



MANITOU NORTH AMERICA, INC.

6401 IMPERIAL DRIVE
Waco, TX 76712-6803

MT6642T
MT6642XT
MT8044XT

PARTS MANUAL

MT6642T/XT S/N: 17173 and below
MT8044XT S/N: 18177 and below

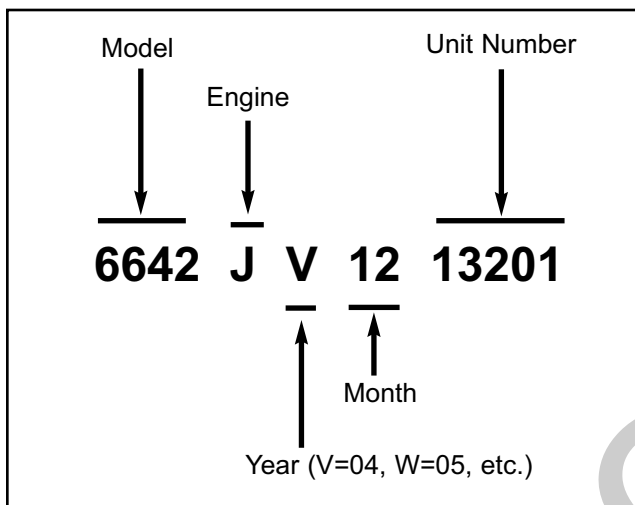
For Parts Orders contact your Manitou North America Dealer or call:
Manitou North America, Parts Dept.
800-425-3727 or (254) 799-0232 Parts Dept. Fax: (254) 867-6504
Email: parts.mna@manitou.com

Introduction

The Table of Contents pages list the page locations of various component groups on the machine.

When ordering service parts, specify the part number, full description, quantity required, and the unit model and serial number.

Model and serial numbers for this unit are stamped on a plate located inside the operator's station. The serial number is also stamped on the top front of the frame. The following reference shows the breakdown of the serial number:



“Right” and “left” are determined from a position standing behind the unit and facing the direction of travel.

Manitou North America Inc., 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 unit previously delivered.

Grease fittings and common attaching hardware, such as cotter pins, set screws, woodruff keys, screws and nuts are included in the parts list, indented below the part they are associated with, but NOT illustrated, except where a particular routing or special fastening arrangement must be maintained. The hardware listed is for mounting purposes and is NOT included when the part is ordered for replacement.

Standard attaching hardware torque values are provided on the inside back cover. Unless otherwise specified, all capscrews are Grade 5, cadmium or zinc plated; hexagon nuts for Grade 5 capscrews or bolts are Grade A.

List of Abbreviations Used in this Manual

AN	Acorn Nut
AR	As Required
ASY	Assembly
BHB	Button Head Bolt
CB	Carriage Bolt
CN	Castellated Nut
CYL	Cylinder
CS	Capscrew (Hexagon Head)
DIA	Diameter
FHMS	Flat Head Machine
FLN	Flanged Flexlock Nut
FLS	Flanged Lock Screw
FT	Foot or Feet
GR	Grade
HLN	Hexlock Nut
HYD	Hydraulic
JN	Jam Nut
L	Lock (Washer)
LH	Left Hand
LT	Left
N	Nut (Plain Hex)
NA	Not Applicable
NIN	Nylon Insert Lock Nut
NPTF	National Pipe Threaded Fitting
NSS	Not Sold Separately
P	Plain (Washer)
PB	Plow Bolt
PHS	Pan Head Screw
RH	Right Hand
RHMS	Round Head Machine Screw
RHSMS	Round Head Sheet Metal Screw
RNF	Retained Nut Fastener
RT	Right
SHCS	Socket Head Caps crew
SHSS	Socket Head Set Screw
SFN	Serrated Flange Nut
SHSS	Square Head Set Screw
STS	Self-Thread Screw Hex. Washer Head
THMS	Truss-Head Machine Screw
TRS	Thread Roll Screw
W/	With
WN	Wing Nut

FILTER REFERENCE

TYPE	PART NUMBER
Engine Oil <i>Note c</i>	808000
Engine Fuel <i>Note a</i> <i>Note b</i>	808002 808003
Engine Air Transmission Oil Hydraulic Oil	see pgs. 54 & 56 808004 808005
Notes: <i>a Used with 99 hp John Deere TIER II engine. (Units equipped with this engine use the manual accelerator pedal.)</i> <i>b Used with 115 hp John Deere TIER II engine. (Units equipped with this engine use the electronic accelerator pedal.)</i> <i>c Use Dust Seal P/N 809290 as needed.</i>	

TABLE OF STANDARD WASHERS, NUTS

Size & Description	Part No.	Size & Description	Part No.
#10-32 N	808544	7/16 L	808594
1/4 L	808589	7/16-14 NIN	808625
1/4-20 NIN	808661	7/16 P	809287
1/4 P	808588	1/2-13 NIN	808665
1/4-20 SFN	808545	1/2 P	808595
5/16 L	808591	5/8 L	808597
5/16-18 N	808603	5/8-11 N	809288
5/16-18 NIN	808662	3/4-10 N	809289
5/16 P	808590	3/4-10 NIN	808626
5/16-18 RNF	808671	3/4 P	808593
5/16-18 SFN	808555		
3/8-16 L	808593	1-8 JN	808592
3/8-16 N	809286		
3/8-16 NIN	808663		
3/8-16 P	808592		
3/8-16 SFN	808559		
3/8-16 WN	808670		

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Torque Specification

GENERAL INFORMATION



CAUTION

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

Decal locations information is provided to assist in the proper selection and application of new decals, in the event the original decals become damaged or the machine is repainted.

For correct replacement of decals, compare the location illustrations to your machine before starting to refinish the unit. Check off each required decal using the illustration reference number to find the part number, description and quantity in the list. Refer to the appropriate illustrations for replacement locations.

NEW DECAL APPLICATION

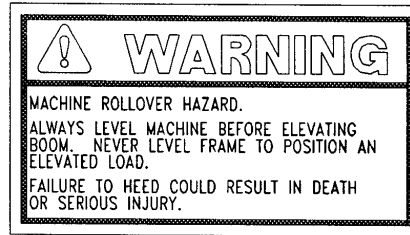
Before applying the new decals, surfaces must be free from dirt, dust, grease and other foreign material. To apply a solid-formed decal, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Slowly peel off the other portion of the backing paper while applying hand pressure to smooth out decal surface. To apply a die-cut decal, first remove the backing paper. Then, properly orient and position the decal onto the clean mounting surface. After the decal is firmly applied and smoothly pressed down, remove the front covering paper.



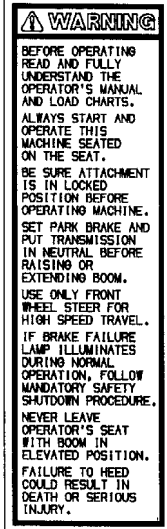
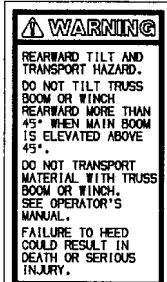
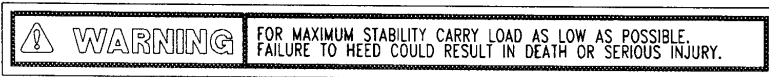
DECALS



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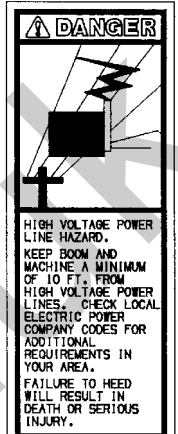
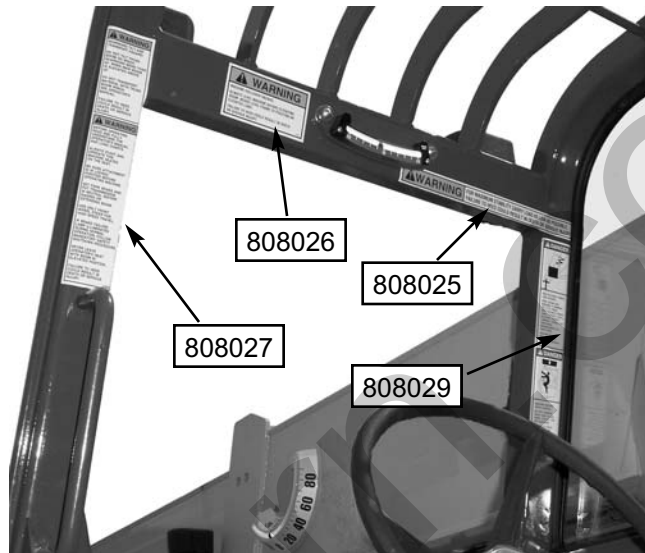


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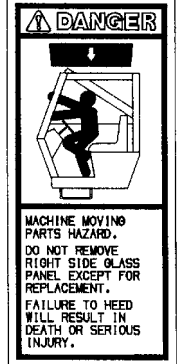


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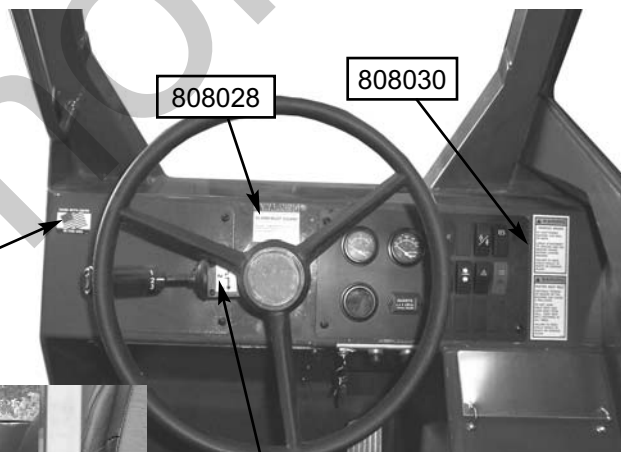
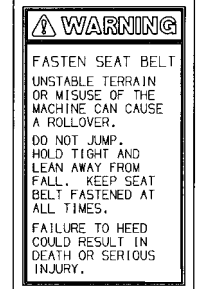
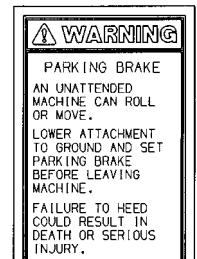
808060 - MADE IN USA



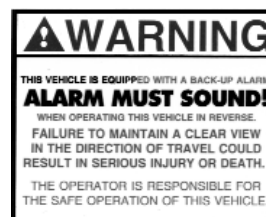
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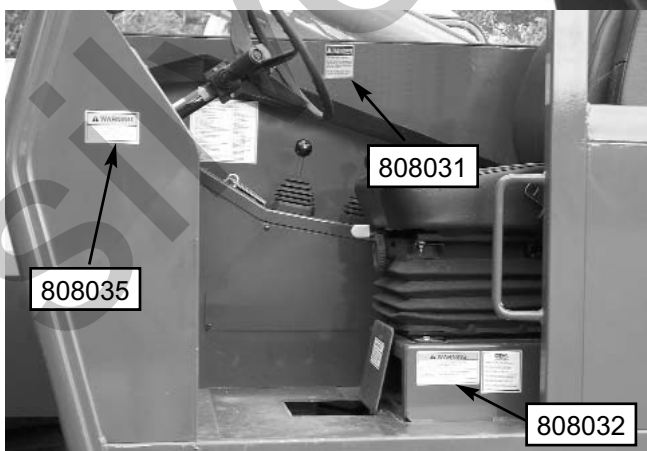
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808027 - F-N-R SHIFT

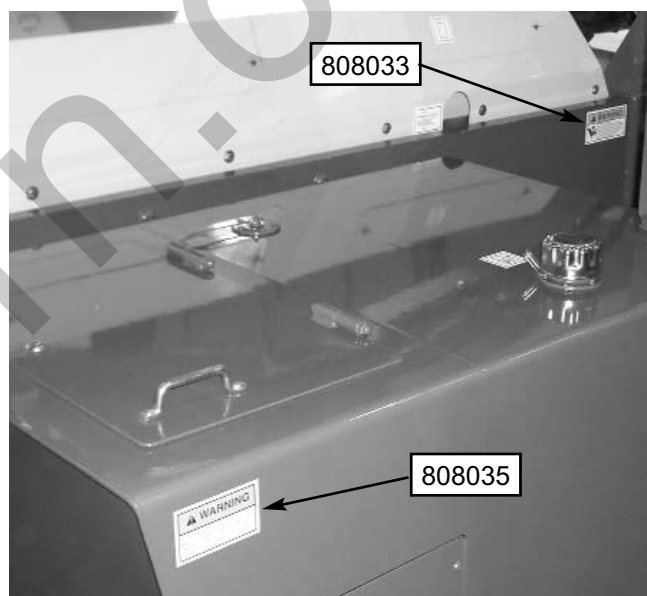
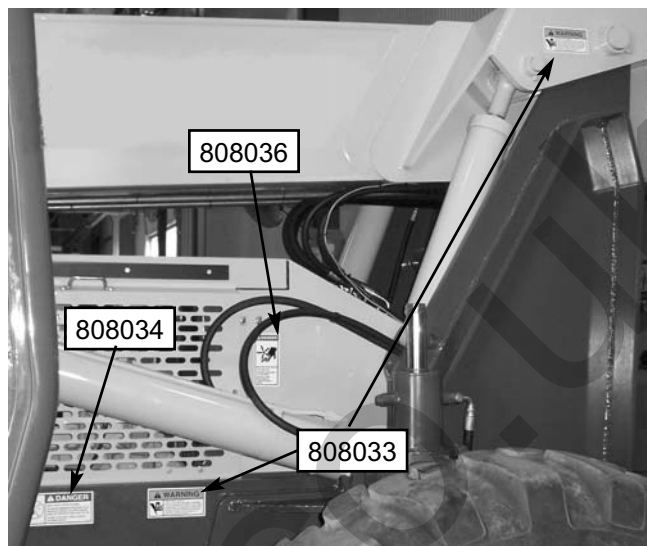
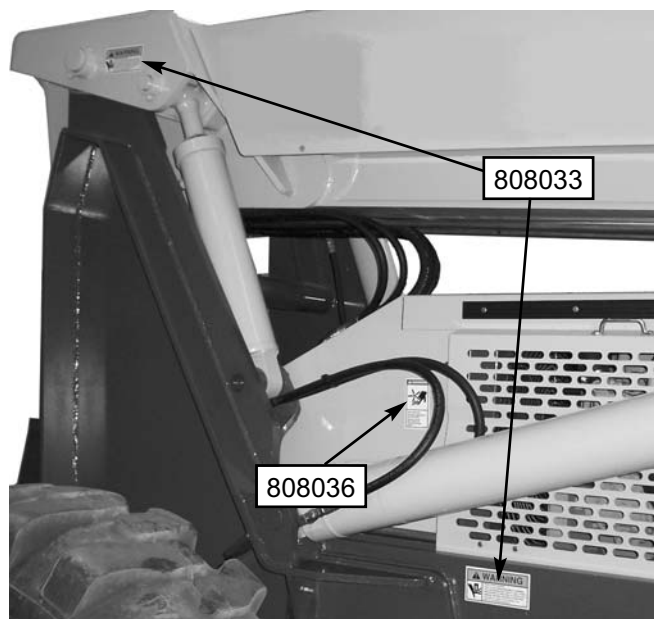


808028





DECALS (cont.)



MT8044	MT6642	LOAD CHARTS
808013	808019	STANDARD CARRIAGE
808012	808018	ROTATING CARRIAGE
808011	808017	BUCKET
808010	808016	TRUSS BOOM
808009	808015	WINCH
808008	N/A	SWING CARRIAGE
808007	808014	PWP EQUIPPED UNITS

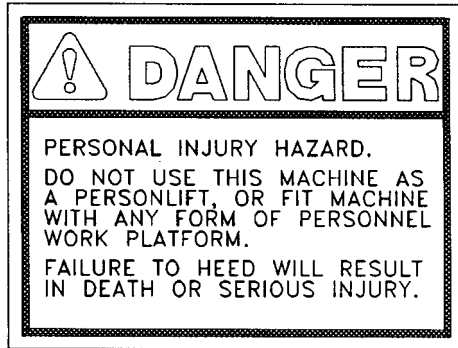
808061 - ATTACHMENT TILT/FRAME LEVEL

808062 - BOOM CONTROL

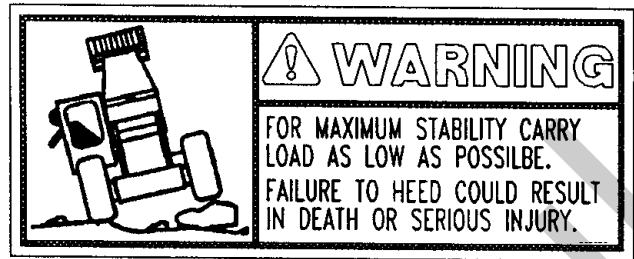




DECALS (cont.)



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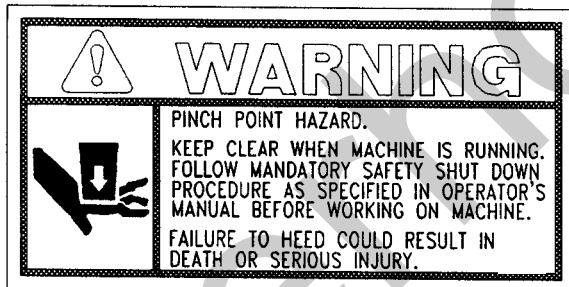


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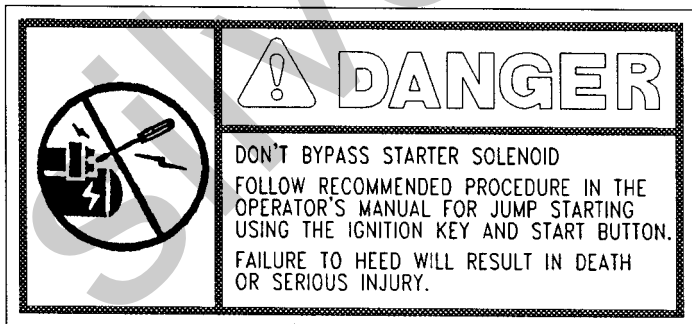
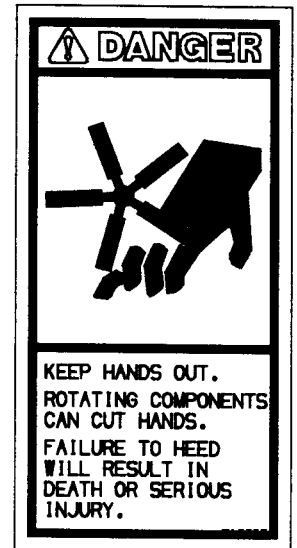
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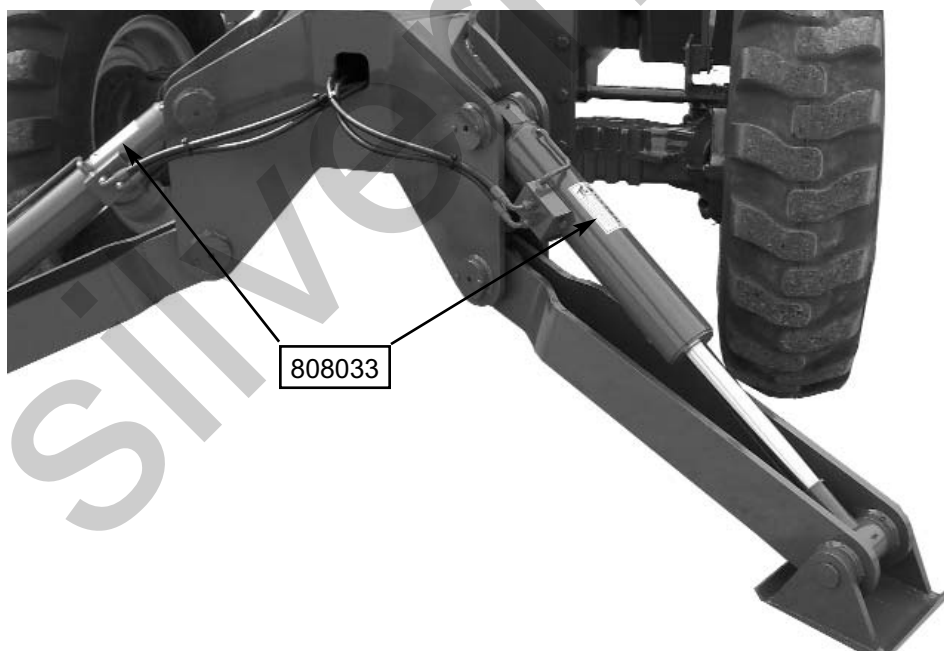
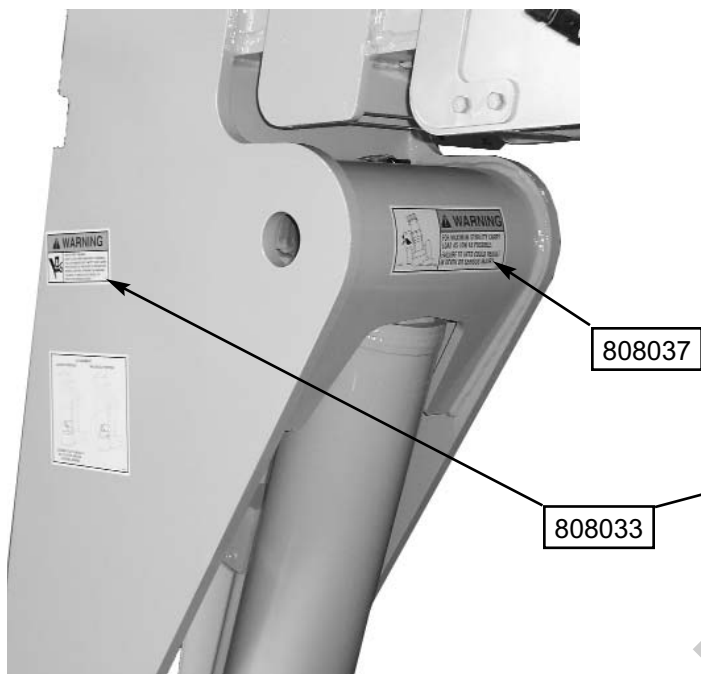
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DECALS (cont.)





DECALS (cont.)





DECALS (cont.)

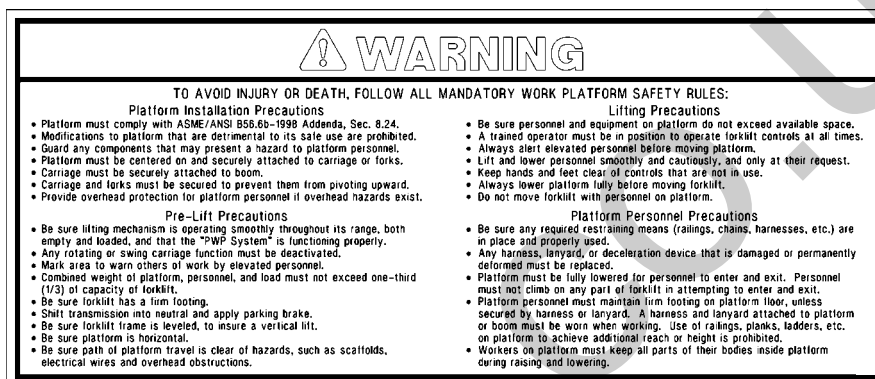


PWP Safety Decals

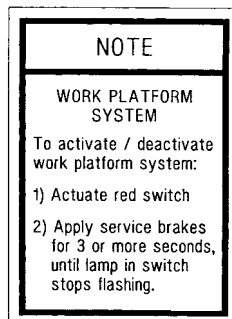
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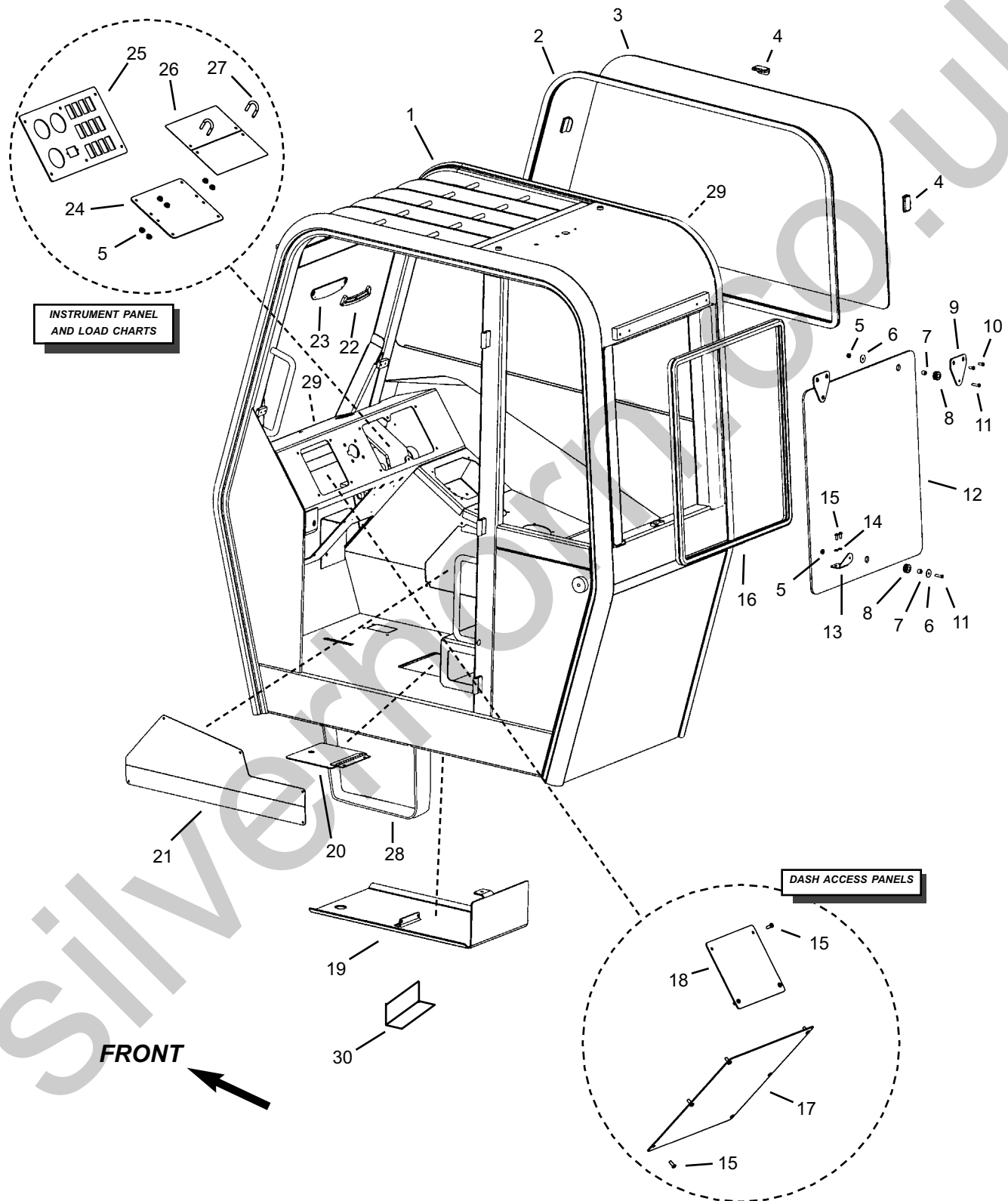
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808042

Cab

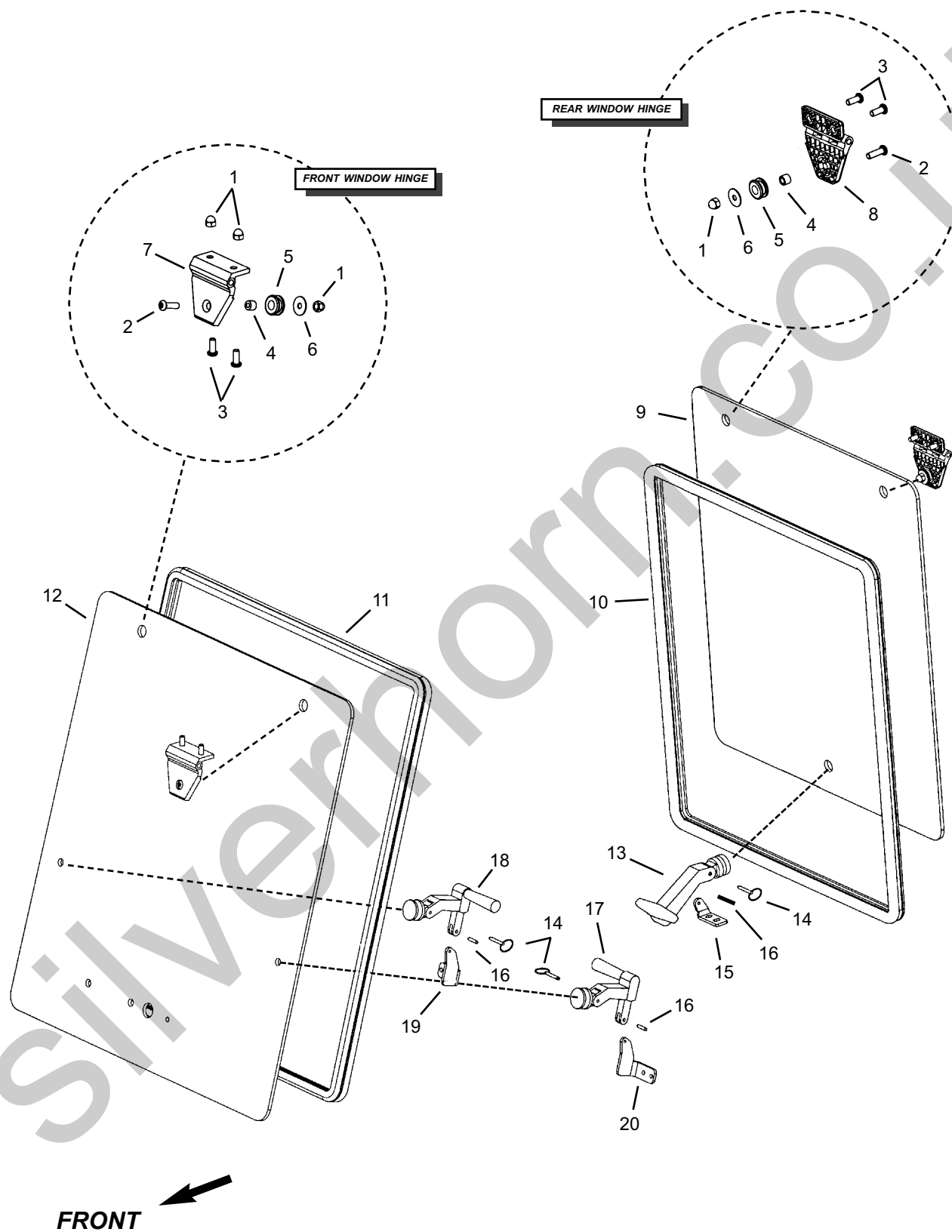
Standard Cab and Covers



Standard Cab and Covers

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809176	CAB WELDMENT	1	23	808862	PLATE, INCLMT MOUNT	1
02	808248	BULB SEAL, RIGHT WINDOW . . .	1		808667	5/16"-18X3/4" BUTT. HD BOLT . . .	4
03	808241	GLASS, RIGHT HAND	1	24	808245	COVER, FUSE PANEL	1
04	808493	CLIP, WINDOW	3		808090	1/4"-20X3/4" SCREW, PHILP HD. . .	4
	808492	SCREW, FLANGE	6	25 ^b	808308	PANEL, DASH	1
05	808545	1/4"-20 WHIZ LOCK NUT.	AR	26 ^c	808723	LOAD CHART PLATE	2
06	808484	WASHER, FLAT (BLACK)	3	27	808734	1/4"-20 U-BOLT	1
07	808482	BUSHING, NYLON	3	28	809178	ACCESS STEP (<i>weld on</i>)	1
08	808483	GROMMET, 1/2"ID X 1/4"GROOVE .	3	29	809179	GROMMET, 5/8"	AR
09	808306	MOUNT, REAR GLASS UPPER . . .	2			(<i>not shown</i>)	
10	808667	5/16"-18X3/4" BUTT. HD BOLT . .	4	30	808470	BRACKET	1
11	808666	1/4"-20X1" BUTT. HD BOLT	3			-- ITEMS NOT SHOWN--	
12	808242	GLASS, REAR.	1	00	808231	HARNESS, CANOPY	1
13	808307	MOUNT, REAR GLASS LOWER . . .	1	00 ^a	808733	HOLE PLUG, 2-1/2" DIA	1
14	808589	1/4" LOCK WASHER.	2			(<i>defroster hole in dash</i>)	
15	808600	1/4"-20X5/8" BUTT. HD BOLT . . .	AR	00	808672	TREAD STRIP, 6" WIDE (4 FT.) . . .	1
16	808249	BULB SEAL, REAR WINDOW	1				
17 ^a	808258	PANEL, HEATER.	1				
18 ^a	808257	PANEL, DASH COVER.	1				
19	808260	COVER, BOTTOM.	1	a		<i>Use when not equipped with a heater.</i>	
	808471	3/8 WHIZ LOCK NUT.	1				
	808497	5/16" LOCK WASHER	1	b		<i>Refer to Instrument Panel and Switches section on the next page for information regarding switches and gauges.</i>	
	808498	5/16"-18X3/4" BUTT. HD BOLT . . .	4				
20	808261	WLDMNT, BRAKE CYL COVER. . . .	1				
21	808236	COVER, HYD. CONTROLLERS. . . .	1	c		<i>Refer to Decal Section for Load Chart Decals.</i>	
	808090	1/4"-20X3/4" SCREW, PHILP HD. .	5				
22	808802	INDICATOR/FRAME LEVEL	1				
	809177	#8-32X1" SCREW	2				

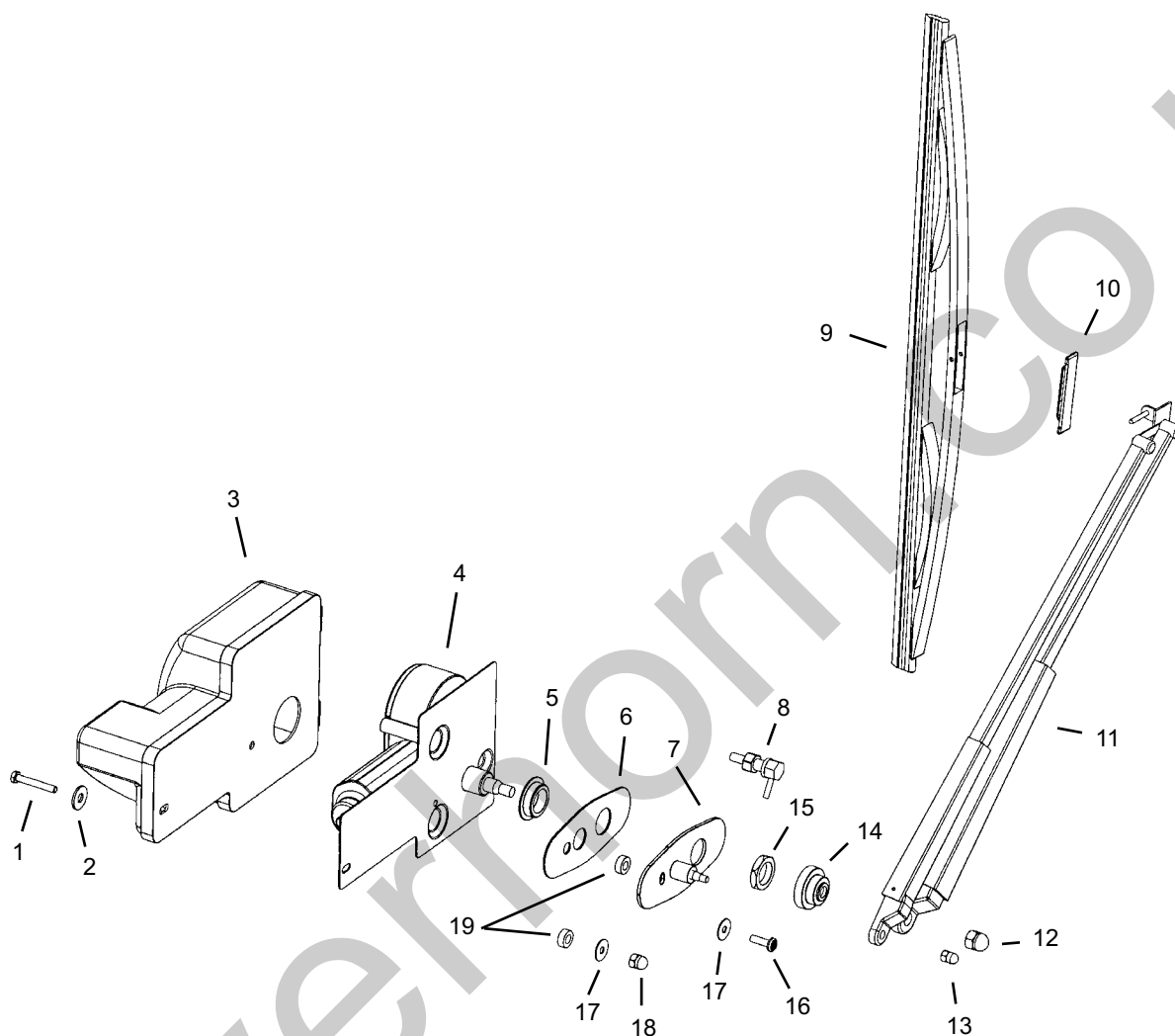
Front and Rear Window Group (Option)



Front and Rear Window Group (Option)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808490	5/16"-18 ACCORN NUT	AR	15 ^a	808096	MOUNT, REAR WINDOW LATCH .	1
02	808420	5/16"-18X1" BUTTN HD BOLT	4	16	808481	PIN, ROLL - 3/16"x1/2"	3
03	808421	5/16"-18X3/4" BUTTN HD BOLT . . .	8	17	808488	HOLD OPEN, L-STYLE	1
04	808491	BUSHING, STEEL	4	18	808487	HOLD OPEN, L-STYLE	1
05	808483	GROMMET, 1/2"IDX1/4"GROOVE .	6	19 ^a	808254	MOUNT, WIND. HOLD OPEN (RH)	1
06	808422	5/16" FLAT WASHER (BLACK)	4	20 ^a	808255	MOUNT, WIND. HOLD OPEN (LH).	1
07	808495	HINGE, FRONT WINDOW	2				
08	808485	HINGE, PLASTIC (<i>rear window</i>) . .	1				
09	808242	GLASS, REAR.	1	<i>a</i>	<i>Use the parts listed below to fasten mount to frame:</i>		
10	808249	BULB SEAL, REAR GLASS	1	00	809180	1/4" FLAT WASHER	AR
11	808247	BULB SEAL, FRONT GLASS	1	00	809181	1/4" LOCK WASHER	AR
12	808240	GLASS, FRONT	1	00	808600	1/4"-20X5/8" BUTTN HD BOLT . .	AR
13	808095	HOLD OPEN, T-STYLE	1				
14	808486	PIN, QUICK DETATCH	4				

Wiper (Option) / Front and Top Glass



FRONT (FRONT WINDOW)



UP (TOP WINDOW)

