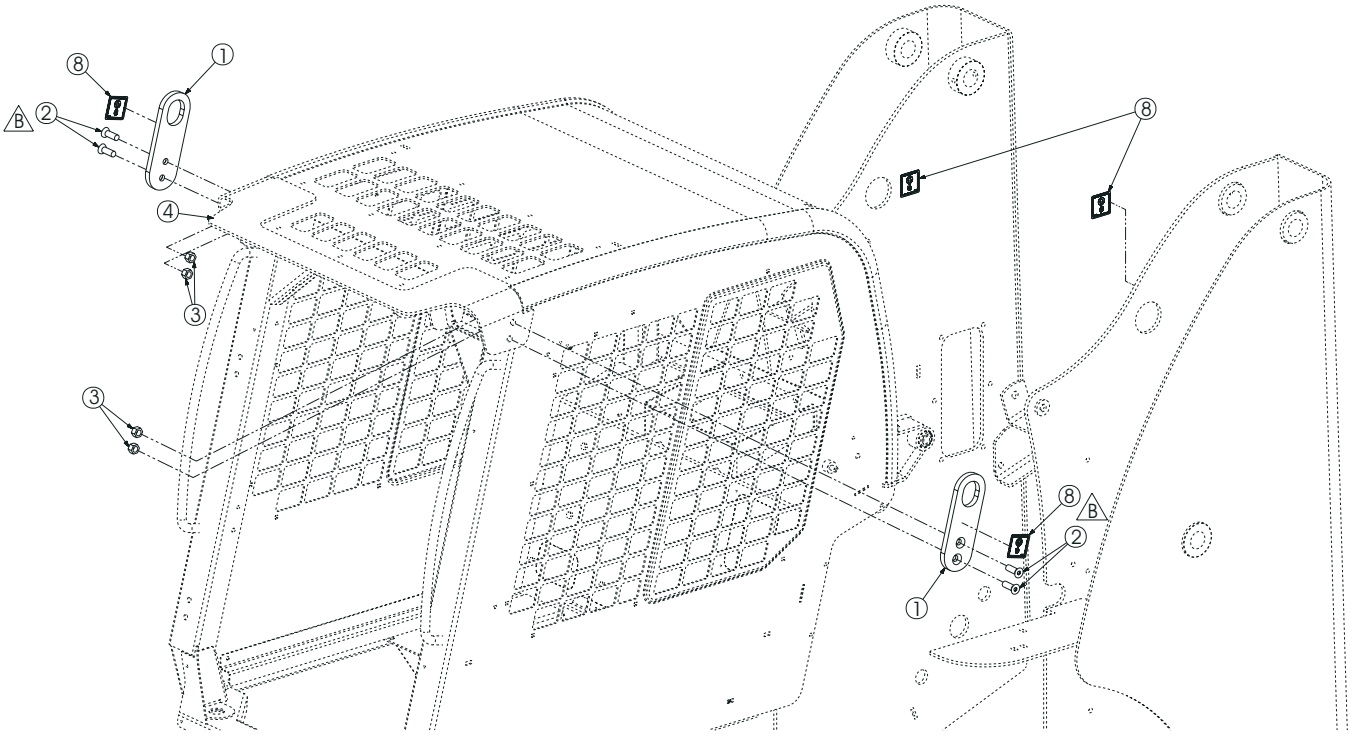
Impact-Resistant Front Door Kit 810561

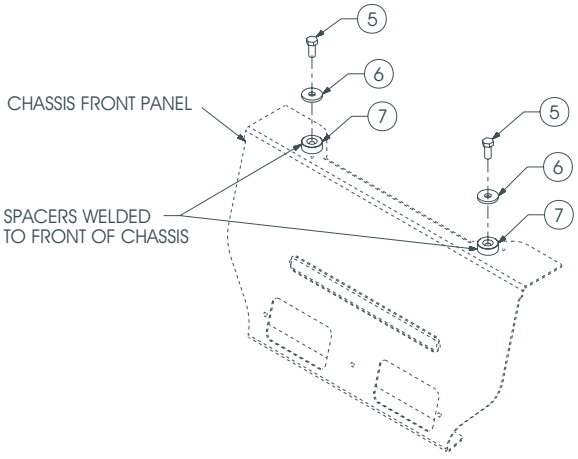




Ref No	Part No	Description	Qty Req
1	055648	TIE/WIRE	2
2	071401	NUT/HEX 1/4	6
3	071703	NUT/LOCK 3/8	2
4	139438	SCREW/FLANGE 3/8 X 5/8	4
5	122485	STUD	2
6	132493	CLIP/GAS SPRING	2
7	137462	WASHER/SEALING 1/4	6
8	137890	SCREW/MACHINE #6 X 1	2
9	138263	SPRING/GAS ASSIST	1
10	138266	SWITCH/LIMIT	1
11	138834	HARNESS/WIRE/IMPACT DOOR	1
12	187762	PLATE/STRIKER PIN MT	1
13	182076	LATCH/CAM	1
14	183869	HINGE/FRAME	2
15	183873	SHEET/FILLER/FRAME TOP	1
16	183876	SHEET/FILLER/LOW	1
17	183958	SEAL/BULB	1
18	184023	HANDLE/GRAB	1
19	184078	DOOR/LEXAN	1
20	184673	TRIM/DOOR TOP	1
21	184674	TRIM/DOOR BOTTOM	1
22	186821	STRIP/TRIM	1
23	187065	WELDMENT/DOOR/IMPACT	1
24	187076	STRIP/TRIM 15.00"	1
25	187405	TAB/LEXAN DOOR	6
26	187724	STRIKER	1
27	310-32564	SCREW/CAP M6 X 20 MM	3
28	310-32613	SCREW/CAP M6 X 50 MM	1
29	420-36185	HANDLE/CAB DOOR	1
	420-35399	KEY	1
30	650315	SCREW/HEX TC 1/4 X 1	10
31	650548	SCREW/MACHINE #10 X 3/4	2
32	190252	BACKPLATE W/ STANDOFFS	1
33	650835	SCREW/CAP 1/4 X 1	6
34	650851	SCREW/CAP 3/8 X 4-1/2	2
35	651464	SCREW/CAP M6 X 25 MM	3
36	654022	WASHER/LOCK 1/4	3
37	654046	WASHER/FLAT 7/16	4
38	656047	NUT/HEX M6	3

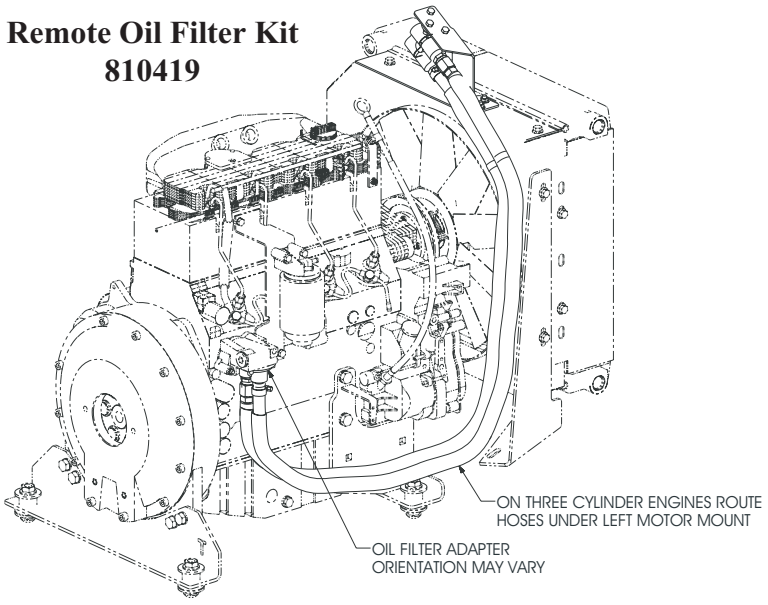
Four-Point Lift Kit 810866
(replaced by 810945)





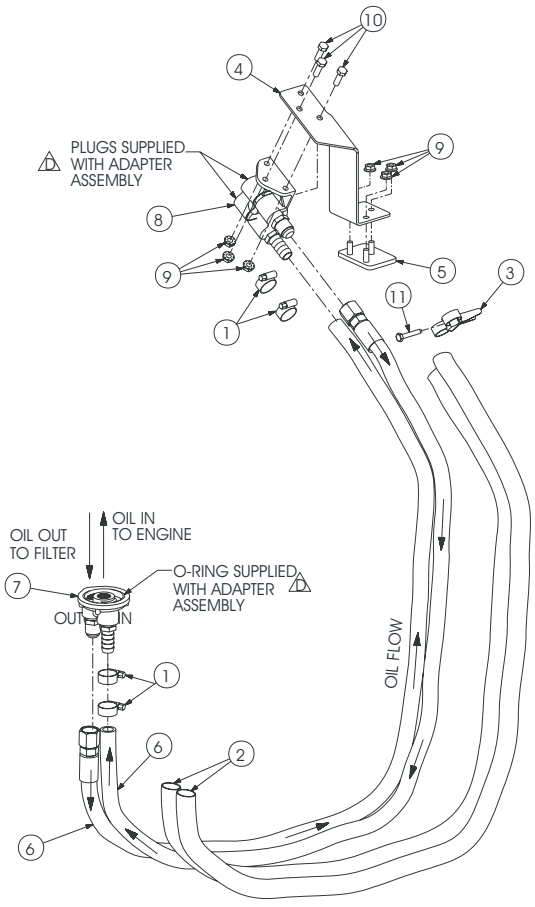
Ref. No.	Part No.	Description	Qty. Req.
REF	810866	KIT/FOUR-POINT LIFT	1
1	191782	LIFT HOOK/FOUR POINT LIFT	2
2	310-32585	CS 1/2x1-1/2 C5ZY	4
3	653018	HEX NUT 1/2 C2ZY	4
4	REF	BILL/ROPS ROOF	1
5	650532	SCREW/CAP 5/8 X 1-1/2	2
6	480-27676	WASHER/FLAT	2
7	187981	SPACER/THREADED MOUNTING	2
8	137718	DECAL/LIFT HOOK	4

Remote Oil Filter Kit 810419



VIEW "A"

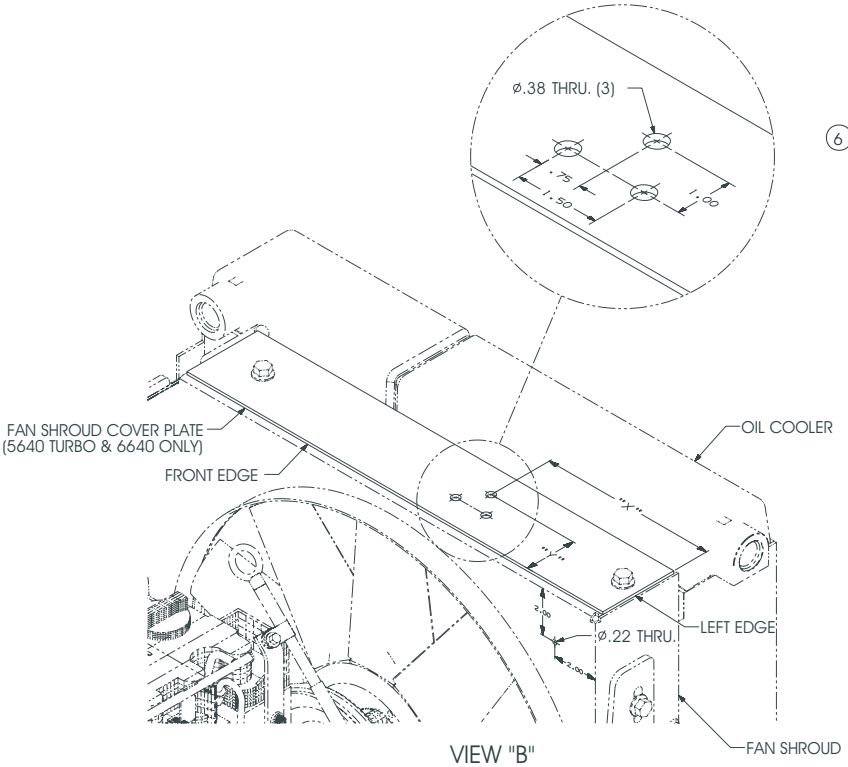
REMOTE OIL FILTER INSTALLED ON FOUR CYLINDER ENGINE



EXPLODED VIEW

C NOTE:
APPLY PIPE THREAD SEALANT TO HOSE BARB FITTINGS (087792) AND PLUG THREADS.

INCLUDES PLUGS
INCLUDES O-RING D



VIEW "B"

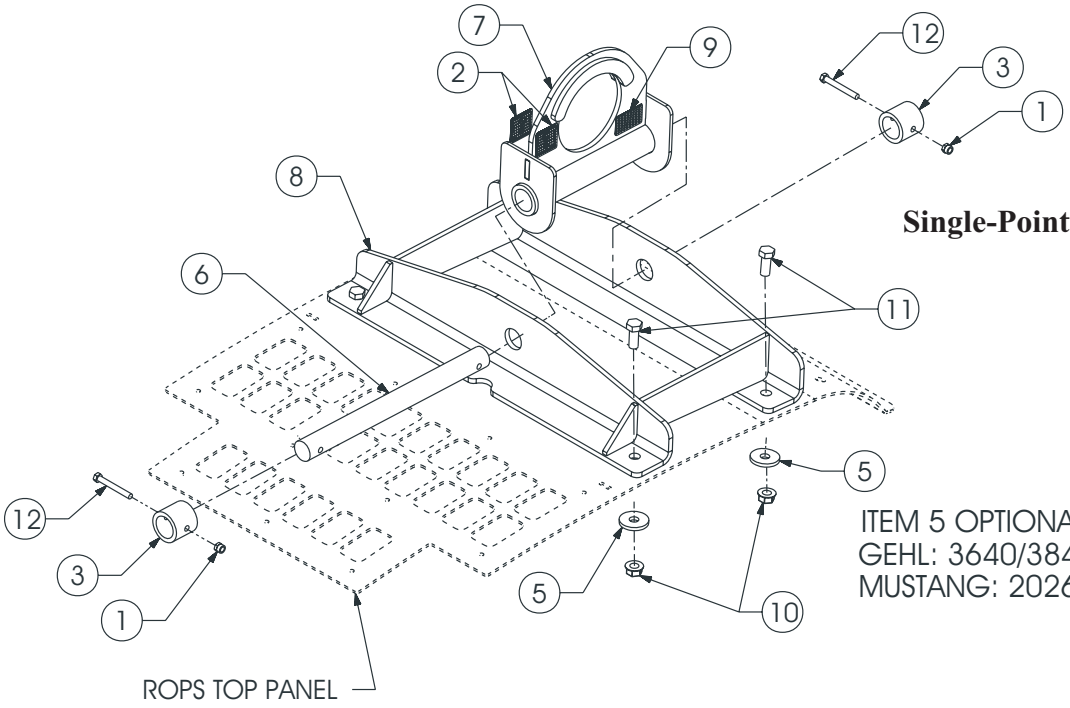
TABLE 1

FILTER BRACKET MOUNTING HOLE DIMENSIONS (SEE VIEW "B")		
	"X"	"Y"
4640 NA	6.25	2.13
4640 TURBO	7.25	2.13
4840	7.25	2.13
5640 NA	7.50	2.13
*5640 TURBO	7.75	2.25
*6640	7.75	2.25

* DIMENSIONS "X" & "Y" ARE TAKEN FROM FRONT AND LEFT EDGES OF THE FAN SHROUD COVER PLATE.

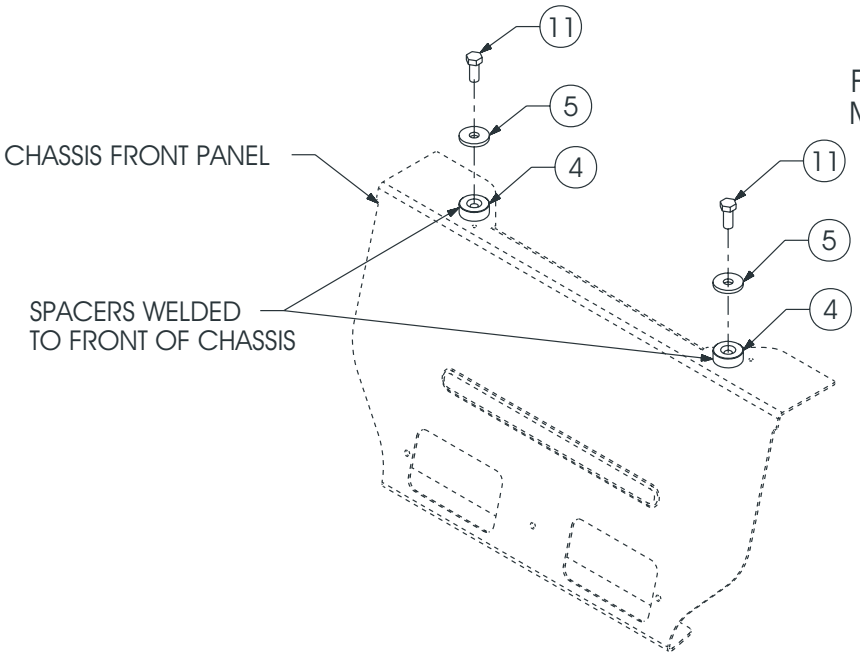
DIMENSIONS "X" & "Y" ON ALL OTHER MODELS ARE TAKEN FROM FRONT AND LEFT EDGES OF THE FAN SHROUD.

Ref. No.	Part No.	Description	Qty. Req.
1	095955	CLAMP/HOSE	4
2	136243	SLEEVE/NYLON PROTECTIVE	2
3	137859	TIE/DUAL CLAMP	1
4	186910	BRACKET/OIL FILTER	1
5	187569	ASS'Y/PLATE/OIL FILTER MOUNT	1
6	191138	HOSE 5/8 / REMOTE OIL OUT	2
7	191201	ASSY/ADAPTER	1
	191651	O-RING 2-1/2 X 1/8	1
8	191202	ASSY/MOUNT/FILTER	1
9	210-19470	NUT/FLRSUF 5/16	6
10	650487	SCREW/CAP 5/16 X 1	3
11	650959	SCREW/TC 1/4 X 1-1/2	1
12	132023	FILTER/ENGINE OIL (REF ONLY)	1



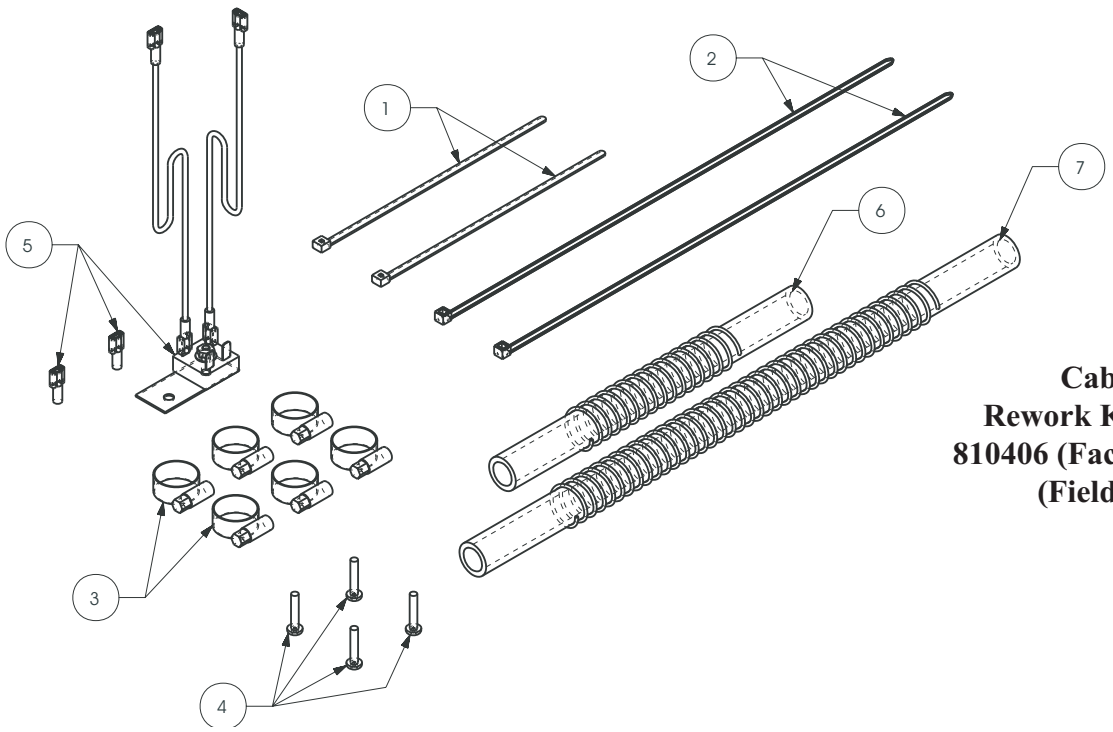
Single-Point Lift Kit 810834

ITEM 5 OPTIONAL FOR MODELS
GEHL: 3640/3840/4240
MUSTANG: 2026/2041, 2044/2054



FOR GEHL 4640, 4840, 5640, 6640
MUSTANG 2066, 2076, 2086 ONLY

Ref. No.	Part No.	Description	Qty. Req.
1	067847	NUT/HEX 3/8	2
2	137718	DECAL/LIFT HOOK	2
3	138669	TUBE/LOCKING	2
4	187981	SPACER/THREADED MOUNTING	2
5	480-27676	WASHER/FLAT	6
6	188050	ROD/LIFT SUPPORT	1
7	188053	WELDMENT/LIFT EYE ASSY	1
8	191072	WELDMENT/ SINGLE POINT LIFT	1
9	191746	PLATE/NAME	1
10	210-20570	NUT/SERRATED PLATED	6
11	650532	SCREW/CAP 5/8 X 1-1/2	6
12	650818	SCREW/CAP 3/8 X 3	2