Wiper (Option) / Front and Top Glass

ALL PARTS ARE USED ON BOTH FRONT AND TOP GLASS - EXCEPT NOTED

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808573	BOLT / 10-24x1.25 HEX GR5	1	19 ^c	808560	BUSHING / NYLON	2
02	808479	WASHER/BLK NYLON	1	20	808089	BOTTLE, DUAL -PUMP WASHER	1
03	808562	COVER WIPER MOTOR	1				
04	808561	WIPER MOTOR / TRICO	1				
05 ^c	808570	TOWER SEAL / TRICO WIPER	1				
06	808565	GASKET / PANTO ADAPTER	1				
07	808574	PANTO ADAPTER PLATE	1	00	809182	HARNESS, TOP WIPER	1
08	808494	ADAPTOR/WET ARM	1	00	809183	HARNESS, FRONT WIPER	1
09	808320	WIPER BLADE (16")	1				
10	808569	ADAPTER / PIN LOCK	1				
11	808569	WIPER ARM	1				
	808566	Note a (15-12")		00	808321	HARNESS, WASHER BOTTLE	1
	808319	Note b (18-1/2")		00	808347	TUBING, WASHER (15-1/2')	1
12	808564	M8 / ACORN NUT	1				
13	808568	M5 / ACORN NUT	1				
14	808571	RAIN SHIELD	1	a		Used for front window	
15	808563	M18 / NUT	1	b		Used for top window	
16	808572	SCREW / M5 16mm	1	c		Not used on top window	
17	808093	WASHER, #10 WEATHERTITE	2				
18	808480	NUT/ACORN #10-24 BLK	1				

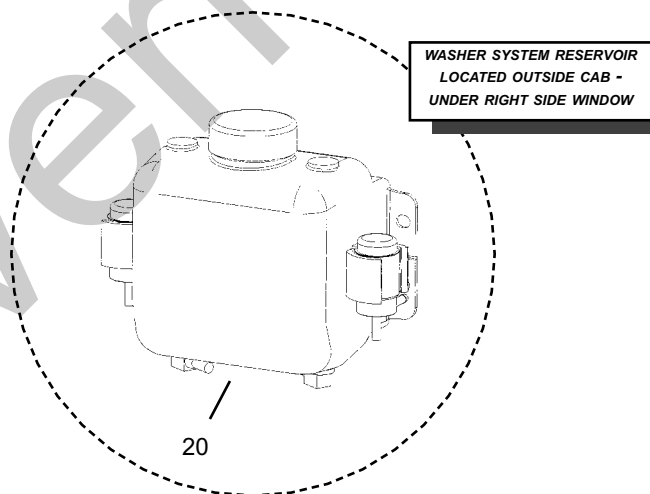
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(Windshield Wiper Harness)

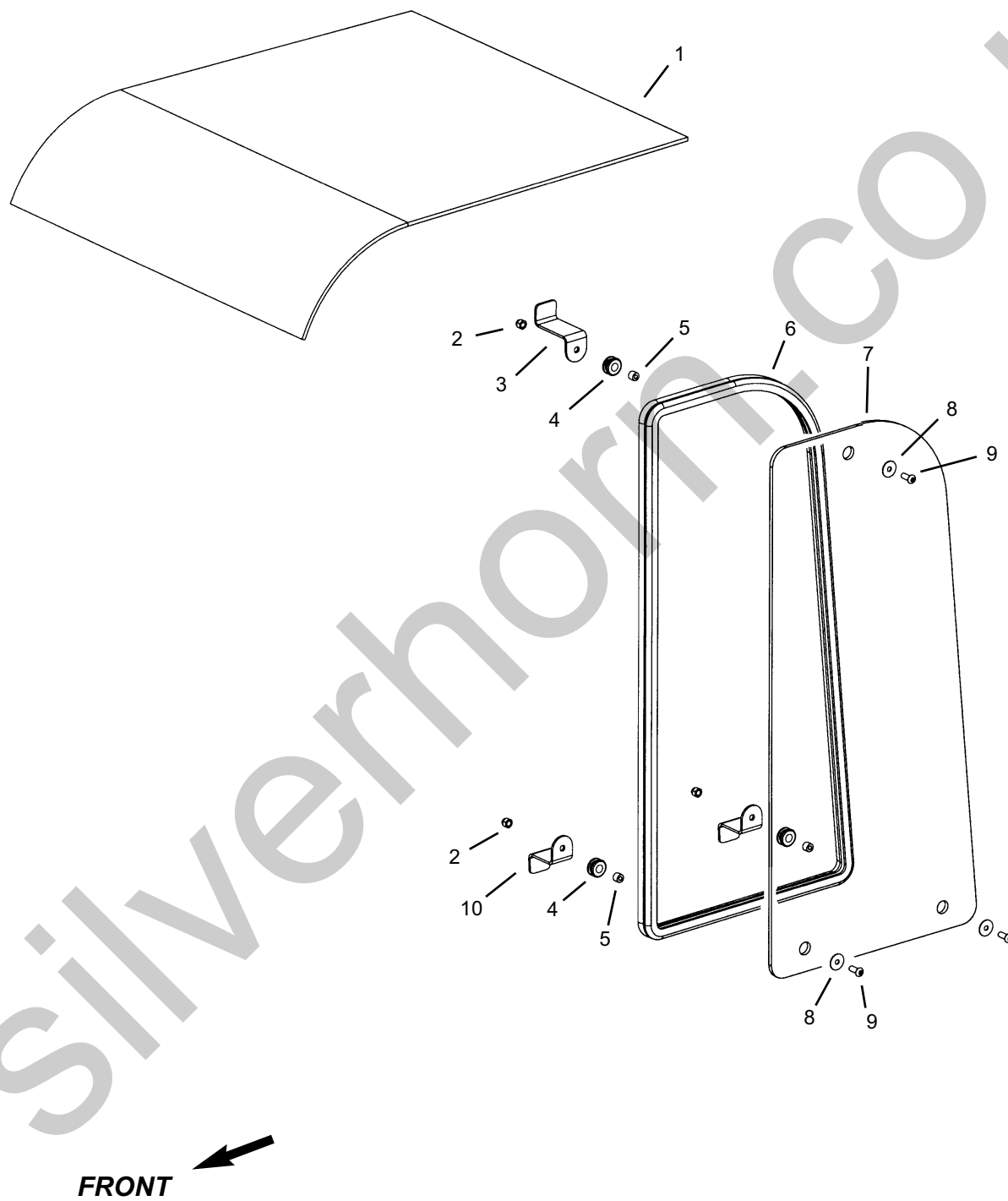
00	809182	HARNESS, TOP WIPER	1
00	809183	HARNESS, FRONT WIPER	1

(Windshield Washer System)

00	808321	HARNESS, WASHER BOTTLE	1
00	808347	TUBING, WASHER (15-1/2')	1



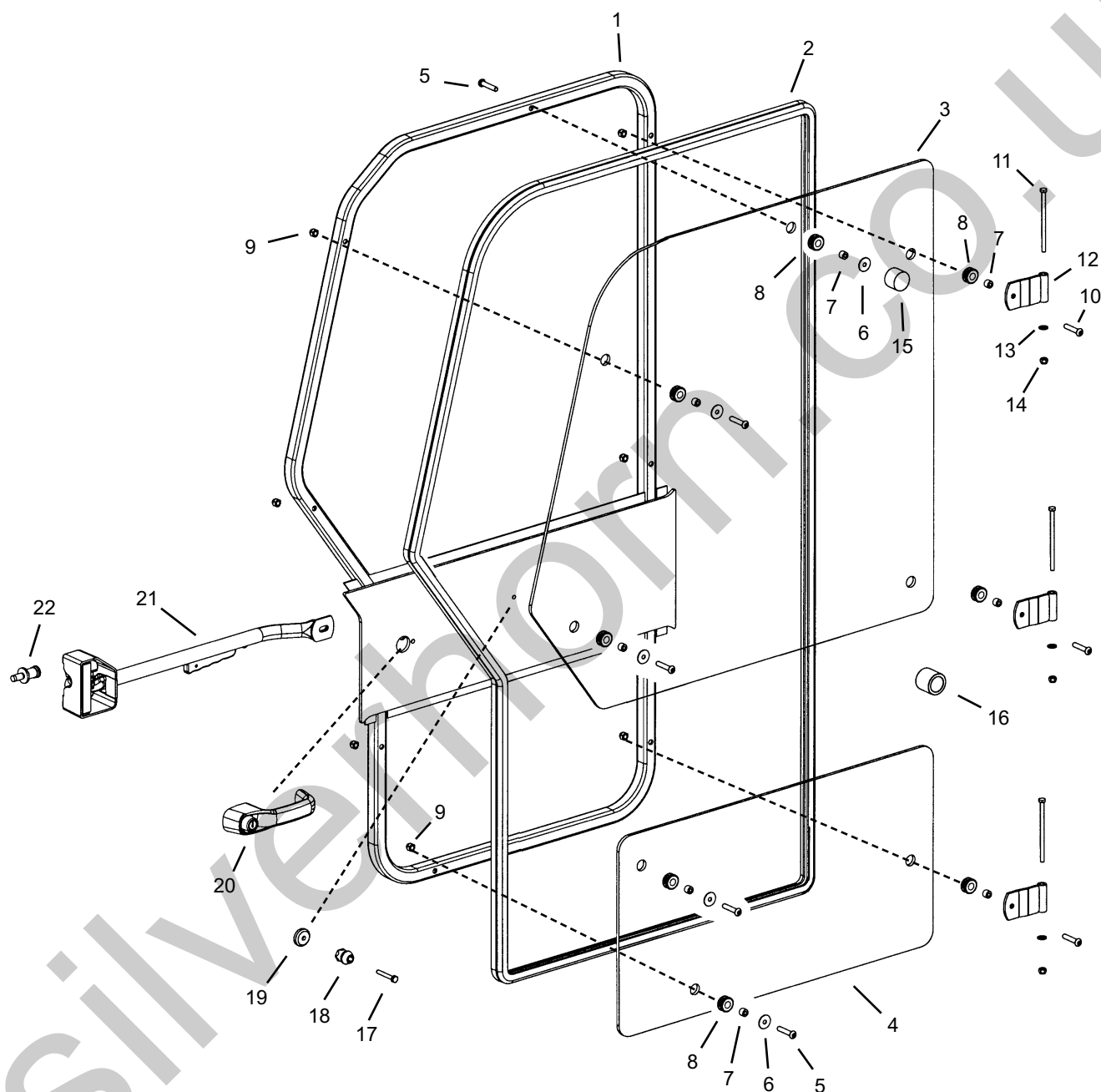
Top and Left Window (Option)



Top and Left Windows (Option)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01 ^a	808244	GLASS, TOP	1	07	808243	GLASS, LEFT REAR.	1
02	808490	5/16"-18 ACCORN NUT	AR	08	808422	5/16" FLAT WASHER (BLACK). . . .	4
03	808252	WINDOW MOUNT, UPPER.	1	09	808420	5/16"-18X1" BUTTN HD BOLT	4
04	808483	GROMMET, 1/2"IDX1/4"GROOVE . .	3	10	808253	WINDOW MOUNT, LOWER	2
05	808491	BUSHING, STEEL	4				
06	808250	BULB SEAL, LEFT GLASS.	1	a	Use P/N 808934 Adhesive / Sealant to attach top glass to cab.		

Cab Door (Option)

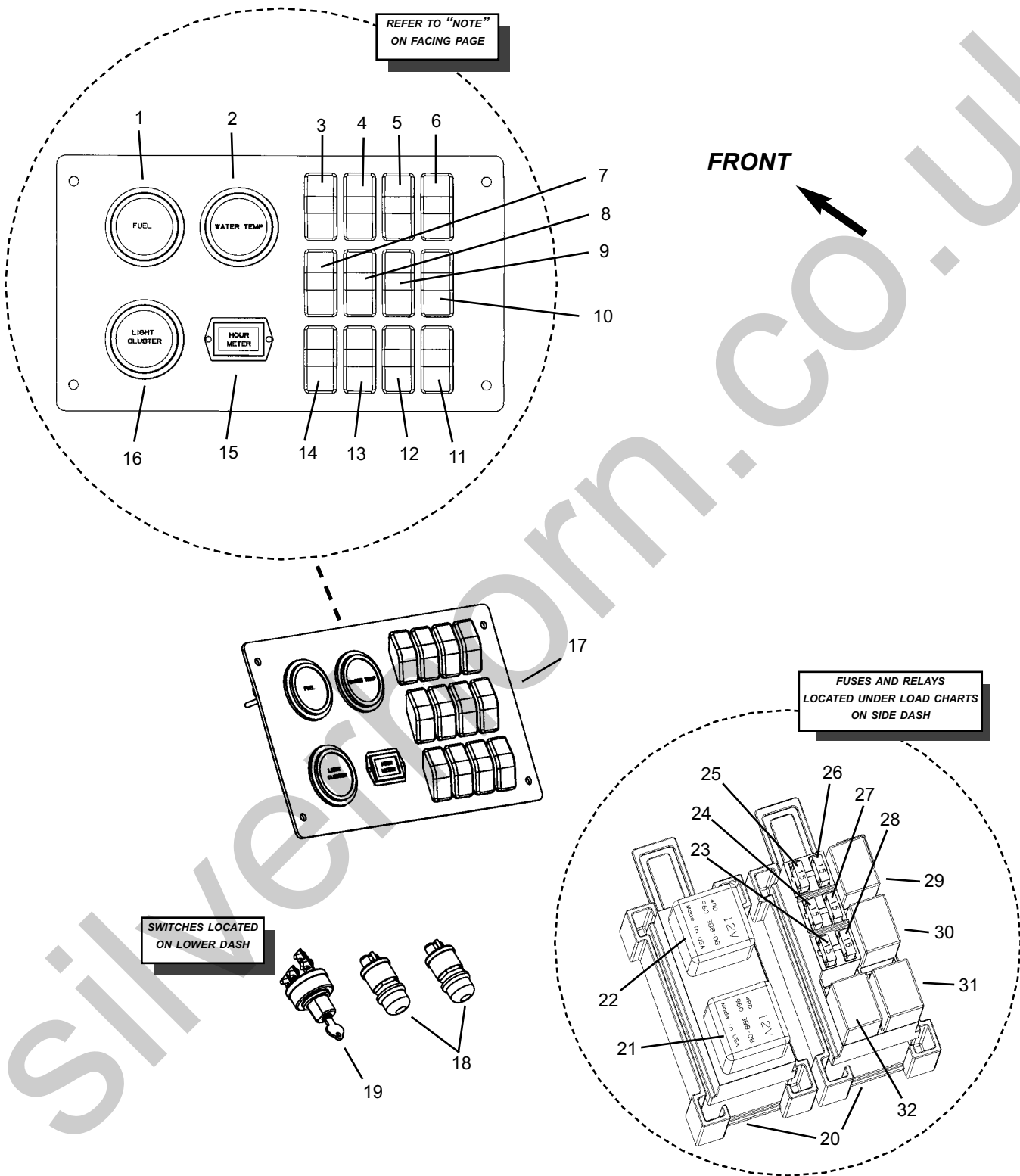


FRONT 

Cab Door (Option)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808348	CAB DOOR 1 (includes items 1-10, 12 and 15)		16	808489	HOLD OPEN/DOOR (SET)..... 1 (includes item #18) [mounts to cab]	
01	808303	WELDMENT, CAB DOOR FRAME . 1		17	808413	1/4"-20x1-1/2" BOLT 1	
02	808246	BULB SEAL, DOOR FRAME 1		18	NSS	HOLD OPEN/DOOR STUD..... 1 (included with item #16 as a set)	
03	808238	GLASS, UPPER DOOR 1		19	808094	GLASS MOUNT 1	
04	808239	GLASS, LOWER DOOR 1		20	808327	HANDLE, EXT. DOOR LOCKING.. 1	
05	808419	5/16"-18X1-3/4" BUTTN HD BOLT . 5			808097	KEY ONLY 1	
06	808422	5/16" FLAT WASHER (BLACK).... 5		21	808310	LATCH RELEASE, INTERIOR 1	
07	808491	BUSHING, STEEL 8			809185	1/4-20X1-1/4" FLAT HD SCREW.. 2	
08	808483	GROMMET, 1/2"IDX1/4"GROOVE . 8			808600	1/4-20X5/8" BUTTN HD BOLT.... 1	
09	808490	5/16"-18 ACCORN NUT (BLACK).. 8			809186	M6-1X12 8.8 BOLT..... 2	
10	809184	5/16"-18X2" BUTTN HD BOLT 3			808484	FLAT WASHER (BLACK)..... 1	
11	808417	1/4"-20X4-1/2" BOLT 3			808661	1/4"-20 NYLON INSERT NUT 2	
12	808317	WELDMENT, DOOR HINGE..... 3			808891	1/2" HOLE PLUG 2	
13	808145	HINGE BEARING (washer)..... 3		22	808086	STRIKER..... 1	
14	808662	5/16"-18 NYLON INSERT NUT.... 3			809187	7/16" LOCK WASHER 1	
15	808323	BUMPER, DOOR 1			809188	7/16" FLAT WASHER..... 1	
					809189	7/16"-14 NUT 1	

Instrument Panel, Switches and Fuses



Instrument Panel, Switches and Fuses

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808724	GAUGE, FUEL	1	21	808892	CHANGE OVER RELAY 20 AMP ..	1
02	808809	GAUGE, WATER TEMP.	1	22	808892	CHANGE OVER RELAY 20 AMP ..	1
03	808922	SWITCH, STEER MODE.	1	23	808394	FUSE, MINI 15 AMP	1
04	808083	SWITCH, ENGINE FAULT.	1	24	809190	FUSE, MINI 25 AMP	1
05	808928	SWITCH, CLUTCH CUT OUT.	1	25	809190	FUSE, MINI 25 AMP	1
06	808921	SWITCH, PARK BRAKE	1	26	809190	FUSE, MINI 25 AMP	1
07	808926	SWITCH, LIGHTS	1	27	808394	FUSE, MINI 15 AMP	1
08	808927	SWITCH, TURN SIGNALS	1	28	808394	FUSE, MINI 15 AMP	1
09	808924	SWITCH, HAZARD LIGHTS	1	29	808395	MICRO RELAY, 20 AMP	1
10	808938	SWITCH, WPS	1	30	808395	MICRO RELAY, 20 AMP	1
11 ^a	NA	OPTIONAL SWITCH	1	31	808395	MICRO RELAY, 20 AMP	1
12	808925	SWITCH, ETHER	1	32	808395	MICRO RELAY, 20 AMP	1
13	808923	SWITCH, WIPER/WASHER	1				
14	808923	SWITCH, WIPER/WASHER	1				
15	808069	GAUGE, HOUR METER	1				
16	808721	GAUGE, LIGHT CLUSTER	1				
17	808308	PANEL, DASH	1				
		(does not include switches or gauges)					
18	808438	SWITCH, PUSH BUTTON.	2				
19	808073	SWITCH, IGNITION w/KEY.	1				
	808074	KEY ONLY	1				
20 ^b	808231	HARNESS, CANOPY	1				

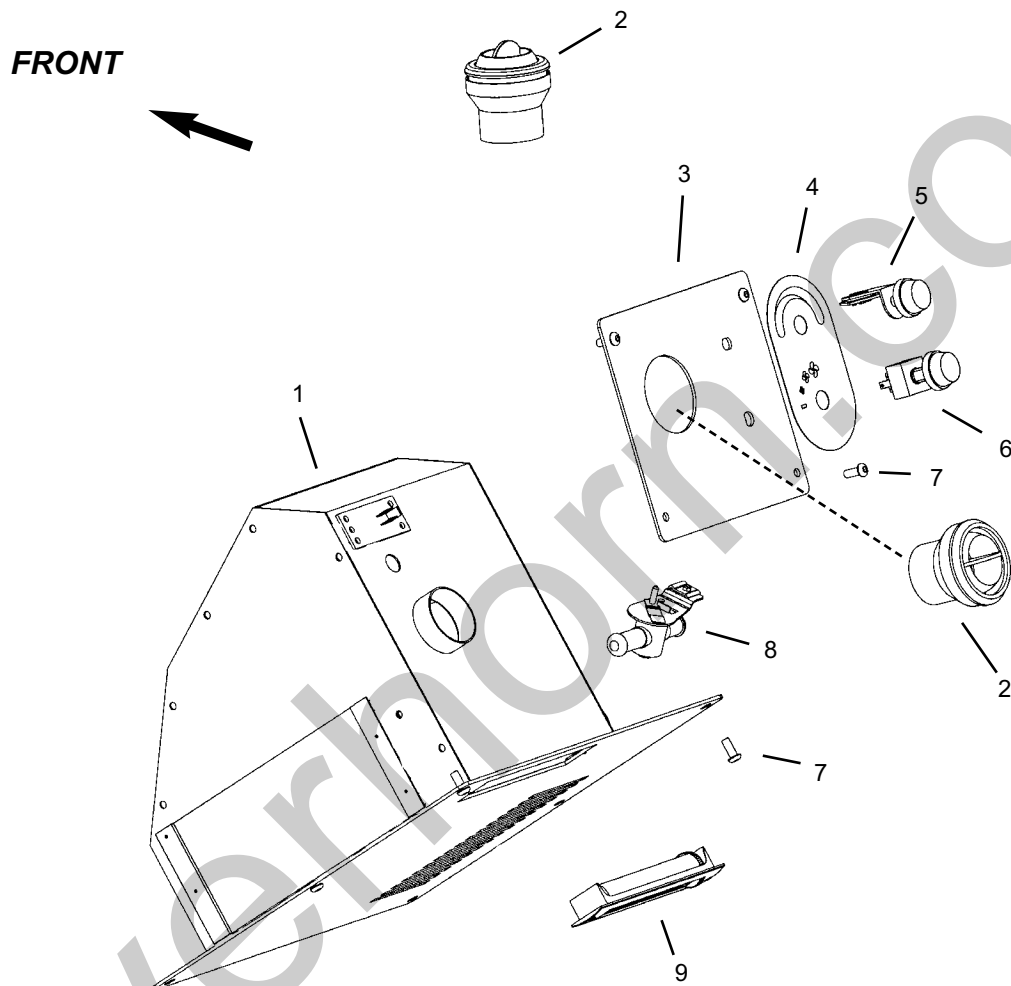
a Use P/N 809191 Switch Hole Plug to cover hole when switches are not present.

b Not all connections or terminals are shown in this illustration. The fuse and relay blocks as shown are located under the load chart panel on the side dash.

Note: Switches shown in the illustration or listed on this page are for reference purposes only. Your machine might be configured differently or might not include all of the options shown.

FUSE AND RELAY REFERENCE	
21	(Relay #2) - 20 AMP change-over relay - PARK BRAKE
22	(Relay #1) - 20 AMP change-over relay - IGNITION
23	(Fuse #2) - 15 AMP fuse - (IGNITION) - transmission, park brake, WPS, steer select, injector
24	(Fuse #4) - 25 AMP fuse - (IGNITION) - heater, gauges
25	(Fuse #6) - 25 AMP fuse - (IGNITION) - front wiper motor
26	(Fuse #5) - 25 AMP fuse - (IGNITION) - top wiper motor
27	(Fuse #3) - 15 AMP fuse - (IGNITION) - lights, ether, clutch cutout
28	(Fuse #1) - 15 AMP fuse - (BATTERY) - ignition switch, horn, brake lights, backup alarm
29	(Relay) - 20 AMP micro relay - top wiper
30	(Relay) - 20 AMP micro relay - lights
31	(Relay) - 20 AMP micro relay - bulb check
32	(Relay) - 20 AMP micro relay - front wiper

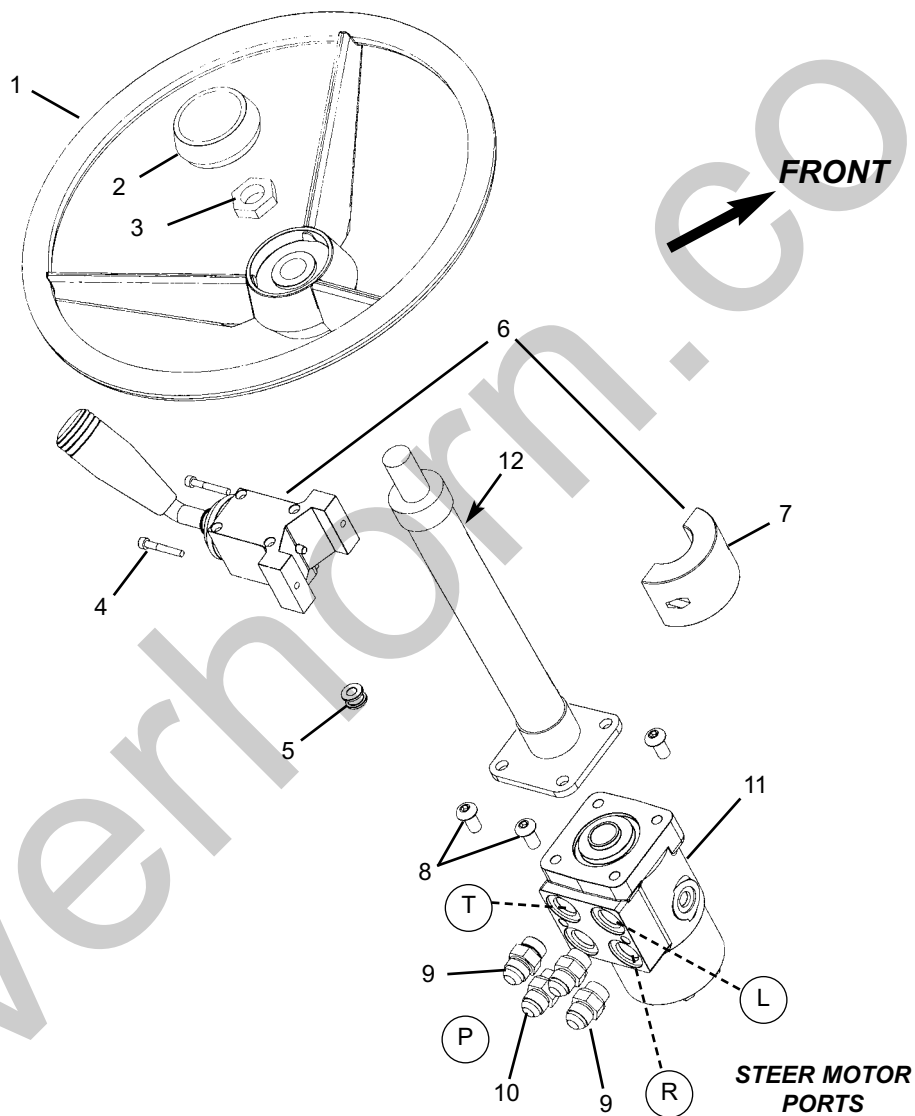
Heater (Option)



Heater (Option)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808318	HEATER ASSEMBLY 1 (Includes items 1-9)		06	808411	SWITCH, VARIABLE SPEED 1	
	808351	BLOWER MOTOR (only) 1		07	808600	1/4"-20X5/8" BUTTN HD BOLT... 10	
02	809192	GRILL, DEFROSTER 2		08	808496	VAVLE, WATER 1	
03	808324	INSTRUMENT PANEL 1		09	808412	LOUVER 1	
04	808325	DECAL, HEAT CONTROL 1		-- ITEMS NOT SHOWN--			
05	808352	CONTROL, TEMPERATURE 1		00	NSS	5/8" HEATER HOSE (10') 1	
	809165	KNOB ONLY AR		00	809193	HEATER HOSE CLAMP AR	

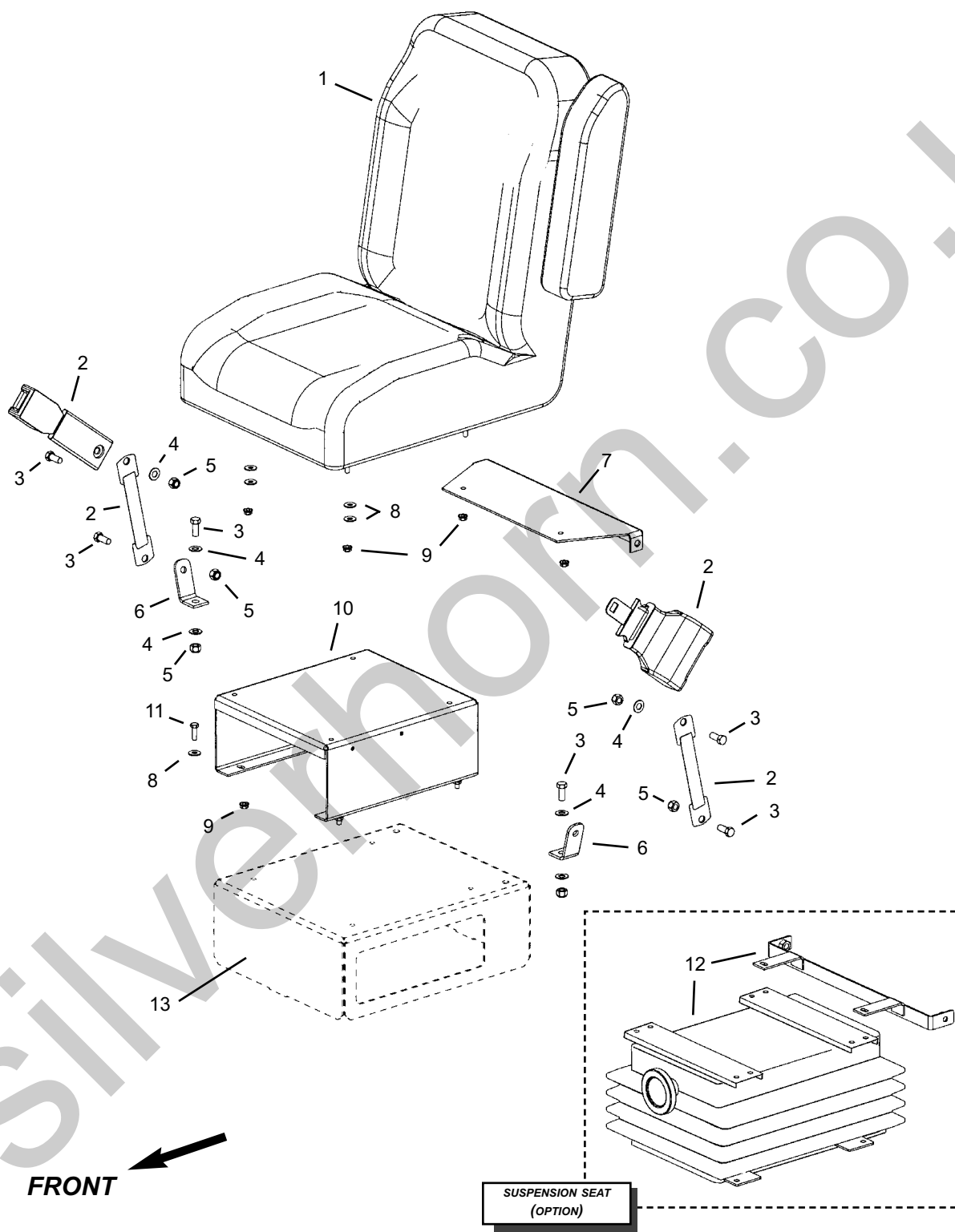
Steering Column and Shifter Group



Steering Column and Shifter Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808432	STEERING WHEEL (15")	1	09	808445	ADAP, -8ORM -8JICM STR.	3
02	808435	CAP, STEERING WHEEL	1	10	808763	CHECK VALVE	1
03	808436	NUT, STEERING WHEEL	1	11	808101	MOTOR, STEER	1
04	808586	M5X.8X35mm HX SKTHD BOLT . . .	2	12	808262	COLUMN, STEERING.	1
05	808830	RUBBER GROMMET	1				
06	808849	F-N-R/1-2-3 SHIFTER (includes #7)	1				
	809130	BOOT	1				
07	808833	CLAMP, SHIFTER(included w/ #6) .	1	00	808234	WIRE HARNESS, FNR SHIFTER. . .	1
08	808668	3/8"-16X1-1/4" BUTTN HD BOLT . .	4	00	808099	MODULE, F-N-R SHIFTER.	1
						-- ITEMS NOT SHOWN--	

Seat



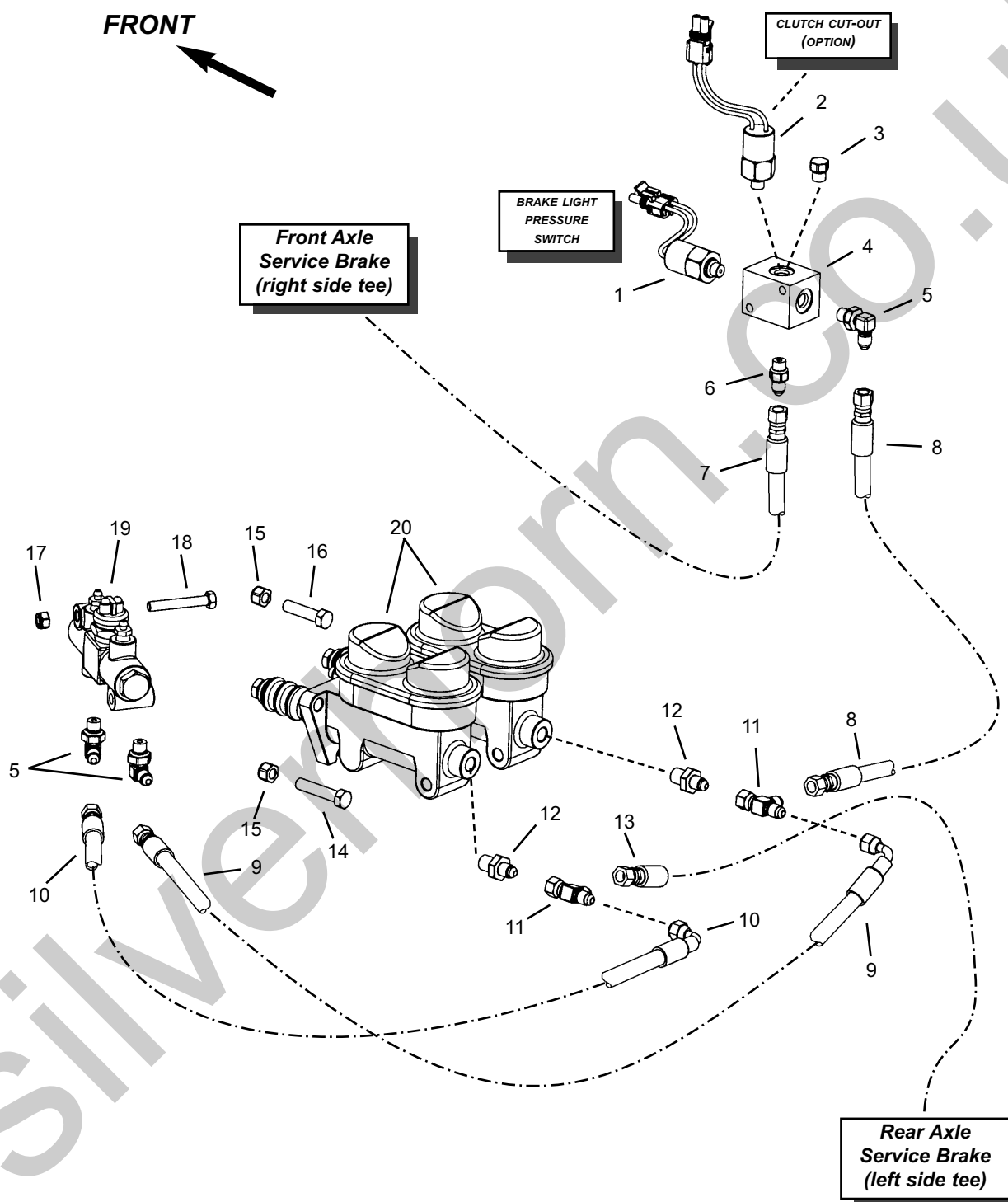
Seat

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808079	SEAT, OPERATOR'S	1	10 ^a	809195	SEAT RISER	1
	809194	ARM REST <i>(only)</i>	1	11	808640	5/16"-18X1" BOLT	AR
02	808914	SEAT BELT	1	12 ^b	808835	BELLOWS, SUSPENSION SEAT ..	1
		<i>(includes tethers)</i>				<i>(includes seatbelt / tether bracket)</i>	
03	808654	7/16"-20X1" BOLT	AR	13	808343	PEDESTAL	1
04	808598	7/16" FLAT WASHER	AR				
05	808625	7/16"-20 NYLON INSERT NUT ..	AR				
06	808899	BRACKET, TETHER	2				
07 ^a	808898	MOUNT, SEAT BELT	1				
08	808590	5/16" FLAT WASHER	AR				
09	808555	5/6"-18 NYLON INSERT NUT ...	AR				

a Used for standard seat only. Not used with suspension seat option.

b Used for suspension seat option only.

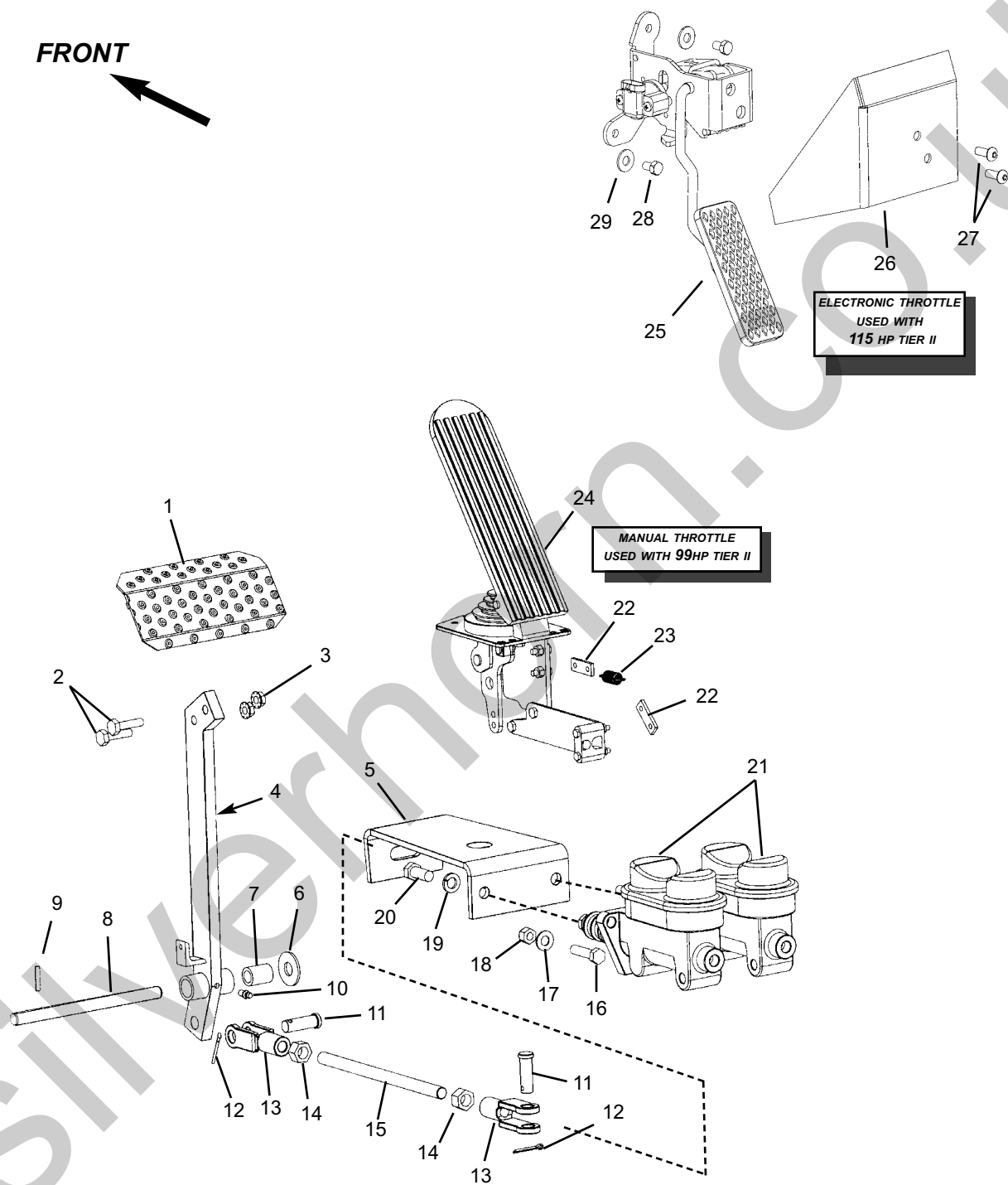
Brake Valve Group



Silverhorn.