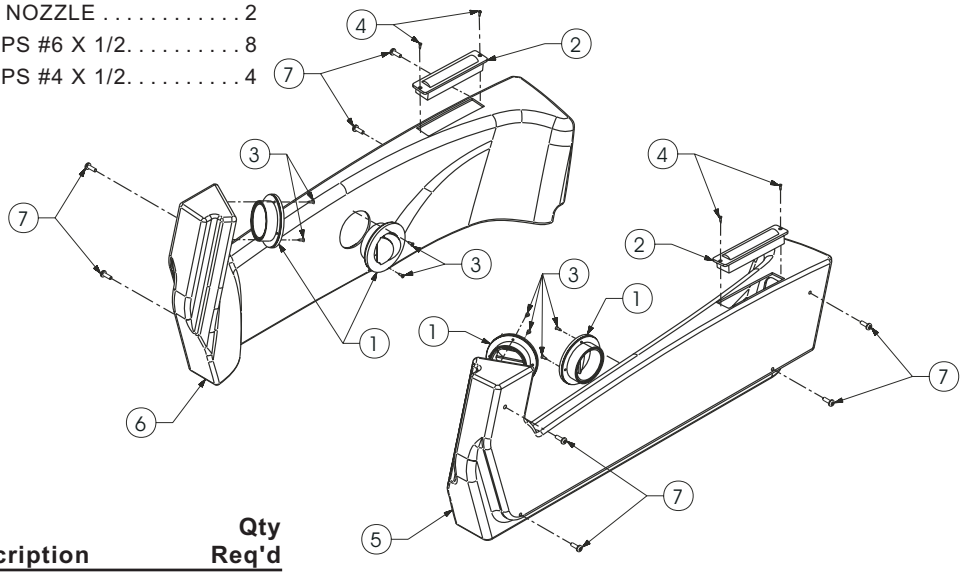


Cab Heater Rework Kit 186935 for 810406 (Factory) or 810414 (Field) Heaters

Ref No.	Part No.	Description	Qty.
REF	186935	KIT/CAB HEATER REWORK	1
1	055648	TIE/WIRE	2
2	074091	TIE/NYLON	2
3	095955	CLAMP/HOSE	6
4	186894	SCREW/MACHINE #10 X 1	4
5	186936	RECTIFIER PACK W/ LEADS	1
6	186944	HOSE/HEATER/INTERNAL 10"	1
7	186946	HOSE/HEATER/INTERNAL 18"	1

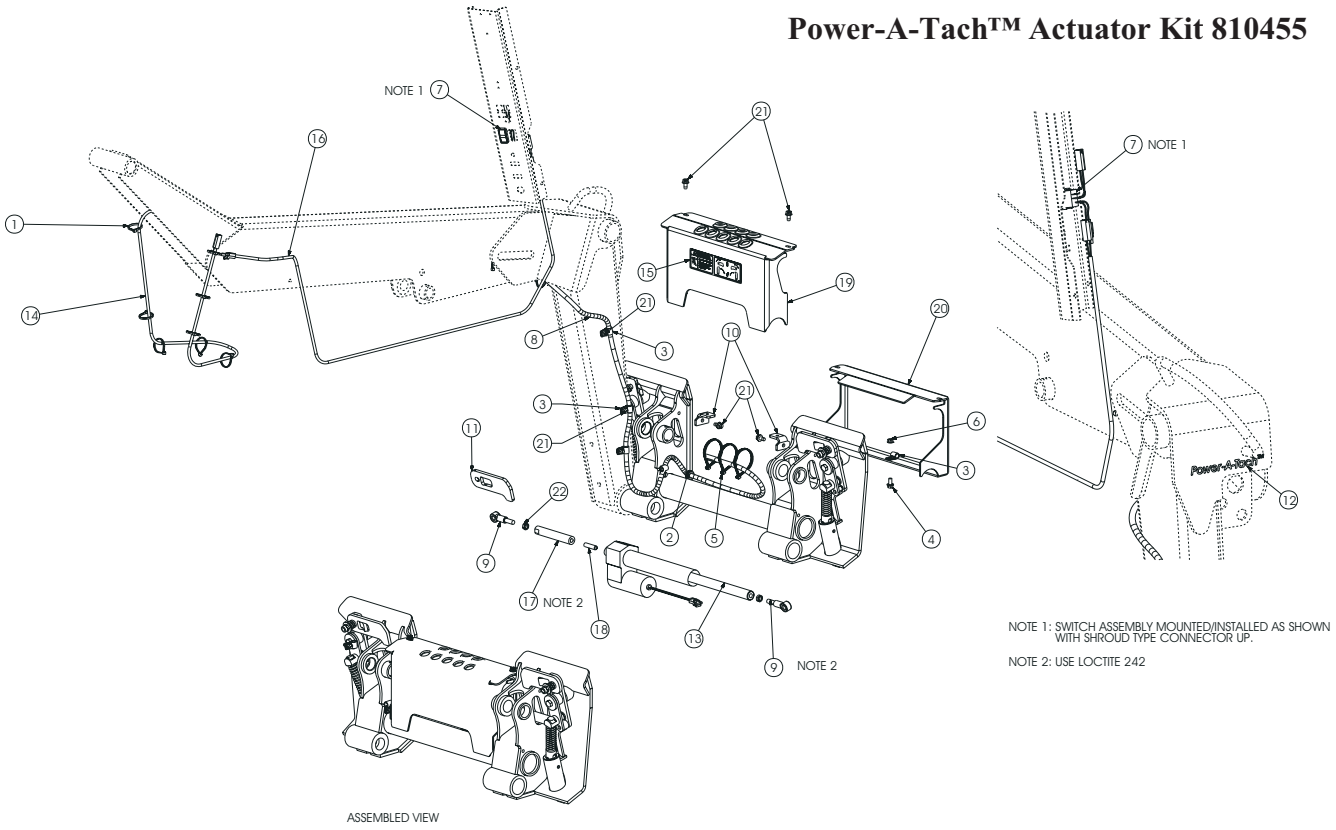
Interior Console Kit 810494

Ref No.	Part No.	Description	Qty Req'd
1	137502	LOUVER/ROUND 3"	4
2	137503	LOUVER/ROLL NOZZLE	2
3	137821	SCREW/PHILLIPS #6 X 1/2	8
4	137822	SCREW/PHILLIPS #4 X 1/2	4



Ref No.	Part No.	Description	Qty Req'd
5	183085	AIR DUCT/LEFT	1
6	183086	AIR DUCT/RIGHT	1
7	651308	SCREW/PHILLIPS 1/4 X 3/4	8

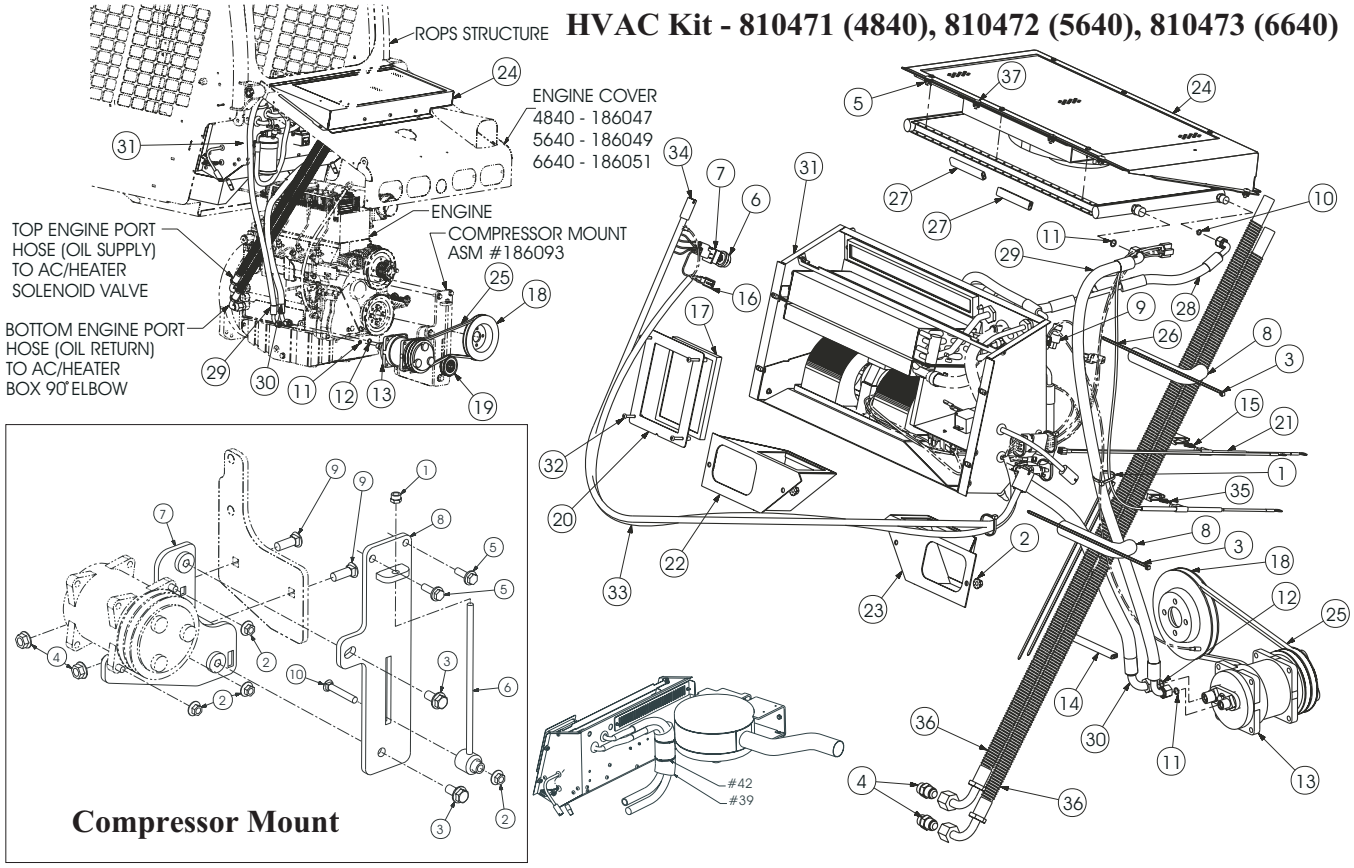
Power-A-Tach™ Actuator Kit 810455



Ref No.	Part No.	Description	Qty
1	055648	TIE/WIRE	14
2	070636	GROMMET	1
3	076147	CLAMP/TUBE	5
4	076588	HFS 3/8x3/4 C5ZY	1
5	088467	TIE/NYLON	3
6	090666	LN FL SERR 3/8 CZY	1
7	138839	SWITCH/ELEC PWR	1
8	138850	HARNESS/POWER	1
9	183612	ROD/EXTENSION RIGHT	1
10	184151	BRACKET/COVER SUPPORT	2
11	184319	FLAG	2
12	184357	DECAL/POWER-A-TACH™	1
	186743	DECAL/ATTACH BRACKET (EU)	1
13	184393	ACTUATOR	1
14	184442	HARNESS/POWER SUPPLY	1
15	184481	DECAL/POWER-A-TACH™	1
16	184522	HARNESS/POWER	1
17	191721	EXTENSION	1
18	191723	STUD/ 1/2-20x2	1
19	195036	COVER/BACK/POWER-TACH	1
20	192224	COVER/FRONT/POWER-TACH	1
21	310-32411	SCREW SELF TAPPING 3/8-16	8
22	653045	HJN 1/2-20 F2ZY	2

Package Part 192825 includes reference parts #9, #17, #18 and #22 found left of the actuator (#13).

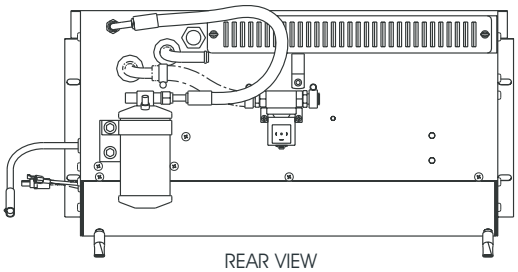
HVAC Kit - 810471 (4840), 810472 (5640), 810473 (6640)

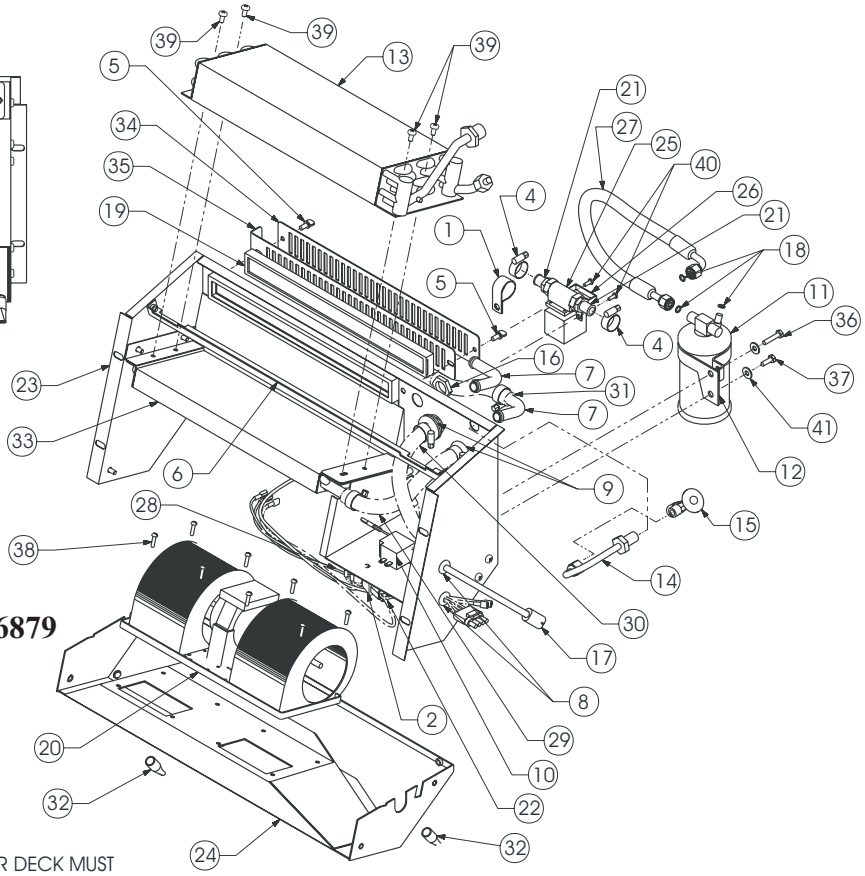


Ref No.	Part No.	Compressor Mount Description	Qty
1	067847	NUT/HEX 3/8	1
2	070856	NUT/SERRATED LOCK 3/8	4
3	076590	SCREW/CAP LOCKING 1/2 X 1	2
4	081374	NUT/WHIZLOCK 1/2	2
5	138782	SCREW/MACHINE M10 X 30 MM	2
6	184796	SPACER/IDLER	1
7	184805	MOUNT/COMPRESSOR	1
8	184806	PLATE/IDLER	1
9	650834	BOLT/CARRIAGE 1/2 X 1-1/2	2
10	652057	BOLT/CARRIAGE 3/8 X 2-1/2	1

Ref No.	Part No.	HVAC Description	Qty
1	055648	TIE/WIRE	5
2	070648	NUT/FLLSUF 5/16	8
3	074091	TIE/NYLON	4
4	132362	ST M18 X 1/5 FL10	2
5	134588	NUT/SPIRALOCK™ 1/4-20	9
6	136304	KNOB/HEATER SWITCH	1
7	136305	SWITCH/HEATER (BLOWER)	1
8	138454	NYLON PROTECTIVE SLEEVE	2
9	138714	SWITCH/BINARY/AC (PRESSURE)	1
10	138777	O-RING/AC/#6 FITTING	2
11	138778	O-RING/AC/#8 FITTING	2
12	138779	O-RING/AC/#10 FITTING	2
13	140614	AC COMPRESSOR ASSY	1
	139288	CLUTCH/AC COMPRESSOR	1
14	140931	STRIP/TRIM	1
15	170715	FUSE/40 AMP	1
16	183608	SWITCH/ROCKER/ON-OFF-ON	1
17	184709	FILTER/RECIRCULATION AIR	1
18	184804	ASSY/CRANK PULLEY	1
19	186030	PULLEY/FLAT W/ BRG	1
20	186066	GRILLE/RECIRCULATION AIR	1
21	186198	ELECT/HARNESS_BATTERY	1
22	186246	DUCT/RIGHT/AC	1
23	186248	DUCT/LEFT/AC	1
24	186252	CONDENSER HOUSING ASSY	1
25	186747	BELT	1
26	186762	AC HARNESS_BATTERY	1
27	186821	STRIP/TRIM	2
28	186839	HOSE/#6/AC/SERVICE PORT	1
29	186852	HOSE/#8/AC/COMP TO COND	1
30	186854	HOSE/#10/AC/COMP-EVAP	1
31	186879	AC MAIN HOUSING ASSY	1
32	186894	PHMS #10 X 1 TAPTITE	4
33	187001	AC HARNESS/COLD CONTROL	1
34	187041	HARNESS/WIRE/HTR SWITCH	1
35	187042	FUSE 25 AMP	1
36	189336	ASSY/HOSE/SPRING GUARD	2
37	651307	PHMS SLT 1/4 X 1/2 ZB	9

HVAC Kit 810471 (4840), 810472 (5640), 810473 (6640) - Service Parts Assemblies





Main A/C Housing Assembly - 186879

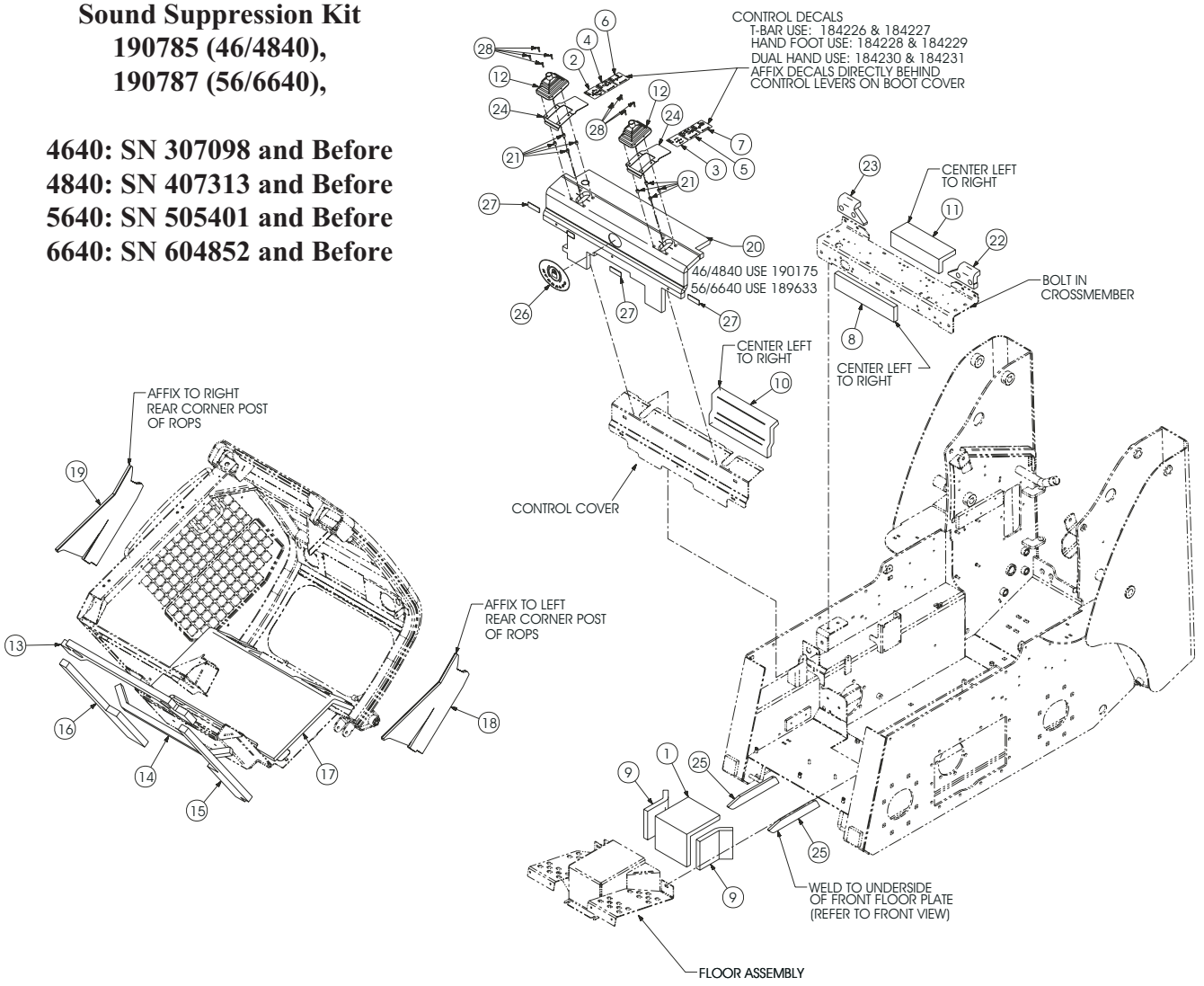
NOTE:
1. ALL COMPONENTS CONTACTING ROPS/FOPS REAR DECK MUST BE LINED WITH FOAM TAPE FOR SEALING PURPOSES.
2. OUTSIDE OF HOUSING COMPONENTS TO BE LINED WITH ENSOLITE FOR CLIMATE CONTROL PURPOSES

Ref No.	Part No.	Description	Qty Req'd
REF	186879	HOUSING ASSY/MAIN A/C	1
1	058805	CLAMP/HOSE	1
2	076058	RELAY/ISO SPDT	1
3	084175	NUT/HEX #10	3
4	095955	CLAMP/HOSE	7
5	136314	THUMBSCREW	2
6	138548	BRACKET/REINFORCEMENT	1
7	138554	ELBOW/90° 5/8 TUBE	2
8	138562	GROMMET	2
9	138563	GROMMET	2
10	138623	SWITCH/PRESET COLD CONTROL	1
11	138649	RECEIVER/DRYER/AC	1
12	138651	CLAMP/RECEIVER DRYER	1
13	138678	CORE/EVAPORATOR/AC	1
14	138720	PIPE/BULKHEAD AC FITTING	1
15	138723	VALVE/EXPANSION/AC	1
	194935	O-RING KIT/EXP VALVE	1
16	138728	NUT/JAM 7/8	1
17	138768	HARNESS/WIRE/AC COLD SW	1
18	138777	O-RING/AC/#6 FITTING	3
19	184708	FILTER/FRESH AIR	1
20	186151	BLOWER/DOUBLE	1
	194981	CONTROLLER/FAN SPEED (KIT)	1
21	186193	FITTING/STR 1/2MPT X 5/8 HOSE	2
22	186203	HARNESS/HEATER RELAY	1
23	186269	HOUSING/AC	1
24	186270	DRIP PAN/AC	1
25	186703	HEATER/AC SOLENOID VALVE	1
26	186716	CLAMP/VALVE	1
27	186838	HOSE/#6/AC/DRYER	1
28	186936	PACK/RECTIFIER W/LEADS	1
29	186944	HOSE/HEATER/INTERNAL 10"	1
30	186946	HOSE/HEATER/INTERNAL 18"	1
31	186996	HOSE HEATER/EXTERNAL	1
32	187030	CAP/DRIP	2
33	189129	CORE/HEATER	1
34	189165	GRILLE/FILTER OUTER	1
35	189168	GRILLE/FILTER INNER	1
36	650426	SCREW/CAP 1/4 X 1-1/4	1
37	650448	SCREW/CAP 1/4 X 3/4	1
38	650815	SCREW/MACHINE #10 X 3/4	8
39	651307	SCREW/PHILLIPS 1/4 X 1/2	20
40	651312	SCREW/MACHINE #10 X 1/2	2
41	654002	WASHER/FLAT 1/4	2

* Other service parts (not shown): 191977 Gas Spring, L500594 Fan, L500595 Condensor Coil

Operator Compartment Sound Suppression Kit 190785 (46/4840), 190787 (56/6640),

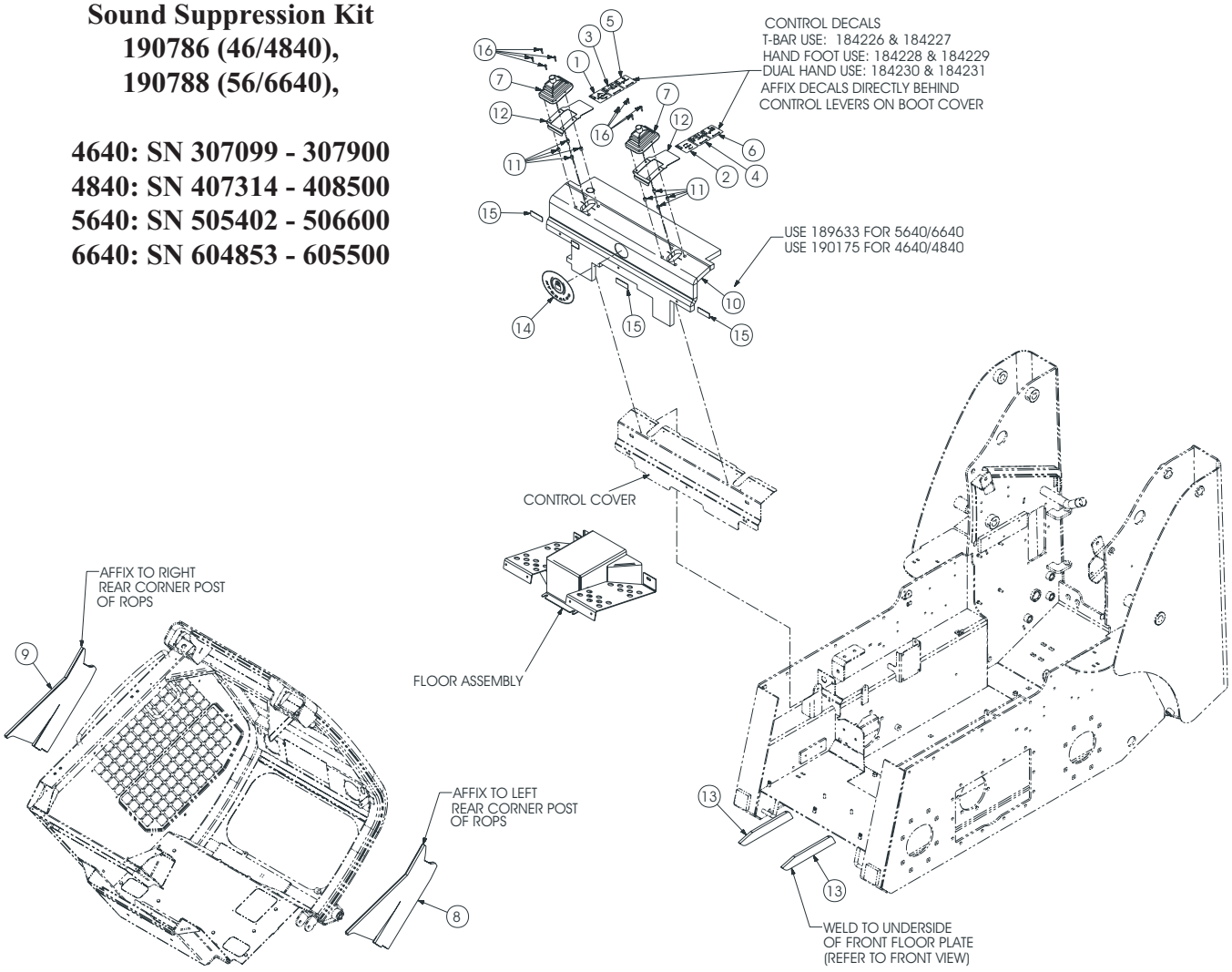
4640: SN 307098 and Before
4840: SN 407313 and Before
5640: SN 505401 and Before
6640: SN 604852 and Before



Ref. No.	Part No.	Description	Qty Req'd
1	135374	PAD	1
2	184226	DECAL/T-BAR RIGHT	1
3	184227	DECAL/T-BAR LEFT	1
4	184228	DECAL/HAND/FOOT RIGHT	1
5	184229	DECAL/HAND/FOOT LEFT	1
6	184230	DECAL/DUAL HAND RIGHT	1
7	184231	DECAL/DUAL HAND LEFT	1
8	187830	ACOUSTIC PAD/CRSMBER CTR	1
9	187866	PAD/ACOUSTIC FRTCOV SIDE	2
10	187869	PAD/ACOUSTIC FRONT COVER	1
11	187881	PAD/ACOUSTIC CROSSMEMBER	1
12	189108	BOOT/T-BAR	2
13	190142	SEAL/ROPS FRONT	1
14	190143	SEAL/ROPS REAR	12
15	190145	SEAL/ROPS LH	1
16	190147	SEAL/ROPS RH	1
17	190150	PAD/ACOUSTIC REAR DECK	1
18	190153	COVER/ROPS PILLAR LH	1
19	190172	COVER/ROPS PILLAR RH	1
20	190175	PAD/SOUND/46-4840HEEL	1
21	190203	SUPPORT/BODY BEZEL	8
22	190436	ACOUSTIC PAD/FRT LH SEAT	1
23	190437	ACOUSTIC PAD/FRT RH SEAT	1
24	190457	COVER/BOOT	2
25	190483	SUPPORT/FLOOR	2
26	190646	DECAL/HYDRALOC™	1
27	190901	FASTENER/VELCRO	3
28	651651	SCREW/TAPPING #10 X 1	8

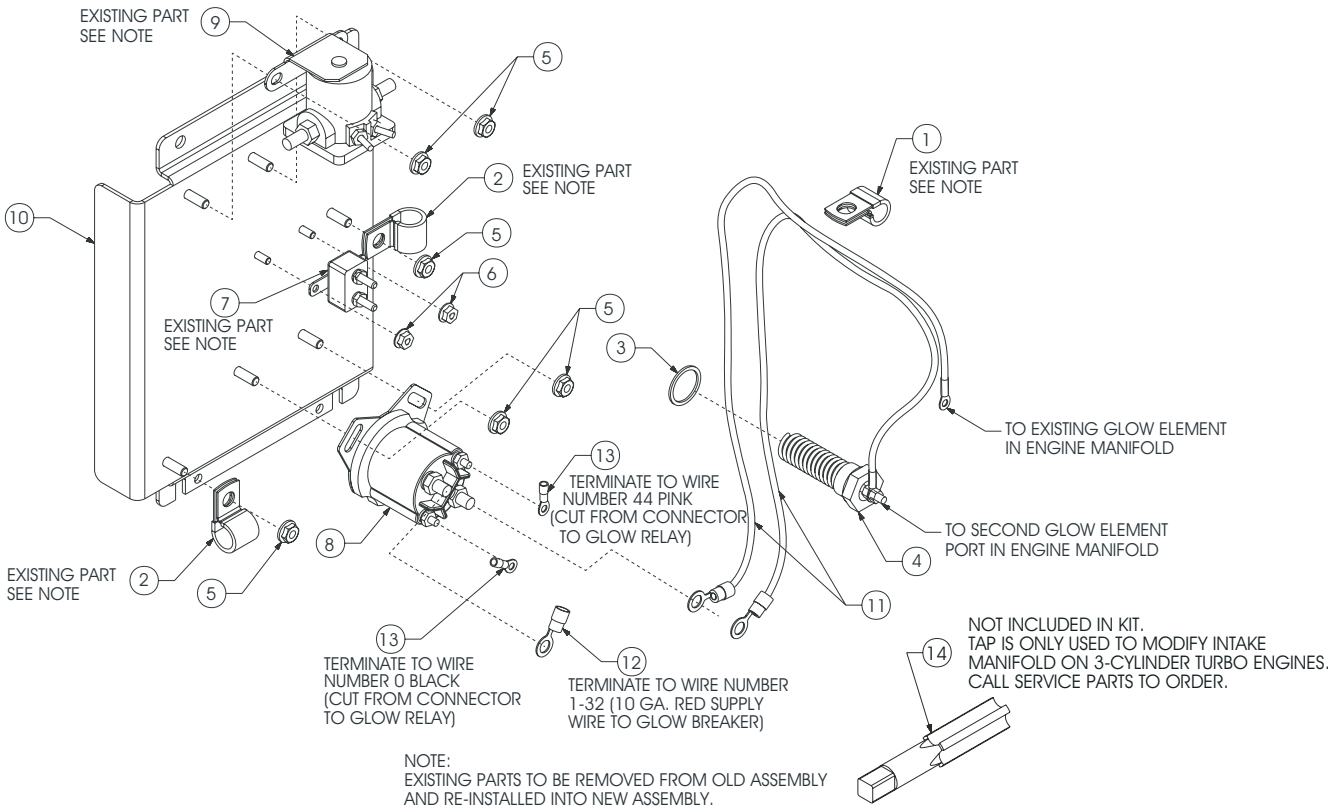
Operator Compartment Sound Suppression Kit 190786 (46/4840), 190788 (56/6640),

4640: SN 307099 - 307900
4840: SN 407314 - 408500
5640: SN 505402 - 506600
6640: SN 604853 - 605500



Ref. No.	Part No.	Description	Qty Req'd
1	184226	DECAL/T-BAR RIGHT	1
2	184227	DECAL/T-BAR LEFT	1
3	184228	DECAL/HAND/FOOT/RIGHT	1
4	184229	DECAL/HAND/FOOT/LEFT	1
5	184230	DECAL/DUAL/HAND RIGHT	1
6	184231	DECAL/DUAL/HAND LEFT	1
7	189108	BOOT/T-BAR	2
8	190153	COVERS/ROPS PILLAR LH	1
9	190172	COVERS/ROPS PILLAR RH	1
10	190175	PAD	1
11	190203	SUPPORT/BOOT BEZEL	8
12	190457	COVER/BOOT	2
13	190483	SUPPORT/FLOOR	2
14	190646	DECAL/HYDRALOC™	1
15	190901	FASTENER/VELCRO	3
16	651651	SCREW/TAPPING #10 X 1	8

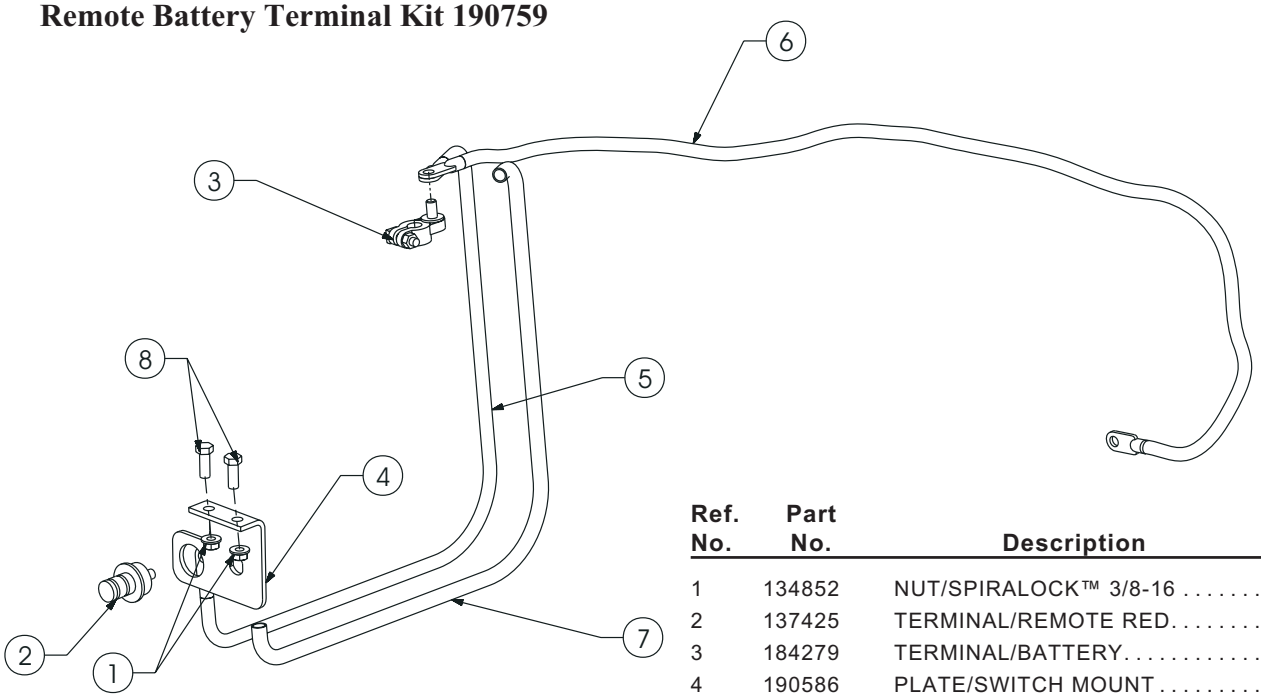
Dual Glow Upgrade Kit 189850



Ref. No.	Part No.	Description	Qty. Req.
1	076147	CLAMP/TUBE (*EXISTING PART - EP*)	1
2	128007	CLAMP/TUBE (*EP*)	2
3	133138	RING/SEALING M22 X 27 MM	1
4	133215	PLUG/GLOW M22 X 1.5 MM	1
5	134588	NUT/SPIRALOCK™ 1/4	6
6	137797	NUT/SERR FLANGE #10	2
7	190179	BREAKER/CIRCUIT 50 A / WP (*EP*)	1
8	187402	SOLENOID/START	1
9	188087	SOLENOID/STARTER RELAY (*EP*)	1
10	189558	ASSY/BRKT/ENGINE ELEC.	1
11	189815	CABLE/PREHEATER	2
12	189852	TERMINAL/0.31 RING/INS/10 GA	1
13	189855	TERMINAL/0.19 RING/INS/14 GA	2
14	190170	TAP/M22 X 1.5 MM	AR*

*AR - As Required.

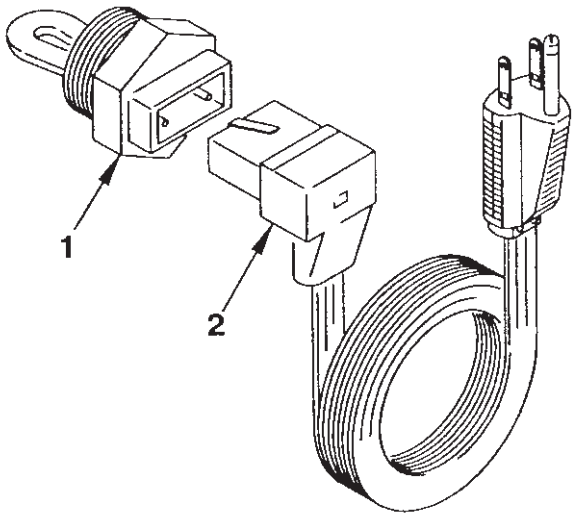
Remote Battery Terminal Kit 190759



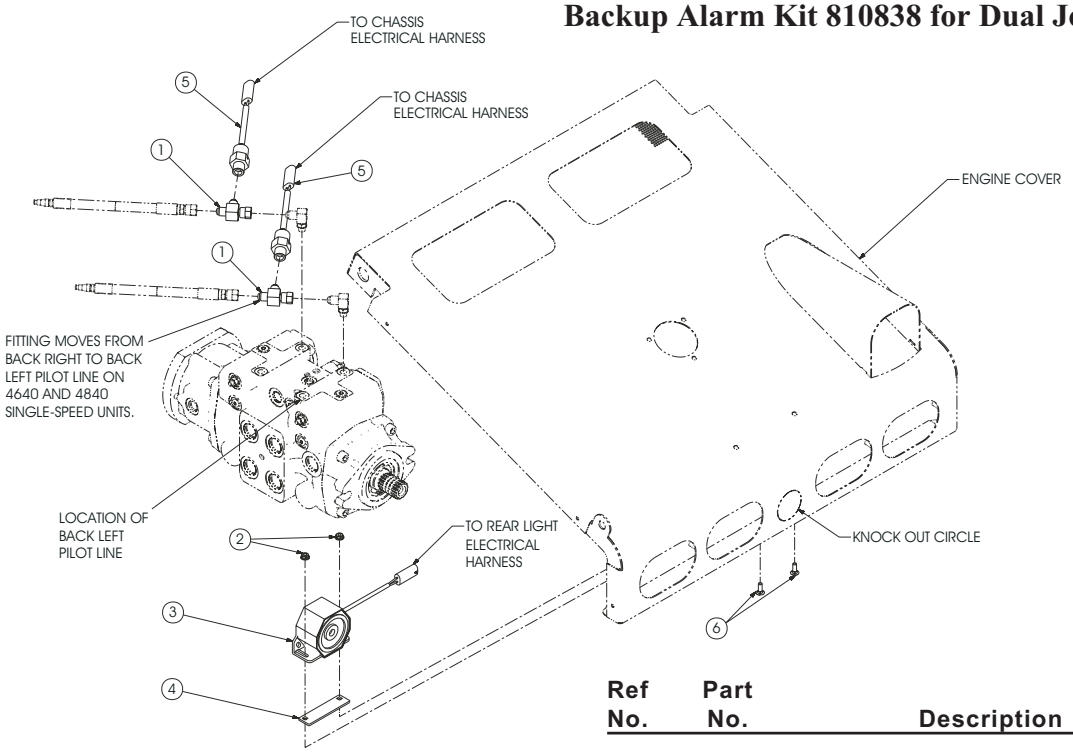
Ref. No.	Part No.	Description	Qty. Req.
1	134852	NUT/SPIRALOCK™ 3/8-16	2
2	137425	TERMINAL/REMOTE RED	1
3	184279	TERMINAL/BATTERY	1
4	190586	PLATE/SWITCH MOUNT	1
5	190758	CABLE/BAT/REMOTE TERM	1
6	190760	CABLE/BATTERY POS	1
7	190761	LOOM/BATTERY CABLE	1
8	650490	SCREW/CAP 3/8 x 1	2

Engine Pan Heater Kit 808203

Ref. No.	Part No.	Description	Qty. Req.
	808203	KIT/BLOCK HEATER	1
1	136914	HEATER/ENGINE	1
2	133932	CORD/HEATER	1



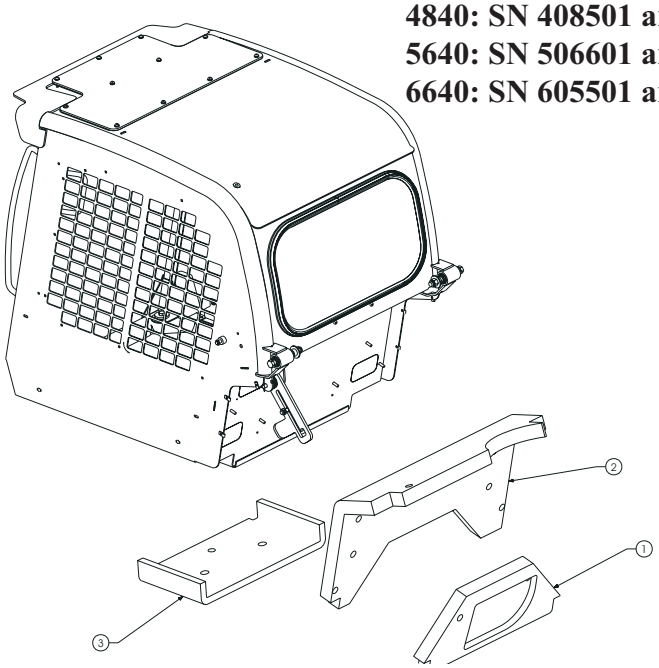
Backup Alarm Kit 810838 for Dual Joystick Controls