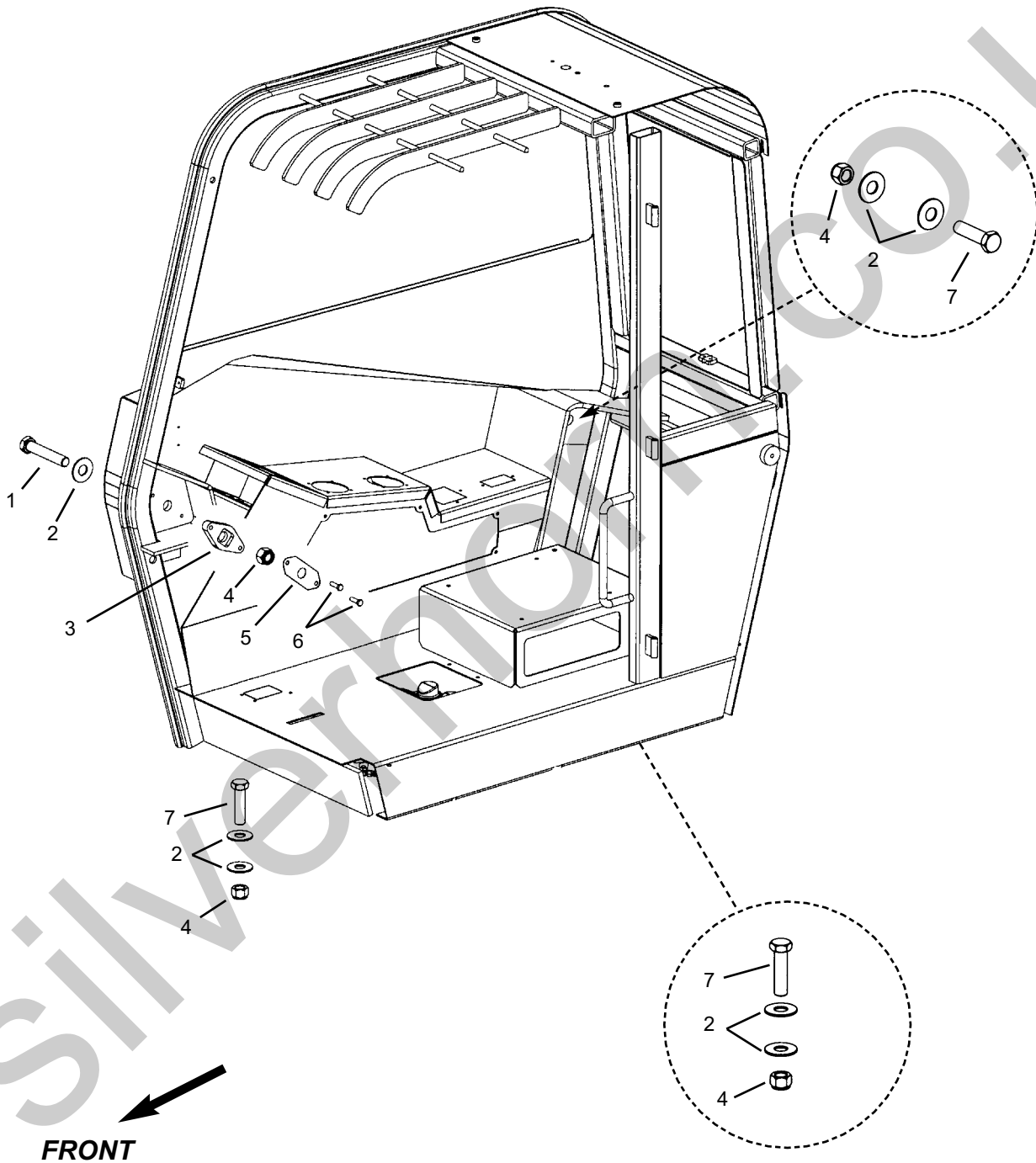
Brake and Accelerator Pedals

FRONT



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808711	PAD, BRAKE PEDAL	1	24 ^a	808848	PEDAL, ACCELERATOR	1
02	808604	5/16"-18X1-1/4" BOLT	2		808666	1/4"-20X1" BUTTN HD BOLT	3
03	808555	5/16"-18 FLANGE NUT	2		808545	1/4"-20 FLANGE NUT	3
04	808264	BRAKE LEVER ASSEMBLY	1		809073	BOOT	1
		(includes item 7)		25 ^b	808084	THROTTLE PEDAL, ELECTRONIC	1
05	808155	BRAKE LINKAGE, WLDMNT	1	26 ^b	808301	COVER, ELEC. THROTTLE	1
06	808595	1/2" FLAT WASHER	1	27 ^b	808667	5/16"-18X3/4" BUTTN HD BOLT	2
07	808474	BRONZE BUSHING	2		808671	5/16"-18 RETAIN/CLIP NUT	2
		(included with item 4)		28 ^b	808602	5/16"-18X3/4" BOLT	2
08	808154	PIN, BRAKE LEVER PIVOT	1	29 ^b	808590	5/16" FLAT WASHER	2
09	808632	ROLL PIN, .19X1	1				
10	808424	ZERK, GREASE 1/4"-28	1				
11	808466	PIN, CLEVIS 1/2"X27/64"	2				
12	808630	1/8"X1" COTTER PIN	2				
13	808675	YOKE, CLEVIS 1/2"-13	2				
14	808575	1/2"-13 NUT	2				
15	808156	ROD, BRAKE VALVE	1	00 ^a	808717	THROTTLE CABLE	1
16	808608	3/8"-16X1-1/2" BOLT	6		808772	COUPLER (John Deere)	1
17	808592	3/8" FLAT WASHER	6		808771	THROTTLE ROD (John Deere)	1
18	808663	3/8"-16 NYLON INSERT NUT	6				
19	808594	7/16" LOCK WASHER	2				
20	808654	7/16"-20X1" BOLT	2	00	808674	RETURN SPRING (Brake lever)	1
21	808714	VALVE, BRAKE MASTER CYL.	2			(attaches to item 4)	
22 ^a	808722	BRACKET, THROTTLE RETRN	2	a		Used when equipped with a 99 hp TIER II engine.	
23 ^a	808705	SPRING, CABLE TENSION	1	b		Used when equipped with a 115 hp TIER II engine.	

Cab Mounts

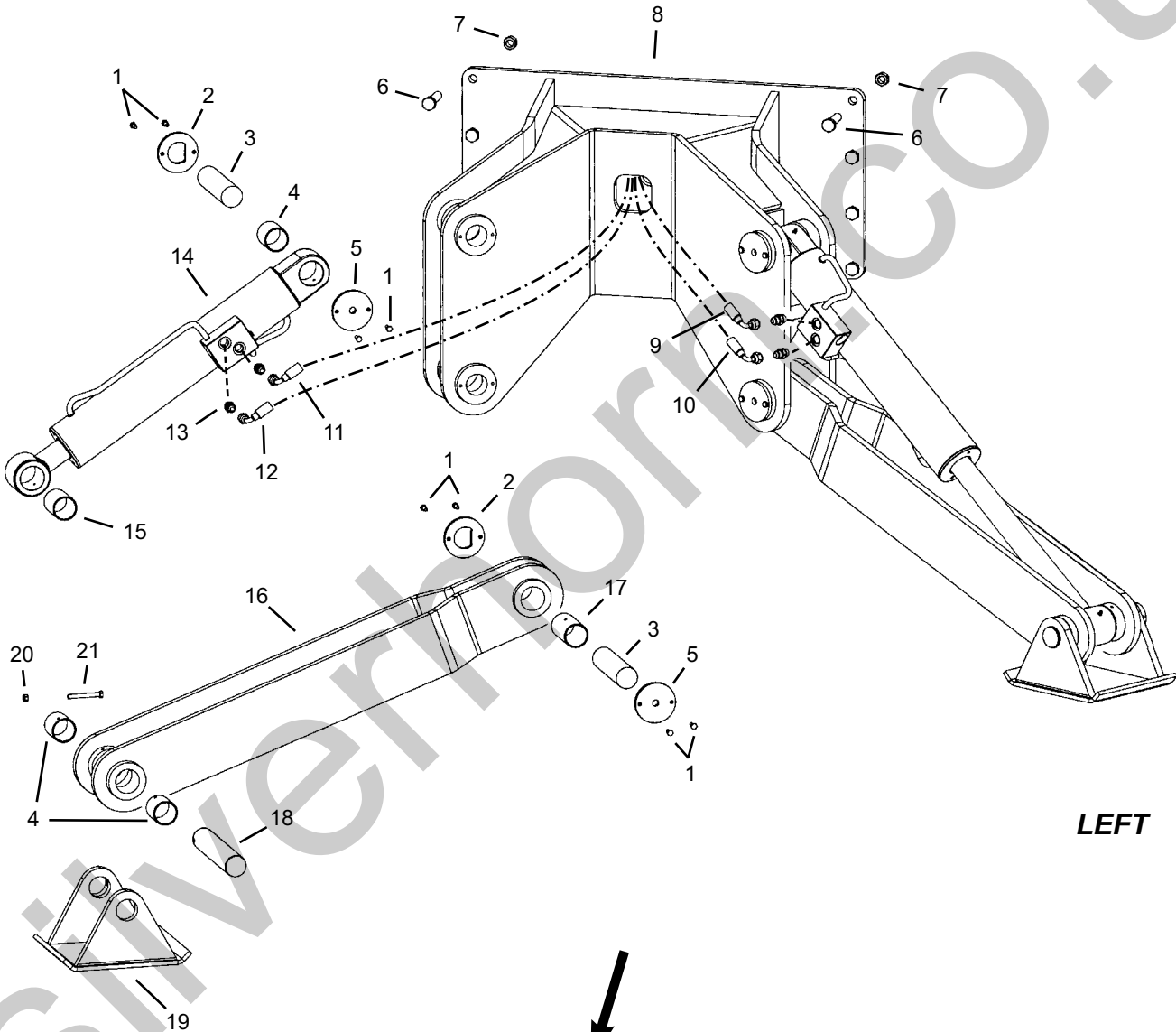


Cab Mounts

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809196	1"-8X5-1/2" GR8 BOLT	1	07	808309	1"-8X3-3/4" GR8 BOLT	3
02	809197	1" SAE FLAT WASHER.	7				
03	808259	RETAINER, CANOPY NUT	1				
04	809198	1"-8 CLASS C LOCK NUT	4				
05	808092	WASHER, CANOPY NUT	1	00	808733	-- ITEMS NOT SHOWN-- HOLE PLUG, 2-1/2" DIA	1
06	808621	3/8"-16X1-1/4" BOLT	2			(plugs hole in cab where side bolt attaches)	

Outrigger (Option)

RIGHT



LEFT

FRONT

Outrigger (Option)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808603	5/16"-18x3/4" BOLT	16	19	808783	WLDMNT, OUTRIGGER PAD	2
02	808874	CAP, PIN LOCK	4	20	808663	3/8"-16 CNTR LOCK NUT	2
03	808912	PIN, PIVOT	4	21	808610	3/8"-16X3" BOLT	2
04	808858	BUSHING	6				
05	808873	CAP, PIVOT PIN	4				
06	808620	3/4"-10X3" BOLT GR8	8				
07	808583	3/4"-10 STOVER LOCK NUT "C"	8				
08	808164	WLDMNT, OUTRIGGER MNT.	1				
09	808851	HOSE, -6 A8/DS8 54"	1				
10	808851	HOSE, -6 A8/DS8 54"	1				
11	808851	HOSE, -6 A8/DS8 54"	1				
12	808851	HOSE, -6 A8/DS8 54"	1				
13	808445	ADAP, -8ORM -8JICM STR.	4				
14 ^a	808910	CYLINDER, OUTRIGGER.	2				
15	808911	BUSHING	2				
16	808909	WLDMNT, OUTRIGGER LEG	2				
17	808908	BUSHING	2				
18	808784	PIN, PIVOT	2				

-- ITEMS NOT SHOWN --

00	808063	DECAL, OUTRIGGER CONTROL	1
00	808424	ZERK, GREASE 1/4-28 STR	AR

a Refer to Hydraulic Breakdown section for a listing of individual components.

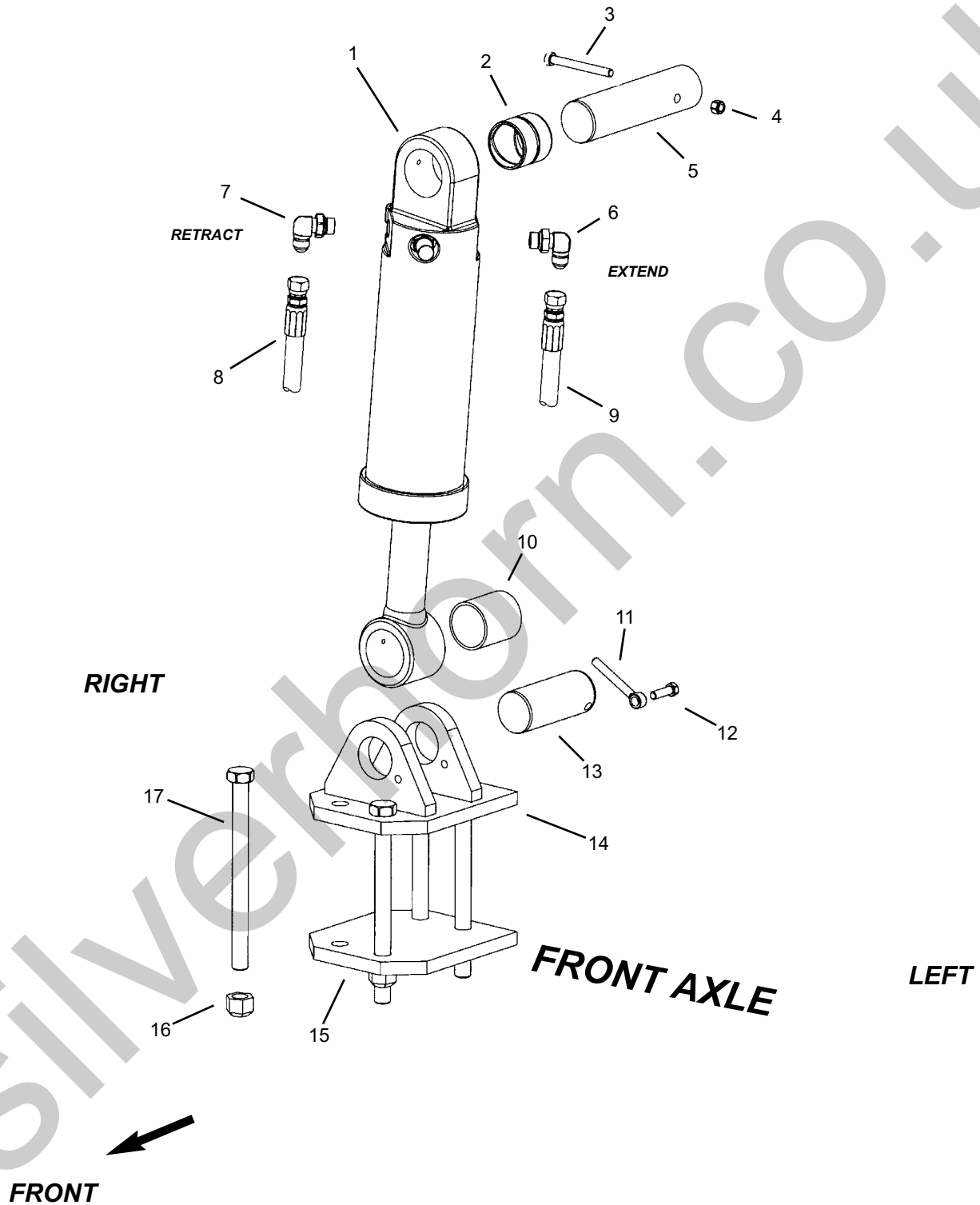
Note: Refer to Hydraulic Section for more information regarding the Outrigger control valve, hydraulic controller and components.

HOSE LOCATOR

09	OUTRIGGER CYLINDER "LEFT SIDE" (extend)	OUTRIGGER VAVLE LEFT SECTION (extend)
10	OUTRIGGER CYLINDER "LEFT SIDE" (retract)	OUTRIGGER VAVLE LEFT SECTION (retract)
11	OUTRIGGER CYLINDER "RIGHT SIDE" (extend)	OUTRIGGER VAVLE RIGHT SECTION (extend)
12	OUTRIGGER CYLINDER "RIGHT SIDE" (retract)	OUTRIGGER VAVLE RIGHT SECTION (retract)

Note: For more information on hose routing for the Outrigger Option, refer to the Outigger - Main Valve / Controller pages located in the Hydraulic Section of this manual.

Frame Level Cylinder Group



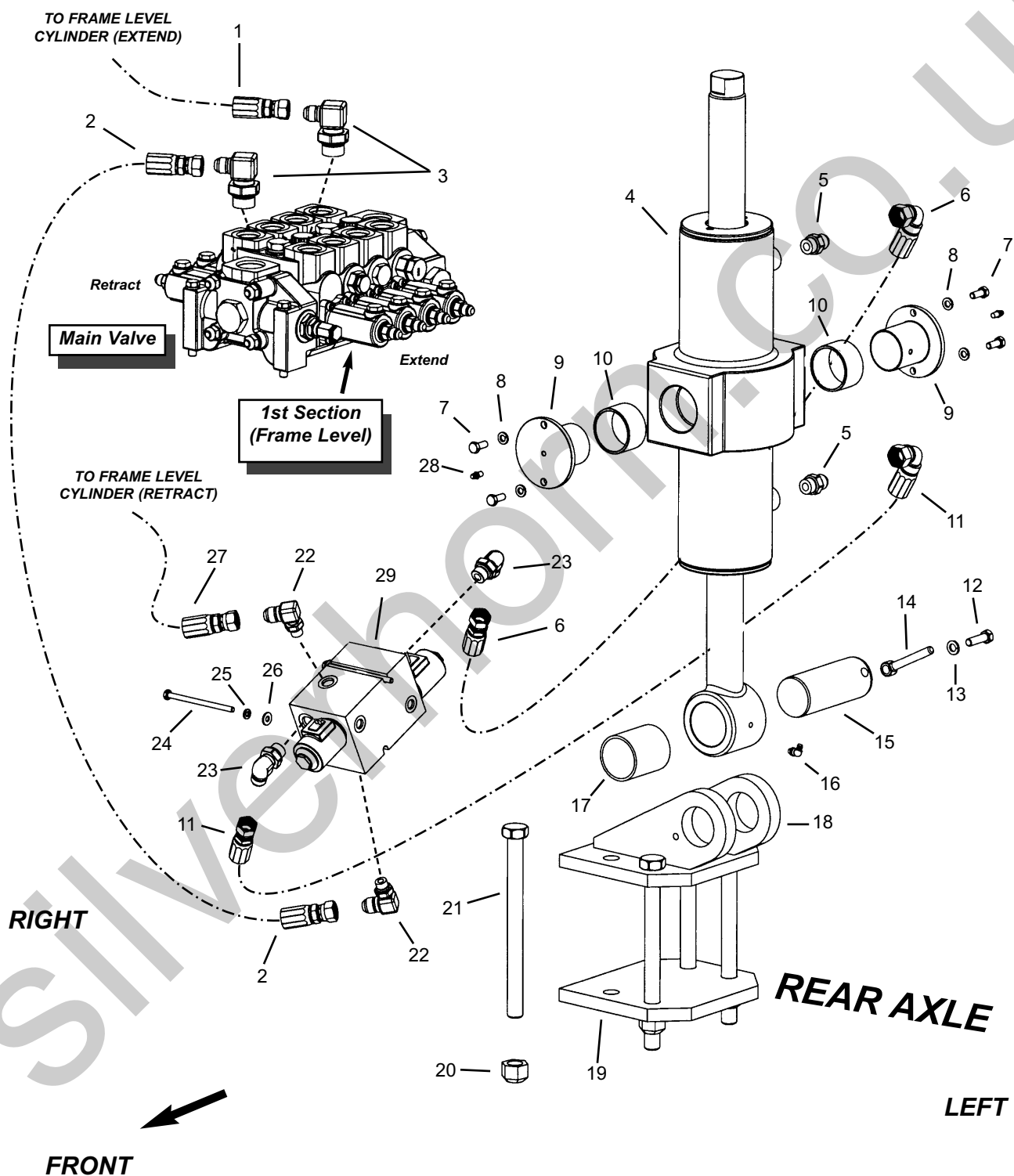
Frame Level Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808304	LEVEL CYLINDER	1	10	808708	BRONZE BEARING	1
02	808756	BRONZE BEARING	1	11	808855	LOCK, PIVOT PIN.....	1
03	808611	3/8"-16X3-1/2" BOLT	1	12	808621	3/8"-16X1-1/4" BOLT	1
04	808663	3/8"-16 NYLON INSERT NUT.....	1	13	808856	PIVOT PIN (<i>rod end</i>).....	1
05	808712	PIN, CYLINDER (<i>base end</i>)	1	14	808109	FRAME LEVEL MOUNT	1
06	808803	ADAP, W/ORIFICE -8ORM -8JICM. 1		15	809199	PLATE, FRAME LEVEL.....	1
07	808454	ADAP, -8ORM -8JICM 90 DEG....	1	16	808583	3/4"-10 STOVER NUT	4
08	808297	HOSE, -8 A8/A8 168"	1	17	808634	3/4"-10X9" GR8 BOLT	4
09	808302	HOSE, -8 A8/A8 190"	1				

HOSE LOCATOR

08	FRAME LEVEL CYLINDER "OUTSIDE" (<i>retract</i>)	STABILIZING CYL MANIFOLD "TOP PORT" (<i>located on left inside rear of frame</i>)
09	FRAME LEVEL CYLINDER "INSIDE" (<i>extend</i>)	MAIN VALVE (<i>1st section - right side</i>)

Frame Stabilizing Cylinder Group



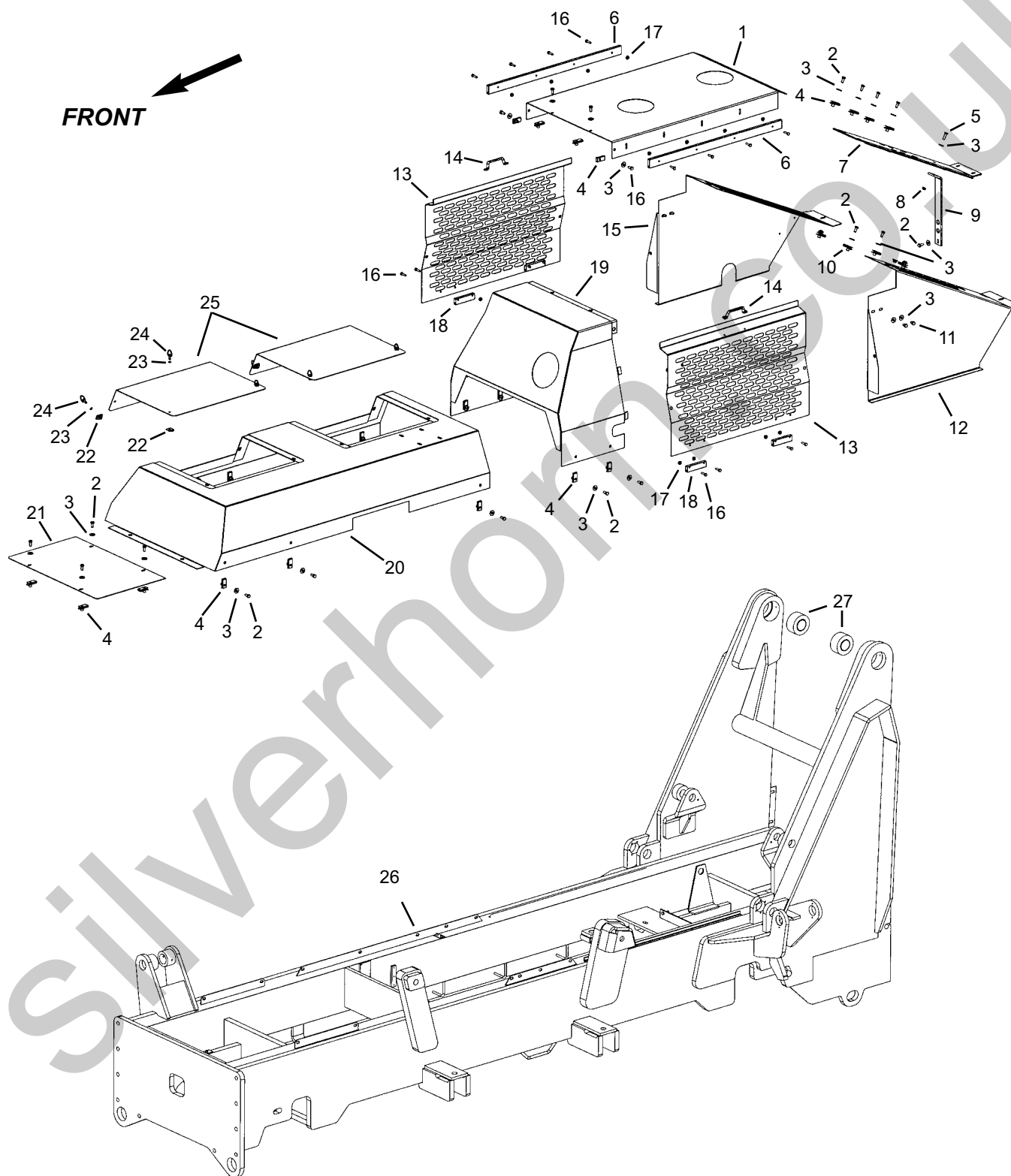
Frame Stabilizing Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808302	HOSE, -8 A8/A8 190"	1	16	808423	1/4"-28 GREASE ZERK 90 DEG. . .	1
02	809200	HOSE, -8 A8/A8 26"	1	17	808858	BUSHING (<i>rod end</i>).	1
03	808458	ADAP, -12ORM -8JICM 90	2	18	808118	STABILIZER CYL MOUNT	1
04	808117	FRAME STABILIZER CYLINDER . .	1	19	809199	MOUNT PLATE	1
05	808445	ADAP, -8ORM -8JICM STR.	2	20	808583	3/4-10 NUT GR8	4
06	808295	HOSE, -8 A8/DS8 46"	1	21	808634	3/4-10X9" GR8 BOLT	4
07	808603	5/16"-18X3/4" BOLT	4	22	808660	ADAP, -6ORM -8JICM 90 DEG. . .	2
08	808591	5/16" LOCK WASHER.	4	23	808454	ADAP, -8ORM -8JICM 90 DEG. . .	2
09	808879	TRUNNION PIVOT PIN.	2	24	809201	1/4"-20X4" BOLT GR5.	1
10	808878	BUSHING	2	25	808589	1/4" LOCK WASHER.	1
11	808295	HOSE, -8 A8/DS8 46"	1	26	808588	1/4" FLAT WASHER	1
12	808621	3/8"-16x1-1/4" BOLT	1	27	808297	HOSE, -8 A8/A8 168"	1
14	808855	LOCK, PIVOT PIN.	1	28	808424	1/4"-28 GREASE ZERK STR	1
15	808856	LEVEL CYL. PIN (<i>rod end</i>)	1	29	808305	MANIFOLD, STABLIZING CYL. . . .	1

Hose Locator

Ref No.	From Port	To Port
01	MAIN VALVE, 1ST SECTION (<i>extend</i>)	FRAME LEVEL CYLINDER "INSIDE" (<i>extend</i>)
02	MAIN VALVE, 1ST SECTION (<i>retract</i>)	STABILIZING CYL. MANIFOLD "BOTTOM" (<i>retract</i>)
06	STABILIZING CYL. MANIFOLD "REAR"	STABILIZING CYLINDER "TOP PORT"
11	STABILIZING CYL. MANIFOLD "FRONT"	STABILIZING CYLINDER "BOTTOM PORT"
27	STABILIZING CYL. MANIFOLD "TOP"	FRAME LEVEL CYLINDER "OUTSIDE" (<i>retract</i>)

Chassis Hoods, Covers and Frame

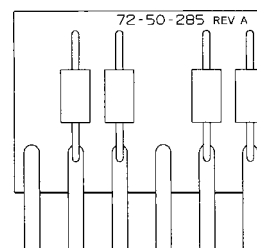


Chassis Hoods, Covers and Frame

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808814	HOOD, TOP.....	1	21	808135	FRONT FRAME COVER.....	1
02	808603	5/16"-18X3/4" BOLT.....	AR	22	808699	FASTENER RECEPTACLE....	AR
03	808590	5/16" FLAT WASHER.....	AR	23	808698	FASTENER RETAINER.....	AR
04	808671	5/16" RETAINED NUT CLIP....	AR	24	808697	FASTENER STUD.....	AR
05	808640	5/16"-18X1" BOLT.....	AR	25	808816	COVER, ACCESS.....	2
06	808801	GUIDE, NYLATRON 28".....	2	26	808683	FRAME.....	1
07	808237	BULKHEAD PLATE WELDMENT..	1	27	808950	BEARING, SELF ALIGNING.....	2
08	808662	5/16" NYLON INSERT NUT.....	AR				
09	808132	SUPPORT, BULKHEAD PANEL...	1				
10	808671	5/16" RETAINED NUT CLIP....	AR				
11	808602	5/16"-18X1/2" BOLT.....	AR				
12	808680	PANEL, RADIATOR (<i>left side</i>)....	1	00	808230	WIRE HARNESS, FRAME.....	1
13	808847	PANEL, ENGINE.....	2				
14	808774	HANDLE, HOOD.....	2		808808	DIODE PACK, 4 DIODES.....	1
15	808682	PANEL, RADIATOR (<i>right side</i>)....	1				
16	808601	1/4"-20X1" BOLT.....	AR		808500	60 AMP MAXI FUSE.....	1
17	808545	1/4"-20 WHIZ LOCK NUT.....	AR				
18	808775	GUIDE, NYLATRON 4".....	4				
19	808776	MID HOOD WELDMENT.....	1	00	808437	HORN.....	1
20	808136	FRONT HOOD WELDMENT.....	1	00	808707	GROUND STRAP.....	1

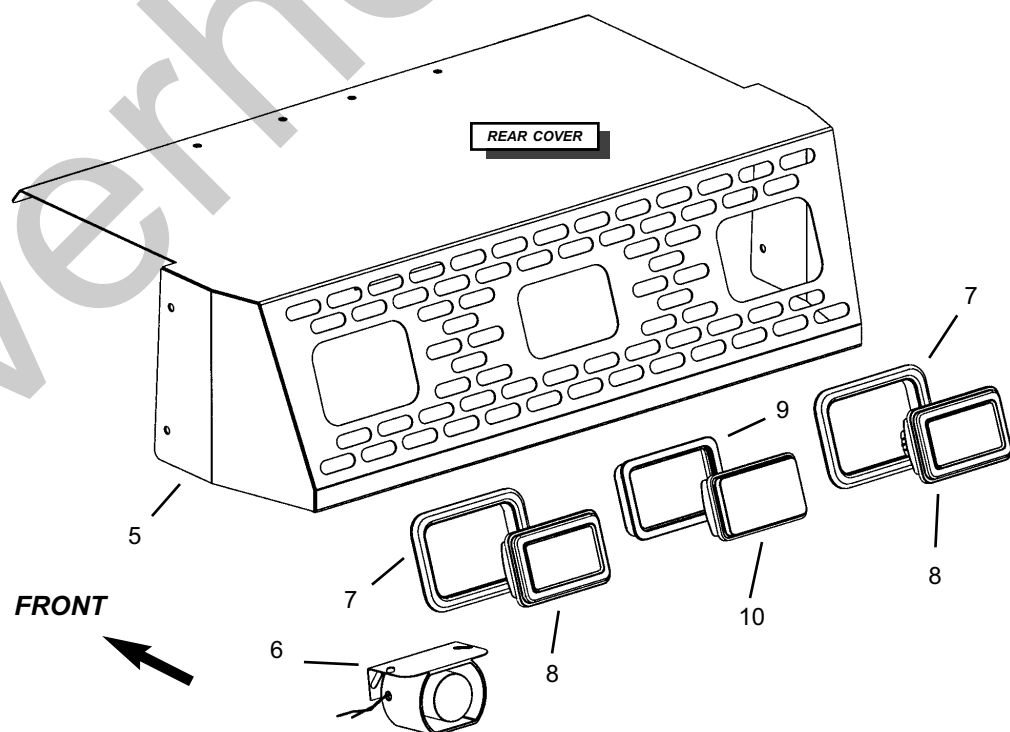
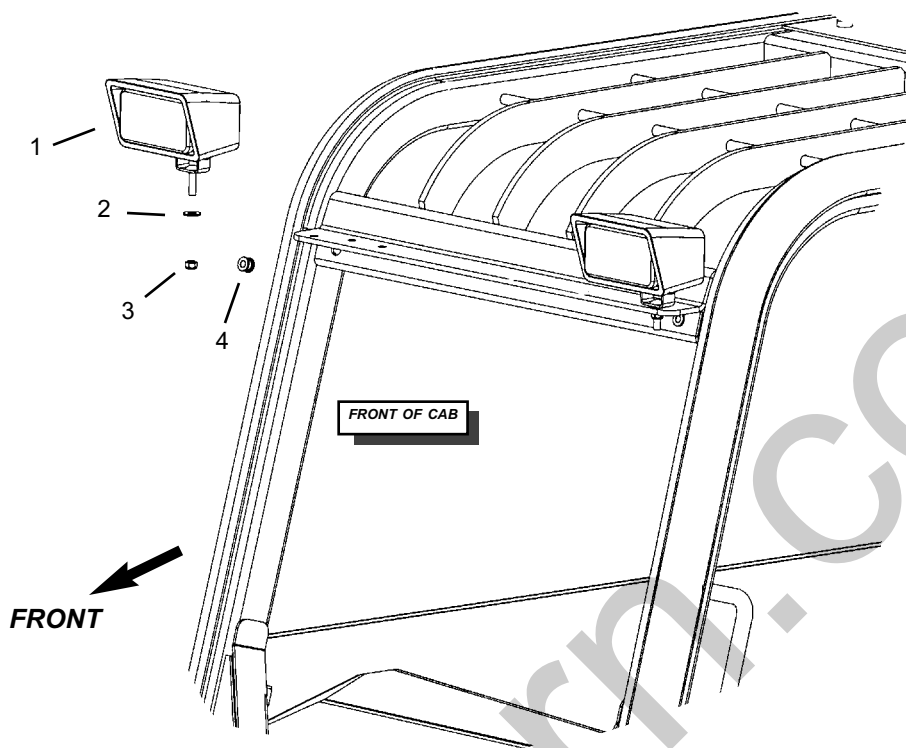
-- ITEMS NOT SHOWN --

- 00 808230 WIRE HARNESS, FRAME..... 1
(includes the following diode and fuse):
- 808808 DIODE PACK, 4 DIODES..... 1
(located under chassis cover just in front of transmission)
- 808500 60 AMP MAXI FUSE..... 1
(located near engine starter)
- 00 808437 HORN..... 1
- 00 808707 GROUND STRAP..... 1



808808
 DIODE PACK
 LOCATED UNDER
 TRANS. HOOD

Front and Rear Lights



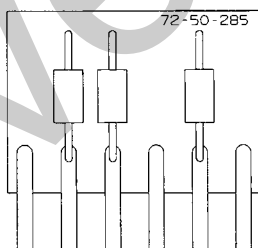
Front and Rear Lights

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808889	HEAD LIGHT	2	00	808735	TURN SIGNAL FLASHER	1
02	808592	3/8" FLAT WASHER	2			(located under dash through joystick access cover)	
03	808663	3/8"-16 NYLON INSERT NUT	2	00	808901	HARNESS, HEAD LIGHT	2
04	808341	GROMMET	2			(dash to head lights)	
05	808137	COVER, REAR	1	00	808344	GROMMET	2
06	808897	BACKUP ALARM	1			(under dash for head light harness)	
	808600	1/4"-20X5/8" BOLT, BTNHEAD	2				
	808545	1/4"-20 FLANGE NUT	2				
07	808505	BEZEL, RUBBER	2				
		(included with item #04)		a		Standard wire harness, used when not equipped with turn signals.	
08	808919	LIGHT, BRAKE/TURN	2				
		(includes item #03 bezel)		b		Used with optional light package for units equipped with turn signals. Wire harness 808232 is not used when unit is equipped with turn signals.	
09	808558	BEZEL, RUBBER	1				
		(included with item #06)					
10	808936	LIGHT, HALOGEN BACKUP	1				
		(includes item #05 bezel)					
	808078	JUMPER WIRE, BACKUP LIGHT	1				

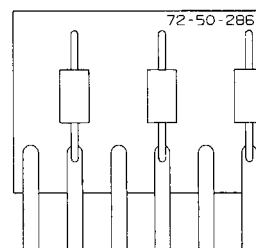
Note: Refer to the Outer Boom - Front Section for the work lights and wire harness associated with the boom.