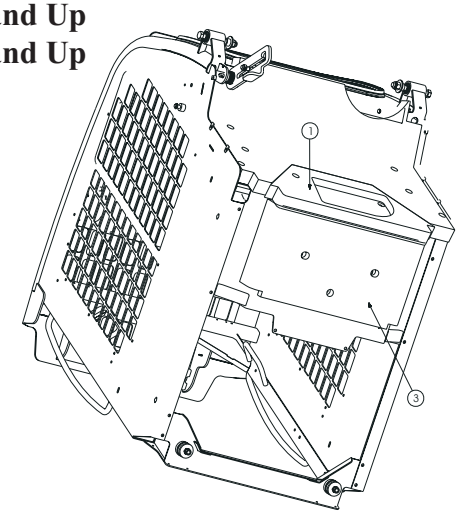


Ref No.	Part No.	Description	Qty. Req'd.
1	072806	Tee/Hydr. Fitting	2
2	134588	Nut/Spiralock 1/4-20	2
3	140880	Alarm/Back-Up	1
4	184491	Spacer/Backup Alarm	1
5	187045	Switch/Pressure	2
6	650758	CB 1/4-20 x 3/4	2

Cab Sound Suppression Kit 810776

4640: SN 307901 and Up
4840: SN 408501 and Up
5640: SN 506601 and Up
6640: SN 605501 and Up

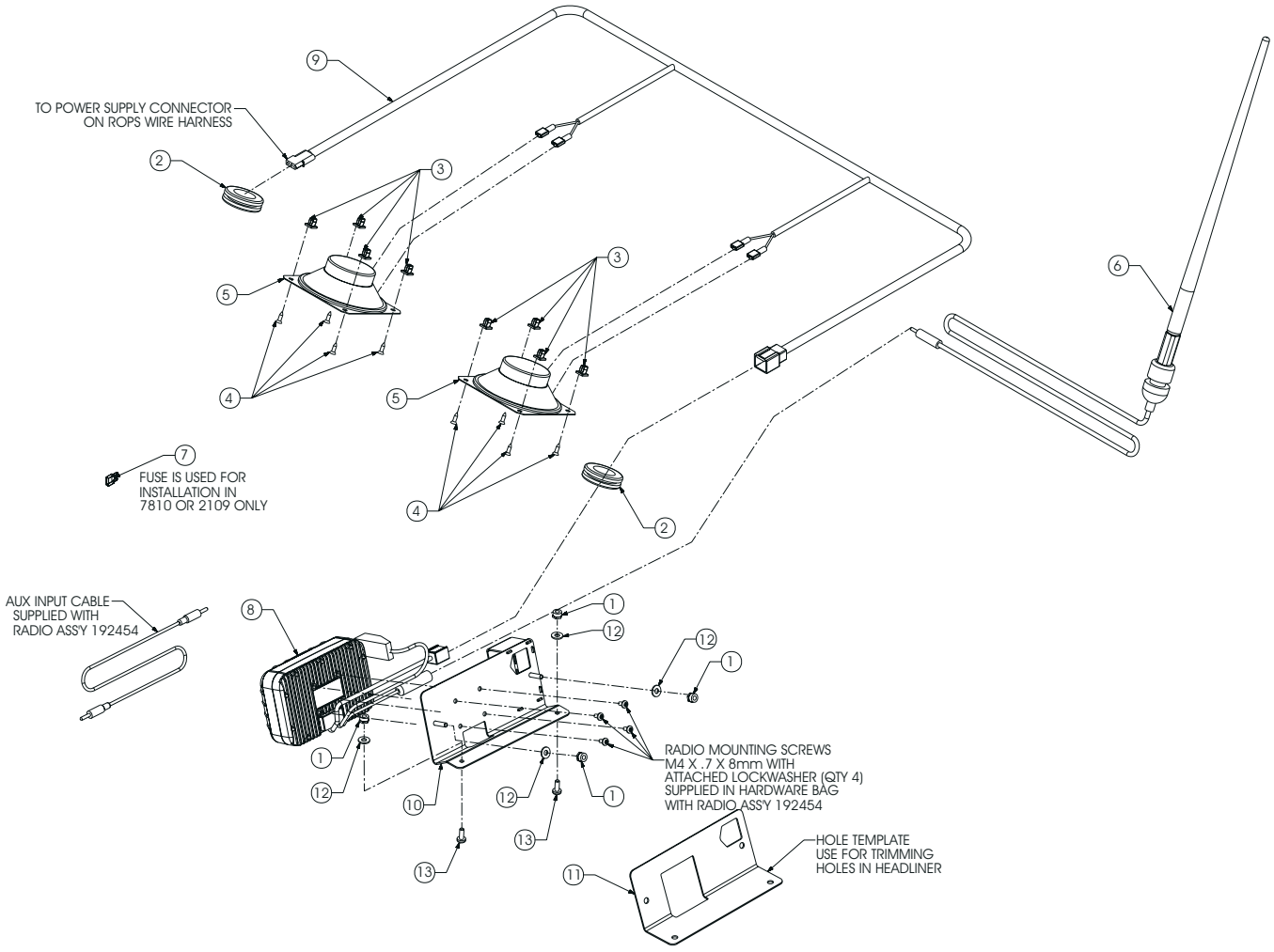




INSTALLED FOAM VIEW

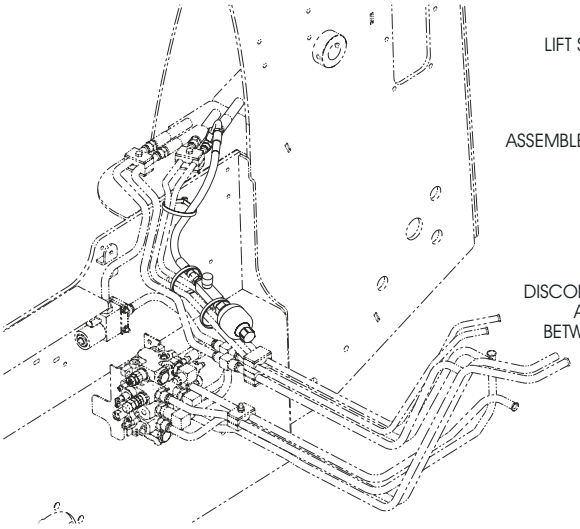
Ref No.	Part No.	Description	Qty. Req'd.
1	190312	FOAM/UNDERCAB	1
2	190313	FOAM/BACK OF ROPS	1
3	190332	FOAM/SEAT PAN	1

Radio, AM-FM-WB Kit 810897
(replaces 810429)



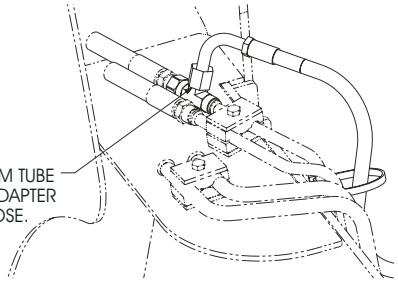
Ref. No.	Part No.	Description	Qty. Req.
1	084175	NUT/HEX #10	4
2	119888	GROMMET/RUBBER	2
3	137463	GROMMET/PANEL FASTENER	8
4	137821	SCREW/PHILLIP FH #6 X 1/2	8
5	184505	SPEAKER/RADIO 4"	2
6	184507	ANTENNA/RADIO	1
7	184631	FUSE/ATM/10 A	1
8	192454	RADIO/AM-FM-WB	1
9	192456	HARNESS/WIRE RADIO	1
10	193992	PLATE/MATING RADIO MOUNT	1
11	193993	TEMPLATE/RADIO MOUNT	1
12	650584	WASHER/FLAT #10	4
13	651343	SCREW/MACHINE PH #10 X 1/2	2

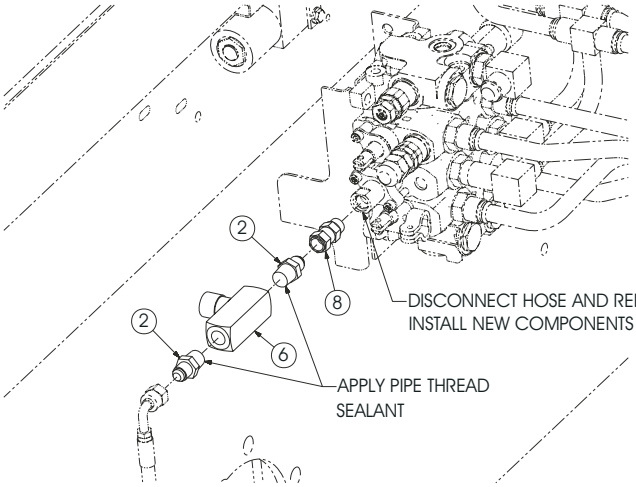
Hydraulic Dampening Kit 810880



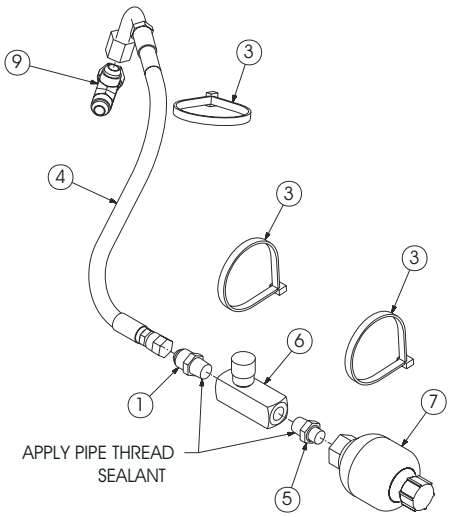
LIFT SECTION ILLUSTRATIONS

ASSEMBLED VIEWS





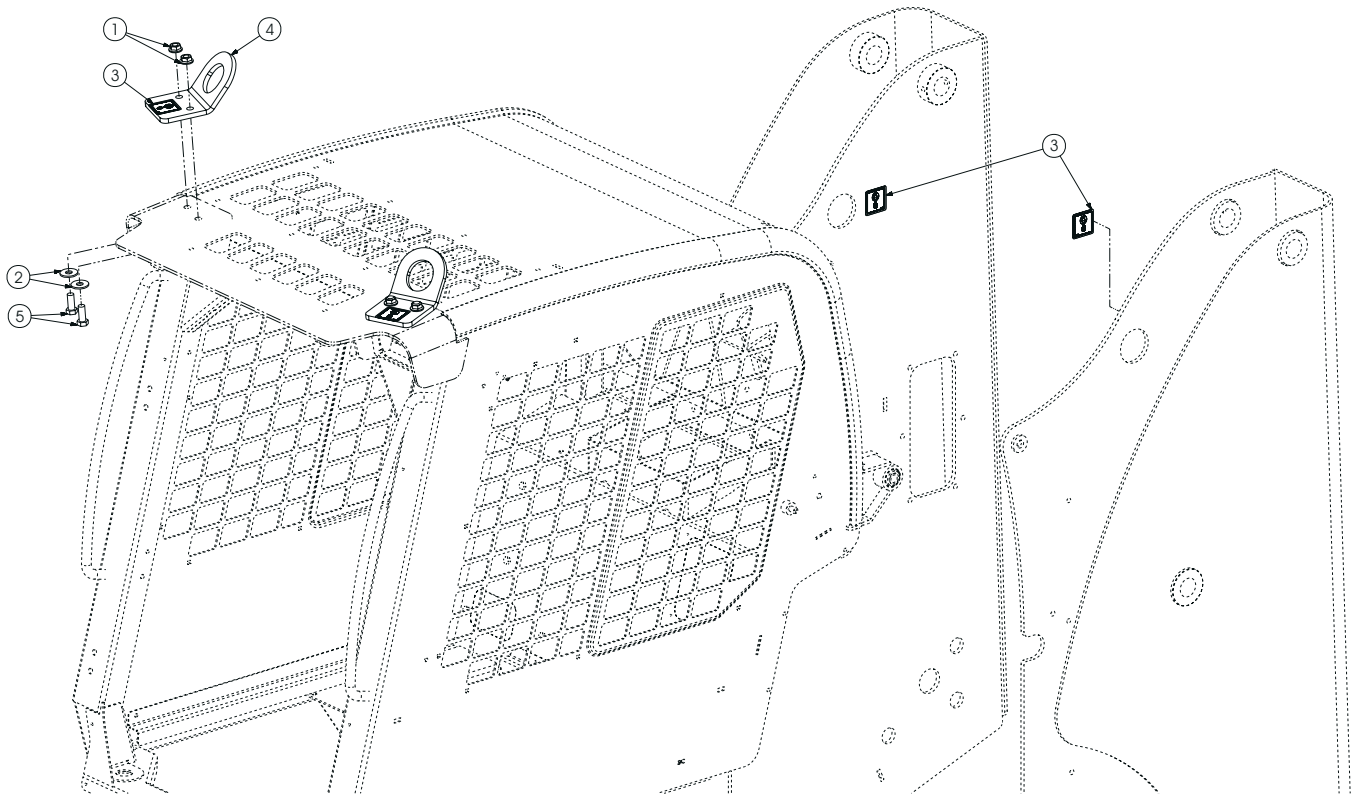
TILT SECTION ILLUSTRATION



EXPLODED VIEW

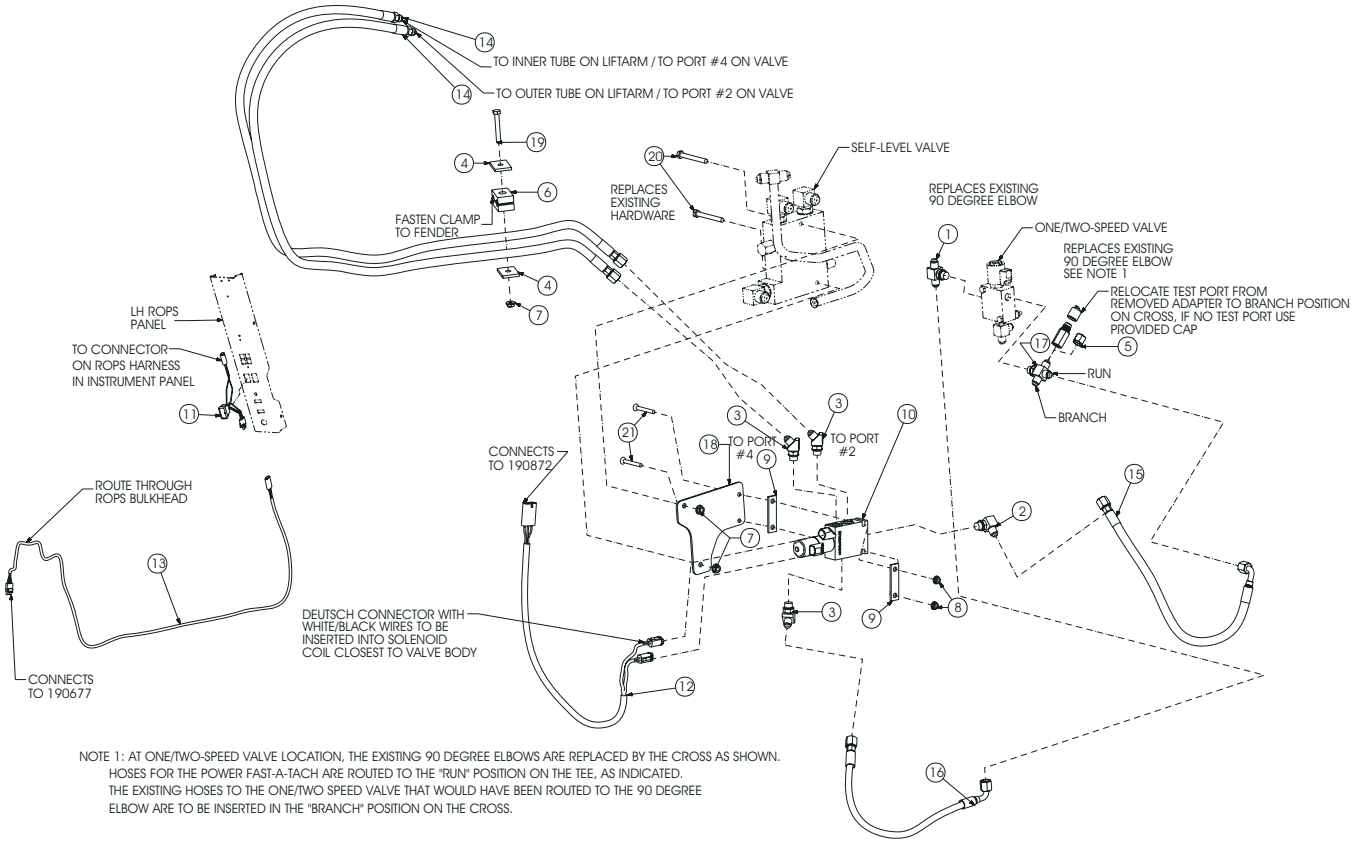
Ref. No.	Part No.	Description	Qty. Req.
1	062409	ST MP06 FL08	1
2	062889	ADAPTER/STEEL PIPE	2
3	088467	TIE/NYLON	3
4	132054	HOSE/MP .50 x 20	1
5	191842	ST SA06 x 3/8 NPT	1
6	191843	VALVE/FLOW CONTROL	2
7	191845	ACCUMULATOR	1
8	191855	ST SA06 FLFSW06	1
9	230-19184	TEE/FEMALE RUN SWIVEL	1

Four-Point Lift Kit 810945
(replaces 810866)



Ref. No.	Part No.	Description	Qty. Req.
1	134853	NUT/SPIRALOCK™ 1/2	4
2	134966	WASHER/FLAT 1/2	4
3	137718	DECAL/LIFT HOOK	4
4	193035	LIFT EYE/FOUR-POINT	2
5	651357	SCREW/CAP 1/2 X 1-1/4	4

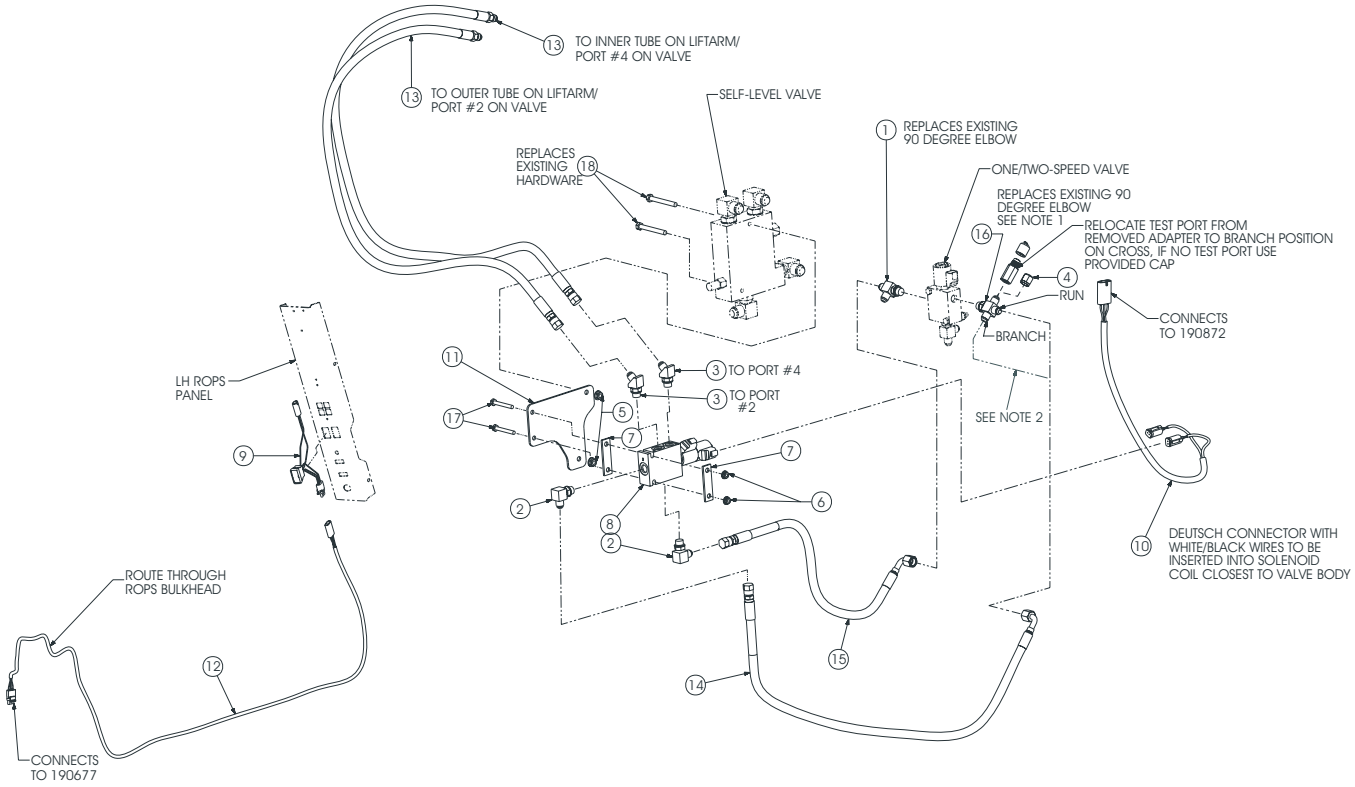
Hydraulic Power All-Tach™ Kit 810959 (4640/4840)
and
Hydraulic Power All-Tach™ Kit 810960 (5640)



NOTE 1: AT ONE/TWO-SPEED VALVE LOCATION, THE EXISTING 90 DEGREE ELBOWS ARE REPLACED BY THE CROSS AS SHOWN. HOSES FOR THE POWER FAST-A-TACH ARE ROUTED TO THE "RUN" POSITION ON THE TEE, AS INDICATED. THE EXISTING HOSES TO THE ONE/TWO SPEED VALVE THAT WOULD HAVE BEEN ROUTED TO THE 90 DEGREE ELBOW ARE TO BE INSERTED IN THE "BRANCH" POSITION ON THE CROSS.

Ref No.	Part Number	Description	Qty Req'd
1	055981	FITTING/TEE JIC06XSAE06XJIC06	1
2	068938	FITTING/90° SAE06 X JIC06	1
3	079026	FITTING/45° SAE06 X JIC06	3
4	079098	PLATE/TWIN COVER	2
5	080556	CAP 9/16 37° FLARE	1
6	088904	CLAMP/TUBE 1/2	1
7	131842	NUT/SPIRALOCK 5/16	3
8	134588	NUT/SPIRALOCK™ 1/4	2
9	135331	STRAP	2
10	190520a	VALVE/SOLENOID	1
11	190670	SWITCH/POWER F-A-T™	1
12	190677	HARNESS/POWER F-A-T™	1
13	190872	HARNESS/POWER F-A-T™	1
14	190917	HOSE/HYDRAULIC (5640)	2
	193493	HOSE/MP 3/8 X 56 (46/4840)	2
15	190928	HOSE/HYDRAULIC	1
16	190929	HOSE/HYDRAULIC	1
17	193345	FITTING/CROSS	1
18	195012	PLATE/MATING SOLENOID VALVE	1
19	650725	SCREW/CAP 5/16 X 2-1/4	1
20	650784	SCREW/CAP 5/16 X 2-3/4	2
21	651728	SCREW/FCHC 1/4 X 2	2

Hydraulic Power All-Tach™ Kit 810961 (6640)

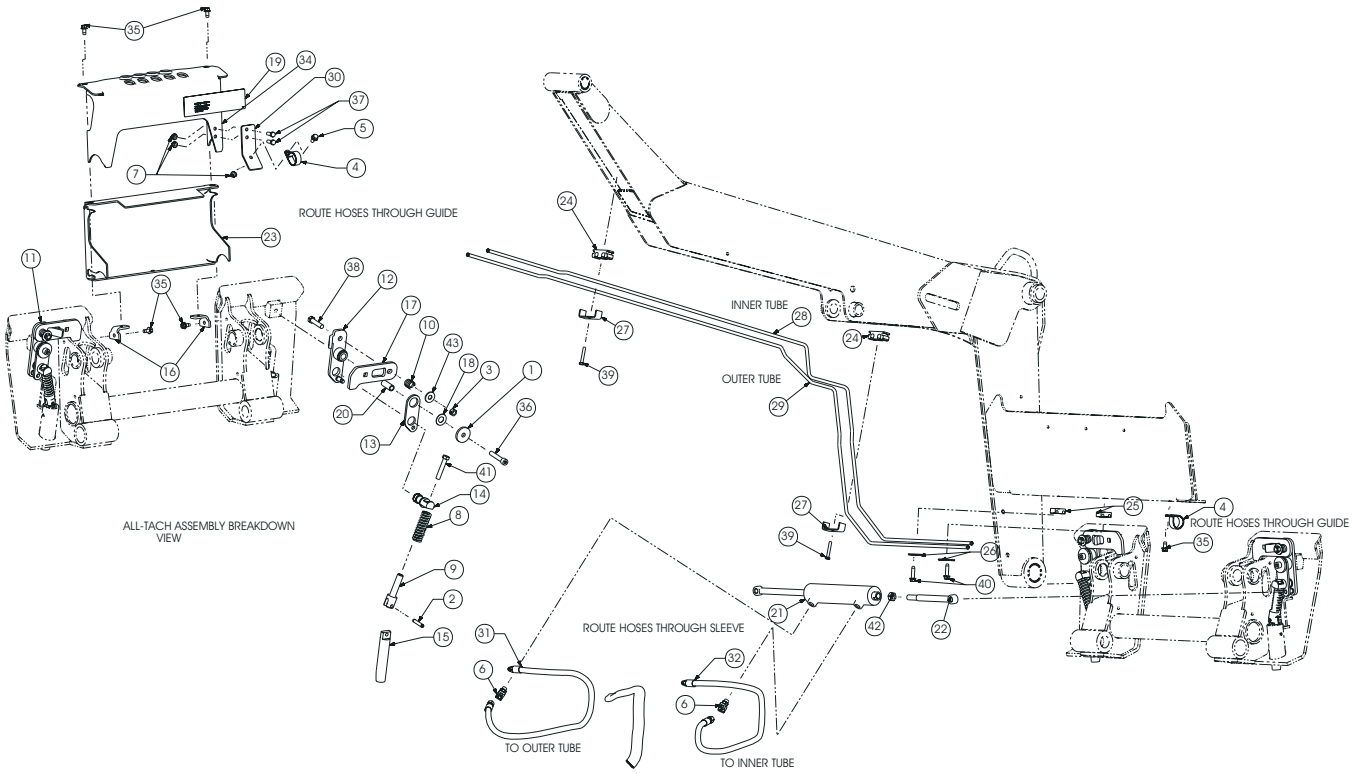


NOTE 1: AT ONE/TWO-SPEED VALVE LOCATION, THE EXISTING 90 DEGREE ELBOWS ARE REPLACED BY THE CROSS AS SHOWN. HOSES FOR THE POWER FAST-A-TACH ARE ROUTED TO THE "RUN" POSITION ON THE CROSS, AS INDICATED. THE EXISTING HOSES TO THE ONE/TWO SPEED VALVE THAT WOULD HAVE BEEN ROUTED TO THE 90 DEGREE ELBOW ARE TO BE INSERTED IN THE "BRANCH" POSITION ON THE CROSS.

2. FOR MACHINES WITH THE DUAL JOYSTICK CONTROL OPTION ROUTE HOSE FROM SOLENOID VALVE TO THE BRANCH POSITION ON THE TEE AS SHOWN BY THE DOTTED LINE.

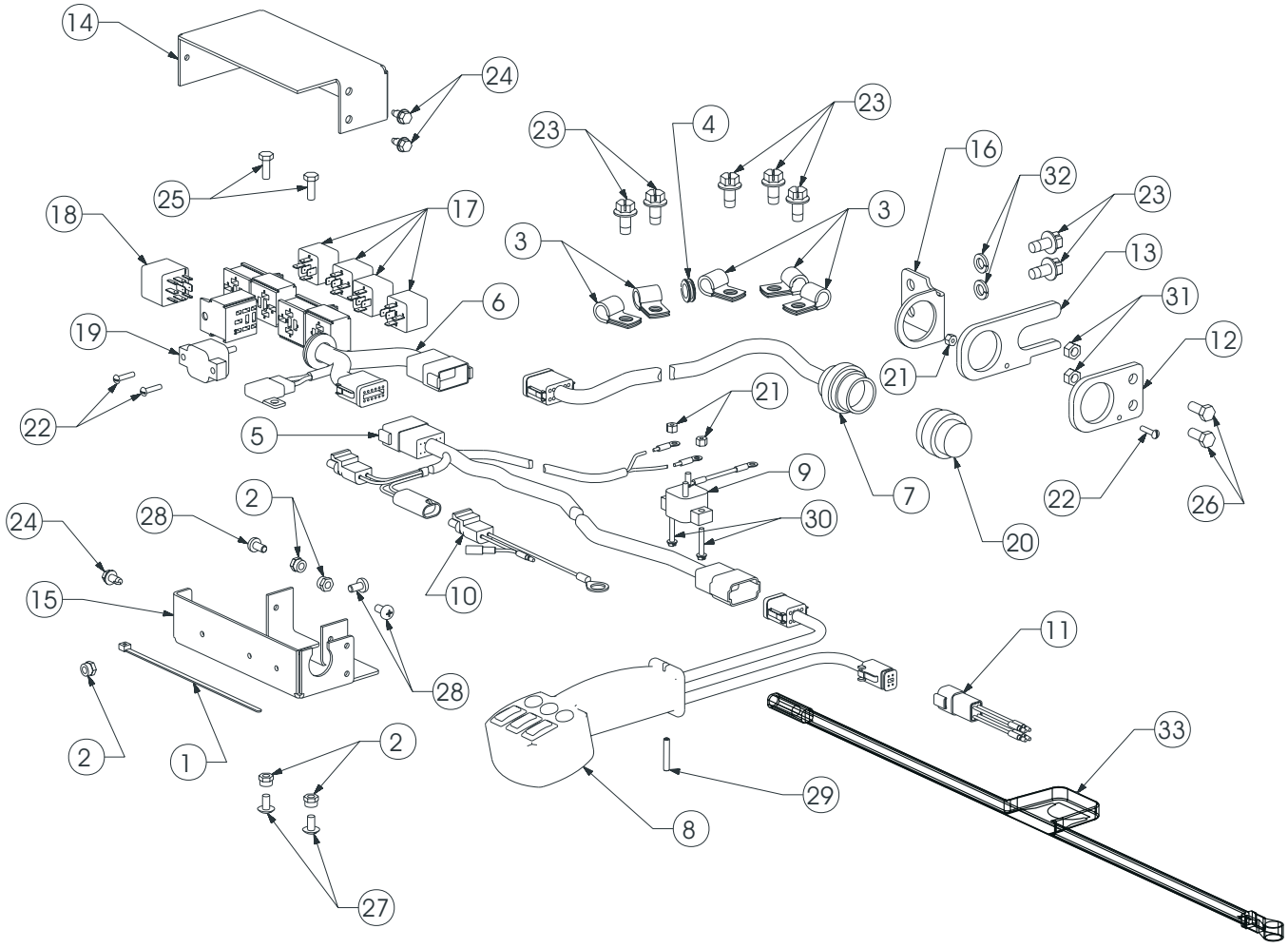
Ref No.	Part Number	Description	Qty Req'd
1	054820	TEE SAE06 X JIC06 X JIC06	1
2	068938	FITTING/90° SAE06XJIC06	2
3	079026	FITTING/45° SAE06 X JIC06	2
4	080556	CAP 9/16 37° FLARE	1
5	131842	NUT/SPIRALOCK™ 5/16	2
6	134588	NUT/SPIRALOCK™ 1/4	2
7	135331	STRAP	2
8	190520	VALVE/SOLENOID	1
9	190670	SWITCH/POWER F-A-T™	1
10	190677	HARNESS/POWER F-A-T™	1
11	190838	PLATE/MATING SOLENOID VALVE	1
12	190872	HARNESS/POWER F-A-T™	1
13	190917	HOSE/HYDRAULIC	2
14	190924	HOSE/HYDRAULIC	1
15	190926	HOSE/HYDRAULIC	1
16	193345	FITTING/CROSS	1
17	650706	SCREW/CAP 1/4 X 2	2
18	650784	SCREW/CAP 5/16 X 2-3/4	2

Hydraulic Power All-Tach™ Kit 810959 (4640/4840) and Hydraulic Power All-Tach™ Kit 810960 (5640) and Hydraulic Power All-Tach™ Kit 810961 (6640)



Ref No.	Part Number	Description	Qty Req'd
	810959	KIT/POWER-TACH 4640/4840	
	810960	KIT/POWER-TACH 5640	
	810961	KIT/POWER-TACH 6640	
1	057557	WASHER/FLAT 17/32	2
2	062756	PIN/SPRING	2
3	071706	NUT/LOCK 1/2	2
4	075196	CLAMP/HOSE	2
5	076588	SCREW/CAP LOCKING 3/8 X 3/4	1
6	079026	FITTING/45°	2
7	090666	NUT/LOCK SERRATED 3/8	3
8	123554	SPRING/COMPRESSION	2
9	134594	ADAPTOR/ROD	2
10	134707	SPRING/COMPRESSION	2
11	183568	LINK/LATCH LEFT	1
12	183569	LINK/LATCH RIGHT	1
13	183570	PLATE/LINK LATCH	2
14	183574	ADAPTOR/PUSH ROD	2
15	183575	PIN/LATCH	2
16	184151	BRACKET/COVER SUPPORT	2
17	184319	FLAG	2
18	184320	WASHER/BEVEL	2
19	184481	DECAL/POWER-A-TACH	1
20	188862	SPACER	2
21	190068	CYLINDER/HYDRAULIC POWER	1
22	190711	ROD/EXT. POWER	1
23	192224	COVER/FRONT	1
24	192493	CLAMP/TUBE	2
25	192500	CLAMP/TUBE	2
26	192508	TUBE CLAMP/PLATE	2
27	192510	TUBE CLAMP/PLATE	2
28	193473	TUBE/HYDRAULIC 56/6640	1
	193474	TUBE/HYDRAULIC 46/4840	1
29	193472	TUBE/HYDRAULIC 56/6640	1
	193475	TUBE/HYDRAULIC 46/4840	1
30	193789	PLATE/HYDRAULIC	1
31	193794	HOSE/PRESSURE 3/8 X 38	1
32	193795	HOSE/PRESSURE 3/8 X 33-1/2	1
33	193808	SLEEVE/PROTECTIVE 31"	1
34	195036	COVER/BACK	1
35	310-32411	SCREW/SELF-TAPPING 3/8 X 3/4	5
36	310-32678	SCREW/CAP SH 1/2 X 2-3/4	2
37	650490	SCREW/CAP 3/8 X 1	2
38	650502	SCREW/CAP 1/2 X 2-1/4	2
39	650568	SCREW/CAP 5/16 X 2	2
40	650987	SCREW/THWH TC 3/8 X 1-1/2	2
41	651542	SCREW/CAP 1/2 X 2-3/4	2
42	653048	NUT/JAM 5/8	1
43	654009	WASHER/FLAT 1/2	2

14-Pin Connector for Auxiliary Attachments Kit 811226



Ref. No.	Part No.	Description	Qty. Req.
1	055648	TIE/WIRE	20
2	071401	NUT/LOCK 1/4	5
3	076147	CLAMP/TUBE	5
4	138274	GROMMET/RUBBER	1
5	193828	HARNESS/14-PIN AUX	1
6	193831	HARNESS/RELAY BOX	1
7	193832	HARNESS/14-PIN CONNECTOR	1
8	193833	HANDLE/14-PIN AUX	1
9	193834	BREAKER W/ WIRE ASSY	1
10	193839	ADAPTER HARNESS/POWER	1
11	193844	ADAPTER HARNESS/HANDLE	1
12	193850	MOUNT/14-PIN CONNECTOR	1
13	193852	MOUNT/14-PIN CONNECTOR	1
14	193855	COVER/RELAY BOX	1
15	193857	CHASSIS/RELAY BOX	1
16	194136	MOUNT/14-PIN CONNECTOR	1
17	194144	RELAY	4
18	194146	DIODE BLOCK/8	1
19	194147	BREAKER 15 A	1
20	194507	DUST CAP W/ CHAIN	1
21	210-32183	NUT/HEX NYLON INSERT #8	3
22	310-32288	SCREW/ROUND #8 X 3/4	3
23	310-32411	SCREW/SELF-TAPPING 3/8 X 3/4	7
24	650315	SCREW/MACHINE 1/4 X 1	3
25	650448	SCREW/CAP 1/4 X 3/4	2
26	650486	SCREW/CAP 5/16 X 3/4	2
27	650943	SCREW/MACHINE 1/4 X 1/2	2
28	651307	SCREW/MACHINE 1/4 X 1/2	3
29	651467	PIN/ROLL M5 X 30MM	1
30	651548	SCREW/MACHINE HWH SLT #8 X 1	2
31	653007	NUT/HEX 5/16	2
32	654026	WASHER/LOCK 3/8	2

OTHER AVAILABLE ACCESSORIES

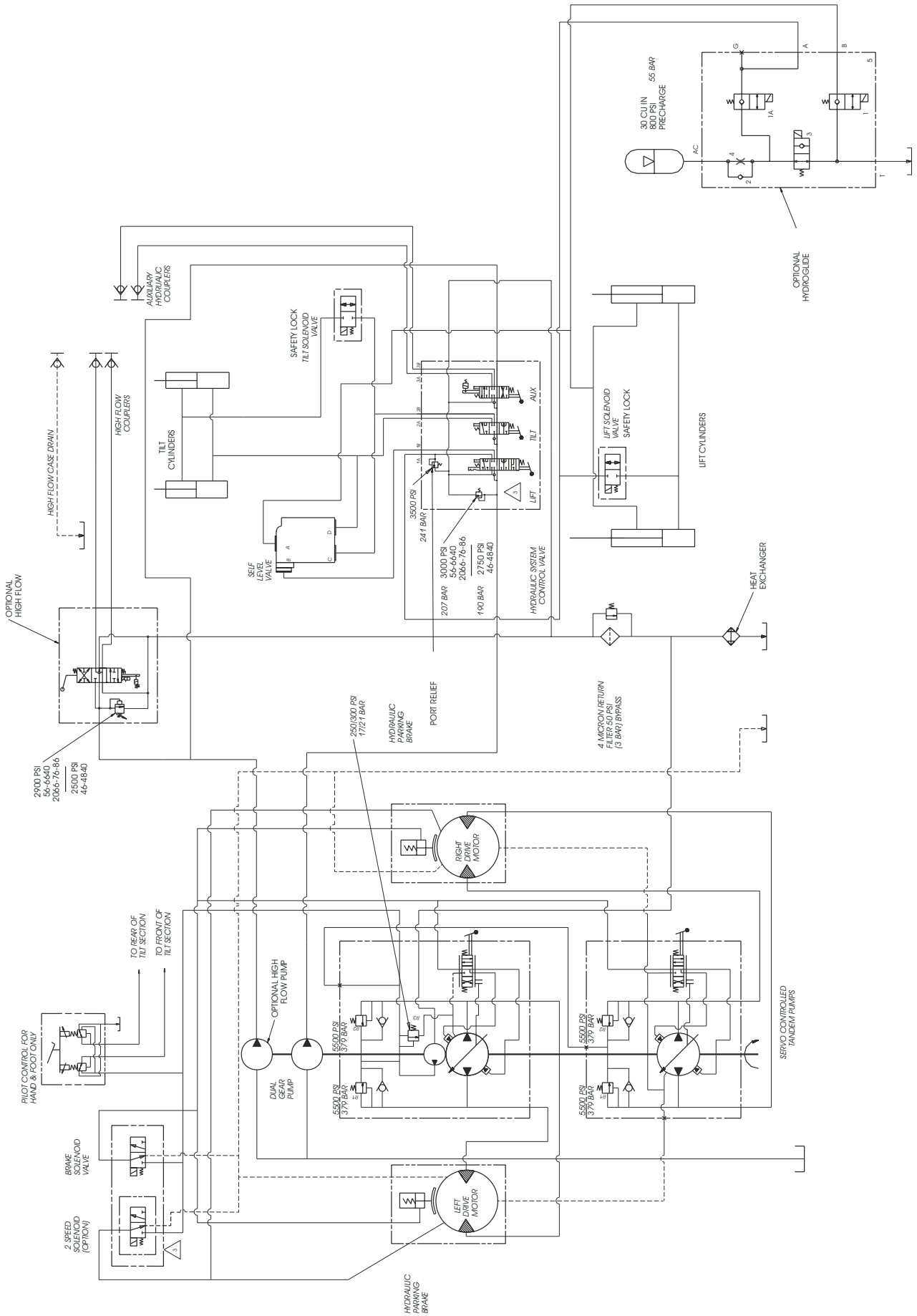
Description	Stock #
• HVAC Kit - 4840 (EU Only)	810790
• HVAC Kit - 5640 (EU Only)	810791
• HVAC Kit - 6640 (EU Only)	810792
• 186298 ROPS Harness Rework Kit	191050
• Vinyl Cab Enclosure Kit	810559
• Vinyl Cab Door Kit	810563
• Dirt and Rock Teeth	807378
• Power Cable with Switch Handle for Units Utilizing Palm HD Grader	806561
• Gehl Quick-Tach™ Conversion Kit, SL46/4840	807230
• Gehl Quick-Tach™ Conversion Kit, SL56/6640	806869
• Bolt-On Cutting Edge 63" for RG63 Recycling/Industrial Bucket, **Order through Gehl Parts: Part #131901**	
• Bolt-On Cutting Edge 72" for RG72 Recycling/Industrial Bucket, **Order through Gehl Parts: Part #131902**	
• Bolt-On Cutting Edge Kit for 54" Bucket (Kit for 2008 Bucket Consolidation Project)	192917
• Bolt-On Cutting Edge Kit for 60" Bucket (Kit for 2008 Bucket Consolidation Project)	192918
• Bolt-On Cutting Edge Kit for 61.5" Bucket (Kit for 2008 Bucket Consolidation Project)	192919
• Bolt-On Cutting Edge Kit for 62" Bucket	133904
• Bolt-On Cutting Edge Kit for 66" Bucket (Kit for 2008 Bucket Consolidation Project)	192920
• Bolt-On Cutting Edge Kit for 67" Bucket	133903
• Bolt-On Cutting Edge Kit for 70" Bucket	132399
• Bolt-On Cutting Edge Kit for 74" Bucket	132400
• Bolt-On Cutting Edge Kit for 84" Bucket	137313
• Bolt-On Cutting Edge Kit for 90" Bucket	138865
• Bolt-On Cutting Edge Kit for 92" Bucket	134430

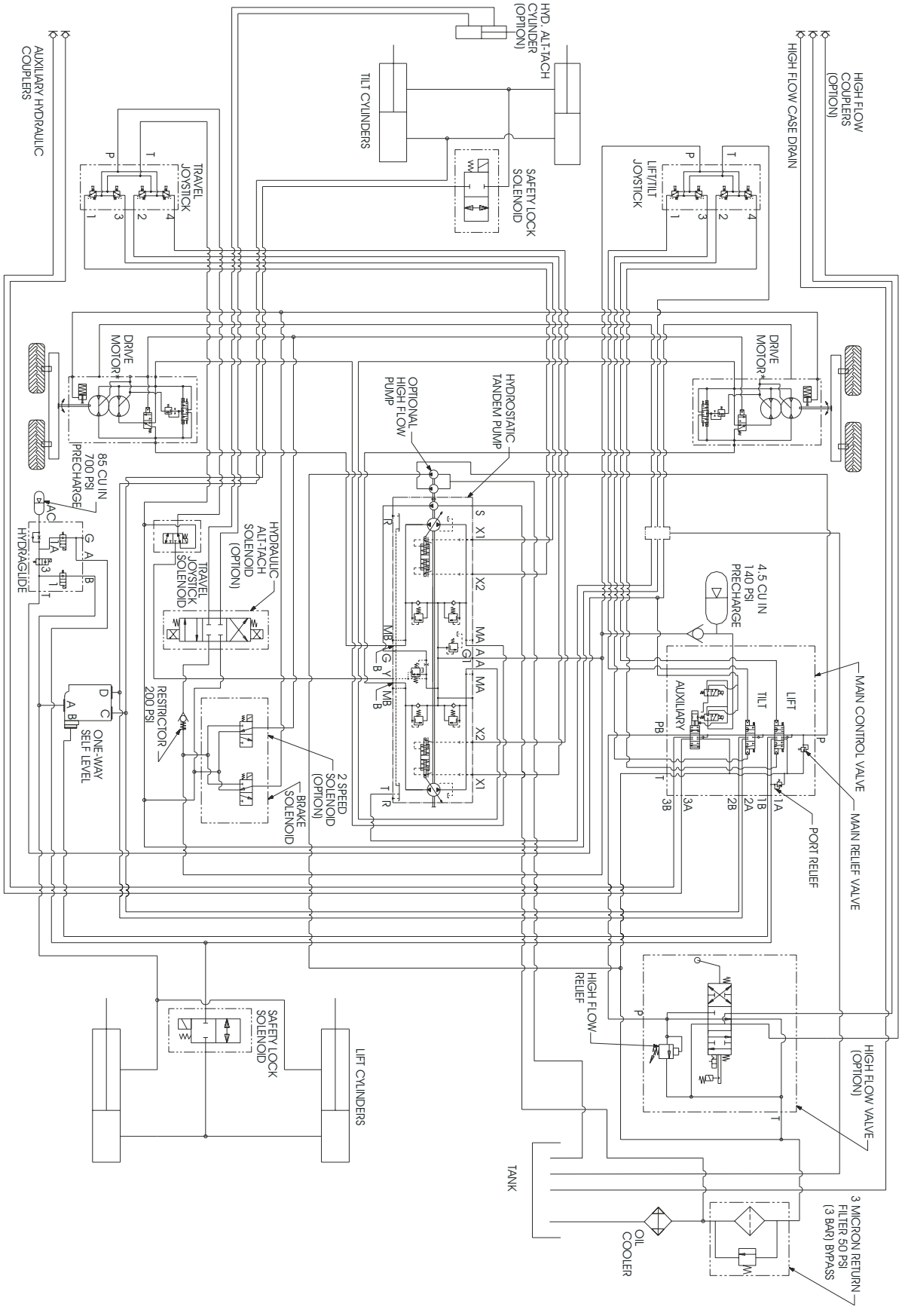
Quick-Tach is a trademark of the Gehl Company.