-- ITEMS NOT SHOWN --

00 ^a	808232	WIRE HARNESS, REAR LIGHTS	1
00 ^b	808166	HARNESS, LIGHT PACKAGE	1
		(dash to rear lights - includes the following diodes:)	
	808396	DIODE PACK (see below)	1
	808577	DIODE PACK (see below)	1
	808576	CLEAR COVER, DIODE PACK	2

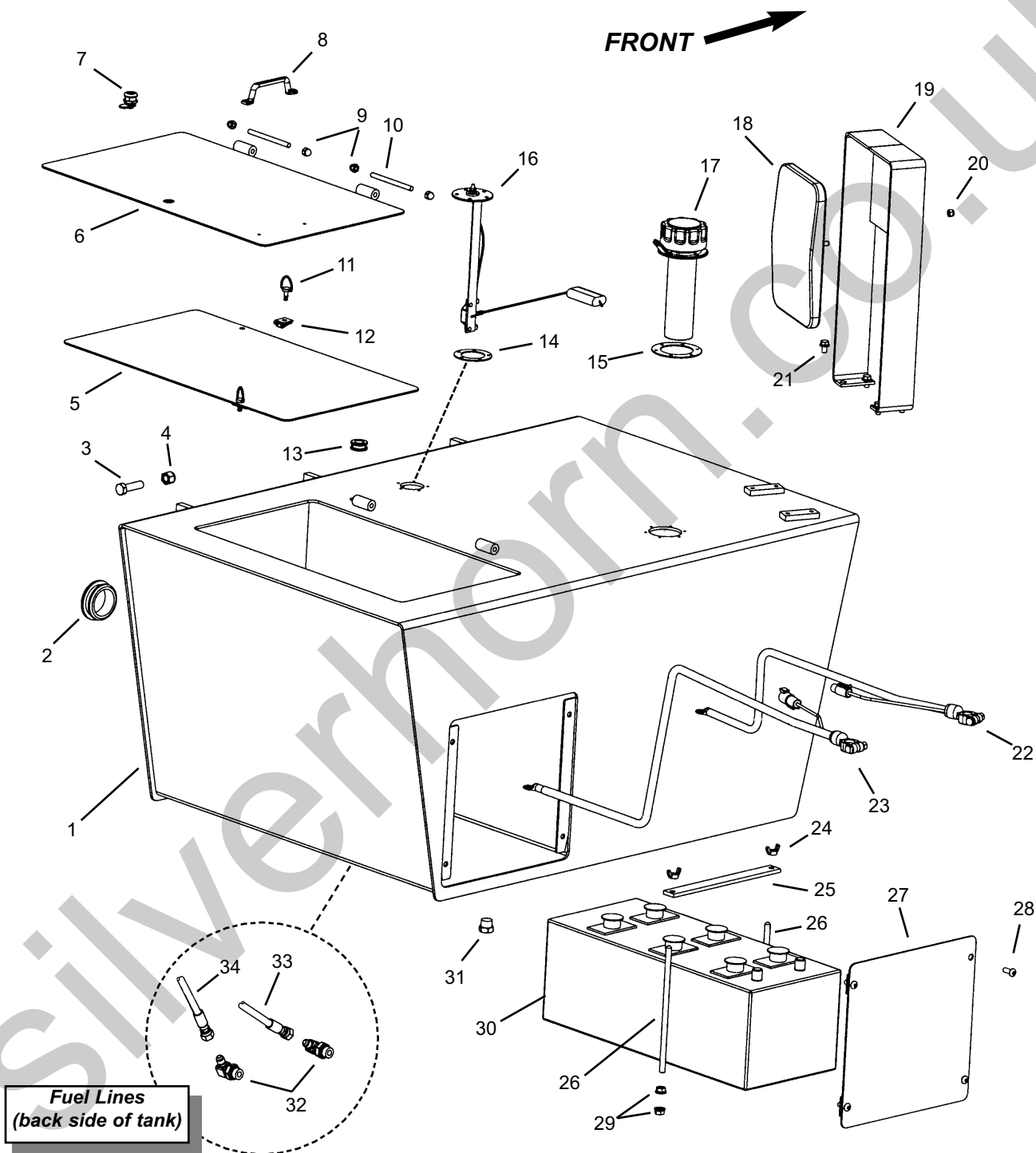


808396
DIODE PACK
LOCATED NEAR
REAR LIGHTS



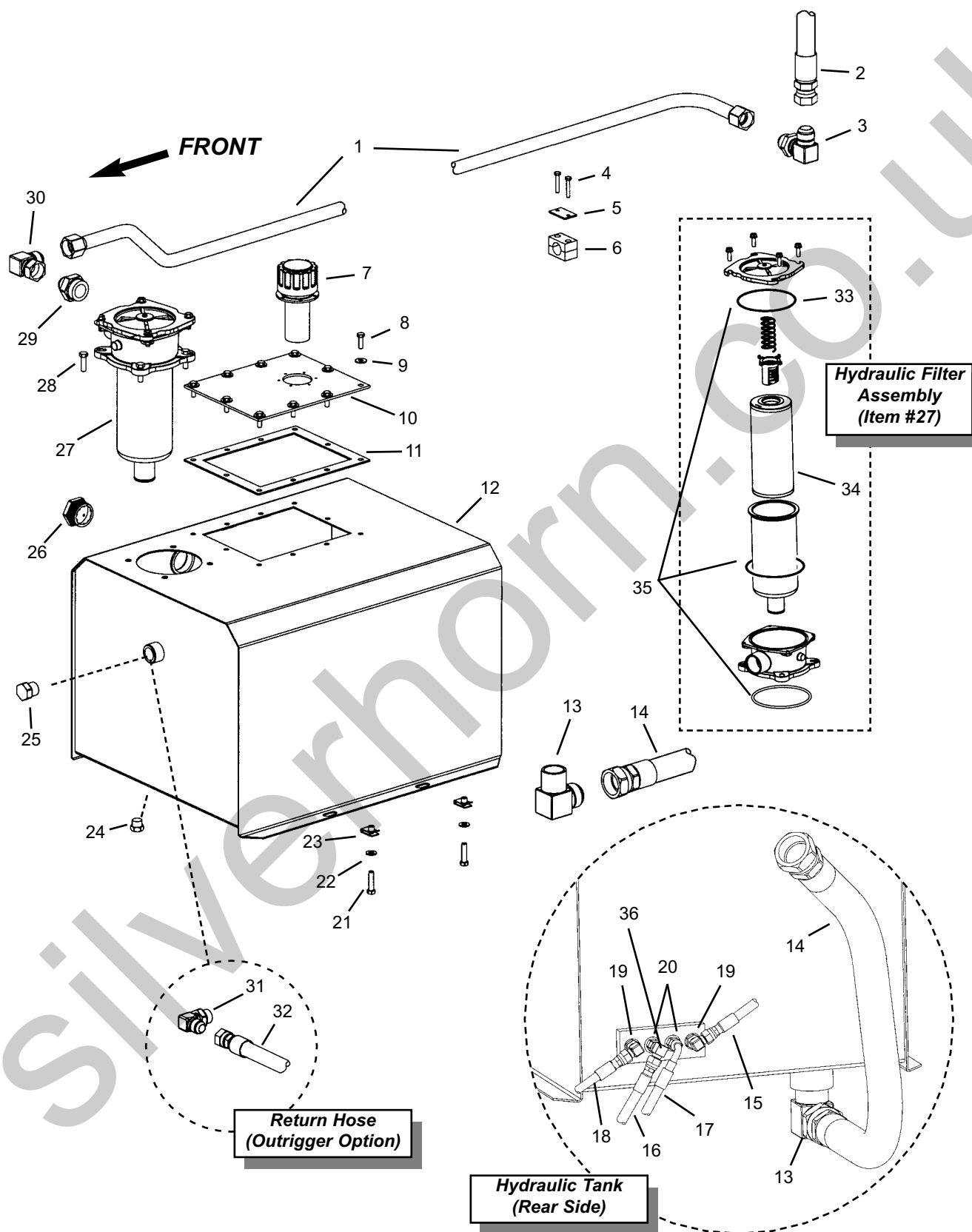
808577
DIODE PACK
LOCATED UNDER DASH
NEAR SWITCHES

Fuel Tank / Battery Group



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808147	WELDMENT, FUEL TANK	1	22		CABLE, NEG BATTERY	1
02	808091	GROMMET, FUEL TANK	1		808104	Note a	
03	808612	1/2"-13X1-3/4" BOLT	6		808706	Note b	
04	808665	1/2"-13 NYLON INSERT NUT	6	23		CABLE, POS BATTERY	1
05	808088	PLATE, TOOLBOX BOTTOM	1		808105	Note a	
06	808148	TOOLBOX COVER, WELDMENT.	1		808755	Note b	
	808507	GASKET, 1/8"X1/2"X60"	1	24	808670	3/8"-16 WINGNUT	2
07	808900	CAMLOCK	1	25	808686	BATTERY HOLDDOWN BAR	1
	809106	KEY ONLY (<i>stamped CH751</i>)	1	26	808896	ROD, BATTERY HOLDDOWN	2
08	808774	HANDLE, HOOD	1	27	808087	PLATE, BATTERY ACCESS	1
	809108	#10-32X1/2" RND HD SCREW	2	28	808667	5/16"-18X3/4" BHSCS	4
	808544	#10-32 NUT	2	29	808559	3/8"-16 FLANGE NUT	4
09	808637	5/16"-18 ACORN NUT	AR	30	NSS	12VDC BC1 4DLT BATTERY	1
10	808773	STUD, HINGE	2	31	808462	ADAP, PLUG -8 ORING SAE	1
11	808697	FASTNER, STUD	2	32	808457	ADAP, -8ORM -6JICM 90	2
	808698	FASTENER, RETAINER.	2	33	809109	HOSE, 3/8" X 73" (<i>supply</i>)	1
12	808699	FASTENER, RECEPTACLE	2	34	808298	HOSE, 1/4" X 73" (<i>return</i>)	1
13	808718	GROMMET	1				
14	808439	GASKET, SENDER	1				
15	NSS	GASKET, FUEL CAP ASSEMBLY.	1				
16	808694	SENDER/FUEL LEVEL	1	00	808707	GROUND STRAP	1
		(<i>includes #14 Gasket</i>)					
17	808732	CAP/FUEL ASSEMBLY	1	a		When equipped with a 115 HP Tier II engine.	
18	808731	MIRROR, 6.5X10 CONVEX	1			(equipped with an electronic throttle pedal)	
19	808736	MIRROR BRACKET	1				
20	808661	1/4" NYLON INSERT NUT	1	b		When equipped with a 99 HP Tier II engine.	
21	808072	5/16"x1/2 FLAT LOCK BOLT	4			(equipped with a manual throttle pedal)	

Hydraulic Tank Group



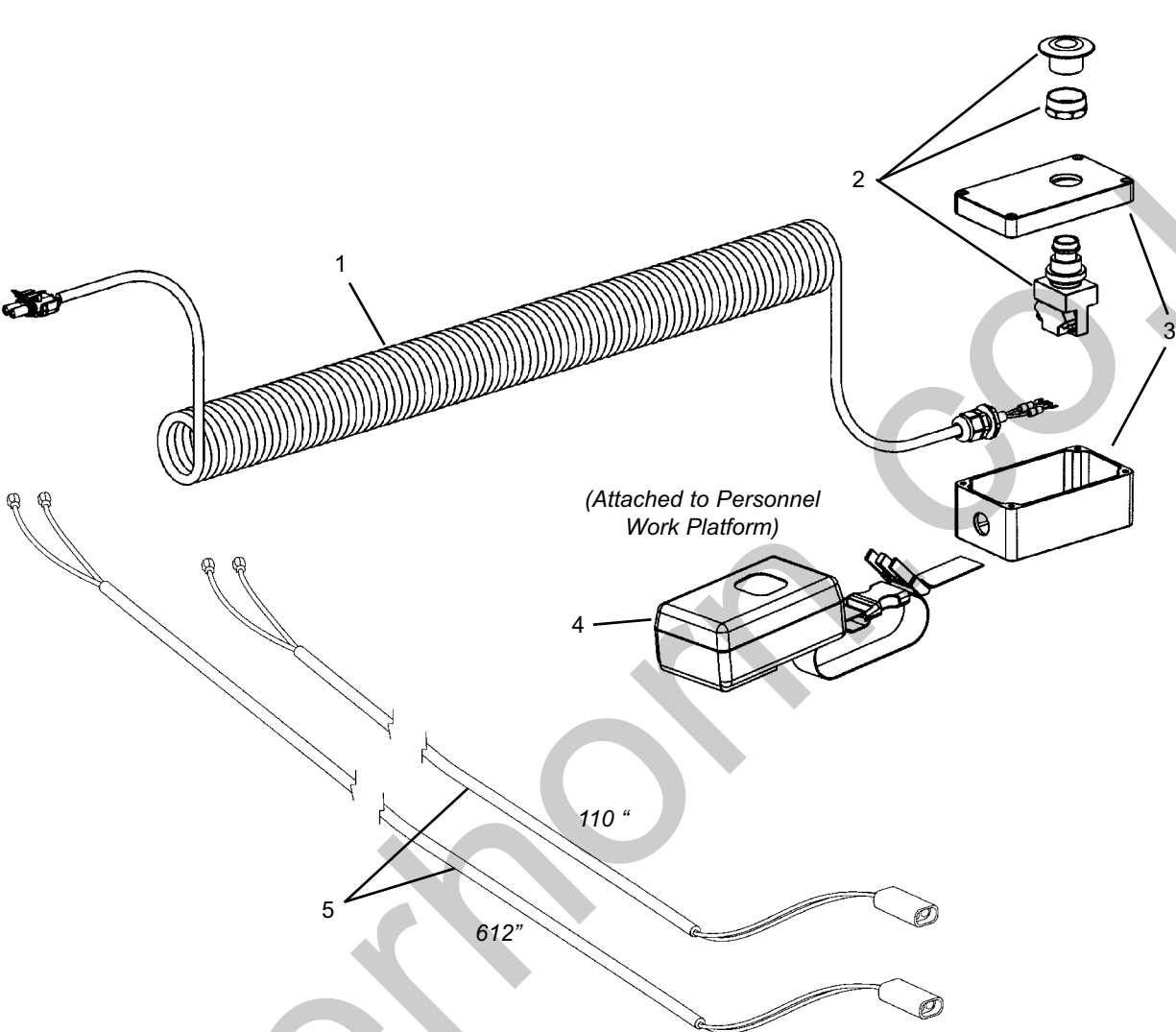
Hydraulic Tank Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808768	TUBE ASSEMBLY	1			(Includes items 33-35)	
02	809110	HOSE, -16 A16/A16 20"	1	28	808621	3/8"-16X1-1/4" BOLT	4
03	809111	ADAP, -16JICM BLKHEAD 90.	1	29	809175	ADAP, -20ORM -16JICM STR.	1
04	809112	1/4"-20X1-1/2" BOLT	2	30	808780	ADAP, -16JICM -16JICFS 90	1
05	808153	PLATE, TOP CUSHION.	1	31 ^b	808453	ADAP, -12ORM -12JICM 90	1
06	808152	CLAMP, CUSHION TUBE	1	32 ^b	808267	HOSE, -12 A12/DS12 30"	1
07	809170	FILL CAP ASSEMBLY	1	33	808339	O-RING, FILTER	1
08	808640	5/16"-18X1" BOLT	10	34	808005	HYDRAULIC FILTER ELEMENT.	1
09	808590	5/16" FLAT WASHER	10	35	808340	SEAL KIT (three o-rings)	1
10	808788	ACCESS COVER	1			(includes item 33)	
11	808789	GASKET	1	36	808679	ADAP, -6JICM -6JICFS 90	1
12	808110	HYDRAULIC TANK.	1			-- ITEMS NOT SHOWN --	
13	808440	ADAP, -24JICM 24NPTM 90.	1			(located inside hydraulic tank)	
14	808713	HOSE, -24 A24/A24 35"	1				
15	808326	HOSE, -4 A6/DS6 18"	1				
16	808853	HOSE, 4 A6/DS6 20"	1				
17	808282	HOSE, -4 A6/D6 35"	1	00	809202	ADAP, 1-1/2" NPT 90 ELBOW	1
18	808716	HOSE, -6 A6/DS8 52"	1	00	808690	ADAP, 1-1/2" PIPE NIPPLE.	1
19	808455	ADAP, -6ORM -6JICM 90 DEG.	2	00	808006	STRAINER, HYD. OIL	1
20	808443	ADAP, -6ORM -6JICM STR.	2				
21	808608	3/8"-16X1-1/2" BOLT	2				
22	808592	3/8" FLAT WASHER	2				
23	808793	3/8"-16 RETAINED NUT	2				
24	808462	PLUG, -8 ORING SAE.	1	a		Not used when equipped with outriggers.	
25 ^a	809113	PLUG, -12 ORING SAE.	1	b		Used when equipped with outriggers.	
26	808410	SIGHT GLASS.	1				
27	808100	FILTER ASY.	1				

HOSE LOCATOR

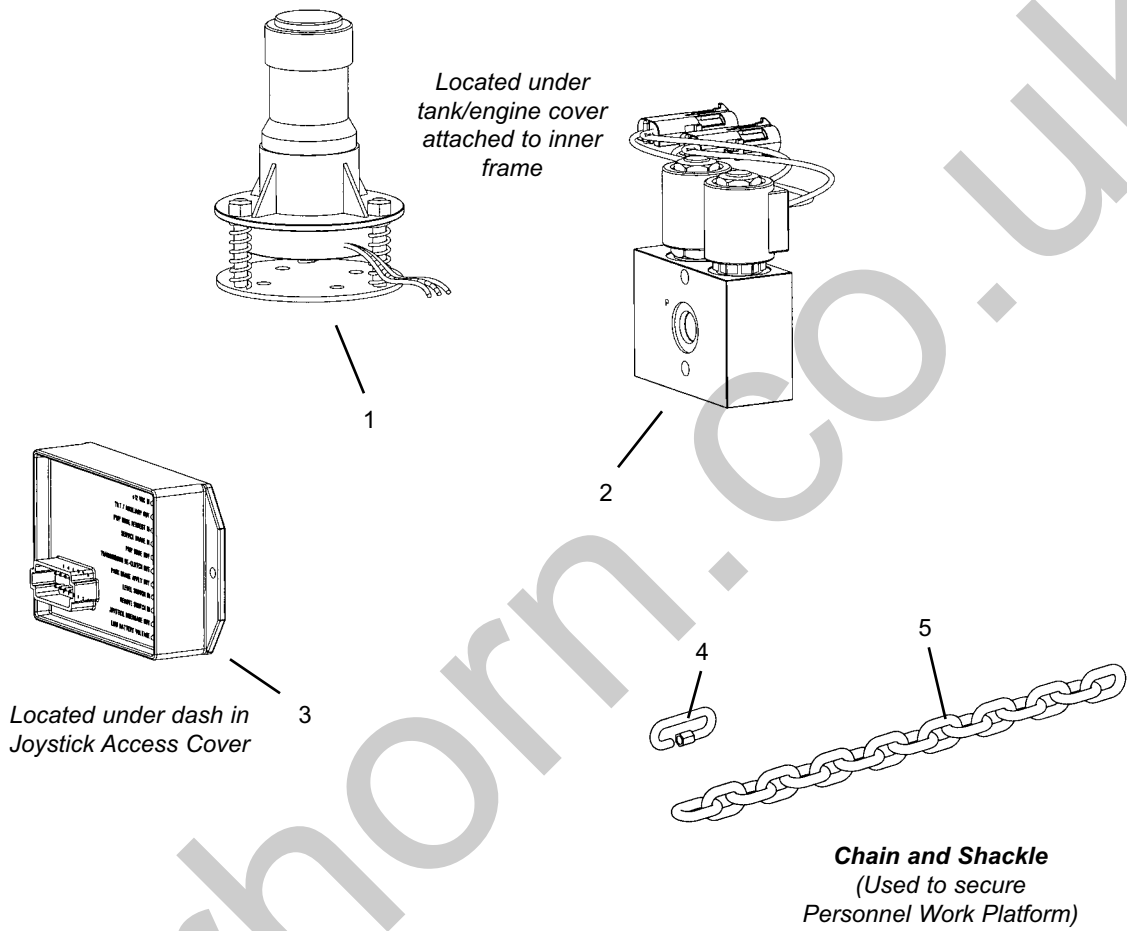
02	HYDRAULIC TUBE (from hyd. tank)	BULKHEAD then HYD. COOLER "UPPER"
14	HYDRAULIC TANK (bottom)	HYDRAULIC PUMP "IN"
15	HYDRAULIC TANK RETURN (return manifold)	FLOW DIVIDER "T"
16	HYDRAULIC TANK RETURN (return manifold)	PRIORITY VALVE "T"
17	HYDRAULIC TANK RETURN (return manifold)	JOYSTICK (lift/extend controller) "T"
18	HYDRAULIC TANK RETURN (return manifold)	STEER MOTOR "T"
32	HYDRAULIC TANK RETURN (front)	OUTRIGGER VALVE "OUT" (return to tank)

Work Platform System Group



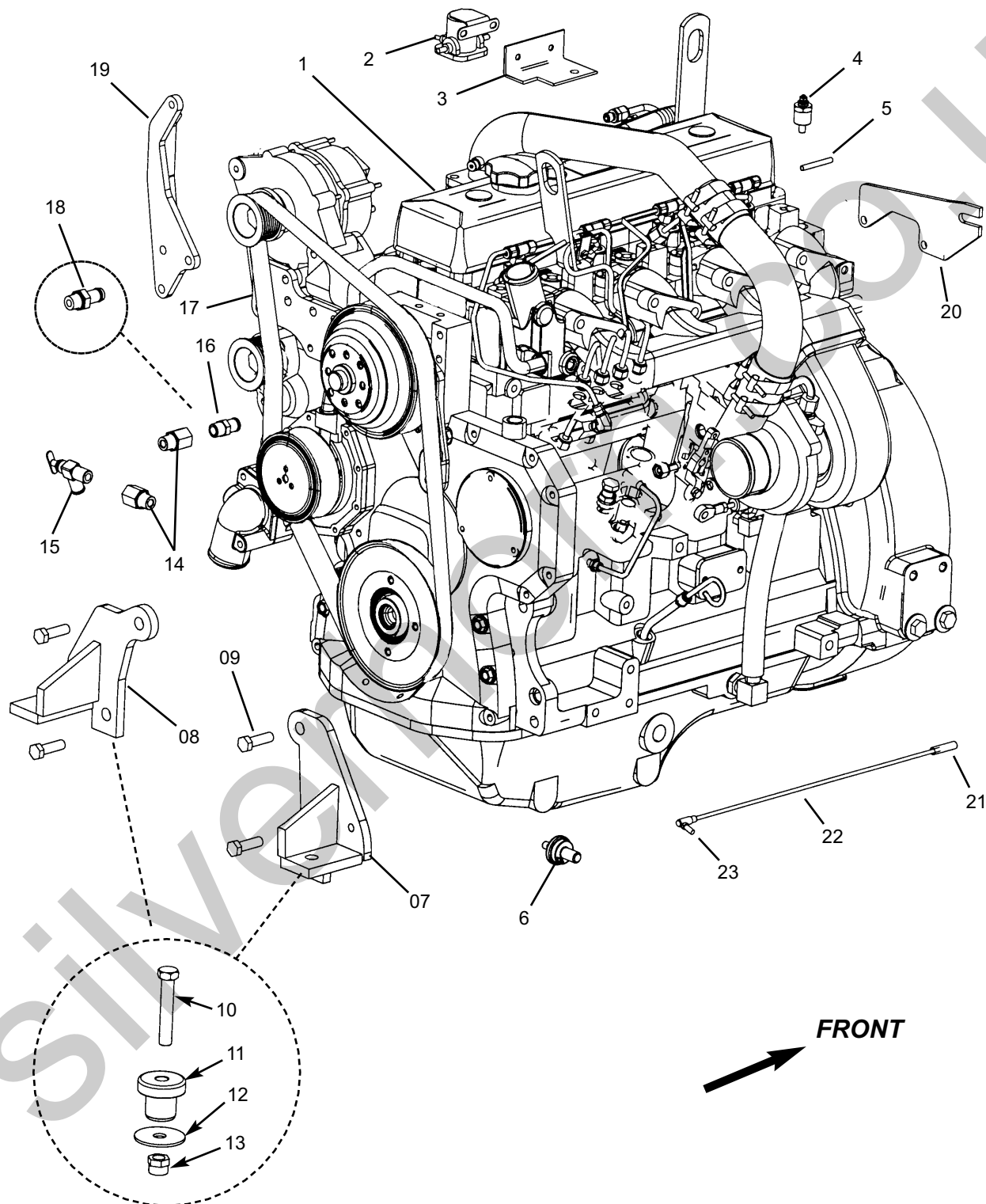
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808942	REMOTE SWITCH W/CABLE. 1 (Includes item 1-4)		04	808944	REMOTE SWITCH POUCH 1	
01	808131	CABLE ASSEMBLY 1		05	808943	REMOTE SWITCH HARNESS 1 (Consists of two cables)	
02	808941	REMOTE STOP SWITCH 1					
03	808940	REMOTE SWITCH ENCLOSURE.. 1					

Work Platform System Group



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808935	LEVEL SENSOR	1	-- ITEMS NOT SHOWN --			
02	808127	MANIFOLD, WPS JOYSTICK	1	00	808938	WPS SWITCH (located on dash) . .	1
03	808939	WPS CONTROL MODULE	1	00	808233	WPS WIRE HARNESS	1
04 ^a	808946	5/16" CHAIN SHACKLE	1				
05 ^a	808945	5/16" CHAIN GR40 16 LINKS	1	a	Chain shackle and chain are used to secure the Personnel Work Platform.		

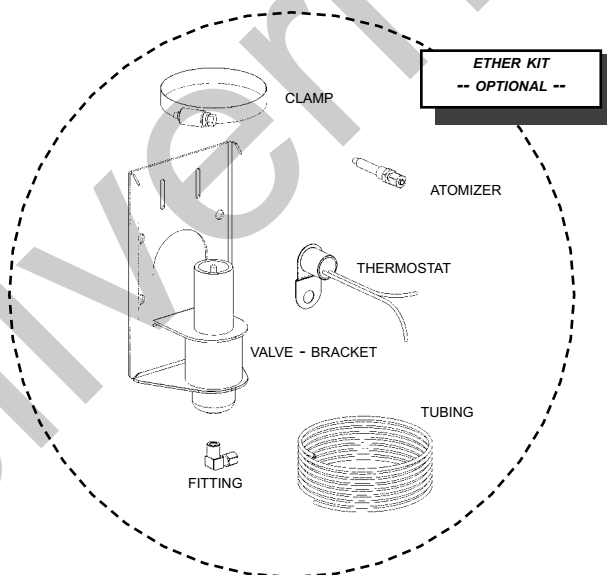
Engine - External Components



Engine - External Components

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	NSS	ENGINE, JD 4045T	1	-- ITEMS NOT SHOWN --			
02	808434	RELAY, ENGINE STARTER	1	00	808798	ENGINE BLOCK HEATER (opt.) . . .	1
03		MOUNT, RELAY	1				
	808102	Note a					
	809203	Note b		00 ^b	808717	(Throttle Cable) CABLE, THROTTLE	1
04	808758	SENDER, WATER TEMP	1				
05	808861	FUEL LINE TUBE	1				
06	808103	SENDER, OIL PRESSURE	1	00 ^a	808098	(Electrical) HARNESS, TIER II	1
07	808112	ENGINE MOUNT (right)	1				
08	808113	ENGINE MOUNT (left)	1				
09	808613	M16-2X35M BOLT GR8.8	4	00	808322	(Ether - Optional) HARNESS, ETHER KIT	1
10	808615	5/8"-11X3-1/2" BOLT	2				
11	808744	MOUNT, VIBRATION ISOLATOR . . .	2	00 ^d	808913	(includes 21" BLU/WHT jumper wire) ETHER KIT (optional)	1
12	808749	WASHER, ISOLATOR MOUNT	2				
13	808664	5/8"-11 NYLON INSERT NUT	2				
14	808872	ADAP, M18 -6NPTF STR	2				
15	808844	SHUTOFF, MANUAL/WATER	1				
16	808843	STEM, HOSE	1	00	808925	(includes: thermostat, atomizer, valve bracket, fitting, clamp and tubing. Does not include ether canister.) SWITCH, ROCKER (ether)	1
17		FAN BELT	1				
	808557	Note a					
	808845	Note b					
18 ^c	808465	ADAP, M18 10 BEAD STR	1	00	809204	(Fuel Line) HOSE END, -5 JICF	1
19	808846	BRACKET, ALTERNATOR	1	00	809109	HOSE, 3/8" X 73" (supply)	1
20 ^{be}	808813	BRACKET, THROTTLE	1	00	808298	HOSE, 1/4" X 73" (return)	1
21 ^b	808772	COUPLER, ROD TO CABLE	1				
	808544	#10-32 NUT	2				
22 ^b	808771	ROD, THROTTLE EXTEND	1				
23 ^b	808676	BALL JOINT #10-32	1				
	808544	#10-32 NUT	1				

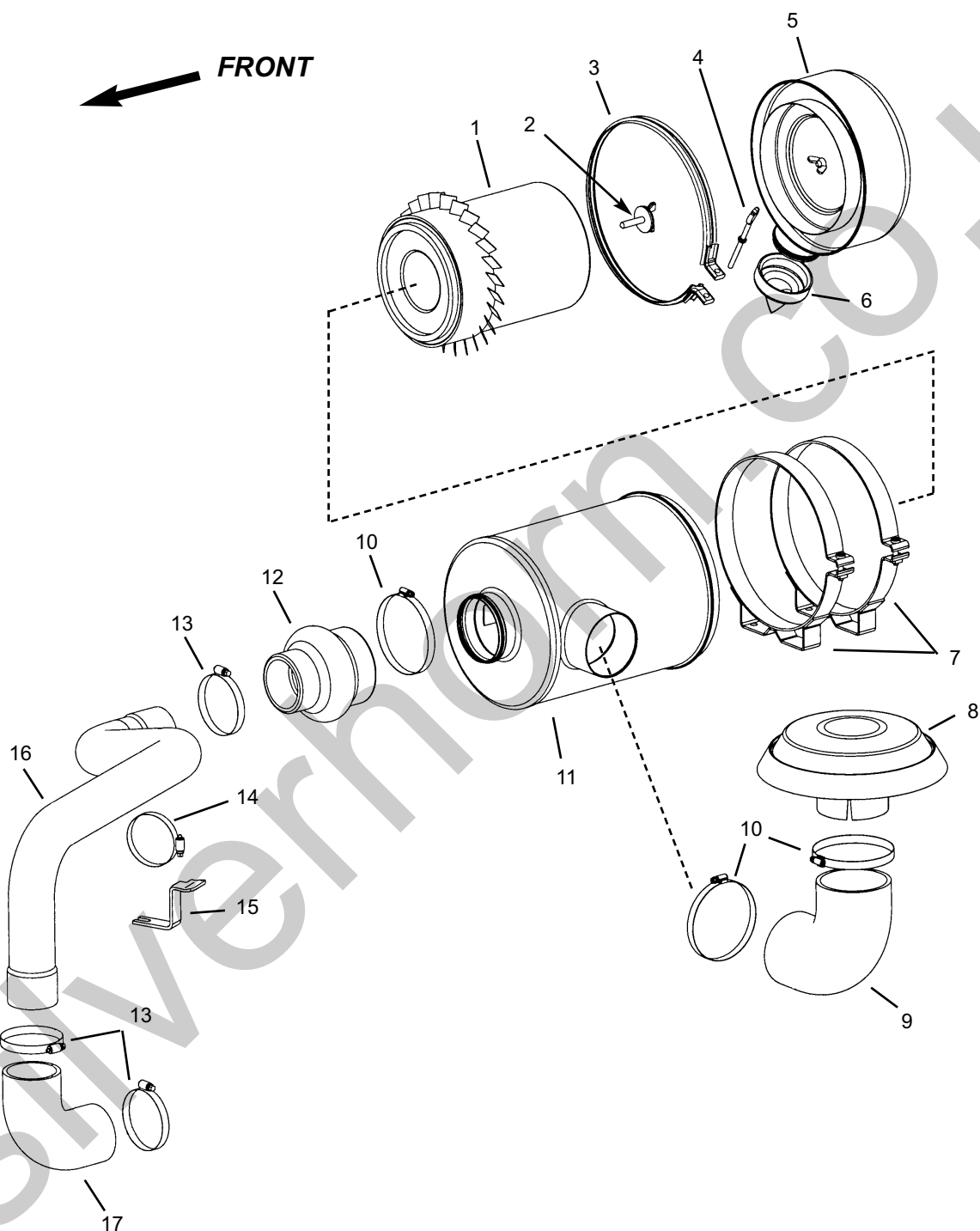
- a When equipped with a 115 HP Tier II engine.
(equipped with an electronic throttle pedal)
- b When equipped with a 99 HP Tier II engine.
(equipped with a manual throttle pedal)
- c Replaces item 16 and (1) of item 14.
- d Ether cannister assembly is located on the right-rear side of machine. Thermostat is located on engine block, and switch is located on dash.
- e Used with 99 hp TIER II engine with a manual throttle pedal. For 115 TIER II engine with electronic throttle pedal substitute Harness mount bracket P/N 808144.



Air Intake Group (1ST MOUNTING)

MT6642 - SERIAL NO. 17113 & BELOW

MT8044 - SERIAL NO. 18115 & BELOW

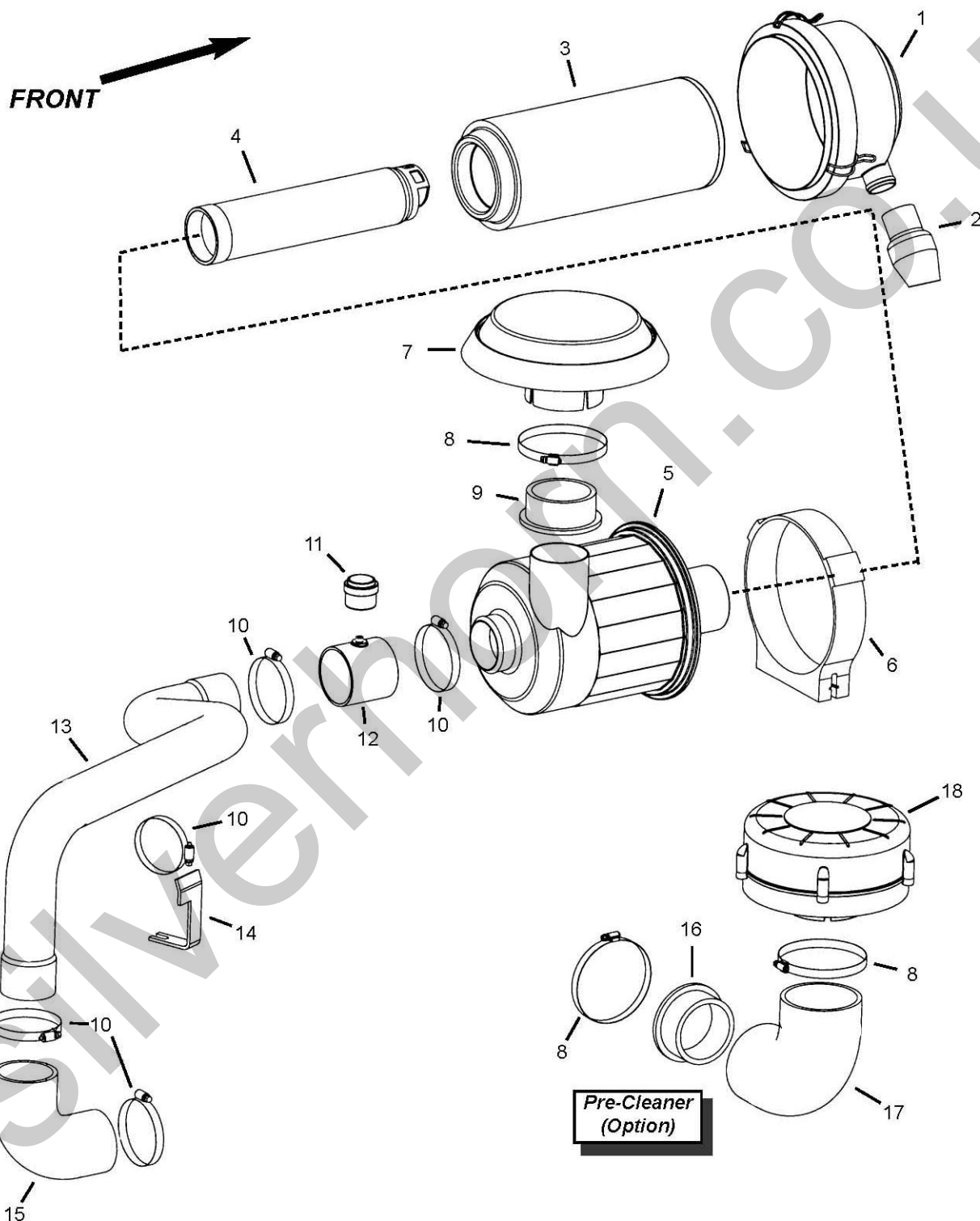


Silverhorn.