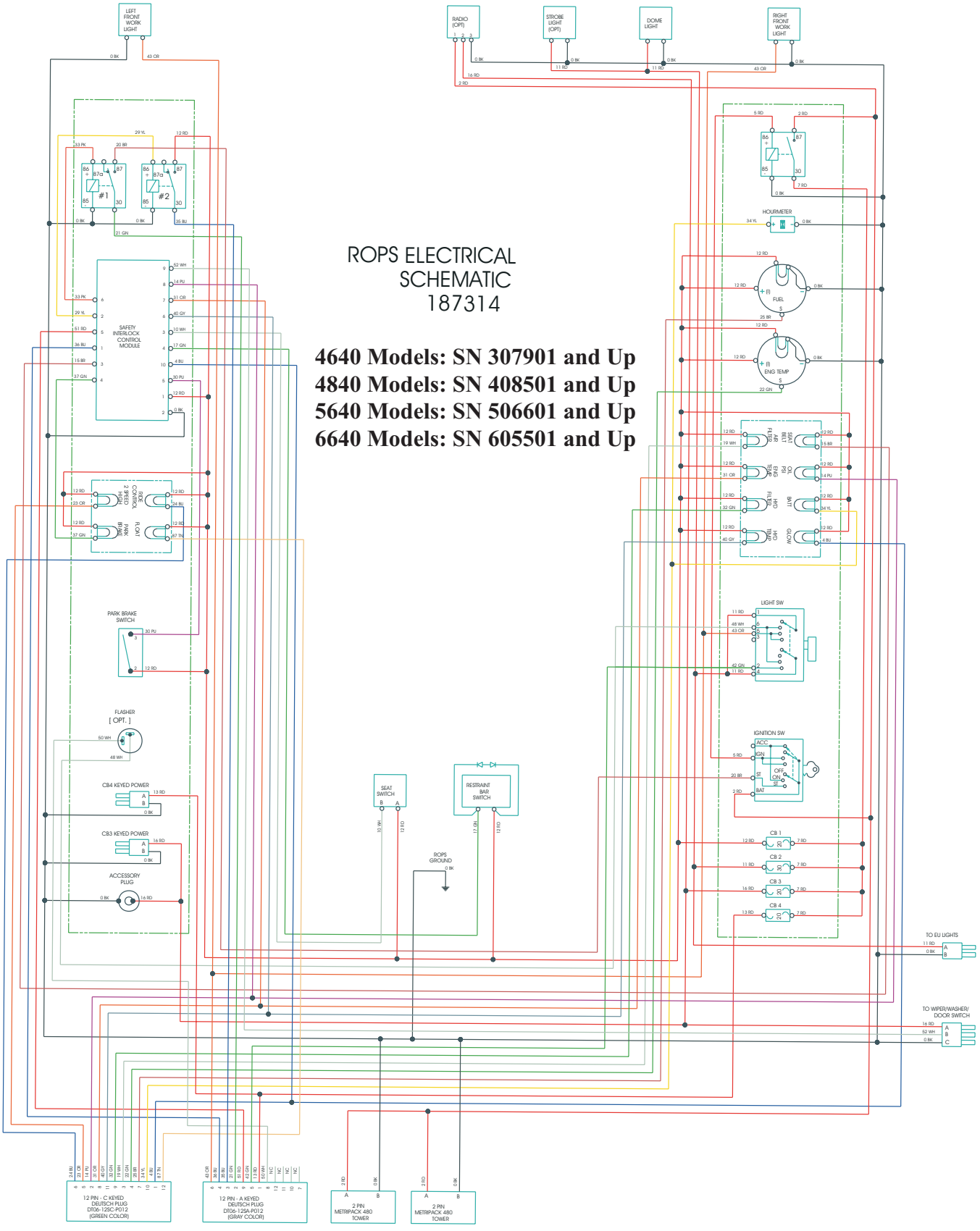
SECTION D: SCHEMATICS

Hydrostatic/Hydraulic Schematic - Non-Dual Joystick Controls 315
Hydrostatic/Hydraulic Schematic - Joystick Controls 316
ROPS Electrical Schematic 317
Chassis Electrical Schematic 317
Heater Schematic 321
HVAC Schematic 322
Electrical Auxiliary Hydraulics Schematic - Dual Joystick 323
Electrical Auxiliary Schematic - 14-Pin Connector 324
Electrical Schematic - 810412 Door Kit 325

HYDROSTATIC/HYDRAULIC SCHEMATIC - NON-DUAL JOYSTICK

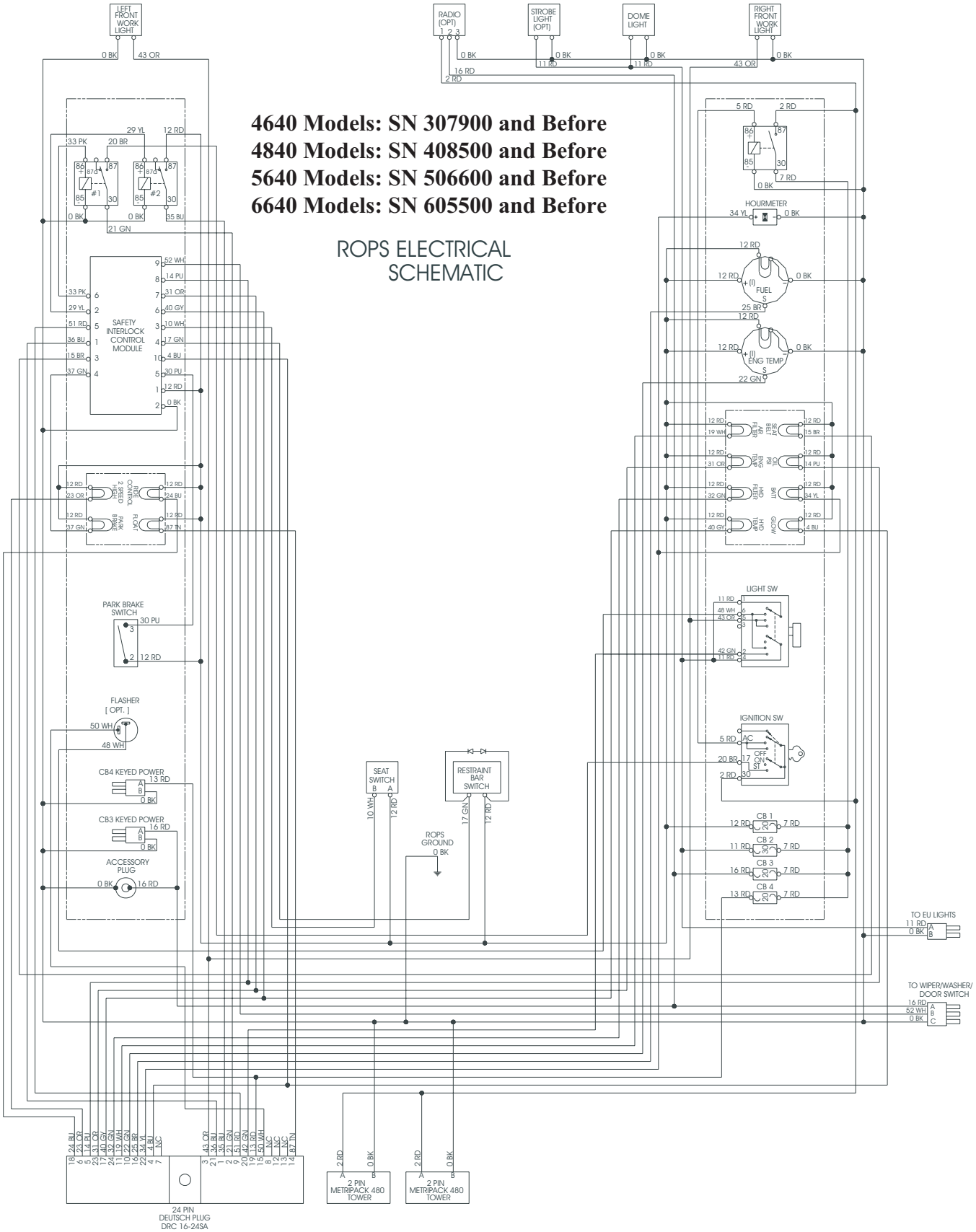



AUXILIARY HYDRAULIC COUPLERS
HYD. ALI-TACH CYLINDER (OPTION)
TILT CYLINDERS
SAFETY LOCK SOLENOID
HIGH FLOW COUPLERS (OPTION)
HIGH FLOW CASE DRAIN
TRAVEL JOYSTICK
LIFT/TILT JOYSTICK
DRIVE MOTOR
DRIVE MOTOR
OPTIONAL HIGH FLOW PUMP
HYDROSTATIC TANDEM PUMP
85 CU IN 700 PSI PRECHARGE
HYDRAULIC ALI-TACH SOLENOID (OPTION)
TRAVEL JOYSTICK SOLENOID
4.5 CU IN 140 PSI PRECHARGE
MAIN CONTROL VALVE
MAIN RELIEF VALVE
PORT RELIEF
HYDRAGLIDE
ONE-WAY SELF LEVEL
RESTRICTOR 200 PSI
2 SPEED SOLENOID (OPTION)
BRAKE SOLENOID
HIGH FLOW RELIEF
HIGH FLOW VALVE (OPTION)
SAFETY LOCK SOLENOID
LIFT CYLINDERS
TANK
OIL COOLER
3 MICRON RETURN FILTER 50 PSI (3 BAR) BYPASS

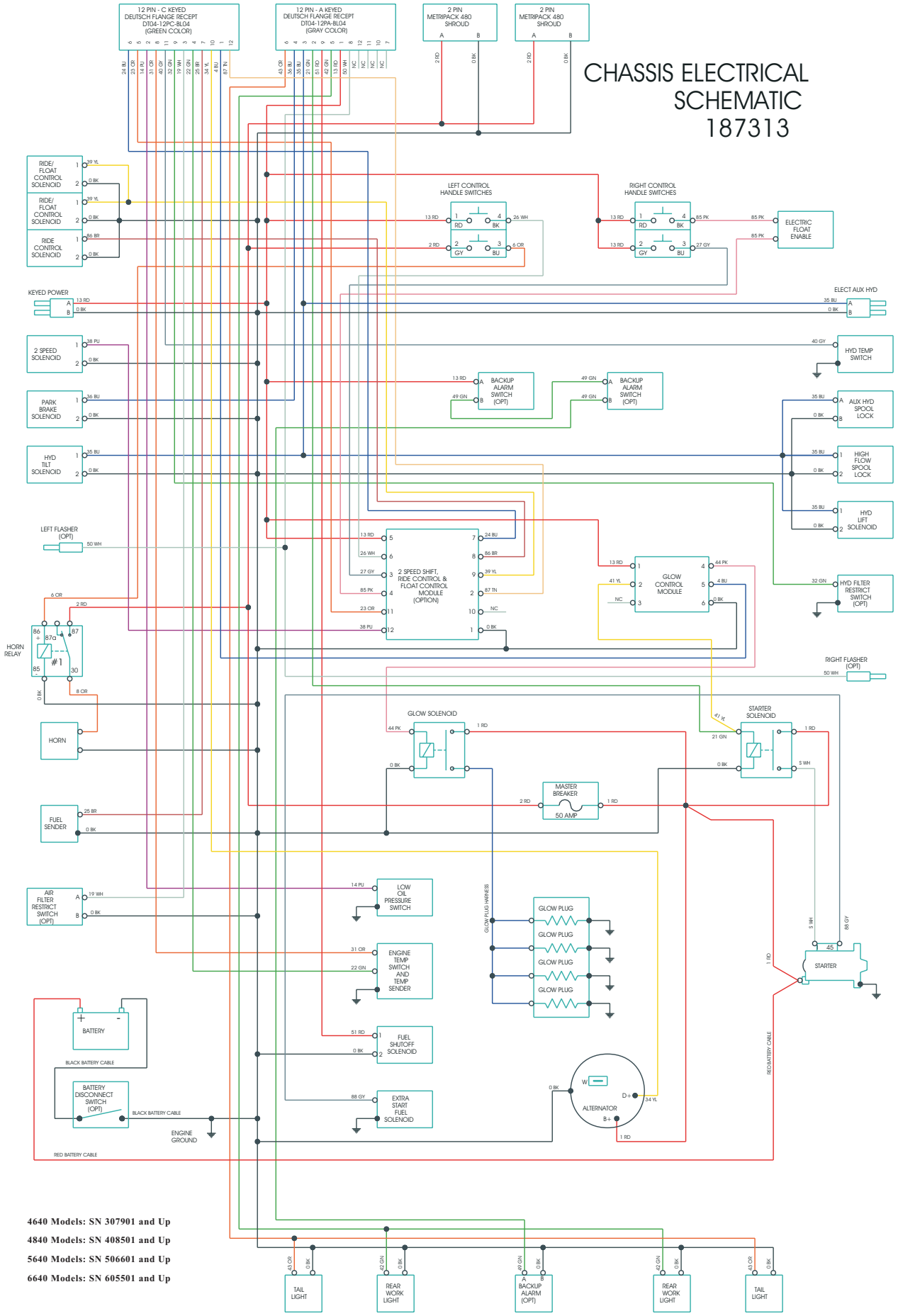

ROPS ELECTRICAL
SCHEMATIC
187314
4640 Models: SN 307901 and Up
4840 Models: SN 408501 and Up
5640 Models: SN 506601 and Up
6640 Models: SN 605501 and Up
LEFT FRONT WORK LIGHT
RADIO (OPT)
STROBE LIGHT (OPT)
DOME LIGHT
RIGHT FRONT WORK LIGHT
HOURMETER
FUEL
ENG TEMP
SAFETY INTERLOCK CONTROL MODULE
PARK BRAKE SWITCH
FLASHER [OPT.]
CB4 KEYED POWER
CB3 KEYED POWER
ACCESSORY PLUG
SEAT SWITCH
RESTRAINT BAR SWITCH
ROPS GROUND
LIGHT SW
IGNITION SW
CB 1
CB 2
CB 3
CB 4
TO EU LIGHTS
TO WIPER/WASHER/ DOOR SWITCH
12 PIN - C KEYED DEUTSCH PLUG DT06-12SC-P012 (GREEN COLOR)
12 PIN - A KEYED DEUTSCH PLUG DT06-12SA-P012 (GRAY COLOR)
2 PIN METRIPACK 480 TOWER
2 PIN METRIPACK 480 TOWER

4640 Models: SN 307900 and Before
4840 Models: SN 408500 and Before
5640 Models: SN 506600 and Before
6640 Models: SN 605500 and Before

ROPS ELECTRICAL SCHEMATIC



CHASSIS ELECTRICAL SCHEMATIC - NEWER MODELS

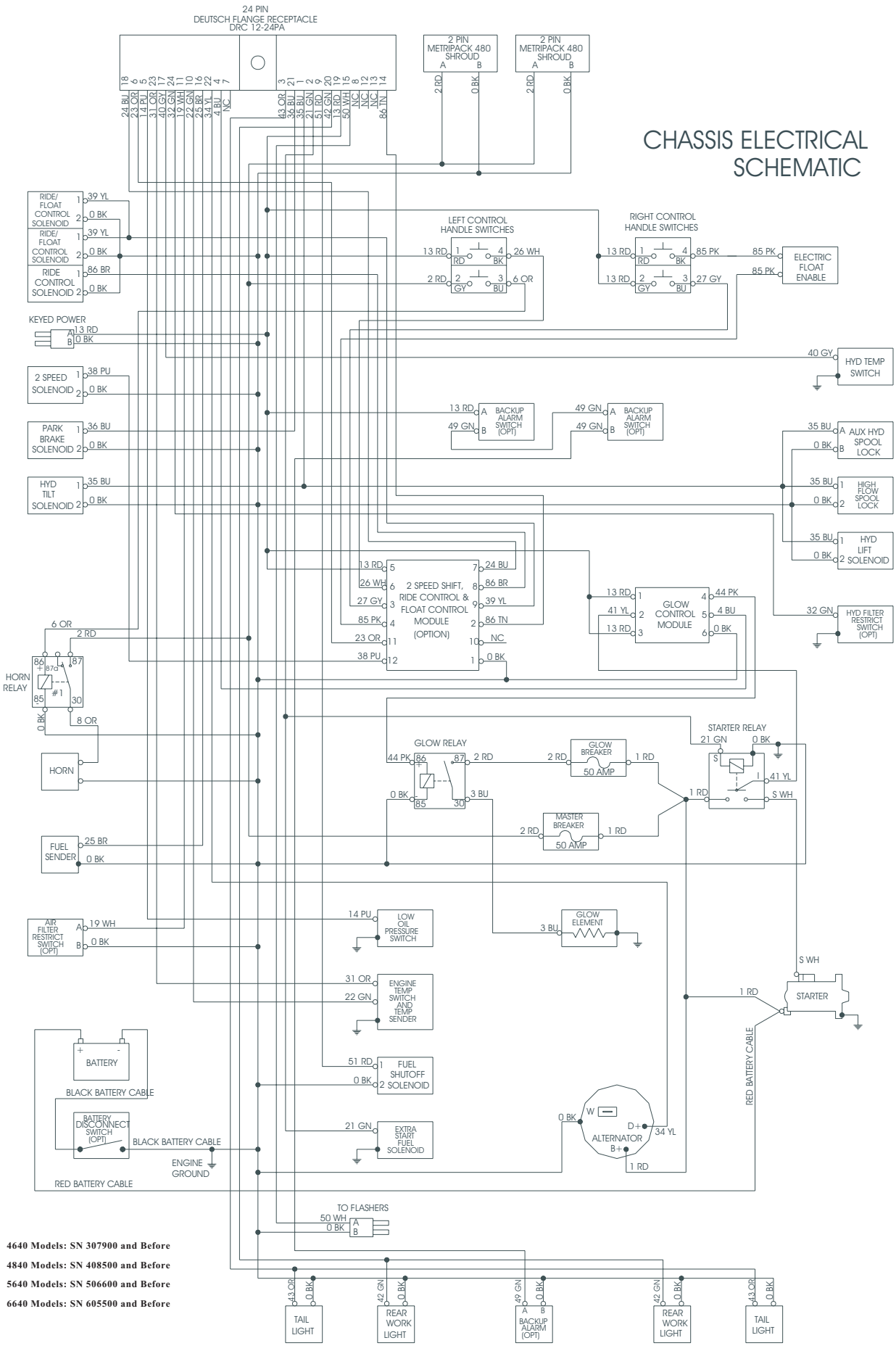


4640 Models: SN 307901 and Up

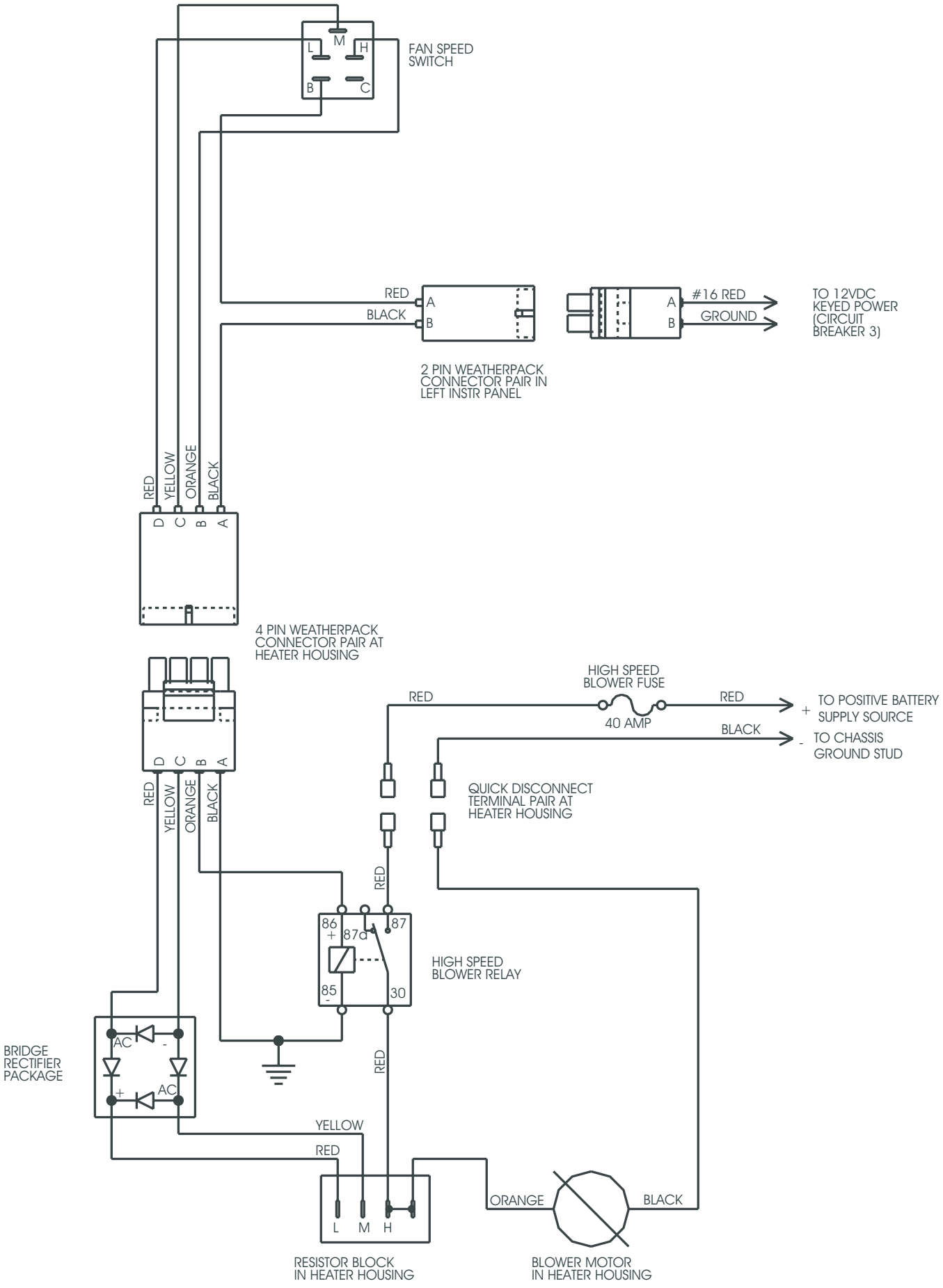
4840 Models: SN 408501 and Up

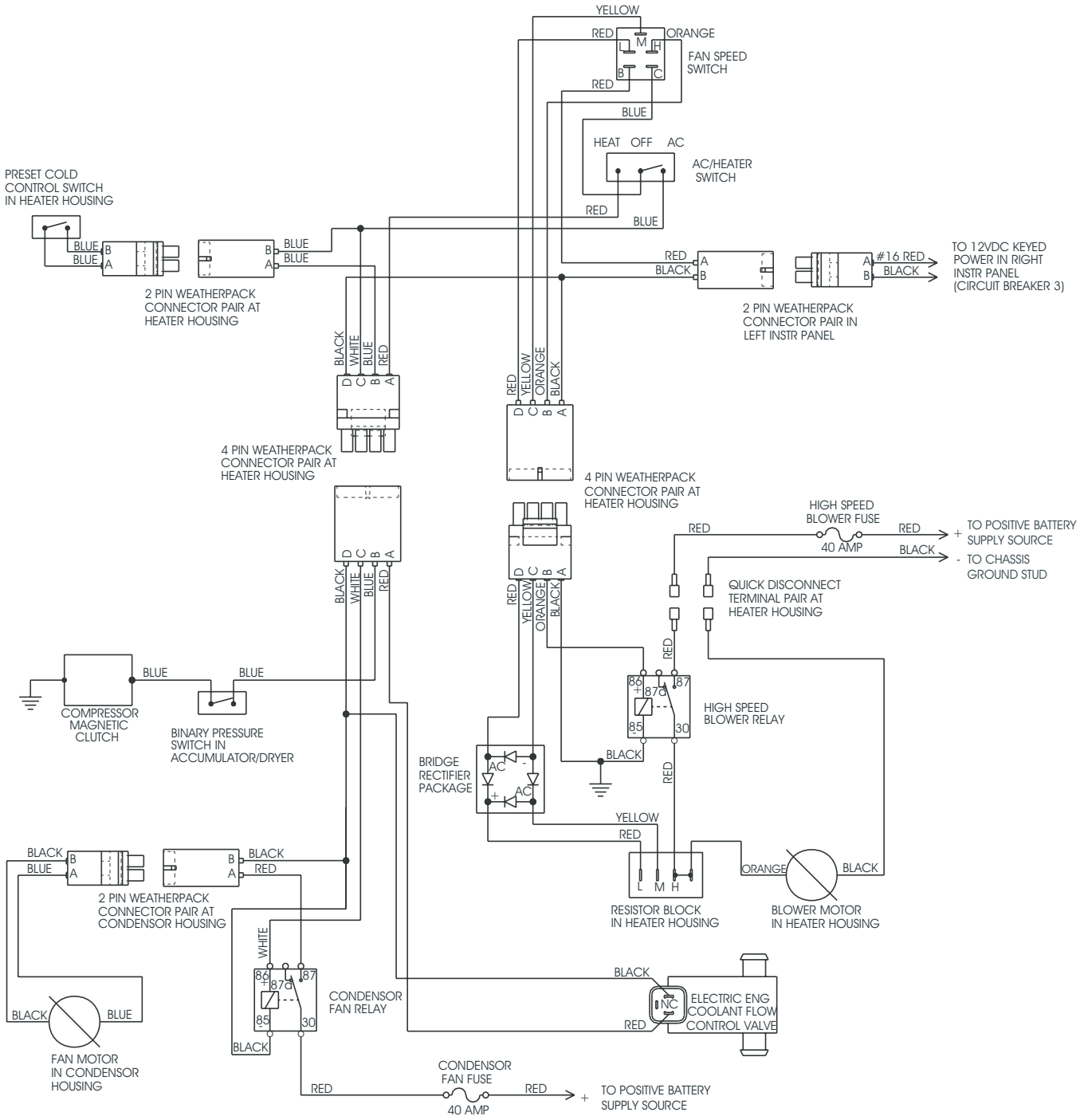
5640 Models: SN 506601 and Up

6640 Models: SN 605501 and Up

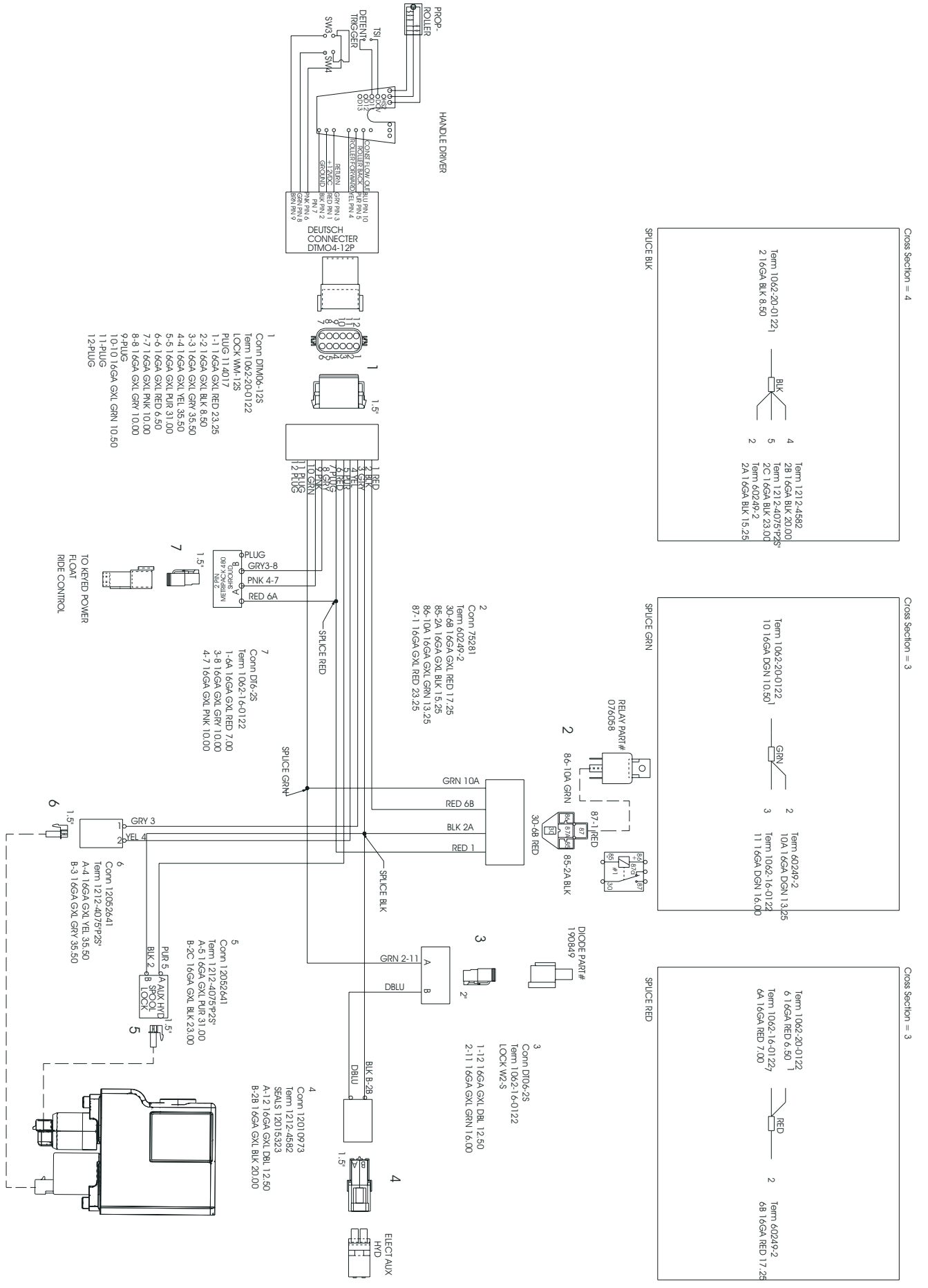

CHASSIS ELECTRICAL SCHEMATIC
24 PIN DEUTSCH FLANGE RECEPTACLE DRC 12-24PA
2 PIN METRIPACK 480 SHROUD
LEFT CONTROL HANDLE SWITCHES
RIGHT CONTROL HANDLE SWITCHES
ELECTRIC FLOAT ENABLE
RIDE/ FLOAT CONTROL SOLENOID
RIDE CONTROL SOLENOID
KEYED POWER
2 SPEED SOLENOID
PARK BRAKE SOLENOID
HYD TILT SOLENOID
HYD TEMP SWITCH
BACKUP ALARM SWITCH (OPT)
AUX HYD SPOOL LOCK
HIGH FLOW SPOOL LOCK
HYD LIFT SOLENOID
HYD FILTER RESTRICT SWITCH (OPT)
2 SPEED SHIFT, RIDE CONTROL & FLOAT CONTROL MODULE (OPTION)
GLOW CONTROL MODULE
HORN RELAY
HORN
GLOW RELAY
GLOW BREAKER 50 AMP
MASTER BREAKER 50 AMP
STARTER RELAY
FUEL SENDER
AIR FILTER RESTRICT SWITCH (OPT)
LOW OIL PRESSURE SWITCH
GLOW ELEMENT
ENGINE TEMP SWITCH AND TEMP SENDER
FUEL SHUTOFF SOLENOID
EXTRA START FUEL SOLENOID
STARTER
BATTERY
BLACK BATTERY CABLE
BATTERY DISCONNECT SWITCH (OPT)
ENGINE GROUND
RED BATTERY CABLE
ALTERNATOR
TO FLASHERS
TAIL LIGHT
REAR WORK LIGHT
BACKUP ALARM (OPT)
4640 Models: SN 307900 and Before
4840 Models: SN 408500 and Before
5640 Models: SN 506600 and Before
6640 Models: SN 605500 and Before

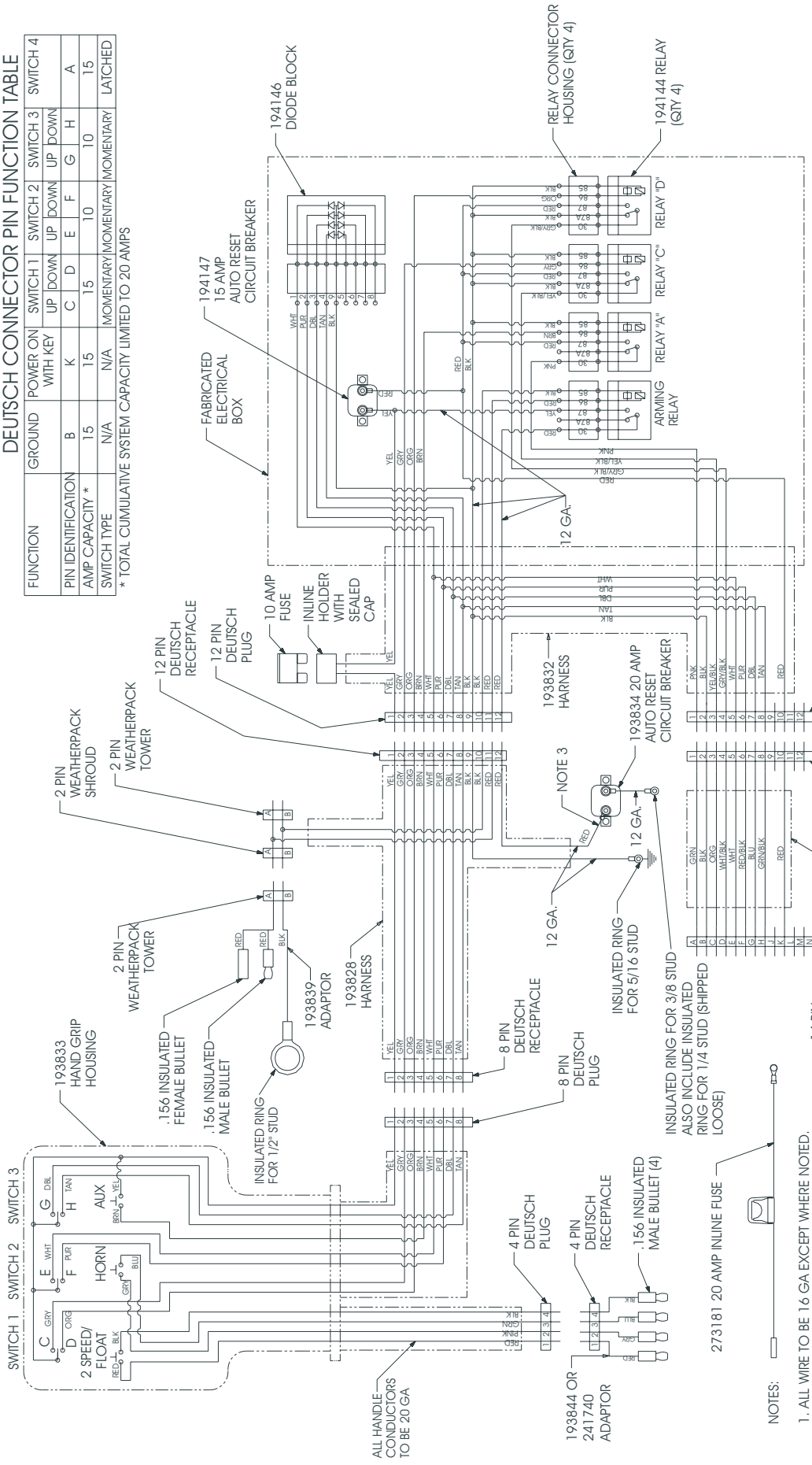
HEATER SCHEMATIC



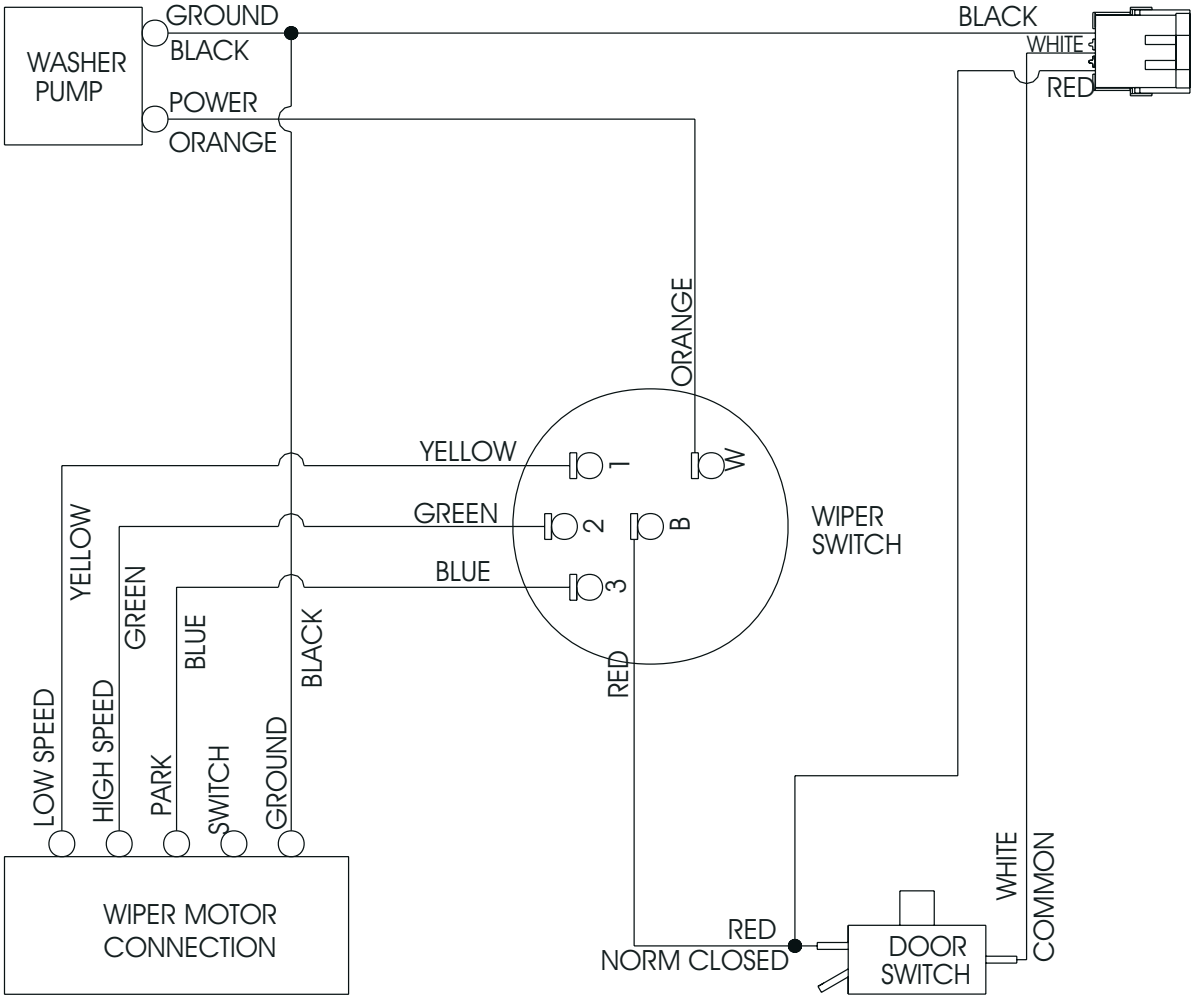

YELLOW
RED
ORANGE
L M H
FAN SPEED SWITCH
B C
RED
BLUE
HEAT OFF AC
AC/HEATER SWITCH
RED
BLUE
PRESET COLD CONTROL SWITCH IN HEATER HOUSING
BLUE
BLUE
B A
BLUE
BLUE
2 PIN WEATHERPACK CONNECTOR PAIR AT HEATER HOUSING
RED
BLACK
A B
#16 RED
BLACK
TO 12VDC KEYED POWER IN RIGHT INSTR PANEL (CIRCUIT BREAKER 3)
2 PIN WEATHERPACK CONNECTOR PAIR IN LEFT INSTR PANEL
BLACK
WHITE
BLUE
RED
D C B A
4 PIN WEATHERPACK CONNECTOR PAIR AT HEATER HOUSING
RED
YELLOW
ORANGE
BLACK
4 PIN WEATHERPACK CONNECTOR PAIR AT HEATER HOUSING
HIGH SPEED BLOWER FUSE
RED
40 AMP
RED
BLACK
+ TO POSITIVE BATTERY SUPPLY SOURCE
- TO CHASSIS GROUND STUD
QUICK DISCONNECT TERMINAL PAIR AT HEATER HOUSING
BLUE
BLUE
COMPRESSOR MAGNETIC CLUTCH
BINARY PRESSURE SWITCH IN ACCUMULATOR/DRYER
86 87a 87
85 30
HIGH SPEED BLOWER RELAY
BRIDGE RECTIFIER PACKAGE
AC
AC
BLACK
RED
YELLOW
RED
L M H
RESISTOR BLOCK IN HEATER HOUSING
ORANGE
BLACK
BLOWER MOTOR IN HEATER HOUSING
BLACK
BLUE
B A
BLACK
RED
2 PIN WEATHERPACK CONNECTOR PAIR AT CONDENSOR HOUSING
WHITE
86 87a 87
85 30
CONDENSOR FAN RELAY
BLACK
BLACK
BLUE
FAN MOTOR IN CONDENSOR HOUSING
BLACK
NC
RED
ELECTRIC ENG COOLANT FLOW CONTROL VALVE
RED
CONDENSOR FAN FUSE
40 AMP
RED
+ TO POSITIVE BATTERY SUPPLY SOURCE

ELECTRICAL AUXILIARY HYDRAULICS SCHEMATIC - DUAL JOYSTICK




DEUTSCH CONNECTOR PIN FUNCTION TABLE
FUNCTION | GROUND | POWER ON WITH KEY | SWITCH 1 UP | SWITCH 1 DOWN | SWITCH 2 UP | SWITCH 2 DOWN | SWITCH 3 UP | SWITCH 3 DOWN | SWITCH 4
PIN IDENTIFICATION | B | K | C | D | E | F | G | H | A
AMP CAPACITY * | 15 | 15 | 15 | | 10 | | 10 | | 15
SWITCH TYPE | N/A | N/A | MOMENTARY | MOMENTARY | MOMENTARY | | MOMENTARY | | LATCHED
* TOTAL CUMULATIVE SYSTEM CAPACITY LIMITED TO 20 AMPS
194146 DIODE BLOCK
RELAY CONNECTOR HOUSING (QTY 4)
194144 RELAY (QTY 4)
194147 15 AMP AUTO RESET CIRCUIT BREAKER
FABRICATED ELECTRICAL BOX
ARMING RELAY
RELAY "A"
RELAY "C"
RELAY "D"
12 GA.
10 AMP FUSE
INLINE HOLDER WITH SEALED CAP
12 PIN DEUTSCH RECEPTACLE
12 PIN DEUTSCH PLUG
193832 HARNESS
193834 20 AMP AUTO RESET CIRCUIT BREAKER
NOTE 3
2 PIN WEATHERPACK SHROUD
2 PIN WEATHERPACK TOWER
193833 HAND GRIP HOUSING
.156 INSULATED FEMALE BULLET
.156 INSULATED MALE BULLET
INSULATED RING FOR 1/2" STUD
193839 ADAPTOR
193828 HARNESS
8 PIN DEUTSCH RECEPTACLE
8 PIN DEUTSCH PLUG
INSULATED RING FOR 3/8 STUD
ALSO INCLUDE INSULATED RING FOR 1/4 STUD (SHIPPED LOOSE)
INSULATED RING FOR 5/16 STUD
14 PIN DEUTSCH CIRCULAR CONNECTOR WITH DUST CAP, NUT, WASHER, AND STRAIN RELIEF
SEE PIN FUNCTION TABLE ABOVE
SWITCH 1 SWITCH 2 SWITCH 3
2 SPEED/ FLOAT
HORN
AUX
4 PIN DEUTSCH PLUG
4 PIN DEUTSCH RECEPTACLE
.156 INSULATED MALE BULLET (4)
193844 OR 241740 ADAPTOR
ALL HANDLE CONDUCTORS TO BE 20 GA
273181 20 AMP INLINE FUSE
NOTES:
1. ALL WIRE TO BE 16 GA EXCEPT WHERE NOTED.
2. BRAIDED LOOM TO WITHIN 2.0" OF CONNECTORS WHERE SHOWN.
3. 4640 (SN 3106001 AND UP)/5240/2056/V270/2700V: ATTACH 273181 BY CUTTING INSULATED RING TERMINAL AND CRIMPING BUTT CONNECTOR. 20A CIRCUIT BREAKER IS NOT USED IN THESE MODELS.
4. 273181 MAY REPLACE 193834 IN OTHER MODELS.