Air Intake Group (2ND MOUNTING)

MT6642 - SERIAL NO. 17114 & UP

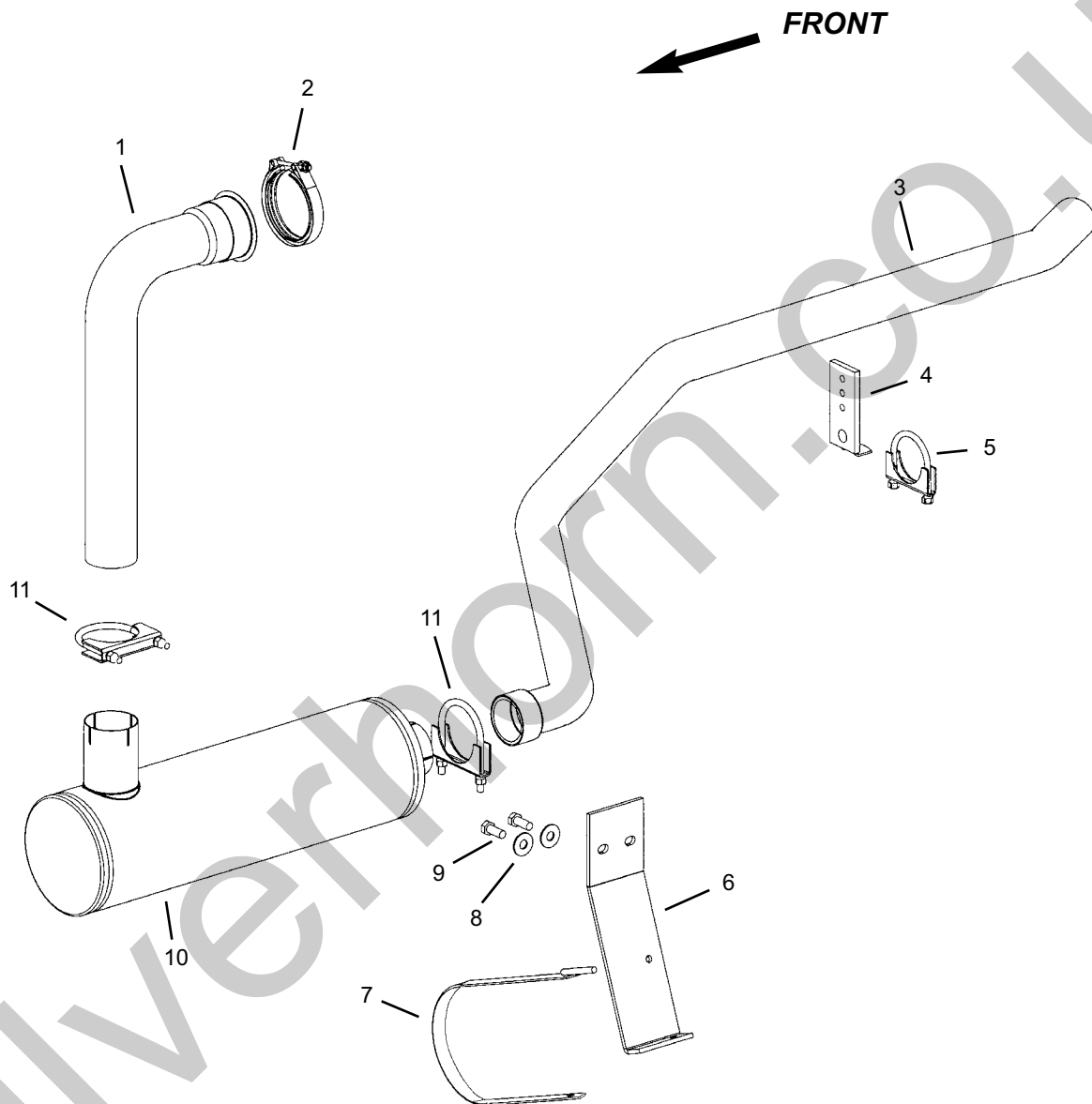
MT8044 - SERIAL NO. 18116 & UP



Air Intake Group (2ND MOUNTING)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	809278	AIR CLEANER ASSEMBLY.1 (Includes 1-5)		10	808655	CLAMP, #52 SAE	AR
01	NSS	END CAP.1		11	809281	INDICATOR, RESTRICTION 30in. .1	
02	809279	EJECTOR/DUST1		12	809283	ADAPTER, RUBBER W/TAP 1	
03	808066	ELEMENT, PRIMARY1		13	808840	INTAKE TUBE	1
04	808067	ELEMENT, SECONDARY1		14	808157	BRACKET	1
05	NSS	HOUSING, AIR CLEANER1		15	808427	90° RUBBER ELBOW, 3" DIA. ... 1	
06	809282	CLAMP, AIR CLEANER MOUNT ..1				-- OPTIONAL PRECLEANER --	
07	808781	INLET HOOD/CAP	1	16	809284	REDUCER, 4" - 3"	1
08	808659	ADJUST. CLAMP, #72	AR	17	808782	90° RUBBER ELBOW, 4" DIA. ... 1	
09	809280	REDUCER, 3.84" - 3.25"	1	18	809285	PRECLEANER	1

Exhaust Group



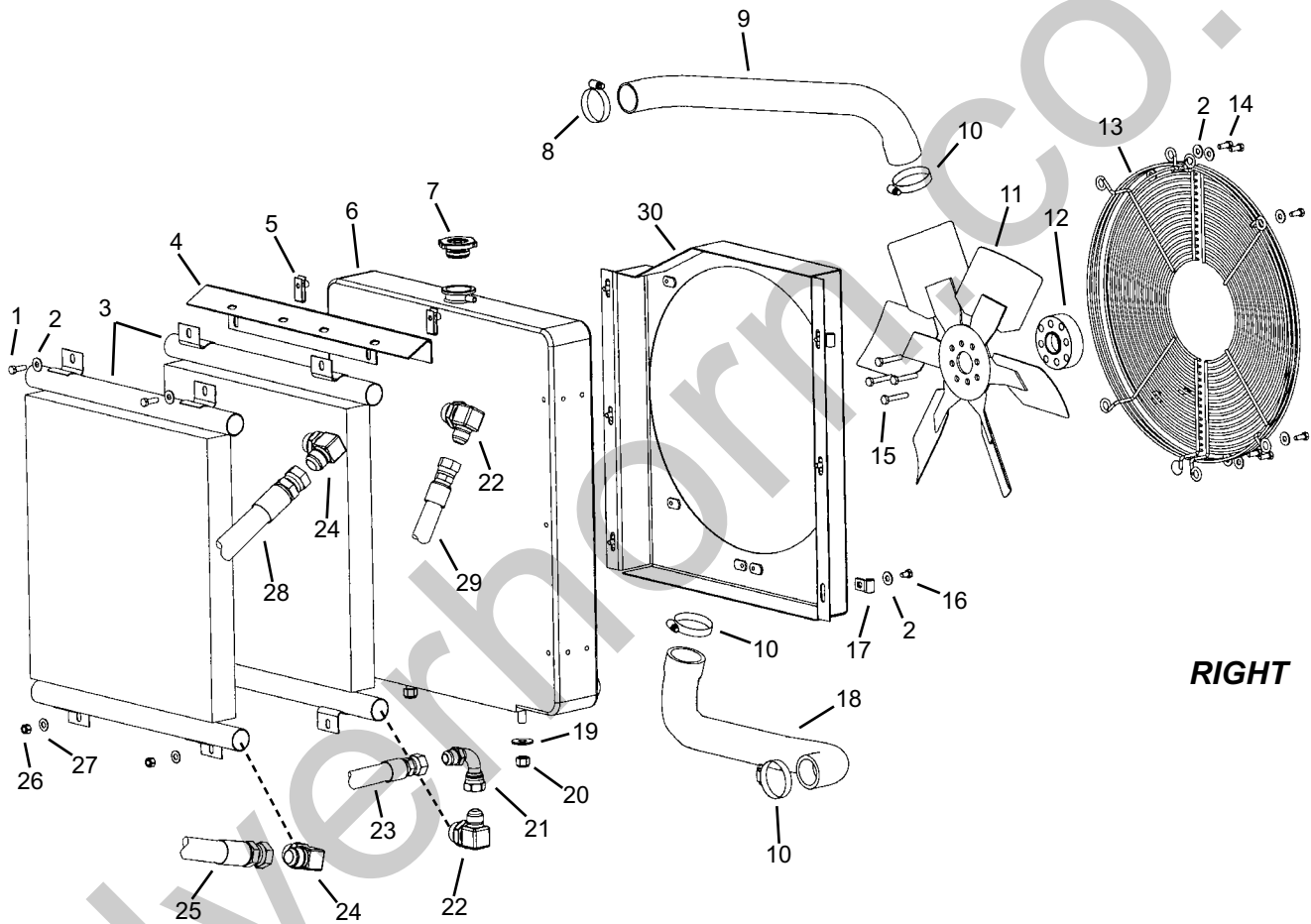
Exhaust Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808839	EXHAUST PIPE WELDMENT	1	07	808684	STRAP	1
02	809131	TURBO CLAMP	1		808617	3/8"-16X1" BOLT	1
03	808785	TAIL PIPE	1		808592	3/8" FLAT WASHER	1
04	808777	HANGER	1		808663	3/8"-16 NYLON INSERT NUT	1
05	808428	CLAMP, 2-1/2"	1	08	808595	3/8" FLAT WASHER	2
06	808765	BRACKET	1	09	809208	M12-1.75X30 C8 BOLT	2
				10	808778	MUFFLER	1
				11	808678	CLAMP 3"	2

Radiator/Coolers Group

FRONT

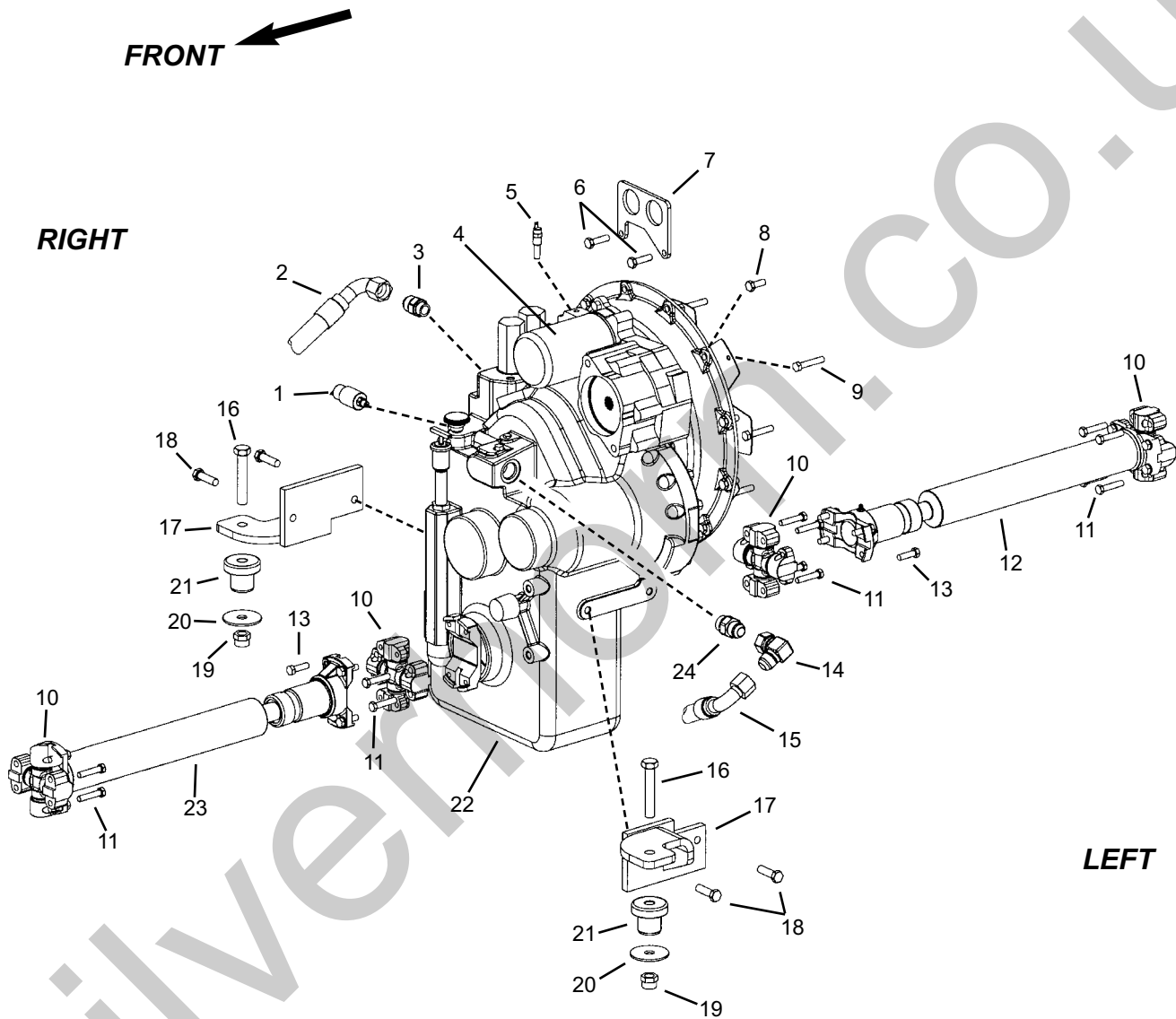
LEFT



RIGHT

Figure 1

External Components Group



External Components Group

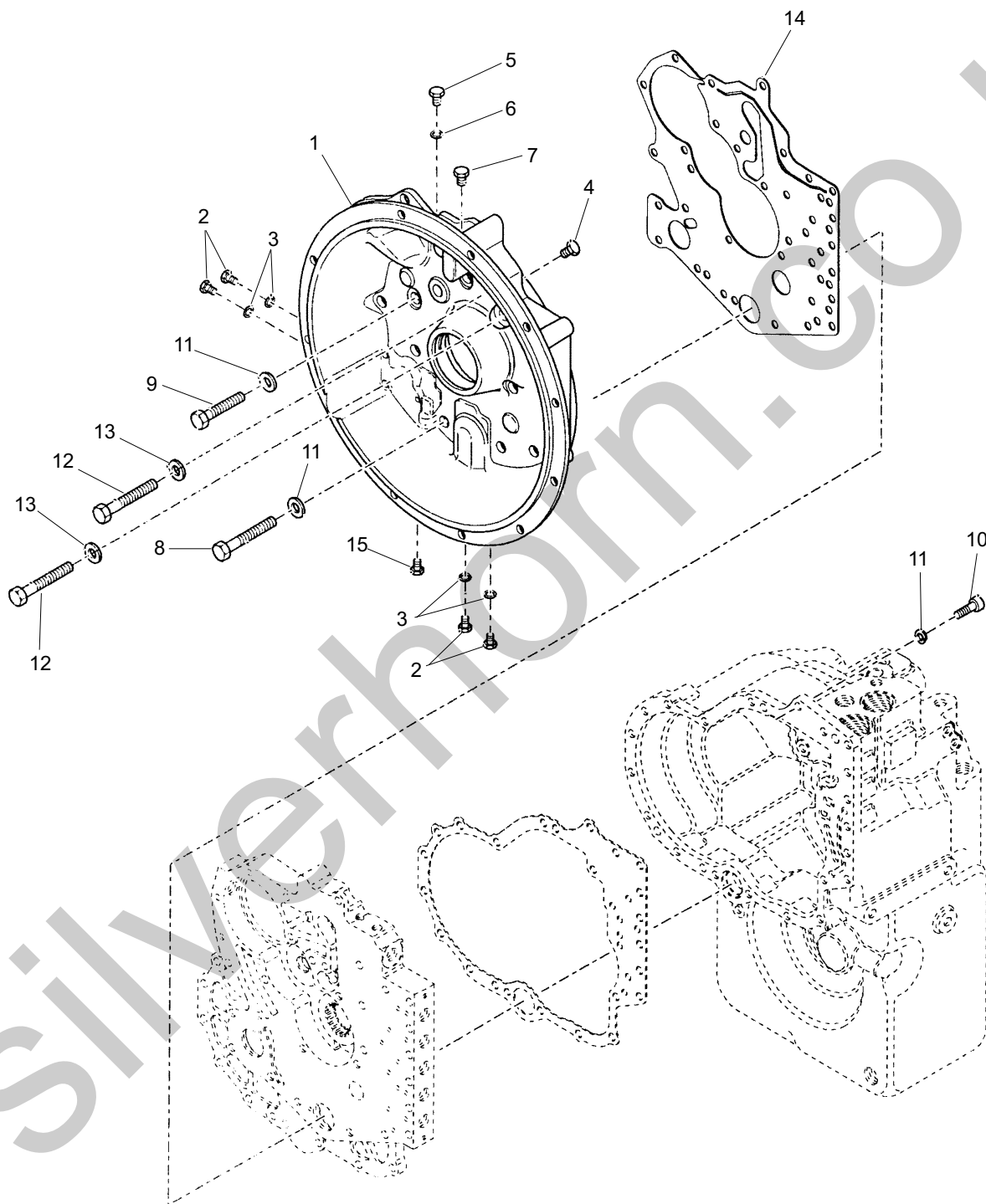
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808842	SWITCH, PRESSURE.	1		808593	3/8" LOCK WASHER.	8
	808452	ADAP, -3ORM (<i>not shown</i>).	1	14	808461	ADAP, -12JICM -12JICFS 90 DEG. .	1
02	808289	HOSE, -12 DS12/A12 102"	1	15	808289	HOSE, -12 DM12/A12 102"	1
03	808447	ADAP, -10ORM -12JICM STR.	1	16	808615	5/8"-11X3-1/2" BOLT.	2
04	808004	FILTER, TRANSMISSION OIL.	1	17	808111	TRANS MOUNT.	2
05	808828	SENDER, TEMP 250 DEGREE.	1	18	809212	M12X1.75X40mm BOLT.	4
06 ^d	808636	M10X1.5X35mm.	2	19	808664	5/8"-11 NYLON INSERT NUT.	2
07 ^e	808144	BRACKET, HARNESS MOUNT.	1	20	808749	WASHER, ISOLATOR MOUNT.	2
08	808650	M10X1.5X25mm.	10	21	808744	MOUNT, VIBRATION ISOLATOR. .	2
09 ^c	808641	3/8"-24X2" GRADE 8 BOLT.	8	22	808235	TRANSMISSION, 1106 T12000.	1
10	809107	UNIVERSAL JOINT.	4	23	808114	DRIVESHAFT, FRONT.	1
		(<i>includes bolts</i>)		24	808442	ADAP, -12ORM -12JICM STR.	1
11 ^a	808623	3/8"-24X1-3/4" GR8 BOLT.	16				
12	808115	DRIVESHAFT, REAR.	1				
13 ^b	808416	3/8"-24X1-1/4" GR 8 BOLT.	8				

- a Used to fasten universal joint to transmission and to axle yokes.*
- b Used to fasten universal joint to driveshaft.*
- c Used to fasten flex plate to flywheel.*
- d Used to fasten wire harness bracket to transmission*
- e Used with 115 hp TIER II engine with electronic throttle pedal. For 99 hp TIER II engine with manual throttle pedal substitue Throttle cable bracket P/N 808813.*

HOSE LOCATOR

02	TRANSMISSION (<i>top right side - near filter</i>)	TRANSMISSION COOLER "UPPER"
15	TRANSMISSION (<i>left side - just under hyd. pump</i>)	TRANSMISSION COOLER "LOWER"

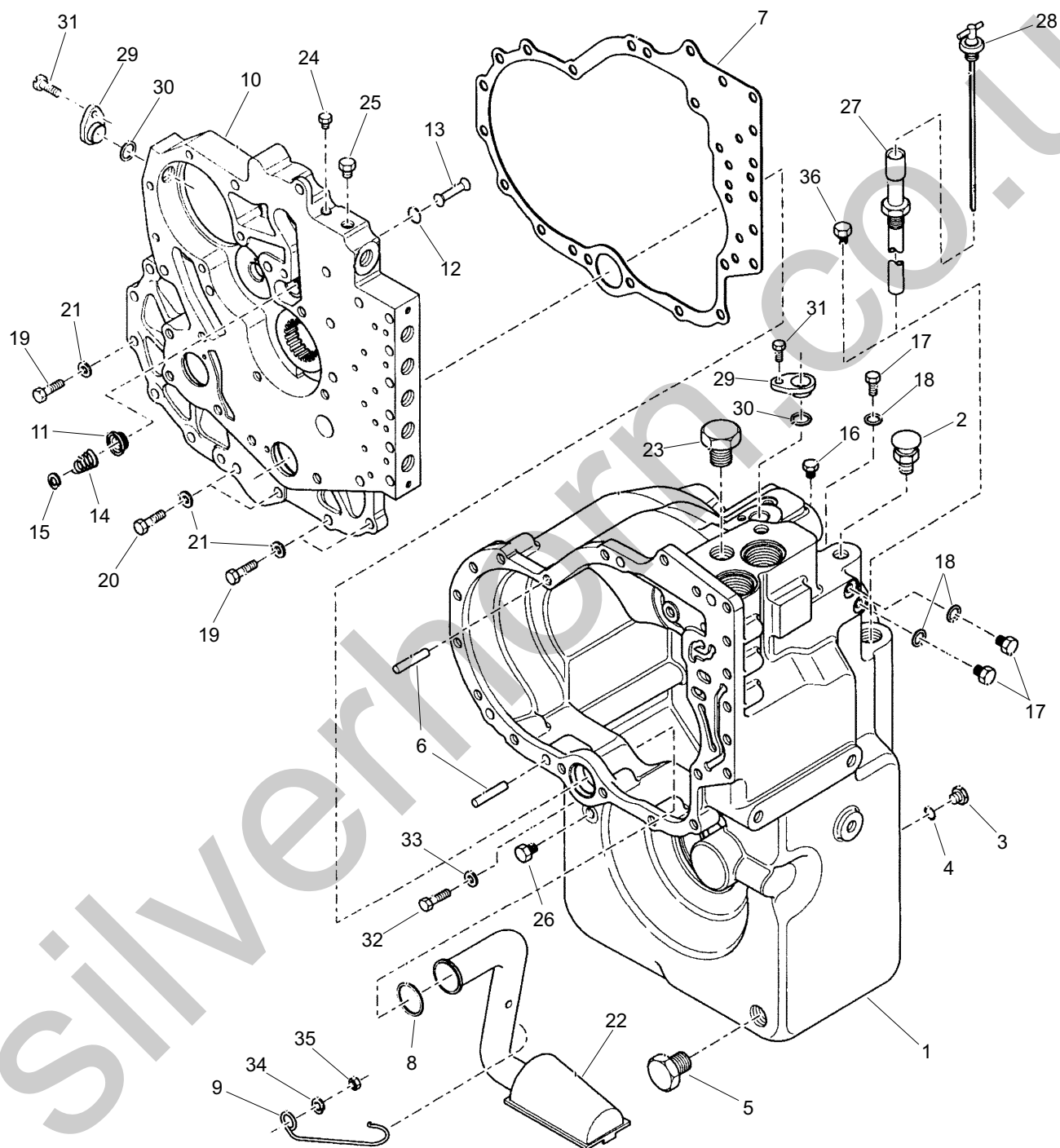
Converter Housing Group



Converter Housing Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809120	HOUSING/CONVERTER	1	07	809115	PLUG	1
02	NSS	PLUG	4	08	809119	SCREW	6
		(includes item 3)		09	809214	SCREW	3
03	809118	O-Ring/Plug	4	10	809215	SCREW	1
		(part of item 2)		11	809096	WASHER/LOCK	10
04	809213	PLUG	1	12	809214	SCREW	13
05	NSS	PLUG	1	13	809096	WASHER/LOCK	13
		(includes item 6)		14	809078	GASKET/HSG. TO PLATE.	1
06	809118	O-Ring/Plug	1	15	809216	PLUG/TEMP PICKUP	1
		(part of item 5)					

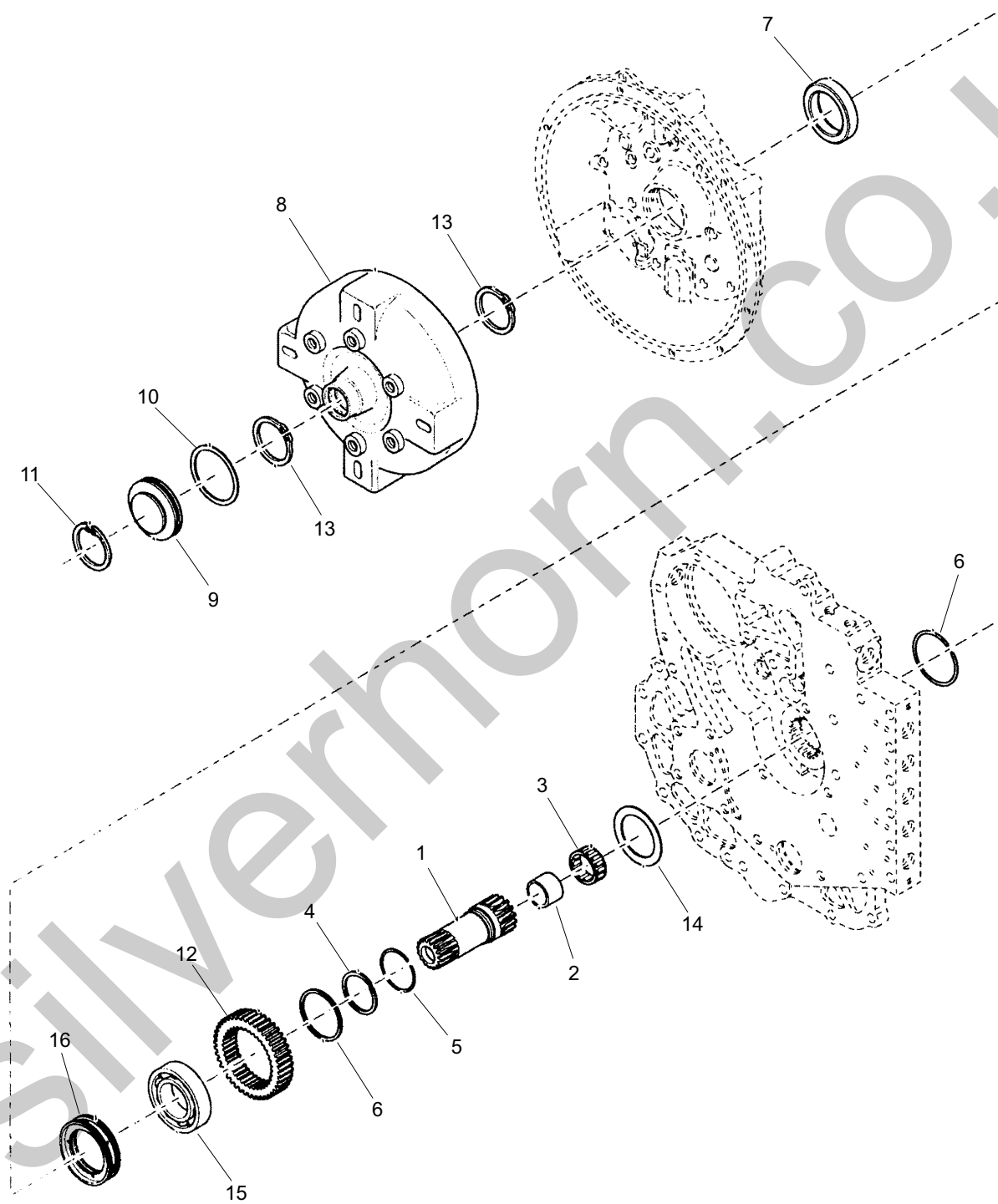
Case and Plate Group



Case and Plate Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	NSS	CASE-TRANSMISSION	1	19	809218	SCREW	7
02	808953	BREATHING/AIR	1	20	809099	SCREW	2
03	809217	PLUG..... (includes item 4)	2	21	809096	WASHER/LOCK	9
04	809095	O-RING/PLUG..... (part of item item 3)	2	22	808967	ASSY/TUBE & SCREEN.....	1
05	809114	PLUG/MAGNETIC DRAIN.....	1	23	809219	PLUG.....	1
06	809075	PIN/DOWEL PLATE TO CASE	2	24	809213	PLUG.....	1
07	809074	GASKET/PLATE TO CASE.....	1	25	809115	PLUG.....	1
08	808968	RING/TUBE SEAL.....	1	26	809220	PLUG.....	1
09	808966	CLIP/OIL TUBE RETAINER	1	27	809071	TUBE/TRANS DIPSTICK	1
10	808328	PLATE, SPACER.....	1	28	809072	TRANS DIPSTICK TUBE	1
11	809077	SEAT/SAFETY VALVE	1	29	809121	PLUG	2
12	809076	SNAP RING.....	1	30	809125	O-RING	2
13	808992	POPPET/SAFETY VALVE	1	31	809122	SCREW.....	2
14	808988	SPRING.....	1	32	809119	SCREW.....	1
15	808987	WASHER/POPPET	1	33	809123	WASHER/SEAL.....	1
16	809213	PLUG.....	1	34	809124	WASHER/SCREW.....	1
17	NSS	PLUG.....	3	35	809221	NUT	1
18	809118	O-RING/PLUG.....	3				

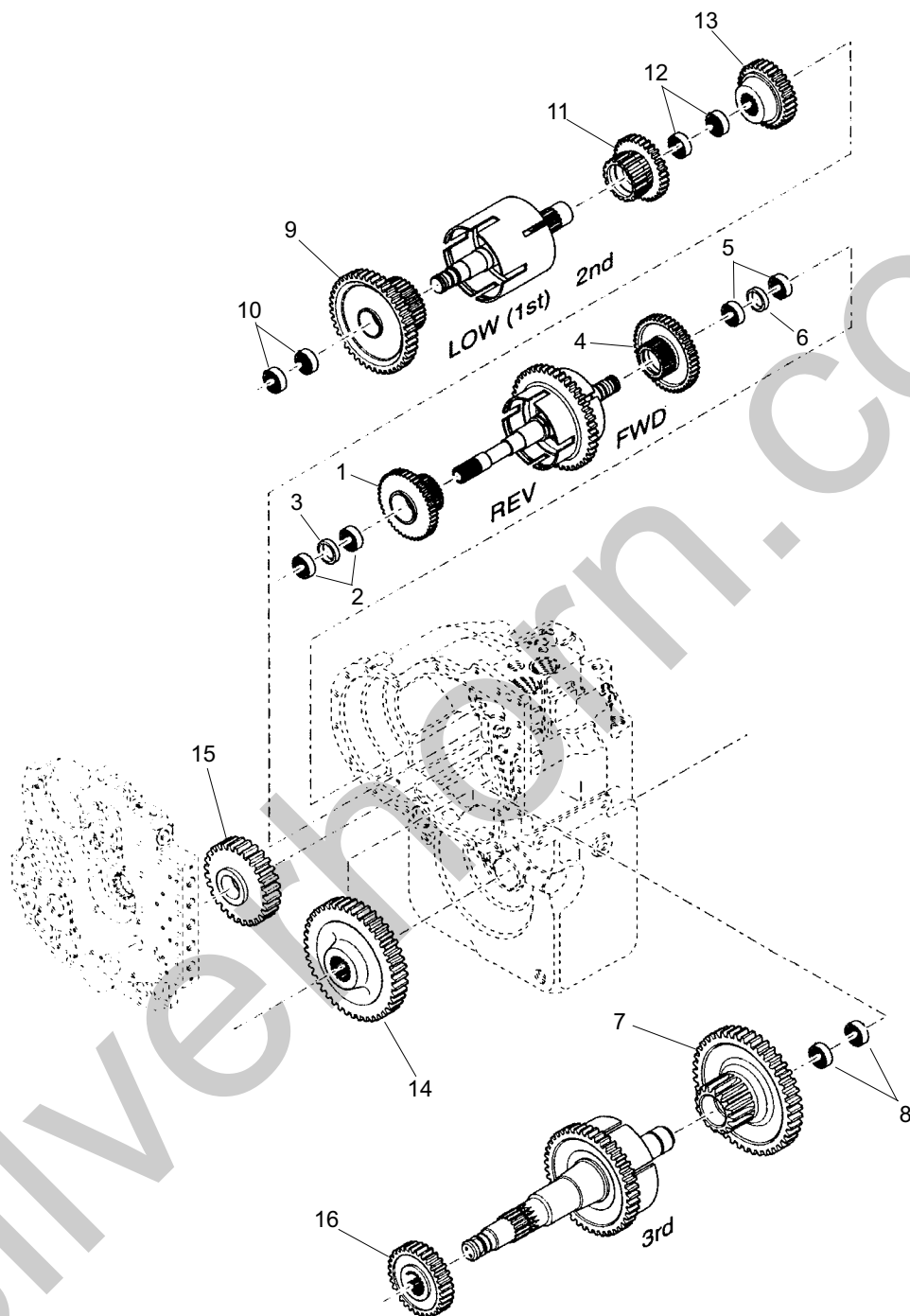
Torque Converter Group



Torque Converter Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808979	ASSY/STATOR SUPPORT	1	09	808969	PLUG/BORE	1
02	808980	BUSHING	1	10	808956	O-RING/BORE PLUG	1
03	808973	BEARING/FRONT	1	11	808957	RING/RET. BORE PLUG	1
04	808977	RING/PISTON	1	12	808975	IMPELLER/HUB GEAR	1
05	808978	EXPANDER/RING	1	13	808970	SNAP RING/IMPELLER HUB	2
06	808976	RING/SNAP	2	14	808981	WASHER/HUB GEAR	1
07	808971	SEAL/OIL CONV. HSG.	1	15	808974	BEARING/TORQUE CONVERTER. 1	
08	809126	ASSY/TORQUE CONVERTER.	1	16	808972	RING/OIL DISTRIBUTOR	1

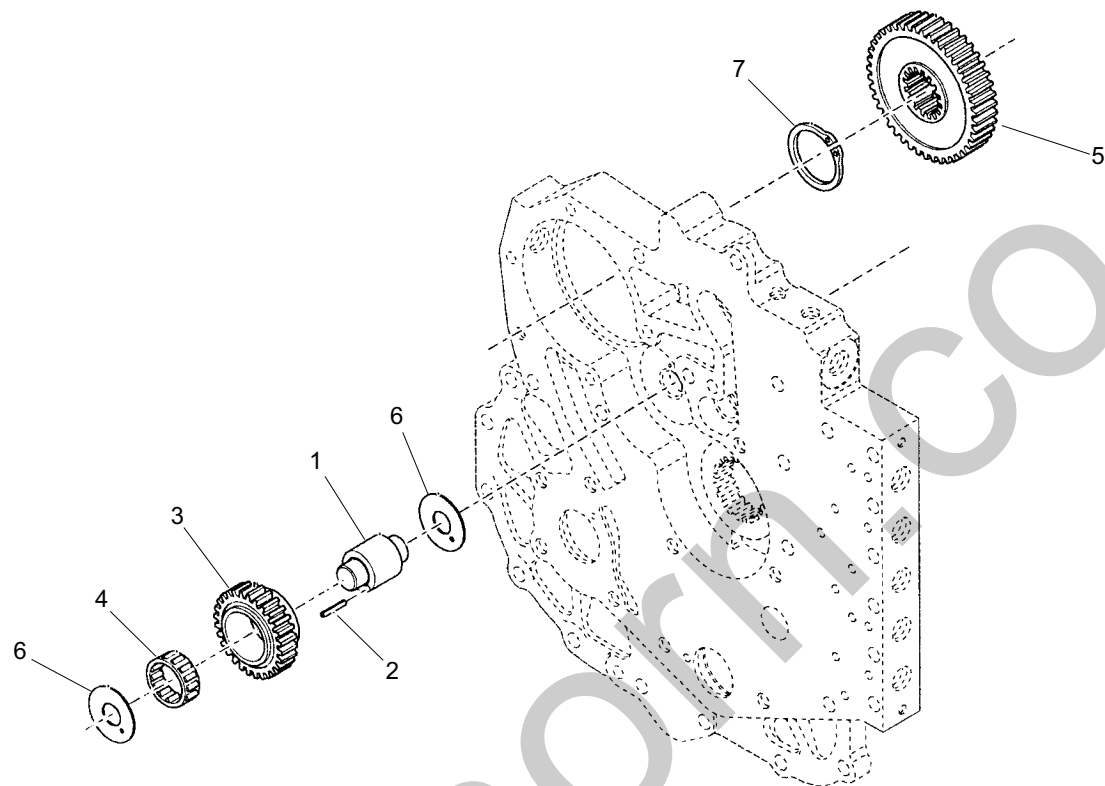
Gear Group



Gear Group

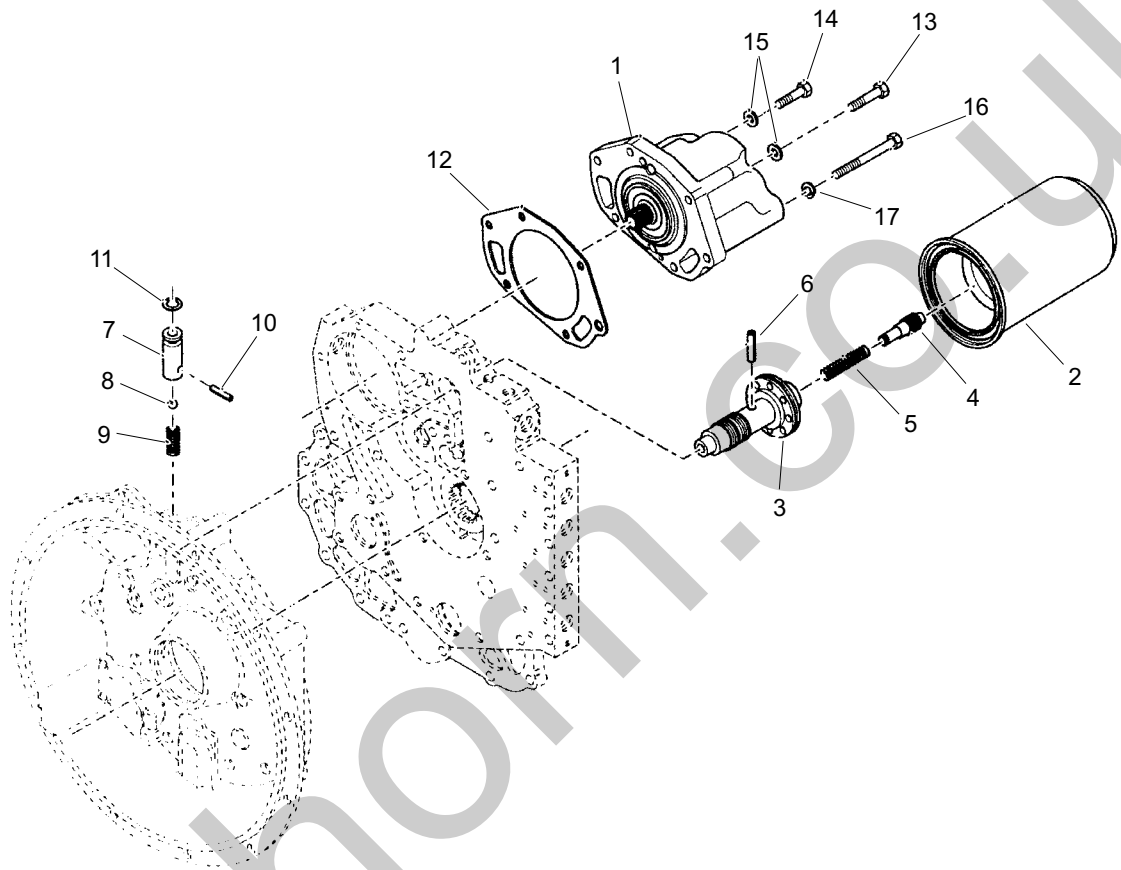
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	NSS	ASSY/REV. GEAR & BEARING ... 1 (includes items 2 and 3)		08	808536	BEARING-3RD CLUTCH GEAR... 2 (part of item 7)	
02	809014	BEARING/NEEDLE 2 (part of item 1)		09	809094	1st CLUTCH GEAR/BRG. ASSY... 1 (includes item 9)	
03	809015	SPACER/CLUTCH GEAR 1 (part of item 1)		10	809014	BEARING/NEEDLE 2 (part of item 9)	
04	NSS	ASSY/FOR. GEAR & BEARING ... 1 (includes items 5 and 6)		11	809025	2nd CLUTCH GEAR/BRG. ASSY .. 1 (includes item 12)	
05	809014	BEARING/NEEDLE 2 (part of item 4)		12	809014	BEARING/NEEDLE 2 (part of item 11)	
06	809015	SPACER/CLUTCH GEAR 1 (part of item 4)		13	809026	GEAR/THIRD DRIVEN - 18T 1	
07	808508	ASY. 3RD CLUTCH GEAR 1 (includes item 8)		14	809031	GEAR/OUTPUT SHAFT - 40T 1	
				15	809222	GEAR/REVERSE IDLER - 28T.... 1	
				16	808510	GEAR/FIRST DRIVEN - 27T..... 1	

Pump Drive Group



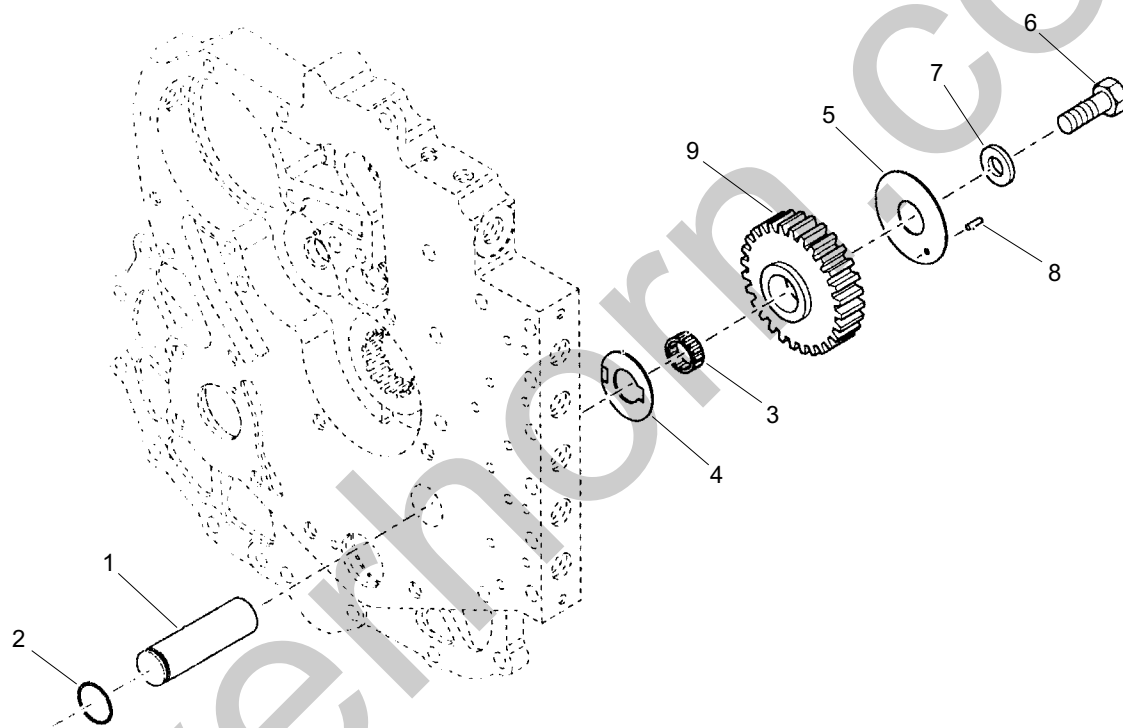
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809082	IDLER/SHAFT & PIN.....1 (includes item 2)	1	04	809080	BEARING/IDLER GEAR.....1	1
02	809083	ROLL PIN.....1 (part of item1)	1	05	808982	GEAR/DRIVE.....1	1
03	809081	GEAR/IDLER,PUMP DRIVE.....1	1	06	809079	WASHER/THRUST.....2	2
				07	808983	RING/SNAP.....1	1

Charge Pump Group



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808990	PUMP/T12000 CHARGE.	1	09	808986	SPRING.	1
02	808004	ASSY/ HYDRAULIC SPIN FILTER .	1	10	808984	PIN.	1
03	809088	SLEEVE.	1	11	809084	O-RING	1
04	809086	PISTON	1	12	808989	GASKET/CHARGE PUMP	1
05	809087	SPRING.	1	13	809223	SCREW	4
06	808991	PIN/CLARK TRANS.	1	14	809224	SCREW	1
07	809085	ASSY/BALL CHECK VALVE	1	15	809225	WASHER/LOCK	5
		(includes items 8 thru 11)		16	809226	SCREW	1
08	808985	BALL	1	17	809096	WASHER/LOCK	1