ELECTRICAL SCHEMATIC - 810412 DOOR KIT



NUMERICAL INDEX

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
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048953	64	17	055064	56	4	056937	152	1	064354	292	4
048953	66	18	055064	58	3	056937	154	1	064543	178	3
048953	68	18	055064	60	4	056937	156	1	065163	158	2
048953	70	18	055064	62	4	057557	100	2	065163	160	2
048953	72	17	055064	64	3	057557	102	2	065163	162	2
048953	74	18	055064	66	4	057557	108	1	065163	164	2
048953	76	18	055064	68	4	057557	110	1	065163	166	2
048953	78	18	055064	70	4	057557	112	1	065164	122	2
048953	252	13	055064	72	3	057557	170	1	065164	158	3
048953	254	13	055064	74	4	057557	174	2	065164	160	3
048953	256	13	055064	76	4	057557	178	1	065164	162	3
048953	258	13	055064	78	4	057557	284	2	065164	164	3
054202	126	1	055306	252	19	057557	311	1	065164	166	3
054626	56	1	055306	254	18	058615	18	1	065756	26	4
054626	58	1	055306	256	19	058615	22	1	065756	30	4
054626	60	1	055306	258	18	058615	24	1	067750	178	4
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186254	102	14	187002	140	23	187673	22	22	188126	30	20
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186254	110	30	187002	148	23	187673	26	20	188420	18	28
186254	112	29	187002	152	21	187673	28	20	188420	28	22
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186270	300	24	187002	156	21	187674	18	27	188422	132	7
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186703	300	25	187031	292	7	187674	26	20	188422	142	15
186716	300	26	187041	299	34	187674	28	21	188422	146	12
186743	221	34	187042	299	35	187674	30	19	188422	150	11
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186747	299	25	187044	292	4	187678	178	29	188425	112	31
186762	299	26	187045	305	5	187724	285	33	188429	110	33
186766	50	19	187054	292	3	187724	293	26	188429	112	32
186766	52	18	187054	292	5	187725	32	21	188429	118	27
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186777	162	14	187076	293	24	187725	40	21	188430	132	8
186777	164	12	187110	18	30	187725	44	22	188430	134	11
186821	293	22	187304	56	34	187726	32	22	188430	136	9
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186854	299	30	187305	128	20	187820	212	13	188800	166	21
186856	38	32	187306	128	21	187826	212	12	188862	170	16
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186916	254		187348	292	6	187869	212	7	188985	134	15
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186927	66	32	187380	252	18	187888	136	7	189108	140	24
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189153	72	35	189559	134	21	190058	58	28	190339	10	4
189153	76	39	189559	136	18	190068	311	21	190340	274	9
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189154	72	36	189601	292	6	190094	32	26	190400	10	6
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189168	300	35	189629	214	5	190143	301	14	190449	136	23
189279	256	17	189630	214	6	190145	210	8	190457	6	7
189279	258	16	189630	214	6	190145	301	15	190457	8	7
189286	54	23	189632	214	2	190147	210	9	190457	10	7
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189497	50	21	189970	221	35	190326	214	10	190677	309	12
189508	138	25	189971	200	27	190327	214	10	190677	310	10
189508	140	25	189971	221	36	190328	214	9	190680	196	3
189508	144	25	189985	18	30	190329	214	10	190684	132	19
189508	148	25	189986	24	25	190329	214	10	190684	134	28
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190872	310	12	191363	136	29	192493	311	24	194233	244	1
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190882	12	5	191365	146	25	192510	311	27	194234	244	2
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191020	218	1	191718	250	38	193475	311	29	194249	244	15
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191031	222	39	191722	248	51	193673	62	22	194252	242	70
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191056	78	36	191735	24	26	193674	244		194826	102	10
191072	296	8	191735	28	26	193675	68	25	194826	108	28
191101	291	42	191746	296	9	193675	70	23	194826	110	26
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650225	124	14	650487	295	10	650533	148	30	650585	190	27
650225	130	5	650488	2	30	650533	152	28	650585	284	37
650315	285	39	650488	4	32	650533	154	28	650630	182	4
650315	293	30	650490	80	36	650533	156	28	650630	184	4
650315	312	24	650490	82	44	650535	90	39	650630	186	5
650387	158	22	650490	84	17	650535	254	14	650630	286	4
650387	160	21	650490	158	23	650535	258	14	650630	286	4
650387	162	15	650490	162	16	650542	124	16	650630	287	5
650387	164	13	650490	166	23	650542	132	24	650634	126	21
650387	166	22	650490	194	35	650542	134	35	650634	138	31
650426	300	36	650490	198	11	650542	136	34	650634	140	31
650433	254	38	650490	304	8	650542	142	30	650634	144	31
650433	258	38	650490	311	37	650542	146	28	650634	148	31
650448	176	29	650491	100	16	650542	150	25	650634	152	30
650448	178	30	650491	108	34	650545	90	40	650634	154	30
650448	300	37	650491	110	35	650545	92	38	650634	156	30
650448	312	25	650491	126	18	650545	94	37	650647	176	33
650449	60	41	650491	128	22	650545	192	30	650647	178	35
650449	80	35	650491	138	28	650545	194	36	650648	122	18
650449	82	43	650491	140	28	650547	90	41	650648	158	28
650453	18	14	650491	144	28	650547	92	39	650648	160	26
650453	20	4	650491	148	28	650547	94	38	650648	162	20
650453	22	15	650491	152	26	650547	96	14	650648	164	17

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650648	194	38	650839	76	45	651406	112	37	653034	190	31
650658	192	31	650839	80	40	651406	120	30	653036	138	34
650658	194	39	650839	124	19	651464	285	43	653036	140	34
650687	138	32	650839	146	30	651464	293	35	653036	144	34
650687	140	32	650843	24	29	651467	124	20	653036	148	34
650687	144	32	650848	281	7	651467	126	22	653036	152	32
650687	148	32	650850	178	35	651467	130	1	653036	154	32
650687	152	31	650851	285	42	651467	138	33	653036	156	32
650687	154	31	650851	293	34	651467	140	33	653039	126	23
650687	156	31	650854	252	37	651467	144	33	653039	128	27
650687	194	40	650854	254	35	651467	148	33	653045	174	39
650692	80	37	650854	256	37	651467	312	29	653045	284	39
650692	82	45	650854	258	35	651523	128	26	653045	298	22
650692	122	19	650943	312	27	651529	188	23	653048	311	42
650702	2	7	650959	295	11	651542	170	21	654002	84	19
650702	4	7	650979	62	44	651542	172	15	654002	138	35
650706	56	43	650979	74	39	651542	174	38	654002	140	35
650706	58	42	650979	78	43	651542	284	38	654002	144	35
650706	64	41	650987	311	40	651542	311	41	654002	148	35
650706	66	40	651041	2	35	651548	312	30	654002	152	33
650706	72	41	651041	4	37	651551	18	35	654002	154	33
650706	142	32	651041	6	8	651551	22	35	654002	156	33
650706	310	17	651041	8	8	651564	14	7	654002	158	29
650725	309	19	651041	10	8	651564	16	8	654002	160	27
650731	92	41	651041	12	6	651620	56	44	654002	166	29
650731	94	40	651041	80	41	651620	58	43	654002	176	37
650731	168	23	651041	82	48	651620	60	43	654002	178	37
650731	252	14	651042	2	33	651620	62	45	654002	188	25
650731	256	14	651042	4	35	651620	64	42	654002	300	41
650733	80	38	651089	100	18	651620	66	41	654004	80	42
650733	82	46	651089	102	16	651620	68	46	654004	82	49
650733	108	36	651089	108	38	651620	70	44	654004	90	45
650733	114	30	651089	110	38	651620	72	42	654004	92	43
650733	116	26	651089	112	36	651620	74	40	654004	94	42
650742	252	15	651259	282	2	651620	76	46	654004	126	24
650742	256	15	651297	172	13	651620	78	44	654004	132	29
650745	32	31	651307	32	32	651628	289	4	654004	134	40
650745	36	34	651307	34	30	651631	285	44	654004	136	39
650745	40	33	651307	36	35	651634	168	24	654004	138	36
650745	44	35	651307	38	36	651644	289	4	654004	140	36
650758	96	15	651307	40	34	651646	132	26	654004	142	36
650758	98	15	651307	42	30	651646	134	37	654004	144	36
650758	281	6	651307	44	36	651646	136	36	654004	146	34
650758	305	6	651307	46	35	651646	142	33	654004	148	36
650763	26	29	651307	283	10	651646	146	31	654004	150	30
650763	30	29	651307	291	41	651646	150	27	654004	152	34
650771	176	34	651307	299	37	651647	132	27	654004	154	34
650771	178	34	651307	300	39	651647	134	38	654004	156	34
650773	100	17	651307	312	28	651647	136	37	654004	158	30
650773	102	15	651308	176	35	651647	142	34	654004	160	28
650773	108	37	651308	178	36	651647	146	32	654004	166	30
650773	110	37	651308	180	7	651647	150	28	654004	188	26
650773	112	35	651308	188	22	651648	2	35	654004	192	32
650784	309	20	651308	190	30	651648	4	37	654004	194	41
650784	310	18	651308	200	30	651651	6	9	654004	285	45
650786	128	25	651308	206	8	651651	8	9	654006	122	20
650811	190	28	651308	287	12	651651	10	9	654009	170	22
650814	86	11	651308	297	7	651651	301	28	654009	172	16
650814	88	12	651312	2	34	651651	302	16	654009	174	40
650815	291	40	651312	4	36	651652	36	36	654009	176	38
650815	300	38	651312	300	40	651652	44	37	654009	178	38
650818	90	43	651343	306	13	651656	24	29	654009	190	32
650818	168	23	651357	308	5	651656	28	30	654009	254	39
650818	296	12	651364	172	14	651660	132	28	654009	258	39
650833	80	39	651366	90	44	651660	134	39	654009	284	40
650833	82	47	651366	92	42	651660	136	38	654009	285	46
650834	52	20	651366	94	41	651660	142	35	654009	311	43
650834	54	25	651368	22	33	651660	146	33	654012	176	39
650834	190	29	651372	168	24	651660	150	29	654012	178	39
650834	299	9	651378	18	34	651672	176	36	654016	289	5
650835	124	18	651378	22	34	651728	309	21	654016	289	5
650835	130	2	651378	24	30	652057	299	10	654022	162	21
650835	293	33	651378	28	29	653007	312	31	654022	164	18
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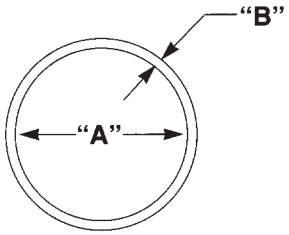
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654026	168	25	656105	194	43	170-35054	70	24	350-32539	16	7
654026	312	32	656110	22	38	170-35072	176	17	350-32542	14	8
654030	2	36	656110	26	35	170-35072	178	25	350-32542	16	8
654030	4	38	656110	30	35	210-19469	287	11	400-32513	14	9
654030	102	18	656138	24	34	210-19470	132	22	400-32513	16	9
654030	104	11	656138	26	36	210-19470	134	32	400-32514	14	10
654030	106	10	656138	28	34	210-19470	136	31	400-32514	16	10
654030	112	38	656138	30	36	210-19470	142	29	400-32515	14	11
654030	118	32	656141	18	40	210-19470	146	26	400-32515	16	11
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654042	192	33	656141	24	35	210-19470	198	10	400-32521	16	12
654042	194	42	656141	26	37	210-19470	282	4	400-32522	14	13
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654042	202	22	656141	30	37	210-19470	295	9	400-32523	14	14
654046	2	37	656149	158	31	210-20570	296	10	400-32523	16	14
654046	4	39	656149	160	29	210-21043	134	33	400-32555	14	15
654046	182	5	656149	162	23	210-21043	136	32	400-32555	16	15
654046	184	5	656149	164	20	210-31017	138	26	400-32556	14	16
654046	186	6	656149	166	31	210-31017	140	26	400-32556	16	16
654046	286	5	656149	190	35	210-31017	144	26	420-18160	32	29
654046	286	5	656188	18	41	210-31017	148	26	420-18160	34	28
654046	287	6	656188	22	40	210-31017	152	24	420-18160	36	32
654046	293	37	806894	282		210-31017	154	24	420-18160	38	34
654049	188	27	807728	218	1	210-31017	156	24	420-18160	40	31
655001	162	22	807803	216	1	210-32183	312	21	420-18160	42	28
655001	164	19	807807	216	1	230-19184	84	15	420-18160	44	33
655006	176	40	808199	216	1	230-19184	132	23	420-18160	46	33
655006	178	40	808200	216	1	230-19184	134	34	420-18757	170	18
656001	18	36	808203	304		230-19184	136	33	420-34839	24	38
656001	22	22	808216	216	1	230-19184	307	9	420-34839	26	23
656001	24	31	808216	218	1	230-21881	234	3	420-34839	28	38
656001	26	20	810076	216	2	230-24749	60	38	420-34839	30	26
656001	26	30	810078	216	2	230-24749	62	41	420-34933	24	27
656001	28	31	810146	218	2	230-24749	64	38	420-34933	28	27
656001	30	19	810312	216	2	230-24749	66	38	420-35399	285	38
656001	30	30	810314	216	2	230-24749	68	42	420-35399	293	29
656013	24	32	810401	282		230-24749	70	41	420-36086	184	3
656013	26	31	810404	281		230-24749	72	38	420-36086	286	3
656013	28	32	810415	289		230-24749	74	37	420-36087	184	3
656013	30	31	810416	289		230-24749	76	42	420-36087	286	3
656029	26	32	810417	284		230-24749	78	41	420-36185	285	38
656029	30	32	810418	284		230-30569	86	1	420-36185	293	29
656047	190	34	810429	283		230-30569	88	4	480-27676	176	28
656047	285	48	810469	290		230-32632	285	35	480-27676	178	1
656047	293	38	810470	290		230-32753	56	41	480-27676	294	6
656048	108	39	810866	294		230-32753	60	40	480-27676	296	5
656048	114	31	810869	216	2	230-32753	64	39	480-32362	192	28
656048	116	27	810870	216	2	230-32753	68	43	480-32362	194	32
656048	138	37	810871	216	2	230-32753	72	39	L70486	6	10
656048	140	37	810871	218	2	230-32753	76	43	L70486	8	10
656048	144	37	810872	216	2	246-26730	14	6	L70486	10	10
656048	148	37	810872	218	2	246-26730	16	7	L70486	12	7
656048	152	35	810949	218	2	310-32288	312	22	L99453	34	31
656048	154	35	810950	218	2	310-32411	168	18	L99453	38	37
656048	156	35	810959	311		310-32411	174	35	L99453	42	31
656049	108	40	810960	311		310-32411	194	31	L99453	46	36
656049	110	39	810961	311		310-32411	284	35	L99967	34	32
656049	112	39	811253	216	1	310-32411	298	21	L99967	38	38
656049	114	32	811255	216	3	310-32411	311	35	L99967	42	32
656049	116	28	811255	218	3	310-32411	312	23	L99967	46	37
656049	118	33	811294	218	1	310-32564	285	36	P471548	18	14
656049	120	32	811295	218	1	310-32564	293	27	P471548	22	15
656051	18	37	811296	218	2	310-32585	294	2	P471548	24	9
656086	18	38	811297	218	2	310-32613	285	37	P471548	26	14
656093	22	36	811298	218	2	310-32613	293	28	P471548	28	9
656093	26	33	010-28854	14	1	310-32678	170	17	P471548	30	13
656093	30	33	010-28854	16	1	310-32678	174	36	P471548	58	44
656098	18	39	010-32401	14	2	310-32678	284	36	P471548	62	16
656098	22	37	010-32401	16	2	310-32678	311	36	P471548	66	16
656098	24	33	090-32025	200	8	320-32692	14	5	P471548	70	16
656098	26	34	090-32424	285	5	320-32692	16	5	P471548	74	16
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O-RING TABLE



FITTING THREAD SIZE	DIAMETER "A"	DIAMETER "B"	GEHL PART NUMBER
9/16 - 18	0.468	0.078	055897
3/4 - 16	0.644	0.087	055896
7/8 - 14	0.755	0.097	055898
1-1/16 - 12	0.924	0.116	048953
1-5/16 - 12	1.171	0.116	058674
1-5/8 - 12	1.475	0.118	077970

Recommended Coupling & Adapter Installation Torque Specifications

For SAE "0" Ring Boss (Steel)

Size		Ft-Lbs	
Dash	Fractional (In.)	Minimum	Maximum
-3	3/16	8	10
-4	1/4	14	16
-5	5/16	18	20
-6	3/8	24	26
-8	1/2	50	60
-10	5/8	72	80
-12	3/4	125	135
-14	7/8	160	180
-16	1	200	220
-20	1-1/4	210	280
-24	1-1/2	270	360

For JIC 37° and 45° (Machined or Flared)

Steel			
Size		Ft-Lbs	
Dash	Fractional (In.)	Minimum	Maximum
-4	1/4	10	11
-5	5/16	13	15
-6	3/8	17	19
-8	1/2	34	38
-10	5/8	50	56
-12	3/4	70	78
-16	1	94	104
-20	1-1/4	124	138
-24	1-1/2	156	173
-32	2	219	243

Torque Specifications

Use these torque values when tightening hardware (excluding: locknuts, and self-tapping, thread-forming, and sheet metal screws) unless otherwise specified.

Unified National Thread	Grade 2		Grade 5		Grade 8	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
8-32	19*	14*	30*	22*	41*	31*
8-36	20*	15*	31*	23*	43*	32*
10-24	27*	21*	43*	32*	60*	45*
10-32	31*	23*	49*	36*	68*	51*
1/4-20	66*	50*	9	75*	12	9
1/4-28	76*	56*	10	86*	14	10
5/16-18	11	9	17	13	25	18
5/16-24	12	9	19	14	25	20
3/8-16	20	15	30	23	45	35
3/8-24	23	17	35	25	50	35
7/16-14	32	24	35	35	70	55
7/16-20	36	27	40	40	80	60
1/2-13	50	35	75	55	110	80
1/2-20	55	40	90	65	120	90
9/16-12	70	55	110	80	150	110
9/16-18	80	60	120	90	170	130
5/8-11	100	75	150	110	220	170
5/8-18	110	85	180	130	240	180
3/4-10	175	130	260	200	380	280
3/4-16	200	150	300	220	420	320
7/8-9	170	125	430	320	600	460
7/8-14	180	140	470	360	660	500
1-8	250	190	640	480	900	680
1-12	270	210	710	530	1000	740

Metric Coarse Thread	Grade 8.8		Grade 10.9		Grade 12.9	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
M6-1	8	6	11	8	13.5	10
M8-1.25	19	14	27	20	32.5	24
M10-1.5	37.5	28	53	39	64	47
M12-1.75	65	48	91.5	67.5	111.5	82
M14-2	103.5	76.5	145.5	108	176.5	131
M16-2	158.5	117.5	223.5	165.5	271	200

*All torque values are in ft-lbs, except those marked with an *, which are in in-lbs.

For metric torque value (N·m) multiply the ft-lbs value by 1.355 or the in-lbs value by 0.113.



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917000/JP0909

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