Reverse Idler Group

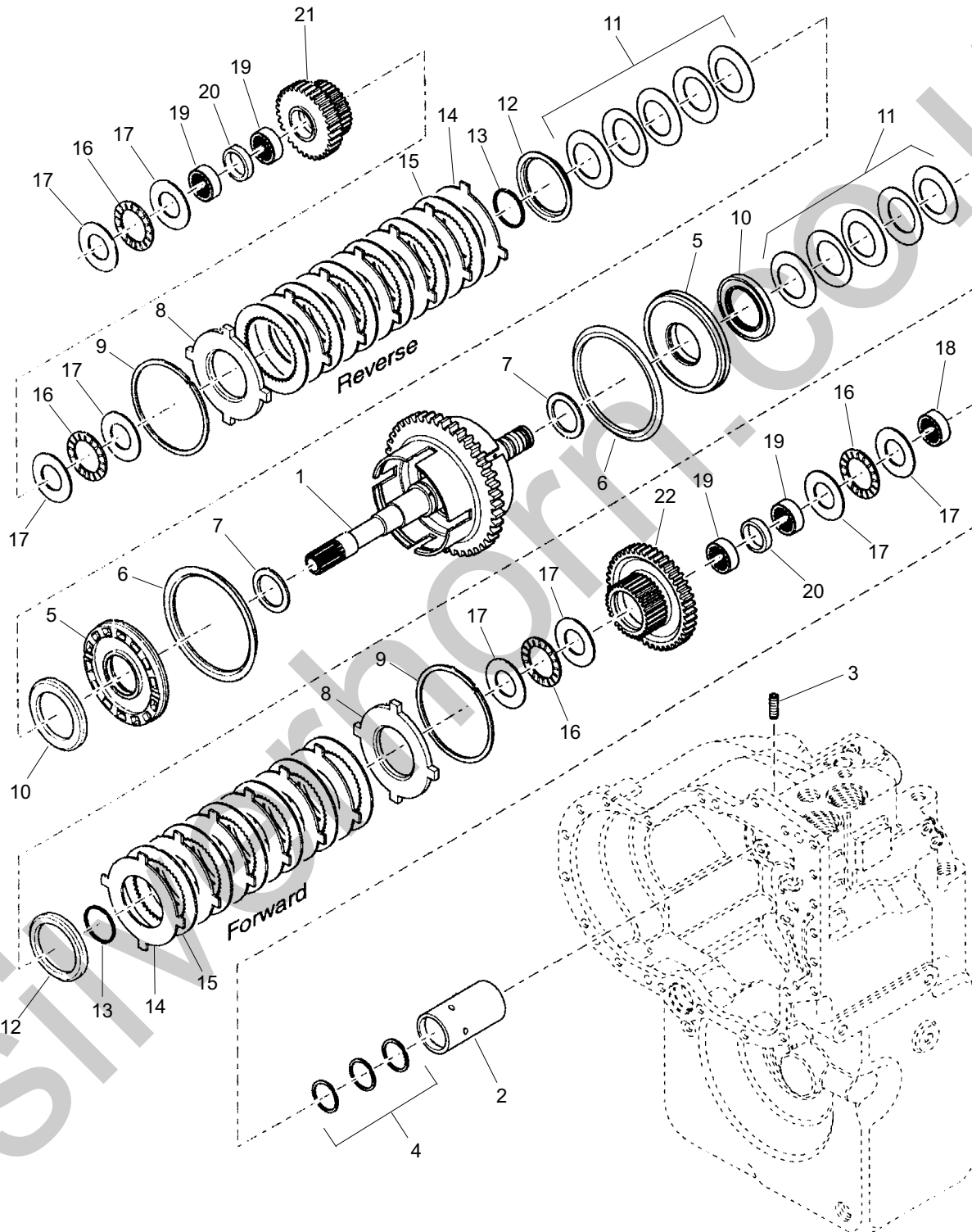


Reverse Idler Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808994	SHAFT IDLER & PILOT	1	05	808997	END PLATE.....	1
02	808993	RING/SNAP.....	1	06	809227	CAPSCREW	1
03	808996	BEARING/REV IDLR GEAR.....	1	07	809228	WASHER.....	1
04	808995	WASHER/THRUST	1	08	808998	END PLATE.....	1

Transmission

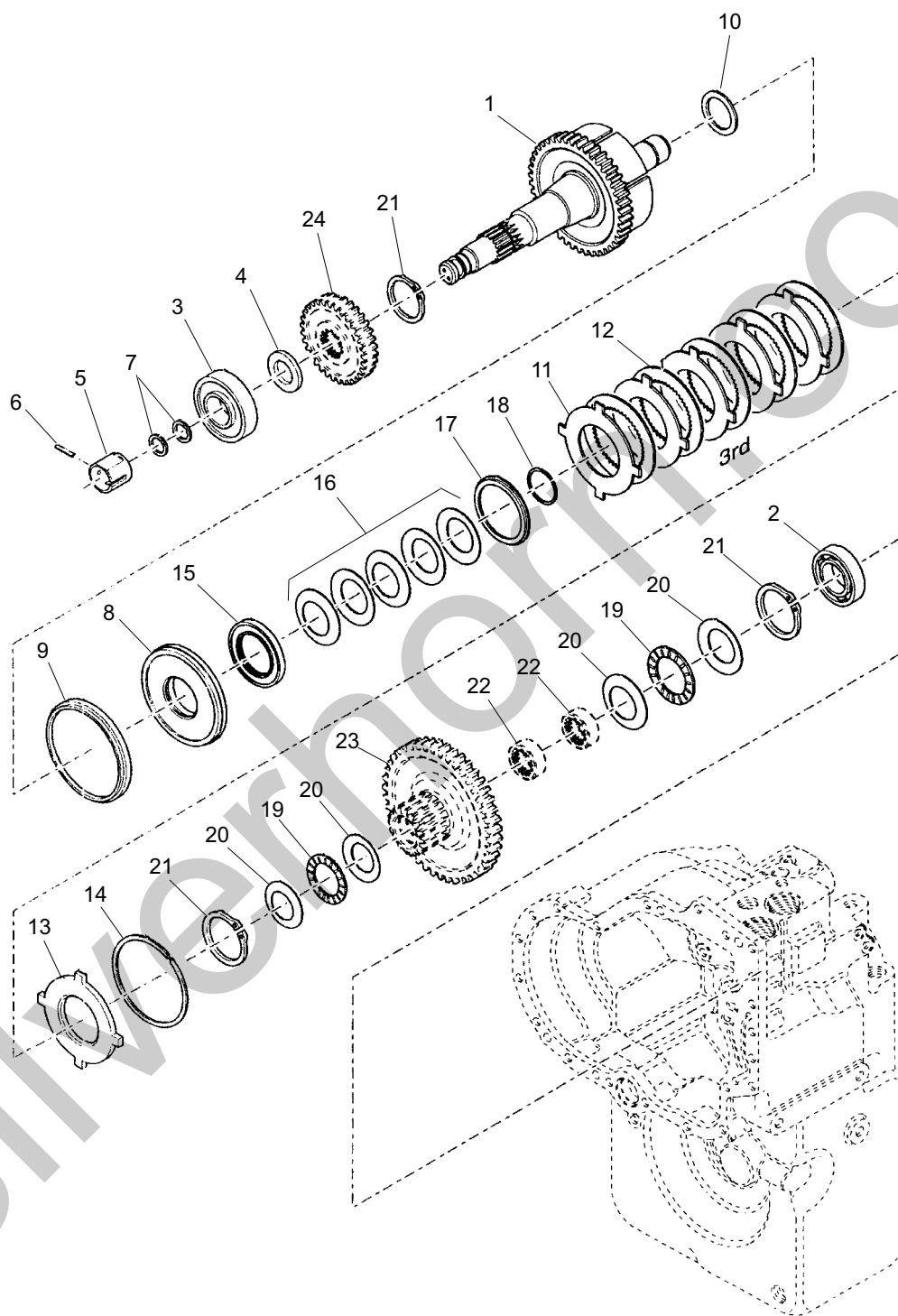
Forward and Reverse Group



Forward and Reverse Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809010	ASY/TURB SHFT DRUM & PLUG .	1	12	809006	RETAINER.....	2
02	809013	SLEEVE/OIL DISTRIBUTOR.....	1	13	809005	RETAINER/SNAP RING	2
03	809229	SCREW.....	1	14	809004	CLUTCH/OUTER FWD.....	12
04	809012	RING/PISTON.....	3	15	809003	CLUTCH/INNER FWD.....	12
05	809116	ASY/PISTON.....	2	16	809000	BEARING.....	4
		(includes items 6 and 7)		17	808999	WASHER/THRUST	8
06	809008	SEAL/OUTER PISTON	2	18	809011	BEARING/REAR	1
		(part of item 5)		19	809014	BEARING/CLUTCH GEAR	4
07	809009	SEAL/INNER PISTON.....	2	20	809015	SPACER/CLUTCH GEAR.....	2
		(part of item 5)		21	809230	ASSY/REV. AND BRG.	1
08	809002	PLATE/END	2			(includes items 19 and 20)	
09	809001	RING/SNAP	2	22	809231	ASSY/FOR. GEAR AND BRG.	1
10	809007	PLATE/WEAR	2			(includes items 19 and 20)	
11	809092	ASY/DISC SPRING Pkg 5.....	2				

Third Shaft Group

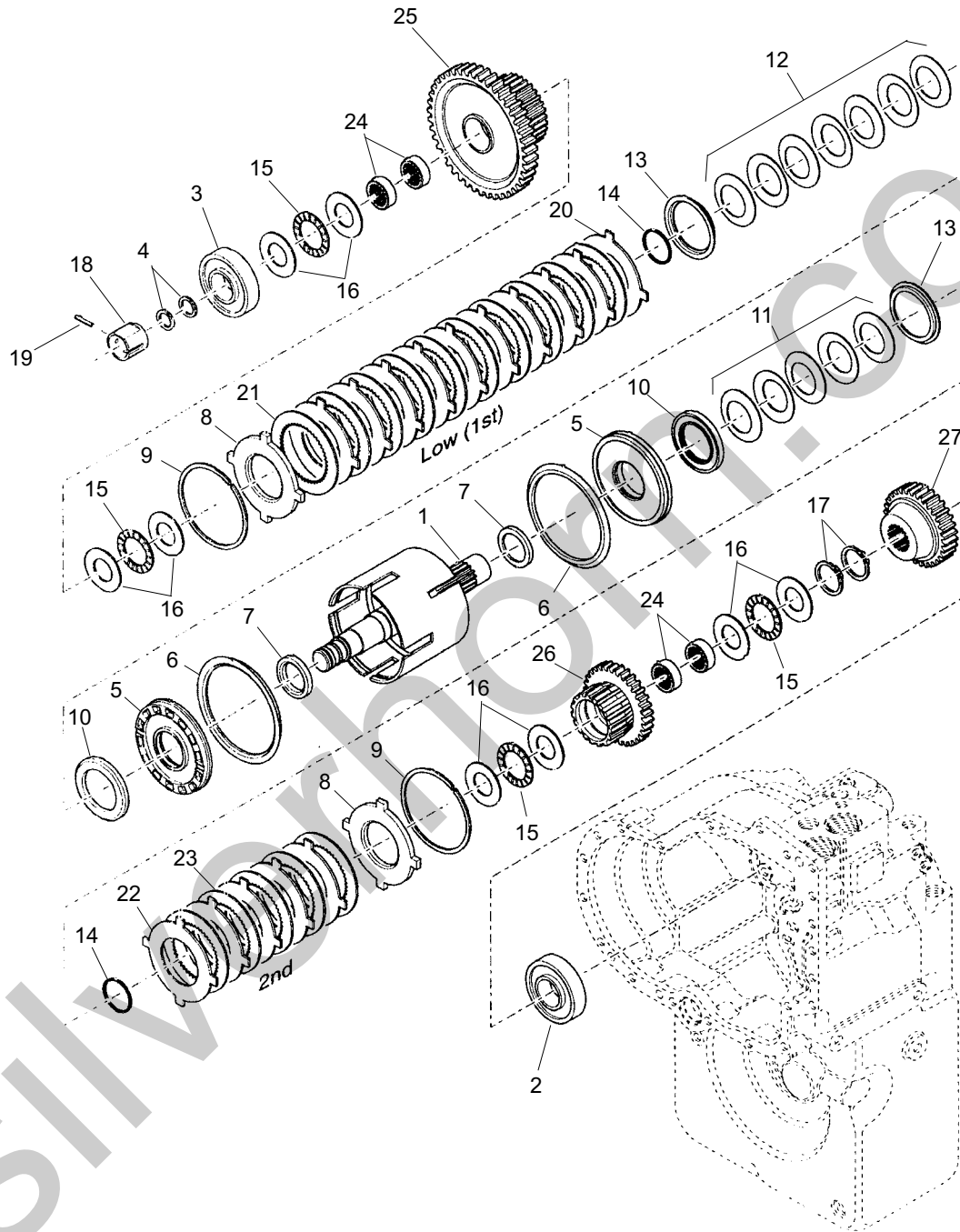


Third Shaft Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808511	ASY-3RD SHAFT, DRUM & PLUG .	1	13	809002	PLATE/END	1
02	808512	BEARING-ROLLER	1	14	809001	RING/SNAP	1
03	808503	ASSY/BEARING & SEAL	1	15	809007	RING/SNAP	1
04	809232	WASHER-BEARING SUPPORT . . .	1	16	809092	ASY/DISC SPRG PKG 5	1
05	809017	SLEEVE/OIL DISTRIBUTOR	1	17	809006	RETAINER	1
06	809016	SCREW/SLEEVE LOCK	1	18	809005	RETAINER/SNAP RING	1
07	809012	RING/PISTON	2	19	808513	BEARING-THRUST NEEDLE	2
08	809117	ASSY/CLTCH PISTON & BALL . . .	1	20	808514	WASHER/CLTCH GEAR THRUST .	4
09	809008	SEAL/OUTER PISTON	1	21	809132	RING/SNAP	3
10	809009	SEAL/INNER PISTON	1	22	808509	BEARING-3RD CLUTCH GEAR . . .	2
11	809004	CLUTCH/OUTER FWD	5	23	808508	ASY. 3RD CLUTCH GEAR	1
12	809003	CLUTCH/INNER FWD	5	24	808509	GEAR-FIRST DRIVEN	1

Transmission

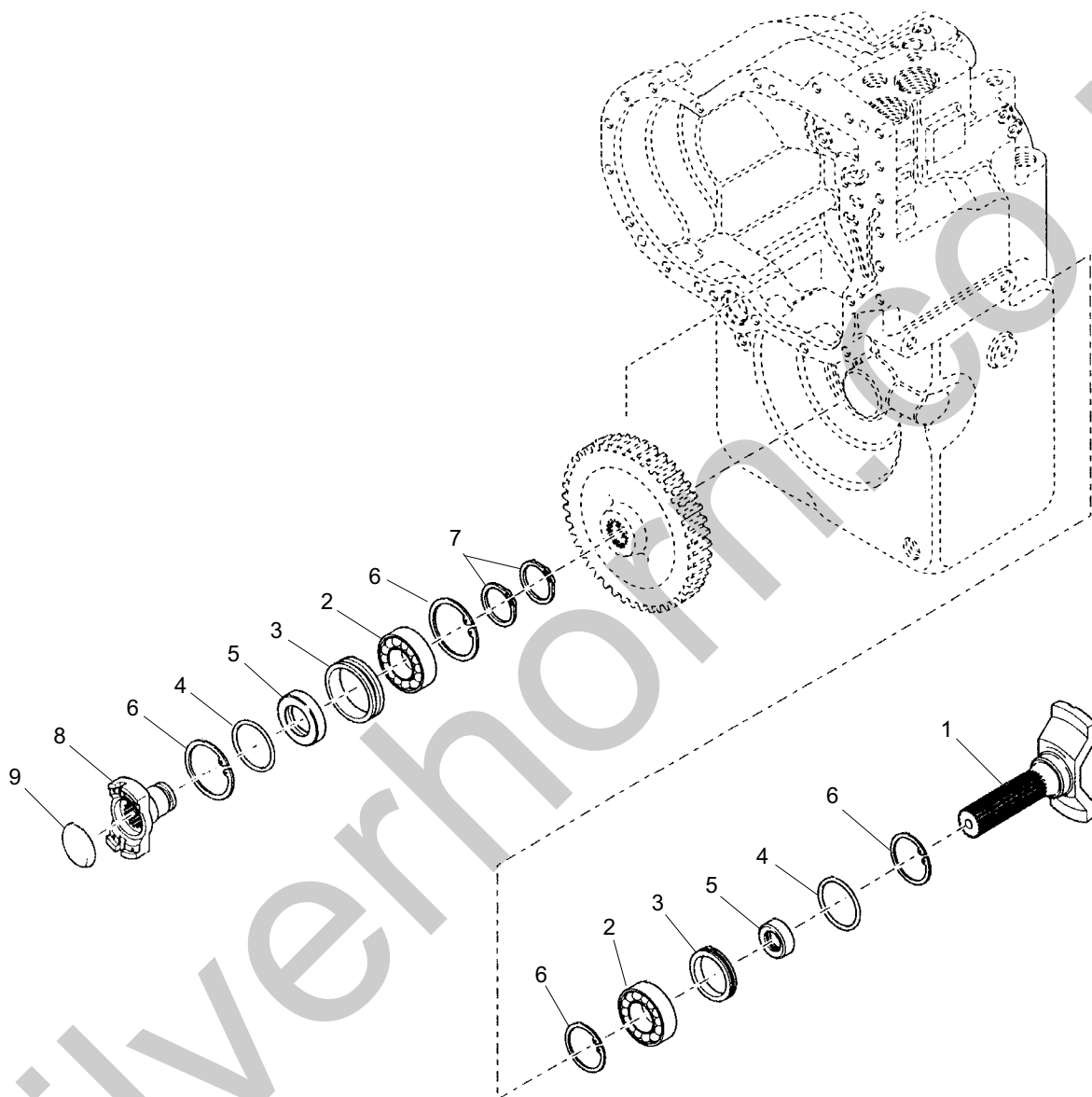
First and Second Shaft Group



First and Second Shaft Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809023	ASY-1ST 2ND SHAFT.....	1	16	808999	WASHER/THRUST.....	8
02	809024	BEARING/REAR.....	1	17	809018	RING/SNAP.....	2
03	808503	ASSY/BEARING & SEAL.....	1	18	809022	SLEEVE/OIL DISTRIBUTOR.....	1
04	809012	RING/PISTON.....	2	19	809016	SCREW/SLEEVE LOCK.....	1
05	809098	PISTON/CLUTCH & SEALS.....	2	20	809004	CLUTCH/OUTER FWD.....	10
06	809008	SEAL/OUTER PISTON.....	2	21	809003	CLUTCH/INNER FWD.....	10
07	809009	SEAL/INNER PISTON.....	2	22	809004	CLUTCH/OUTER FWD.....	5
08	809002	PLATE/END.....	2	23	809003	CLUTCH/INNER FWD.....	5
09	809001	RING/SNAP.....	2	24	809014	BEARING/CLUTCH GEAR.....	4
10	809007	PLATE/WEAR.....	2	25	809094	1ST CLUTCH GEAR/BRG ASSY ..	1
11	809092	ASSY/DISC SPRG PKG 5.....	1			(includes item 24)	
12	809093	SPRING/DISC ASSY PKG (7).....	1	26	809025	2ND CLUTCH GEAR/BRG ASSY ..	1
13	809006	RETAINER.....	2			(includes item 24)	
14	809005	RETAINER/SNAP RING.....	2	27	809026	GEAR/3RD DRIVEN.....	1
15	809000	BEARING.....	4				

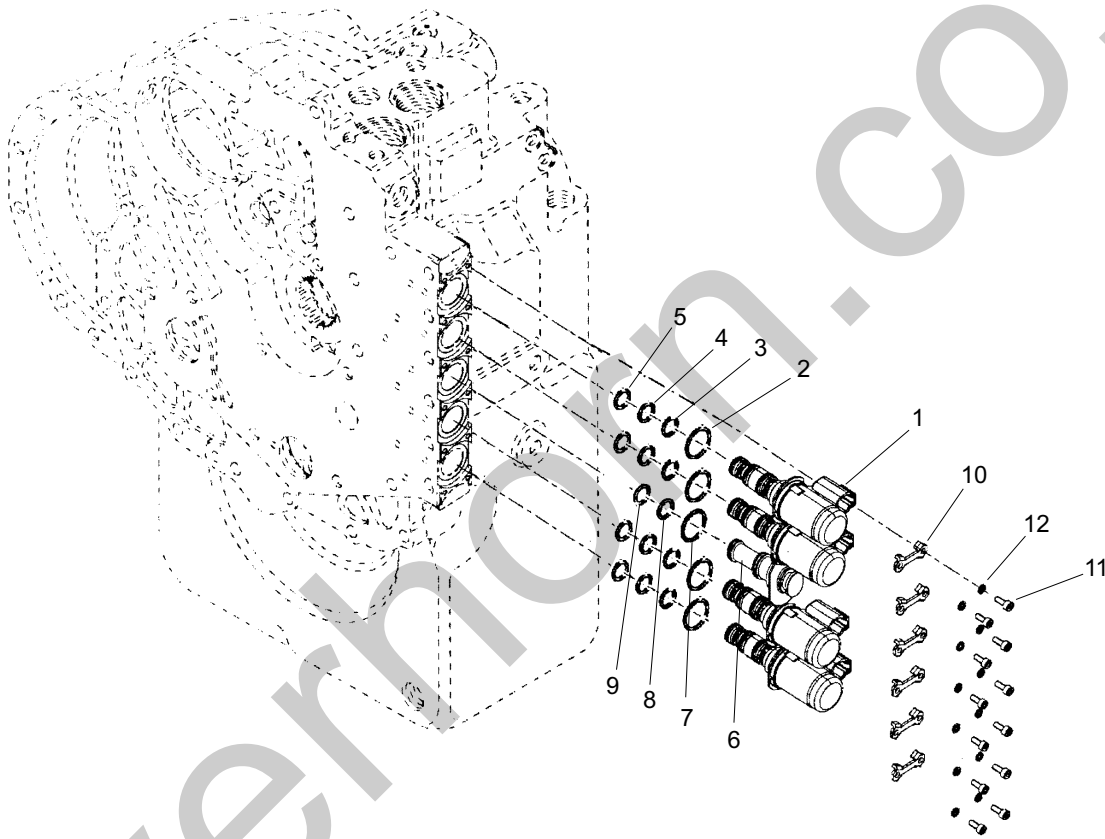
Output Shaft Group



Output Shaft Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808504	SHAFT/OUTPUT	1	06	809019	RING/SNAP	4
02	809030	BEARING/SHAFT	2	07	809020	RING/SNAP	2
03	809029	SLEEVE/OIL SEAL	2	08	809028	FLANGE/OUTPUT & PLUG ASSY ..	1
04	809021	O-RING/SLEEVE	2	09	809027	PLUG/FLANGE	1
05	808954	SEAL/OUTPUT SHAFT OIL	2				

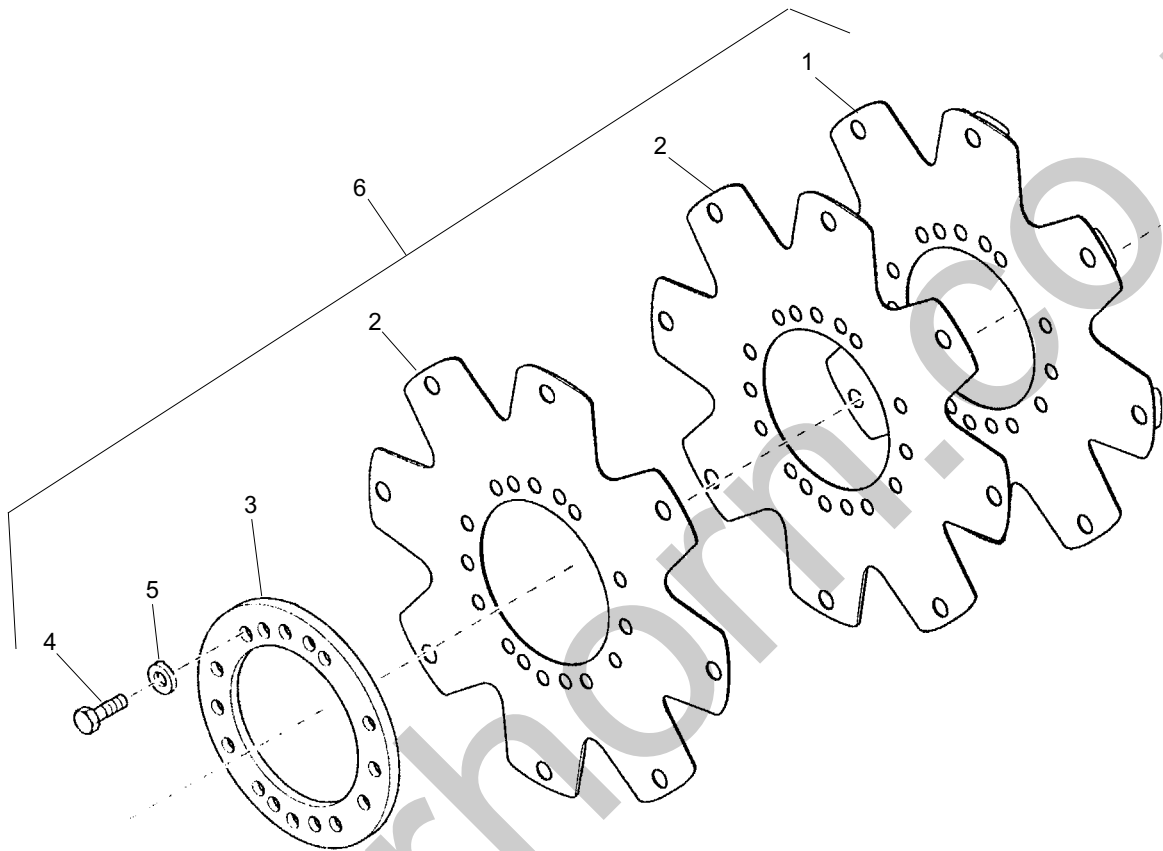
Control Group



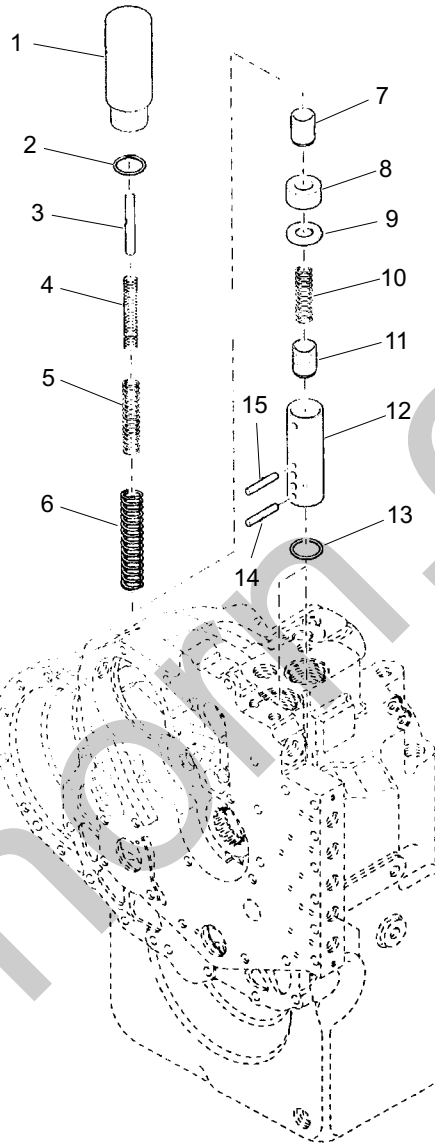
Control Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808329	SOLENOID, W / DEUTSCH CON. . 4 (includes items 2 thru 5)		07	808335	O-RING, 18.0 X 2.20MM 1 (included with item 6)	
02	808330	O-RING, 21.5 X 1.5MM 4 (included with item 1)		08	808331	O-RING, 15.1 X 1.60MM 1 (included with item 6)	
03	808331	O-RING, 15.1 X 1.60MM 4 (included with item 1)		09	808333	O-RING, 12.1 X 1.60MM 1 (included with item 6)	
04	808332	O-RING, 14.1 X 1.60MM 4 (included with item 1)		10	808336	CLAMP, SOLENOID 6	
05	808333	O-RING, 12.1 X 1.60MM 4 (included with item 1)		11	808337	CAPSCREW 12	
06	808334	PLUG, SOLENOID BORE 1 (includes items 7, 8 and 9)		12	808338	WASHER, PLAIN. 12	

Drive Plate Group

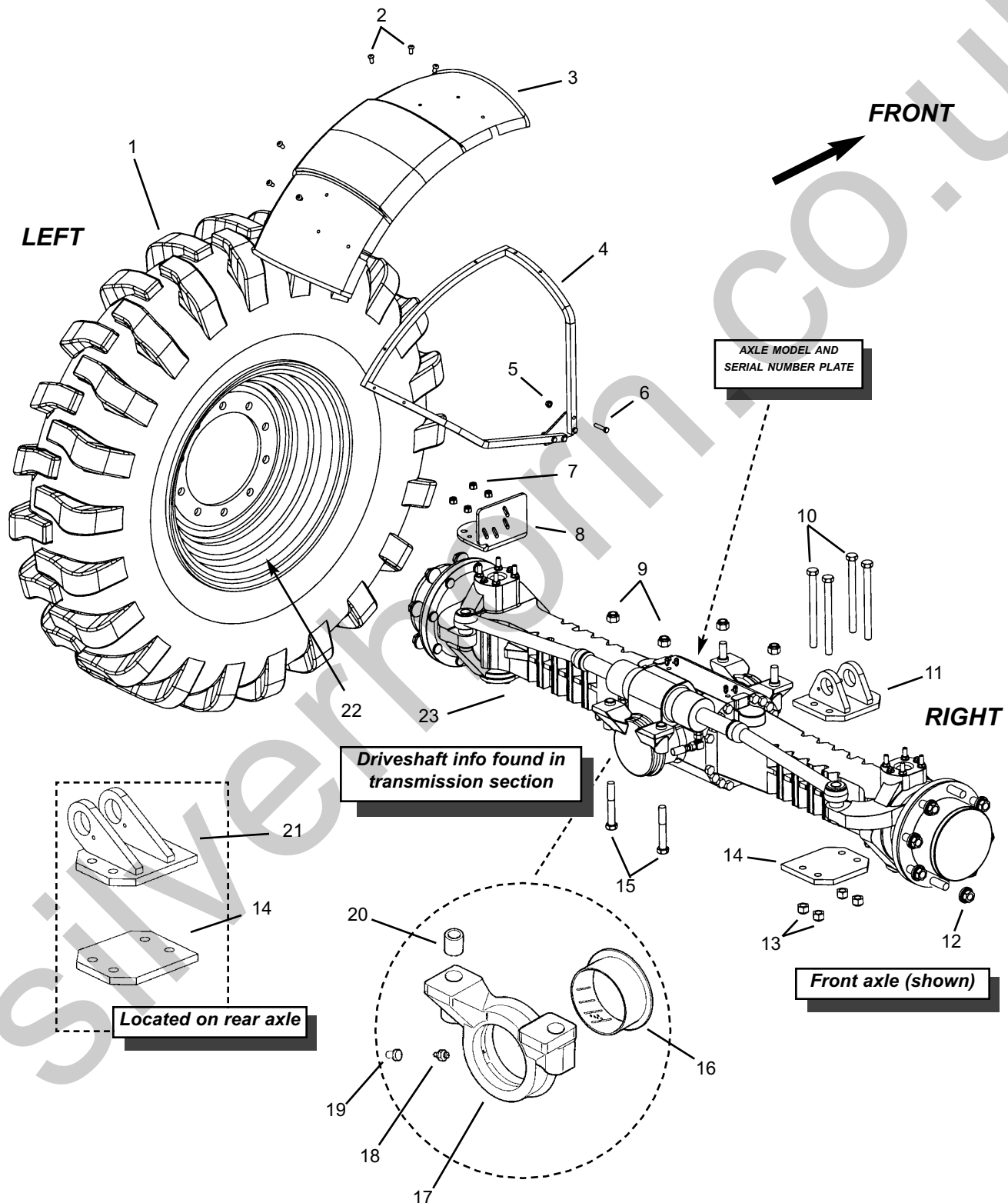


Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	NSS	ASSY/DRIVE PLATE.....1 (included in item 6)	1	04	809133	SCREW/DRIVE PLATE MNTG 6	6
02	NSS	DRIVE PLATE2 (included in item 6)	2	05	809097	LOCKWASHER/DRIVEPLATE 6	6
03	809044	RING/DRIVE PLATE BACKING ... 1	1	06	809045	KIT/DRIVE PLATE ASSY 1 (includes items 1 thru 5)	1

Modulation Valve Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809032	HOUSING MODULATOR VALVE . .	1	09	809041	SPOOL ACCUMULATOR	1
02	809033	O-RING	1	10	809091	SPOOL	1
03	809035	SPRING INNER.	1	11	809038	SPRING.	1
04	809036	SPRING MIDDLE	1	12	809040	RETAINER.	1
05	809042	SPRING OUTER.	1	13	809039	SPACER	1
06	809037	SLEEVE-MODULATION VALVE . .	1	14	809089	PIN-UPPER.	1
07	809043	O-RING	1	15	809090	PIN-LOWER	1
08	809034	PIN STOP	1				

External Components



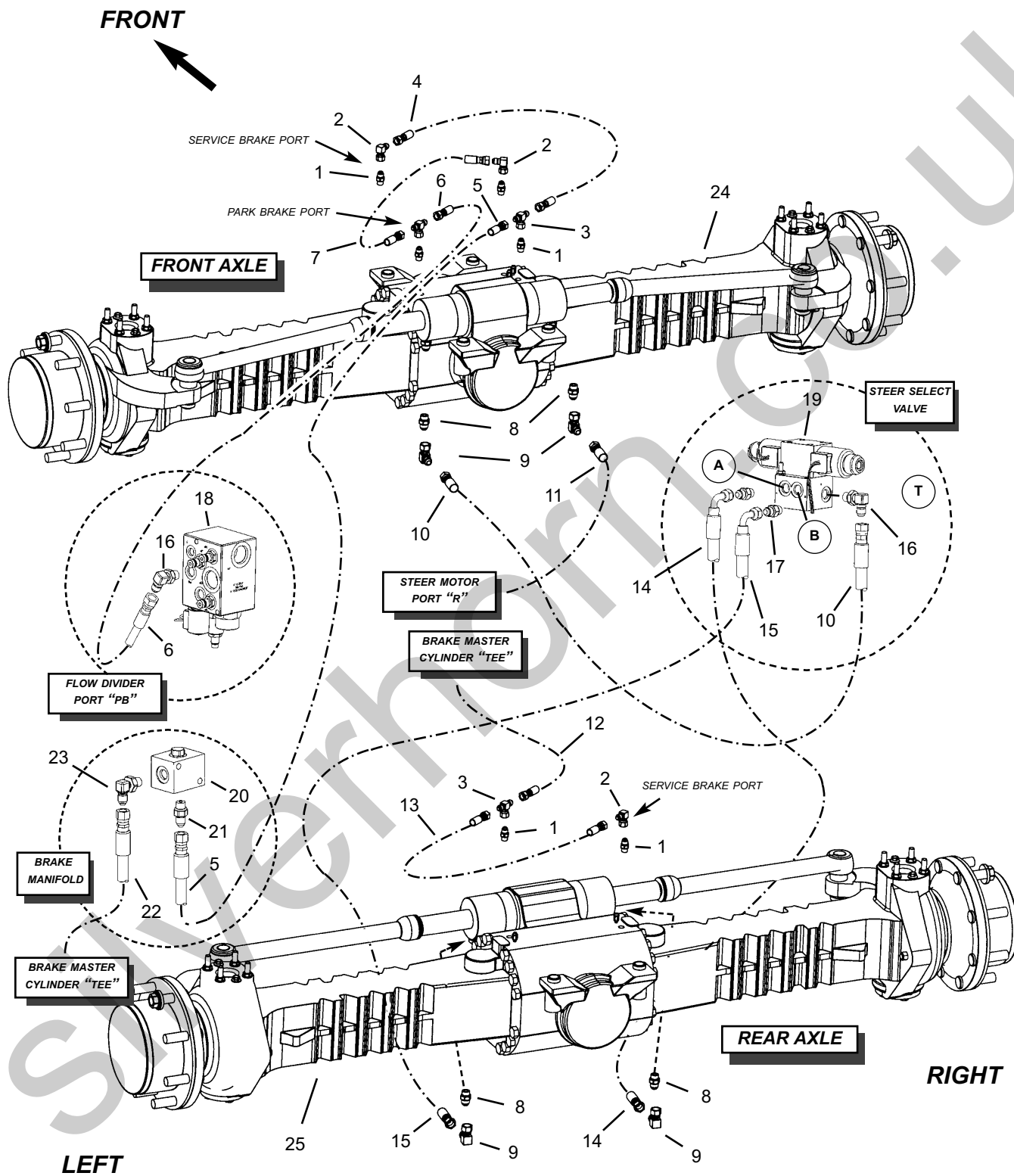
External Components

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		TIRE.....	4	13	808583	3/4"-10 GR8 LOCK NUT.....	8
	808472	13.00X24		14	809199	PLATE, MOUNT.....	2
	809233	13.00X24 (Rock)		15	808418	M20-2.50X130 C10.9 BOLT.....	4
				16	808553	THRUST BUSHING.....	2
02 ^a	808607	3/8"-16 BUTTON HD BOLT.....	6	17	808554	SUPPORT.....	2
03 ^a	809164	FENDER.....	1	18	809046	GREASE FITTING.....	2
04 ^a	808075	FENDER MOUNT (LF/RR).....	1	19	808543	PLUG.....	2
05 ^a	808559	3/8"-16 FLANGE LOCK NUT.....	4	20	808552	REDUCTION BUSHING.....	4
06 ^a	808643	3/8"-16X1-3/4" BOLT.....	4	21	808118	STABILIZER MOUNT (rear axle)...	1
07 ^a	808180	NUT.....	4	22	809234	WHEEL RIM 24X9.00.....	4
08 ^a	808165	MOUNT (LF/RR).....	1	23 ^b		AXLE ASSEMBLY, 212 HY.....	
09	808599	M20-2.5 CLASS 10 LOCK NUT...	4		808107	FRONT (with internal park brake) ..	1
10	808634	3/4"-10X9" GR8 BOLT.....	8		808108	REAR.....	1
11	808109	FRAME LEVEL MNT (front axle)...	1				
12	808876	M22-1.5 WHEEL NUT.....	AR				

a Available only on the left side of the front axle.

b Does not include any other items shown in illustration.

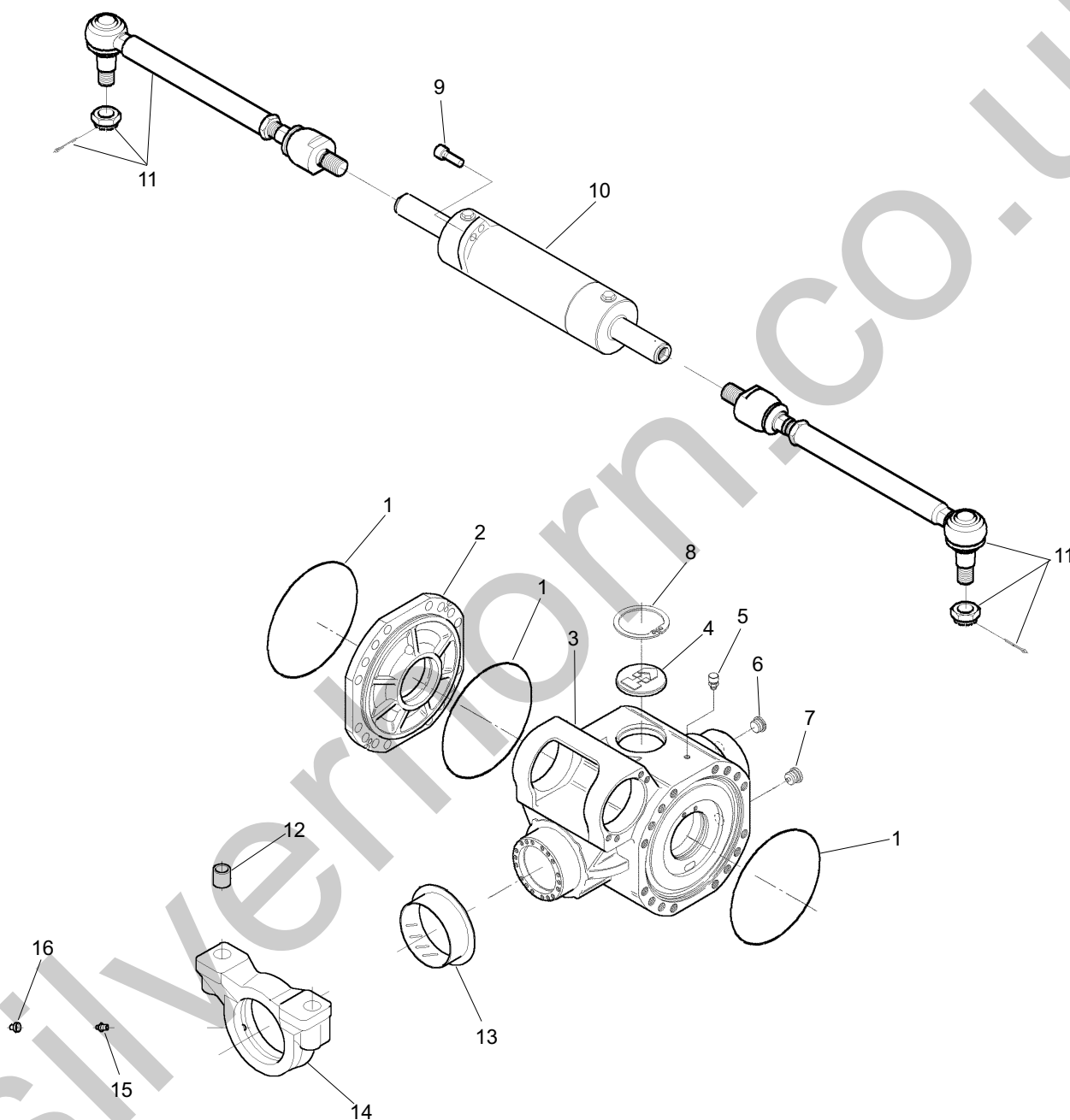
Brake and Steering Lines Group



Brake and Steering Lines Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808804	ADAP, M14X1.5ORM -6JICM	6	14	808885	HOSE, -6 A6/A8 100"	1
02	808679	ADAP, -6JICFS -6JICM 90	3	15	808885	HOSE, -6 A6/A8 100"	1
03	809173	ADAP, -6 SWIVEL TEE	3	16	808455	ADAP, -6ORM -6JICM 90 DEG.	2
04	808884	HOSE, -4 A6/A6 25"	1	17	808443	ADAP, -6ORM -6JICM STR.	2
05	808281	HOSE, -4 A6/A4 66"	1	18	808126	FLOW DIVIDER VALVE	1
06	808278	HOSE, -4 A6/A6 57"	1	19	808877	VALVE, STEER SELECT	1
07	808884	HOSE, -4 A6/A6 25"	1	20	808905	MANIFOLD, BRAKE LINE.	1
08	808076	ADAP, M18 ORM - 8JICM STR.	4	21	808457	ADAP, -4ORM -4JJICM STR.	1
09	808459	ADAP, -8JICFS -8JICM 90	4	22	808280	HOSE, -4 A4/A4 38"	1
10	808287	HOSE, -6 A6/A8 48"	1	23	808656	ADAP, -4ORM -4JICM 90 DEG.	1
11	808286	HOSE, -6 A8/DS8 82"	1	24	808107	AXLE, FRONT (w/ int. park brake)	1
12	808279	HOSE, -4 A4/A6 90"	1	25	808108	AXLE, REAR	1
13	808884	HOSE, -4 A6/A6 25"	1				

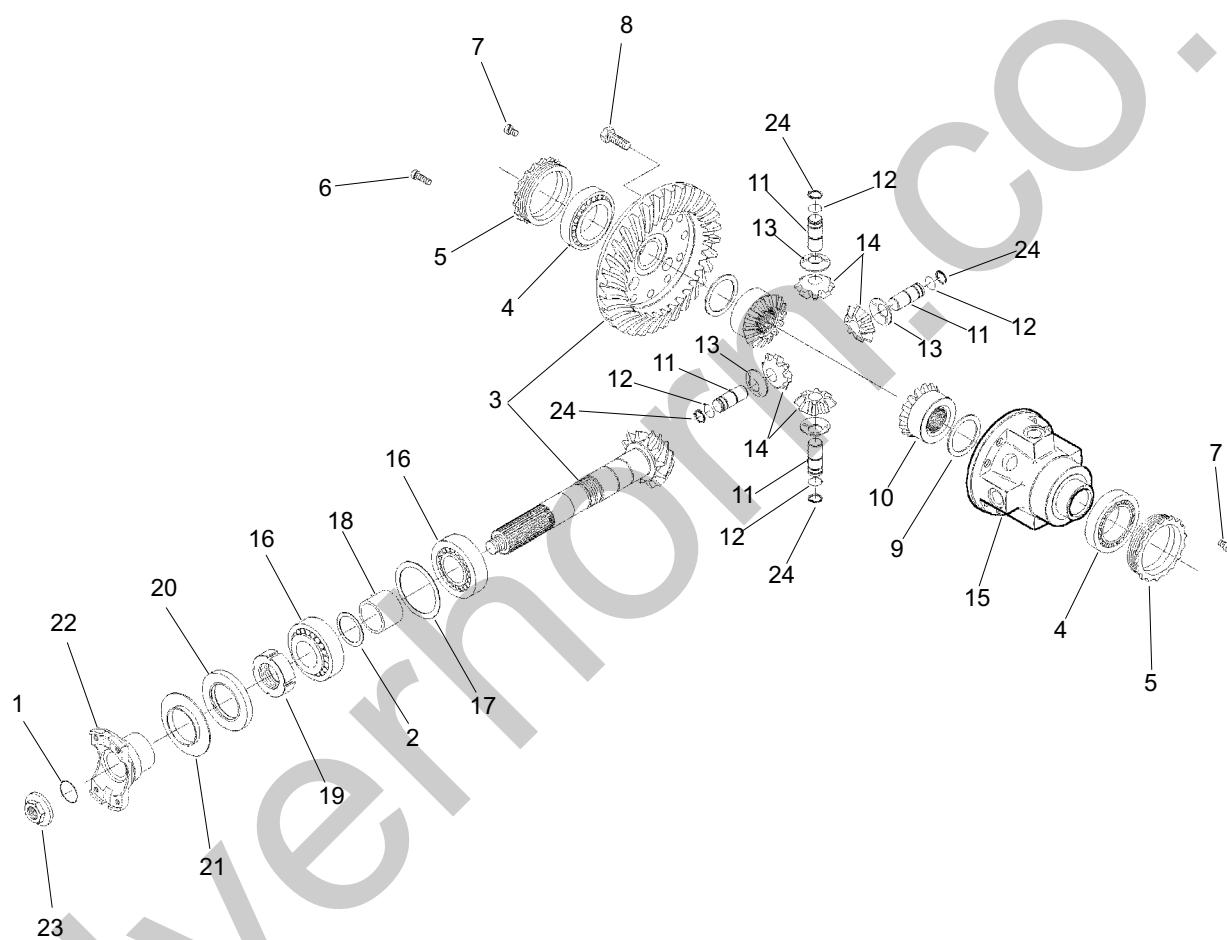
Steering and Center Housing / Front and Rear Axle



Steering and Center Housing / Front and Rear Axle

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
NOTE: All quantities are per axle				09	808551	CYLINDER BOLT	4
01	809057	O-RING	3	10	808171	CYLINDER.....	1
02	808515	INTERMEDIATE COVER	1	11	808172	ARTICULATED TIE ROD	2
03	809235	HOUSING	1	12	808552	REDUCTION BUSHING	4
04	808168	PLUG.....	1	13	808553	THRUST BUSHING.....	2
05	808516	VENT.....	1	14	808554	SUPPORT	2
06	808169	PLUG	1	15	809046	GREASE FITTING.....	2
07	808170	MAGNETIC PLUG.....	1	16	808543	PLUG.....	2
08	809050	CIRCLIP.....	1				

Differential / Front and Rear Axle



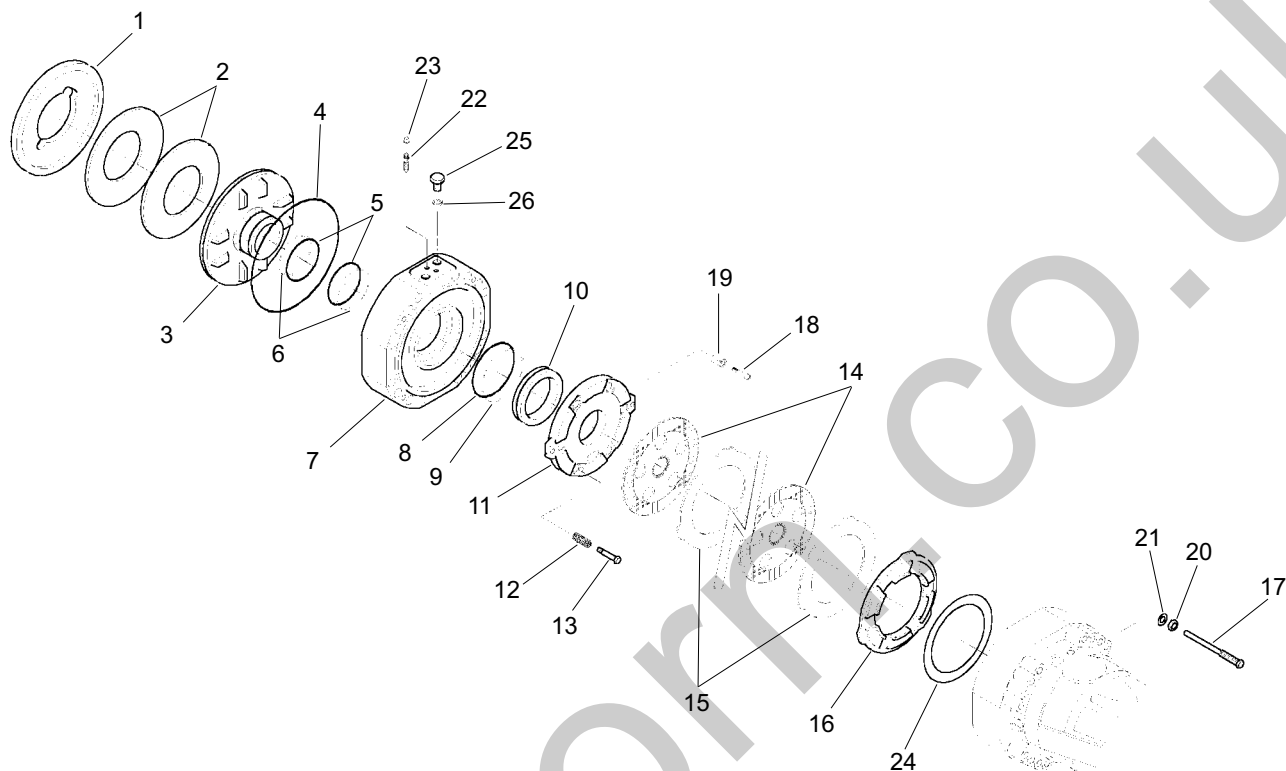
Differential / Front and Rear Axle

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
NOTE: All quantities are per axle				12	808529	CIRCLIP.....	4
01	808517	O-RING	1	13	808530	FRICTION WASHER.....	4
02	808518	SHIM	1	14	808531	DIFFERENTIAL PINION	4
	808519	SHIM	1	15	808532	DIFFERENTIAL CARRIER	1
	808520	SHIM	1	16	809236	TAPER ROLLER BEARING	2
	808521	SHIM	1	17	809055	SHIM	1
03		BEVEL GEAR SET	1		809056	SHIM	1
	808173	(Front Axle)	1		808533	SHIM	1
	808174	(Rear Axle)	1		808534	SHIM	1
04	809051	TAPER ROLLER BEARING	2	18	808535	SPACER	1
05	808522	RING NUT	2	19	809054	RING NUT	1
06	808523	CYLINDER BOLT	4	20	809053	SEAL	1
07	808524	CYLINDER BOLT	2	21	809052	COVER PLATE	1
08	808525	BOLT	12	22	808300	FLANGE	1
09	808526	FRICTION WASHER.....	2	23	808536	NUT	1
10	808527	DIFFERENTIAL SIDE GEAR	2	24	808537	CIRCLIP.....	4
11	808528	PIN.....	4				

Outer End / Front and Rear Axle

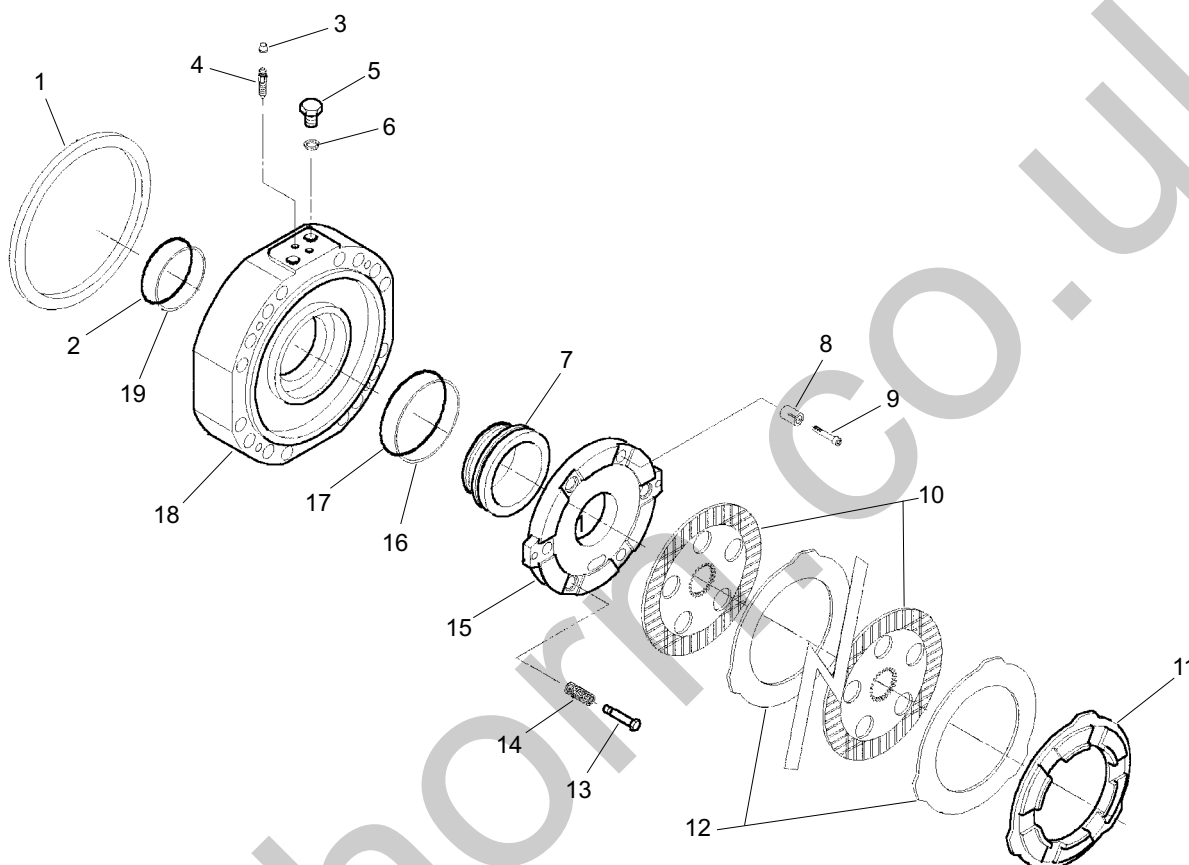
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
NOTE: All quantities are per axle				27	808190	SEAL	2
01	808538	NUT	2	28	808191	BEARING.....	4
02	808175	BOLT	2	29	808192	WHEEL STUD.....	20
03	808176	AXLE CASE.....	2	30	808193	WHEEL HUB	2
04	808178	STUD.....	24	31	808194	O-RING	2
05	808539	WASHER.....	32	32	808195	RING GEAR	2
06	808540	REDUCTION BUSHING	2	33	808196	RING GEAR SUPPORT	2
		(incl. 7, 8, 10 and 42)		34	808197	CIRCLIP.....	6
07	808541	SEAL	2	35	808198	DIFFERENTIAL PINION	6
08	809048	BALL BEARING.....	2	36	808546	COUNTERSUNK BOLT.....	4
09	809049	CIRCLIP.....	2	37	808316	BEARING.....	6
10	808542	O-RING	2	38	808547	STUD.....	20
11	808179	JOINT	2	39	808548	NUT	20
12	808181	THRUST BUSHING.....	2	40	808199	CIRCLIP.....	2
13	808182	BUSHING	2	41	808200	LOCKING PLATE	2
14	808525	BOLT	12	42	809050	CIRCLIP.....	2
15	808313	STUD.....	8	43	808201	SHIM	2
16	808543	PLUG.....	4		808202	SHIM	2
17	809046	GREASE FITTING.....	4		808203	SHIM	2
18	808183	PIVOT PIN.....	2	44	809057	O-RING	2
19	808184	PIVOT PIN.....	2	45	808204	STUD.....	8
20	808185	DUST EXCLUDER	4	46	808205	NUT	32
21	808186	BEARING.....	2	47	808141	STEERING ADJUST BOLT ASY... 4	
22	808187	STEERING CASE (LF and RR) ... 1		48	808206	PLANET GEAR CARRIER	2
		(includes item 12)		49	808876	WHEEL NUT	20
23	808188	SEAL	2	50	808177	WASHER.....	8
24	808170	MAGNET PLUG.....	2	51	808180	NUT	8
25	808169	PLUG.....	4	52	808314	HEXAGON BOLT.....	4
26	808189	STEERING CASE (RF and LR) ... 1		53	808315	BEARING.....	6
		(includes item 12)					

Brakes - Front Axle



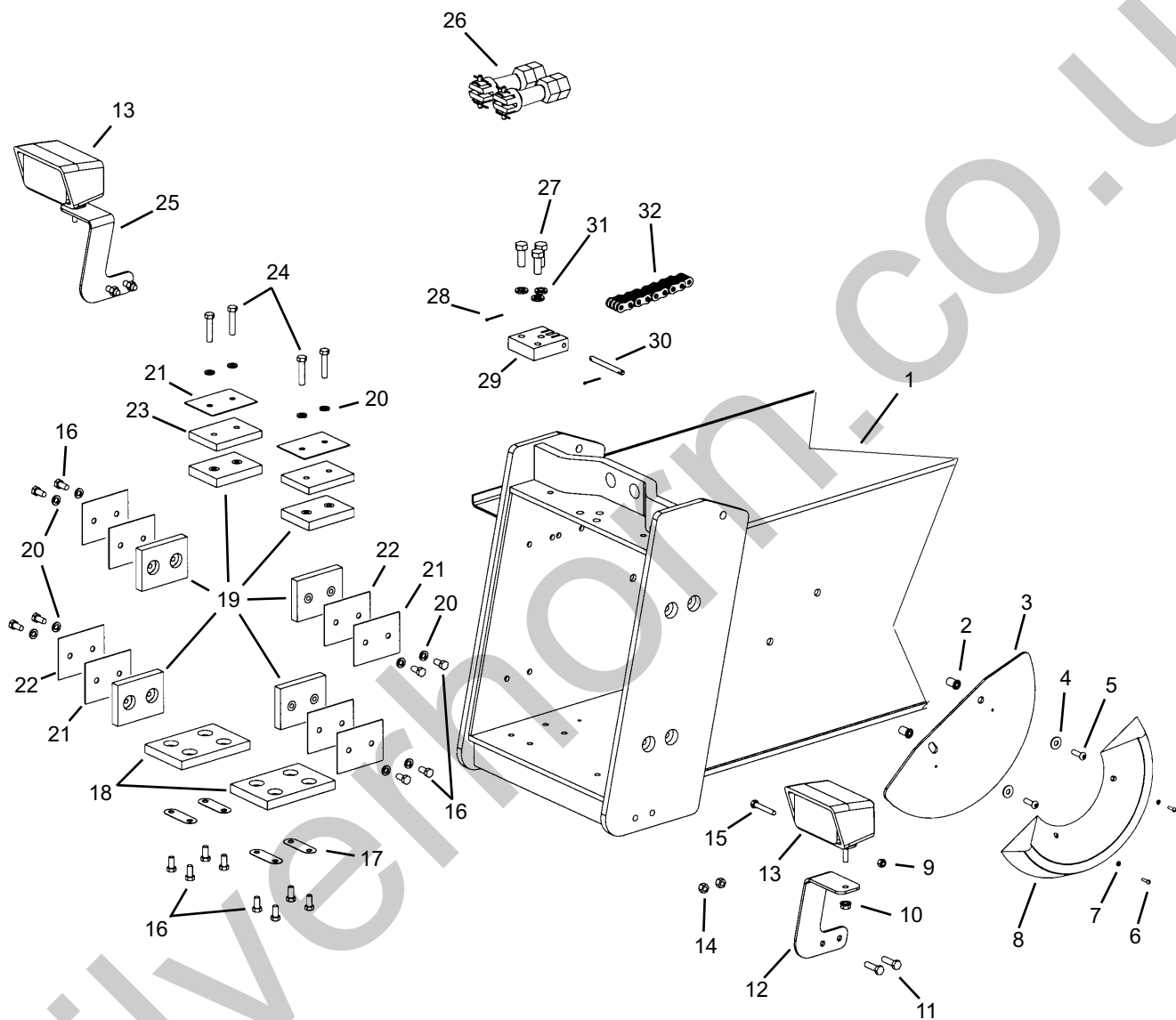
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
NOTE: All quantities are per axle				15	808550	INTERMEDIATE BRAKE DISC	8
01	808207	SPACER	2	16	808219	SPACER	2
02	808208	SPRING	4	17	808220	BOLT	4
03	808209	PISTON	2	18	808221	ADJUSTING BOLT	6
04	808210	O-RING	2	19	808222	SPRING	6
05	808211	O-RING	4	20	808223	NUT	4
06	808212	BACKUP RING	4	21	808224	LOCK WASHER	4
07	808213	COVER	2	22	809058	BLEEDING BOLT	4
08	809047	O-RING	2	23	808543	PLUG	4
09	808214	BACKUP RING	2	24	808225	SHIM	2
10	808215	PISTON	2		808226	SHIM	2
11	808216	INTERMEDIATE BRAKE DISC	2		808227	SHIM	2
12	808217	SPRING	6	25	808228	BOLT	4
13	808218	ADJUSTING BOLT	6	26	808229	SEAL WASHER	4
14	808549	BRAKE DISC	8				

Brakes - Rear Axle



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
NOTE: All quantities are per axle				10	808549	BRAKE DISC.....	8
01	809237	SPACER	2	11	808219	SPACER	2
02	808212	BACK-UP RING.....	2	12	808550	INTERMEDIATE BRAKE DISC....	8
03	808543	PLUG.....	2	13	808218	ADJUSTING BOLT	6
04	809058	BLEEDING BOLT	2	14	808217	SPRING.....	6
05	808228	BOLT	2	15	808216	INTERMEDIATE BRAKE DISC....	2
06	808229	SEAL WASHER.....	2	16	808214	BACKUP RING	2
07	809238	PISTON	2	17	809047	O-RING	2
08	808222	SPRING.....	6	18	809240	COVER	2
09	809239	ADJUSTING BOLT	6	19	808211	O-RING	2

Outer Boom - Front Section



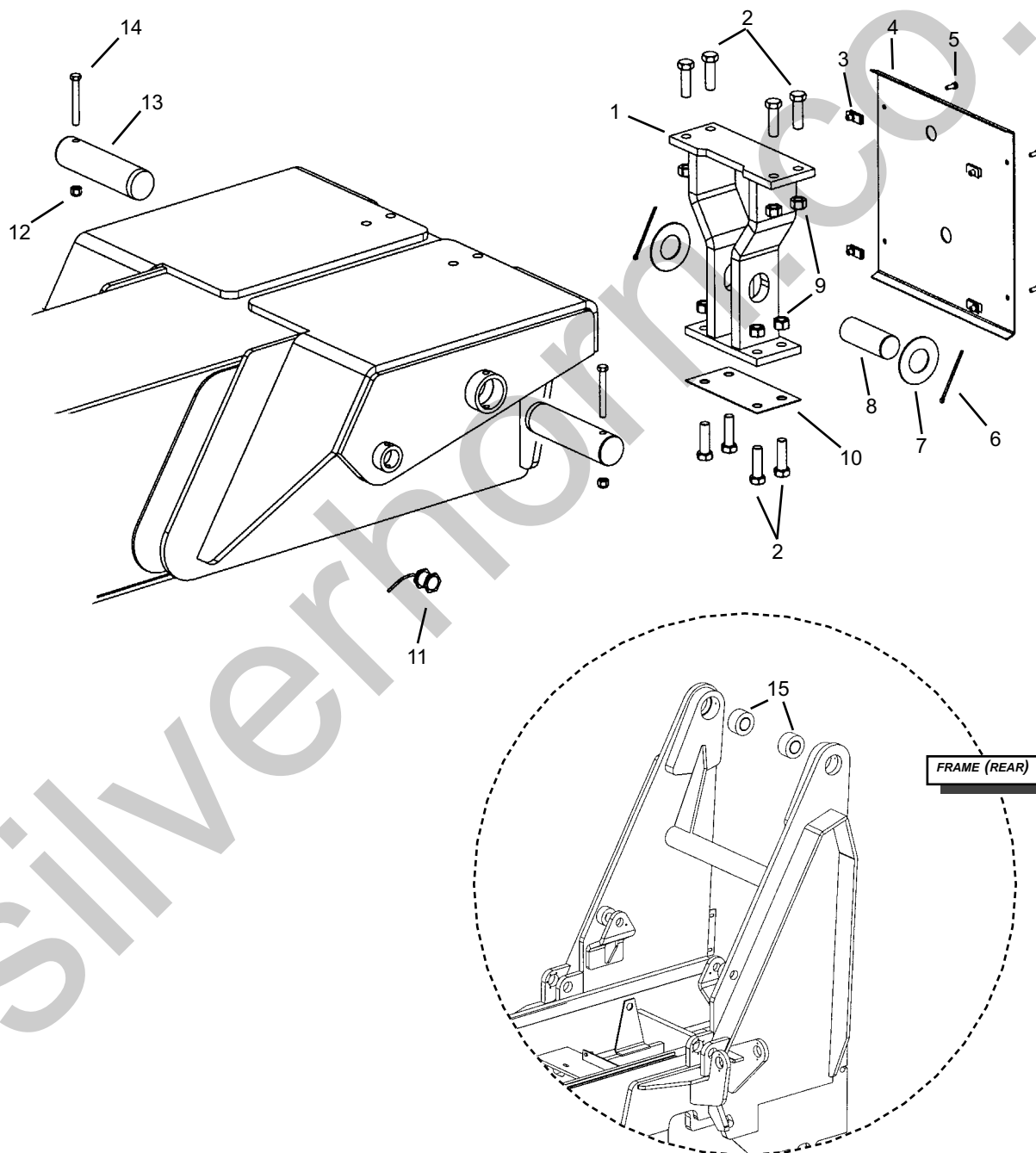
Outer Boom - Front Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		OUTER BOOM WELDMENT	1	19	808693	SLIDE PAD	6
	808119	<i>Used on 42' boom models</i>		20	808593	3/8" LOCK WASHER	12
	808122	<i>Used on 44' boom models</i>		21	808701	1/16"X3"X4" SHIM	6
02	808902	5/16-18 NUT INSERT	2	22	808702	1/8"X3"X4" SHIM	4
03	808800	BOOM ANGLE IND. PLATE	1	23	808745	3/8" PAD SPACER	2
04	808590	5/16" FLAT WASHER	2	24	808621	3/8"-16X1-1/4" BOLT	4
05	808669	5/16-18X1" BUTTON HD BOLT	2	25	808915	BOOM LIGHT BRACKET (RH)	1
06	808624	#8X5/8" RND HD MACH SCREW	2	26	808753	ADJUSTABLE CLEVIS PIN	3
07	808587	#10 LOCK WASHER	2	27	808619	1/2-20X1-1/4" GRD 8 BOLT	3
08	808799	INCLINOMETER - ANGLE IND.	1	28	808673	3/32X1-1/4" COTTER PIN	2
09	808662	5/16-18 NYLON INSERT NUT	2	29	808757	CLEVIS	1
10	808559	3/8-16 FLARE NUT	2	30	808762	CHAIN PIN	1
11	808668	3/8-16X1-1/4" BOLT	4	31	808596	1/2" LOCK WASHER	3
12	808916	BOOM LIGHT BRACKET (LH)	1	32	Note a	LEAF CHAIN	3
13	808890	WORK LIGHT	2				
	808906	LIGHT HARNESS (not shown)					
14	808663	3/8-16 NYLON INSERT NUT	4	a	Refer to Intermediate Boom - Chain Group for a listing of chain components.		
15	808642	5/16-18X2" BOLT	2				
16	808606	3/8"-16X3/4" BOLT	16				
17	808696	FLAT-BOLT LOCK	4				
18	808692	SLIDE PAD	2				

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

Outer Boom - Rear Section

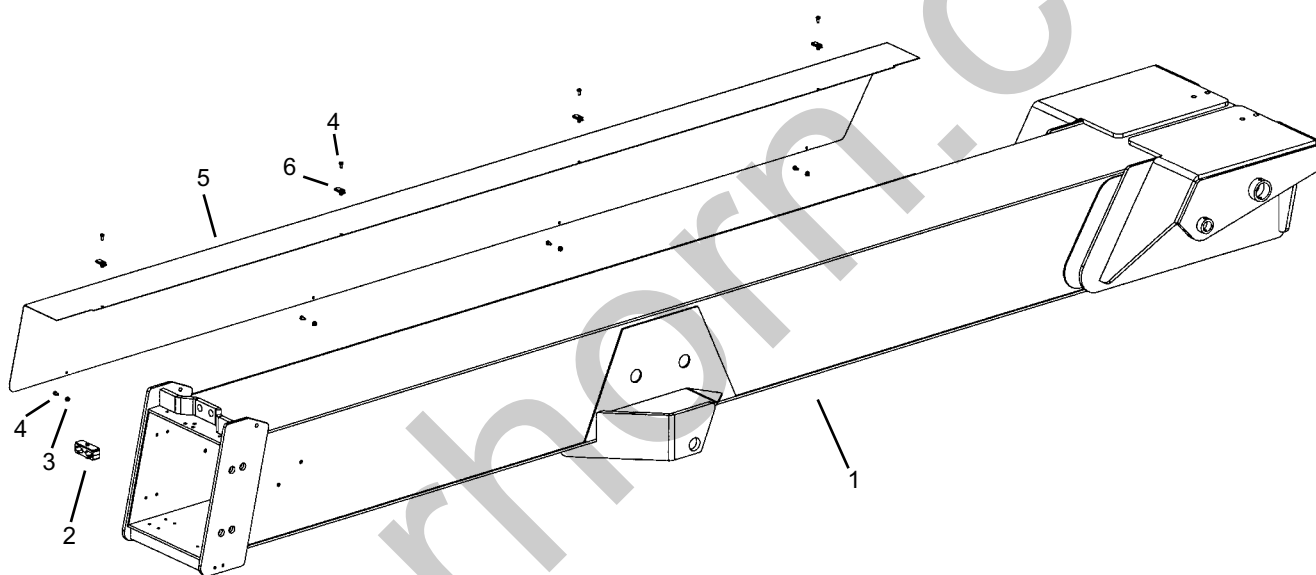


Outer Boom - Rear Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808128	EXTEND CYLINDER, WELDMENT	1	10	808904	SHIM, TRUNNION.....	1
02	808414	3/4"-10X3" BOLT GR8	8	11	808929	SWITCH, PROXIMITY.....	1
03	808671	5/16" FASTENER, RETAINED	4	12	808665	1/2"-13 NYLON INSERT NUT.....	2
04	808251	COVER, REAR BOOM	1	13	808742	PIN, BOOM	2
05	808603	5/16"-18x3/4" BOLT	4	14	808648	1/2"-13X4" BOLT	2
06	808631	PIN, COTTER 3/16"X4".....	2	15	808950	BEARING, SELF ALIGNING	2
07	808429	WASHER, THRUST	2				
08	808888	PIN, ROD END	1				
09	808626	3/4"-10 NYLON INSERT NUTS....	8				

a Refer to Intermediate Boom - Chain Group for a listing of chain components.

Outer Boom - Side Cover



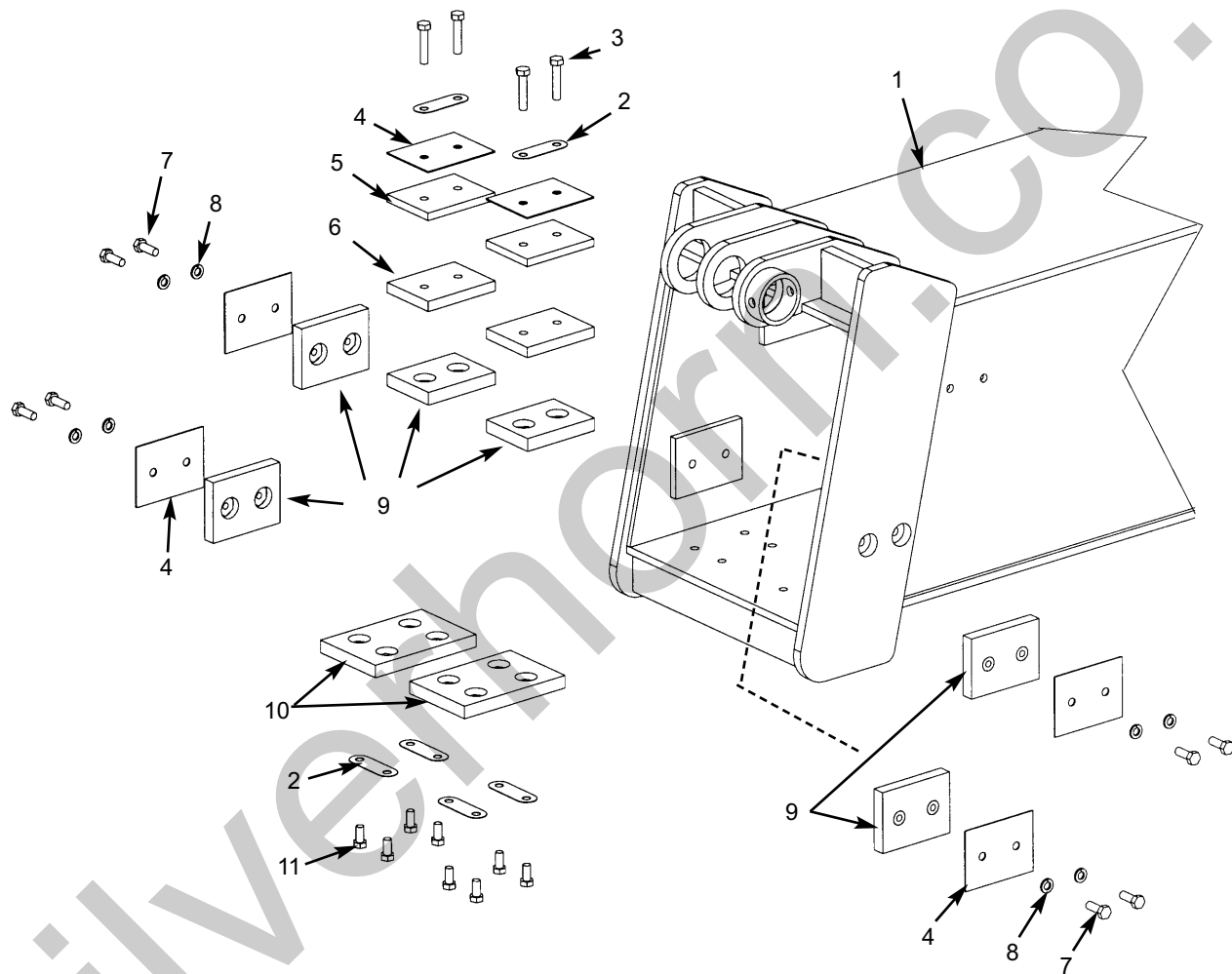
Outer Boom - Side Cover

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		OUTER BOOM WELDMENT	1	03	808555	5/16"-18 WHIZ LOCK NUT	4
	808119	<i>Used on 42' boom models</i>		04	808653	5/16"-18X5/8" BOLT	8
	808122	<i>Used on 44' boom models</i>		05	808125	COVER, BOOM SIDE	1
02	808949	CLAMP ASSEMBLY	1	06	808671	5/16" FASTENER, RETAINED	4

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

Intermediate Boom - Front Section



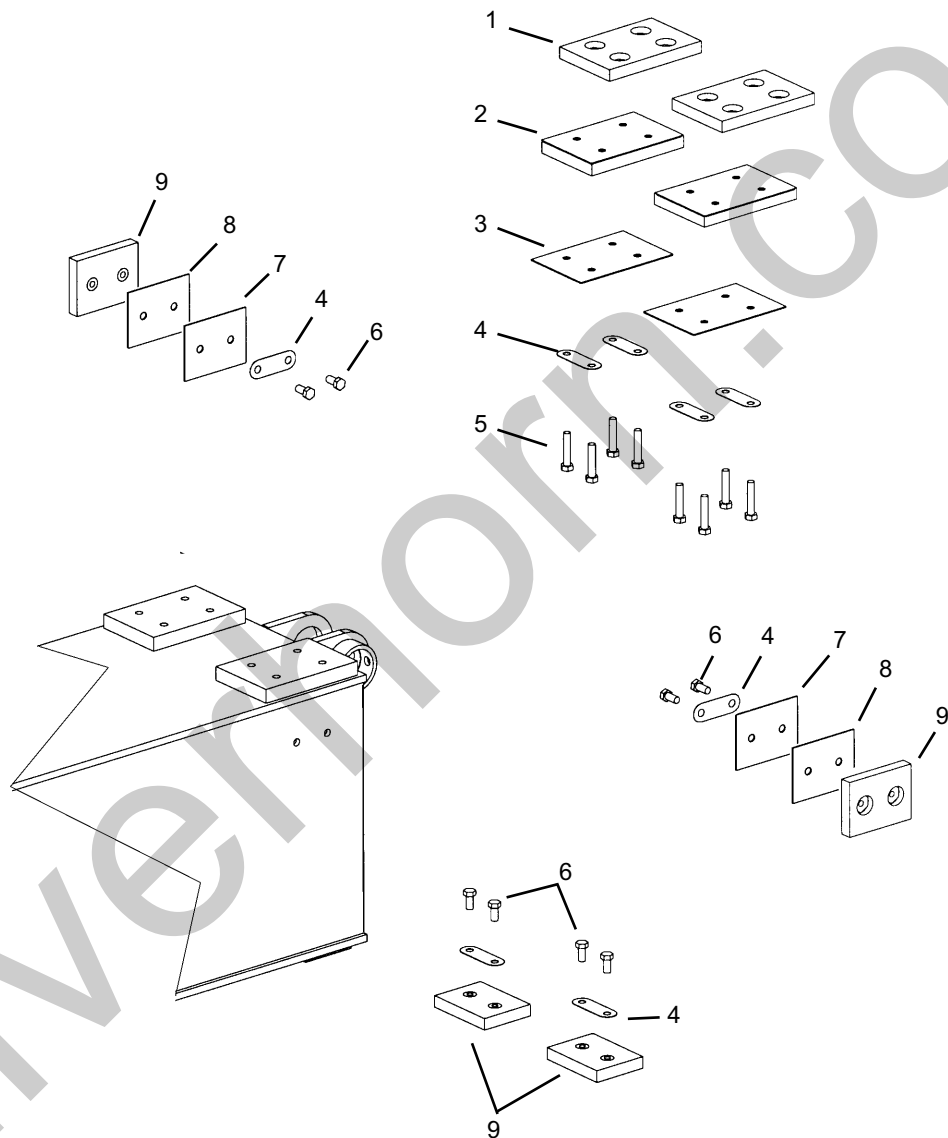
Intermediate Boom - Front Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		INTERMEDIATE WELDMENT.	1	06	808747	1/2"X3"X4" SHIM.	2
	808120	<i>Used on 42' boom models</i>		07	808617	3/8"-16X1" BOLT.	8
	808123	<i>Used on 44' boom models</i>		08	808593	3/8" LOCK WASHER.	8
02	808696	FLAT-BOLT LOCK.	6	09	808693	SLIDE PAD.	6
03	808608	3/8"-16X1-1/2" BOLT.	4	10	808692	SLIDE PAD.	2
04	808701	1/16"X3"X4" SHIM.	6	11	808606	3/8-16X3/4" BOLT.	8
05	808702	1/8"X3"X4" SHIM.	2				

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

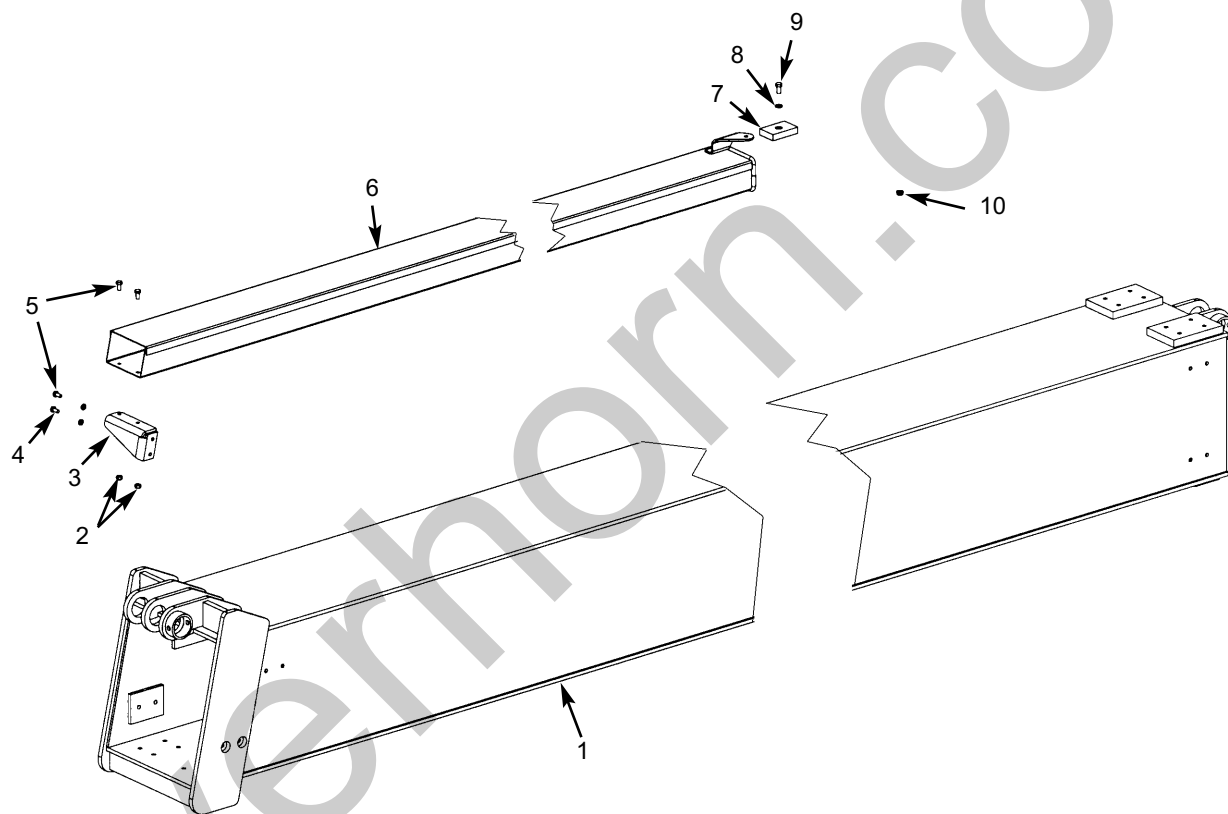
Intermediate Boom - Rear Section



Intermediate Boom - Rear Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808692	SLIDE PAD	2	05	808621	3/8-16X1-1/4" BOLT	8
02	808746	1/2"X4"X6" SPACER	2	06	808606	3/8-16X3/4" BOLT	8
03	808700	1/16"X4"X6" SHIM	2	07	808701	1/16"X3"X4" SHIM	2
04	808696	FLAT-BOLT LOCK	10	08	808702	1/8"X3"X4" SHIM	2
				09	808693	SLIDE PAD	4

Intermediate Boom - Hose Tray Group



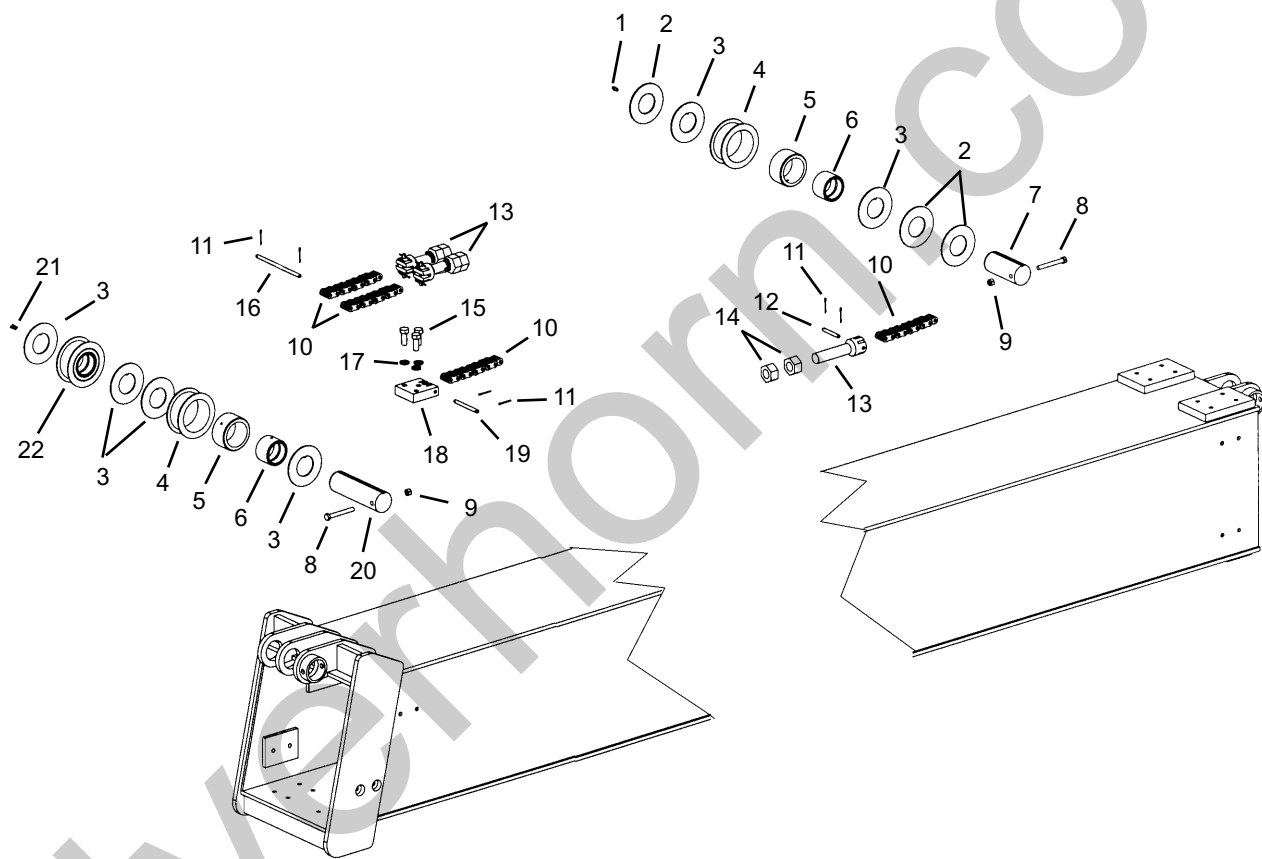
Intermediate Boom - Hose Tray Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		INTERMEDIATE WELDMENT. 1		06		TRAY WELDMENT. 1	
	808120	<i>Used on 42' boom models</i>			808865	<i>Used on 42' boom models</i>	
	808123	<i>Used on 44' boom models</i>			808866	<i>Used on 44' boom models</i>	
02	808662	5/16-18 NYLON INSERT NUT 2		07	808691	2X3X1 SLIDE PAD 1	
03	808869	TRAY BRACKET 1		08	808593	3/8" LOCK WASHER..... 1	
	809241	PLATE, CUSHION MNT (<i>weld on</i>)		09	808606	3/8-16X3/4" BOLT 1	
04	808591	5/16" LOCK WASHER..... 2		10	808555	5/16-18 FLARE NUT..... 1	
05	808653	5/16-18X5/8" BOLT 4					

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

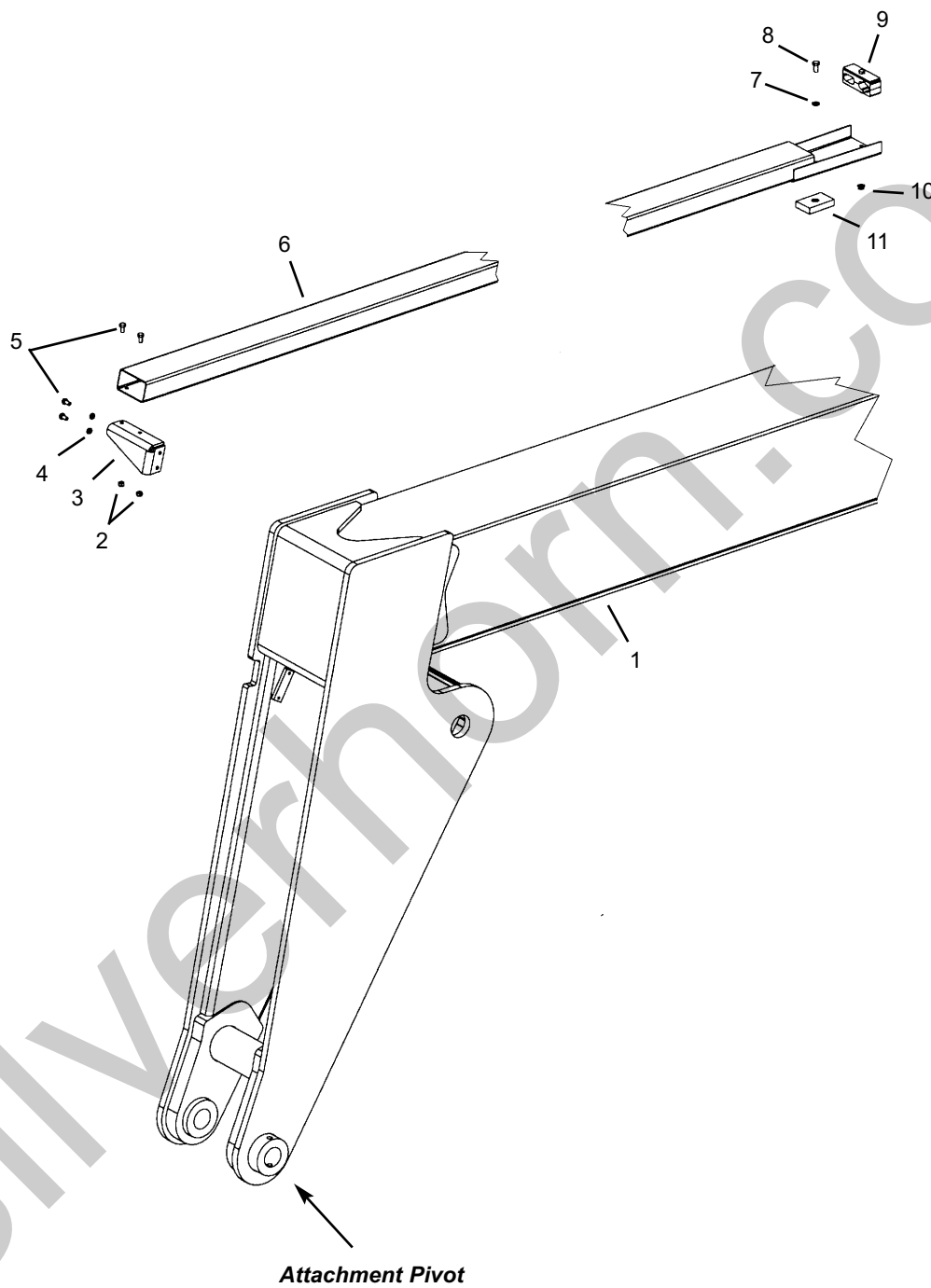
Intermediate Boom - Chain Group



Intermediate Boom - Chain Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808423	1/4-28 ZERK, 90 DEG.	1	13	808753	ADJUSTABLE CLEVIS	3
02	808429	THRUST WASHER	3	14	808584	1"-8 NUT	6
03	808931	CHAIN SHEAVE WASHER	6	15	808619	1/2-20X1-1/4" BOLT	3
04	808754	CHAIN SHEAVE	3	16	808761	PIN, REAR CHAIN LOW INNER. .	1
05	808477	ROLLER BEARING	3	17	808596	1/2" LOCK WASHER.	3
06	808478	INNER RING	3	18	808757	CLEVIS, TOP REAR INNER.	1
07	808932	REAR SHEAVE PIN	1	19	808762	PIN, CHAIN REAR UPPER INNR. .	1
08	808610	3/8-16X3 BOLT	3	20	808930	PIN, CHAIN SHEAVE	1
09	808663	3/8-16 NYLON INSERT NUT	2	21	808424	1/4-28 ZERK, STR.	1
10	808116	LEAF CHAIN	3	22	NSS	(Items 4, 5 and 6 are shown preassembled.)	
		(BL646 leaf 259 pitches)					
11	808673	3/32X1-1/4 COTTER PIN	10				
12	808760	CHAIN ADJUST CLEVIS PIN	3				

Inner Boom - Front Section



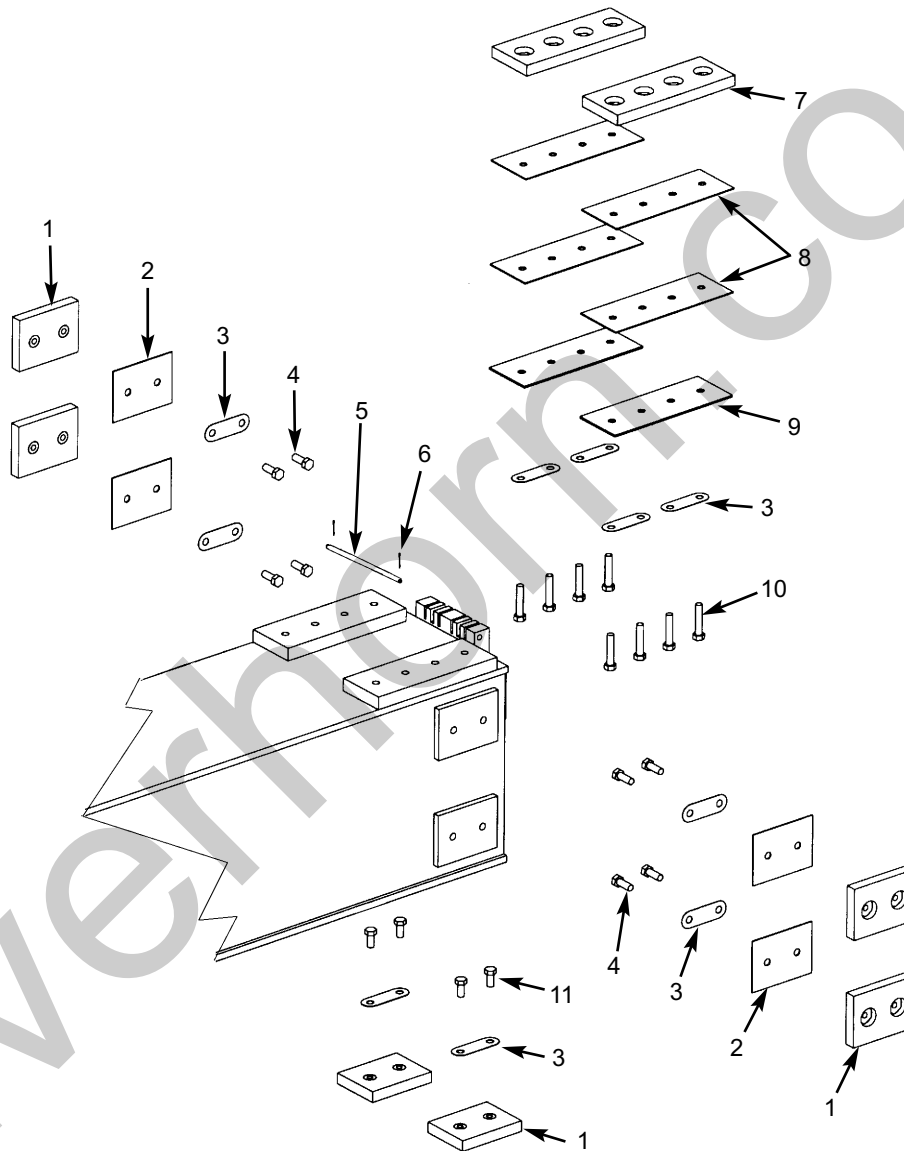
Inner Boom - Front Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01		INNER WELDMENT	1	06		INNER TRAY WELDMENT	1
	808121	<i>Used on 42' boom models</i>			808867	<i>Used on 42' boom models</i>	
	808124	<i>Used on 44' boom models</i>			808868	<i>Used on 44' boom models</i>	
02	808662	5/16-18 NYLON INSERT NUT	2	07	808593	3/8" LOCK WASHER	1
03	808870	INNER TRAY BRACKET	1	08	808606	3/8"-16X3/4" BOLT	1
	809242	PLATE, CUSHION MNT (<i>weld on</i>)		09	808949	HOSE CLAMP ASSEMBLY	1
04	808591	5/16" LOCK WASHER	2	10	808555	5/16-18 FLARE NUT	1
05	808653	5/16-18X5/8" BOLT	4	11	808691	2X3X1" SLIDE PAD	1

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

Inner Boom - Rear Section

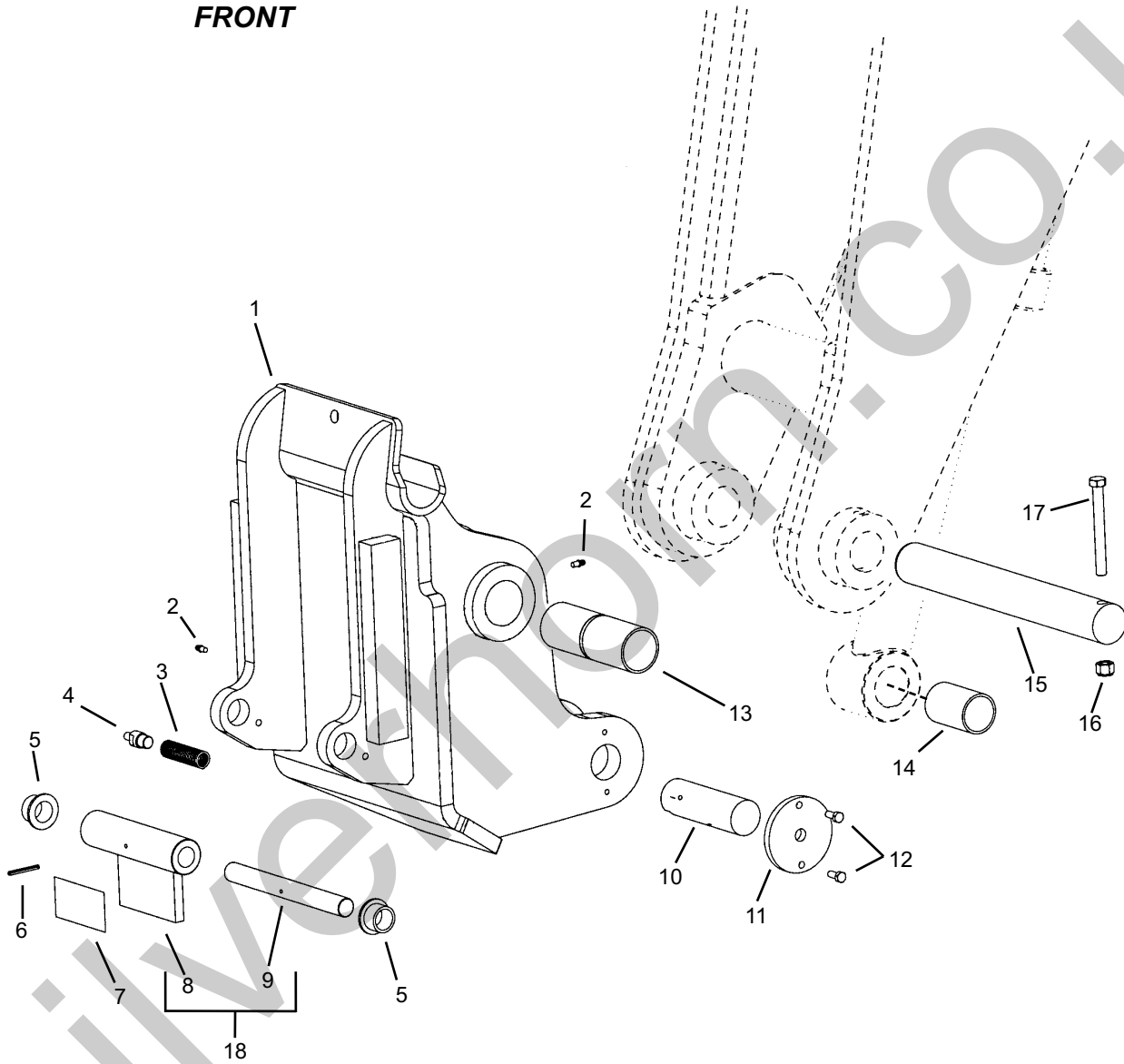


Inner Boom - Rear Section

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808693	SLIDE PAD	6	07	808817	SLIDE PAD	2
02	808701	0.06X3X4 SHIM.....	4	08	808818	0.06X3X8" SHIM.....	AR
03	808696	FLAT-BOLT LOCK.....	10	09	808819	0.105X3X8" SHIM	2
04	808617	3/8-16X1" BOLT.....	8	10	808643	3/8-16X1-3/4" BOLT	8
05	808761	PIN, CHAIN REAR LOW INNER... 1		11	808606	3/8-16X3/4" BOLT	4
06	808673	3/32X1-1/4" COTTER PIN.....	2				

Quickattach

FRONT

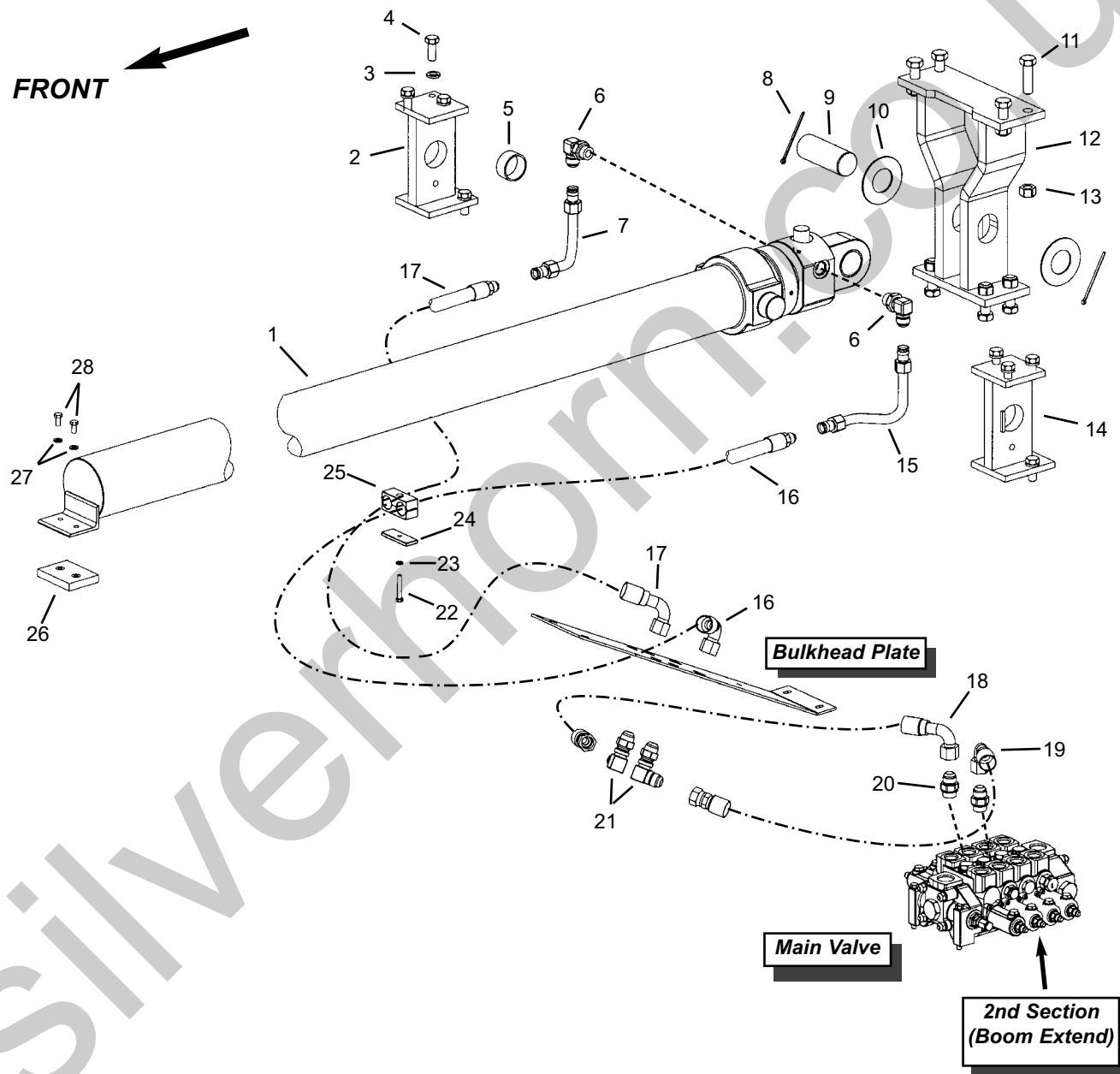


Quickattach

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808082	QUICKATTACH WELDMENT	1	12	808603	5/16"X3/4" BOLT	2
02	808424	1/4" -28 STR GREASE ZERK	2	13	808085	BUSHING	1
03	808786	LOCK SPRING	1	14	809150	BUSHING, TILT CYL. (rod end)	1
04	808787	SPRING MOUNT.	1	15	808130	PIN, QUICKATTACH PIVOT	1
05	808811	BUSHING	2	16	808665	1/2"-13 NYLON INSERT NUT	1
06	808633	3/16"X1-3/4" ROLL PIN	1	17	808651	1/2"-13X4-1/2" BOLT GR8.	1
07	808038	DECAL, QUICKATTACHUNLOCKED	1	18	808810	LOCK AND PIN ASSEMBLY	1
08 ^a	NSS	LOCK WELDMENT	1			(Includes items 6, 8 and 9)	
09 ^a	NSS	PIN.	1				
10	808875	PIN, TILT CYLINDER	1				
11	808873	PIN CAP	1				

*a Not sold seperately, order item #18
P/N 808810 Lock and Pin Assembly*

Extend Cylinder Group



Extend Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01 ^a		EXTEND CYLINDER..... 1		16	808752	HOSE, -12 A12/DS12 48"..... 1	
	808160	USED ON 42' BOOM		17	808752	HOSE, -12 A12/DS12 48"..... 1	
	808161	USED ON 44' BOOM		18	808290	HOSE, -12 A12/DS12 18"..... 1	
02	808770	TRUNNION MOUNT (RH)..... 1		19	808290	HOSE, -12 A12/DS12 18"..... 1	
		(Includes item 5)		20	808442	ADAP -12ORM -12JICM STR. 2	
03	808597	5/8" LOCK WASHER..... 10		21	808463	ADAP -12JICM BLKHD 90 DEG... 4	
04	808614	5/8-11x1-1/2" BOLT..... 10		22	808642	5/16"-18X2 GR5 BOLT..... 1	
05	808475	BUSHING 2.0" ID X 1.0" LENGTH. 2		23	808591	5/16" FLAT WASHER..... 1	
06	808453	ADAP -12ORM -12JICM 90 DEG.. 2		24	808150	PLATE, TOP CLAMP..... 1	
07	808159	EXTEND CLYINDER TUBE (RH) .. 1		25	808149	CLAMP BODY TWIN CUSHION... 1	
08	808631	3/16X4" COTTER PIN..... 2		26	808693	SLIDE PAD..... 1	
09	808888	EXTEND CYLINDER PIN..... 1		27	808593	3/8" LOCK WASHER..... 2	
10	808429	THRUST WASHER..... 2		28	808606	3/8-16X3/4" BOLT..... 2	
11	808414	3/4-10X3" GR8 BOLT..... 8					
12	808128	WELDMENT, EXTEND CYL MNT.. 1					
	808904	TRUNNION SHIM (not shown)... 1		a		Refer to Hydraulic Breakdown Section for individual cylinder components.	
13	808626	3/4-10 NYLON INSERT NUT..... 8					
14	808759	TRUNNION MOUNT (LH)..... 1					
		(Includes item 5)					
15	808158	EXTEND CYLINDER TUBE (LH) .. 1					

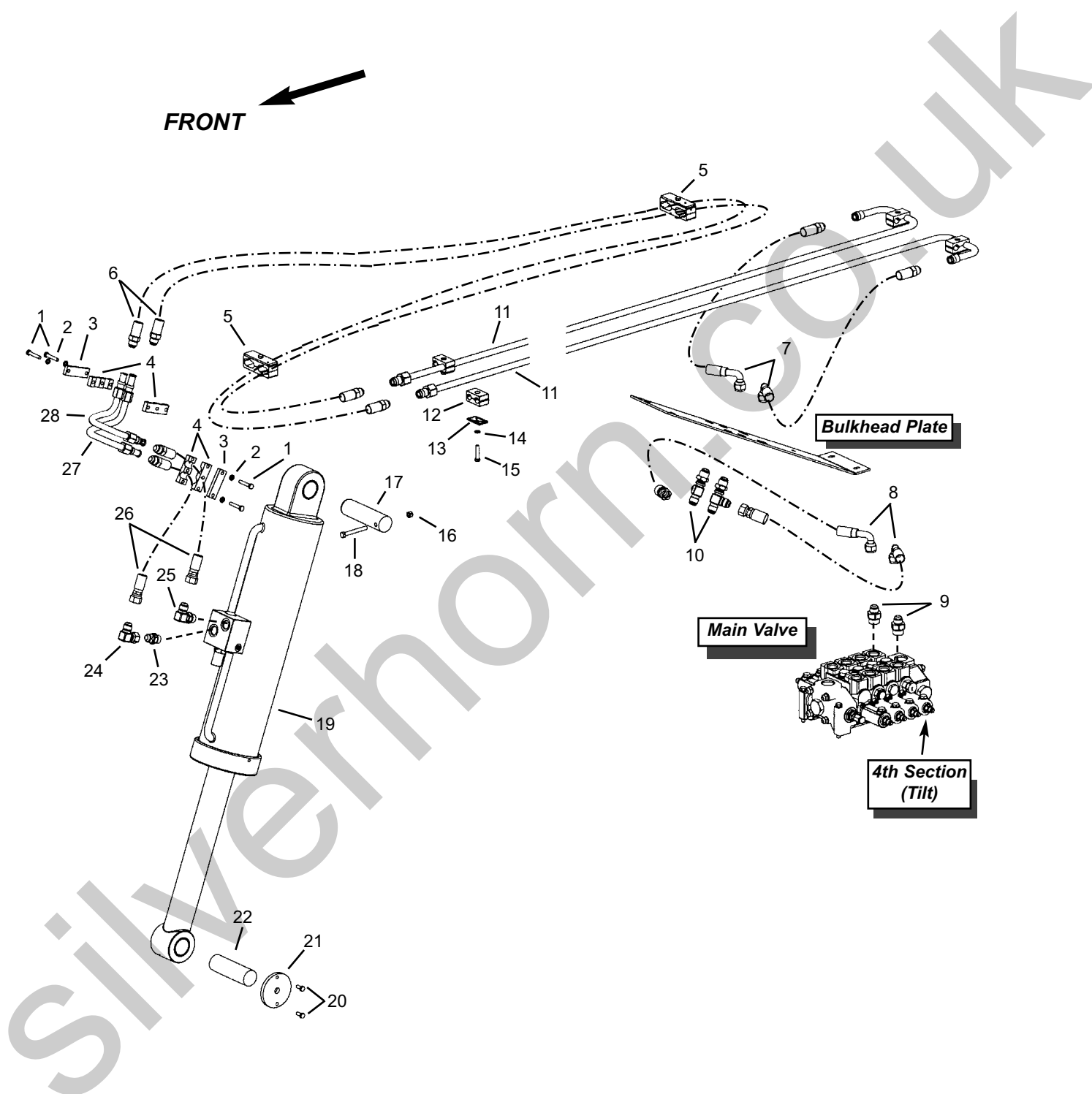
MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

HOSE LOCATOR

16	EXTEND CYLINDER "LEFT SIDE" (extend)	BULKHEAD PLATE "LEFT SIDE"
17	EXTEND CYLINDER "RIGHT SIDE" (retract)	BULKHEAD PLATE "RIGHT SIDE"
18	MAIN VALVE "BOOM EXTEND" (retract; right side)	BULKHEAD PLATE "RIGHT SIDE"
19	MAIN VALVE "BOOM EXTEND" (extend; left side)	BULKHEAD PLATE "LEFT SIDE"

Tilt Cylinder Group



Tilt Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808628	5/16"-18X1-3/4" BOLT	AR	18	808610	3/8"-16X3" BOLT	1
02	808591	5/16" FLAT WASHER	AR	19	808859	TILT CYLINDER - 5.5X20.0.	1
03	808727	HOSE CUSHION TOP PLATE	2	20	808603	5/16-18X3/4" BOLT	2
04	808832	TUBE CUSHION DBL 5/8"	4	21	808873	PIVOT PIN CAP	1
05	808949	HOSE CLAMP ASSEMBLY	2	22	808875	PIN, TILT CYL ROD END	1
06		BOOM HOSES	1	23	808449	ADAP, -10ORM -10JICM STR.	1
		Note a		24	809172	ADAP, -10JICFS -10JICM 90 DEG.	1
		Note b		25	808657	ADAP -10ORM -10JICM 90 DEG	1
07	808272	HOSE -8 H10/DS10 42"	2	26	808893	HOSE, -8 A10/H10 20"	2
08	808291	HOSE -8 A10/DS10 25"	2	27	808864	TILT CYLINDER TUBE	1
09	809171	ADAP, -12ORM -10JICM	2	28	808863	TILT CYLINDER TUBE	1
10	809243	ADAP, -10 BULK HD TEE	2				
11	808162	TILT CYLINDER TUBE	2				
12	808880	CLAMP, DBL TUBE .62"	6	a	42' BOOM models; Uses (1) 808582 protective sleeve and (2) 808894 Hose, -8 H10/H10 360"		
13	808881	PLATE, TOP DBL CUSHION.	6				
14	808591	5/16" FLAT WASHER	6				
15	808645	3/8"-16X1-1/2" BOLT	6				
16	808663	3/8" NYLON INSERT NUT	1	b	44' BOOM models; Uses (1) 808582 protective sleeve and (2) 808886 Hose, -8 H10/H10 380"		
17	808871	PIN, TILT CYL BASE END	1				

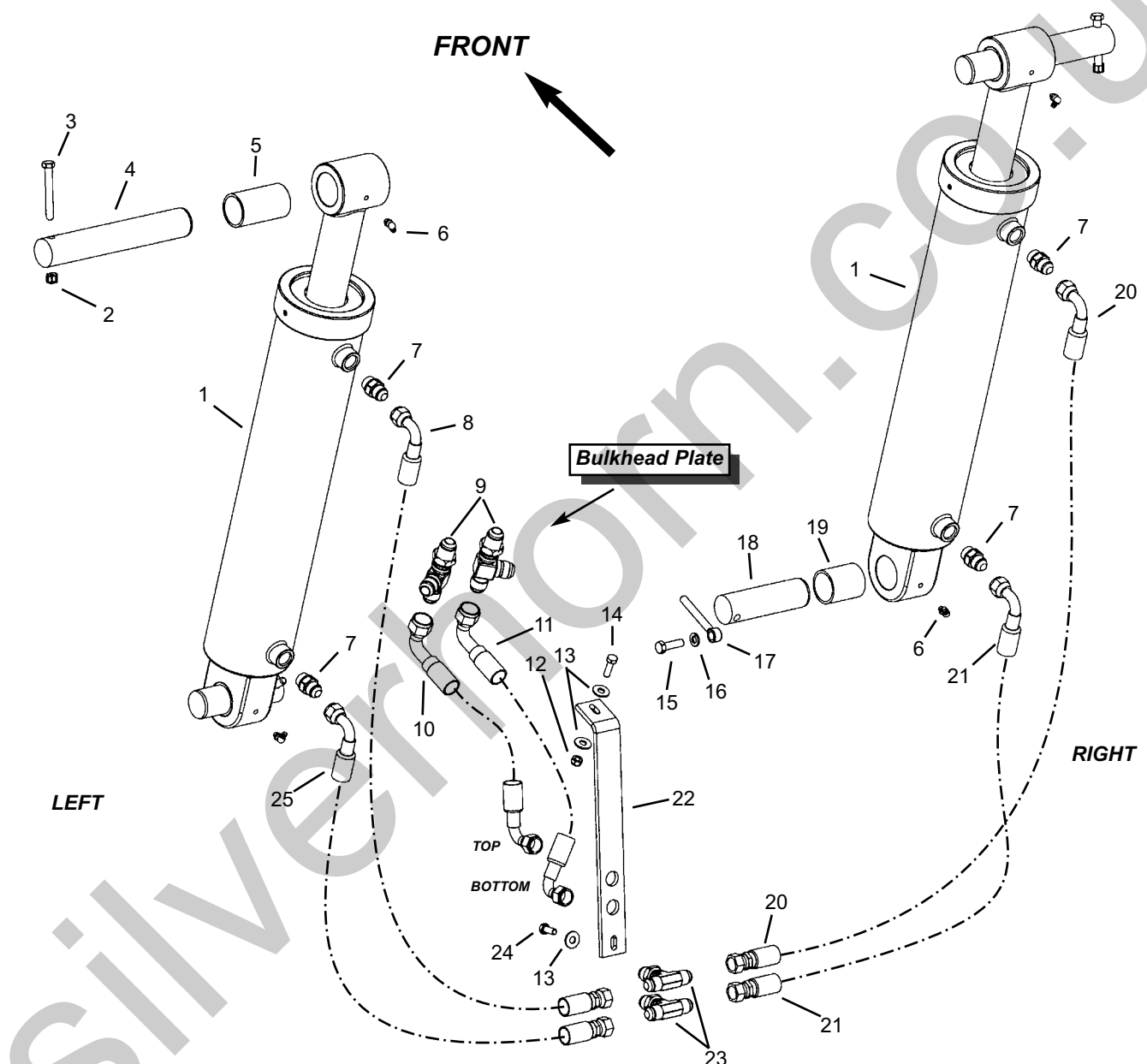
MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

HOSE LOCATOR

06	HYDRUALIC TILT TUBES (under boom)	HYDRAULIC TUBES (upper front boom)
07	BULKHEAD PLATE (tee fitting)	HYDRUALIC TILT TUBES (under boom)
08	MAIN VALVE (tilt section - 4th from front)	BULKHEAD PLATE (tee fitting)
26	HYDRUALIC TUBES (upper front boom)	TILT CYLINDER

Slave Cylinder Group



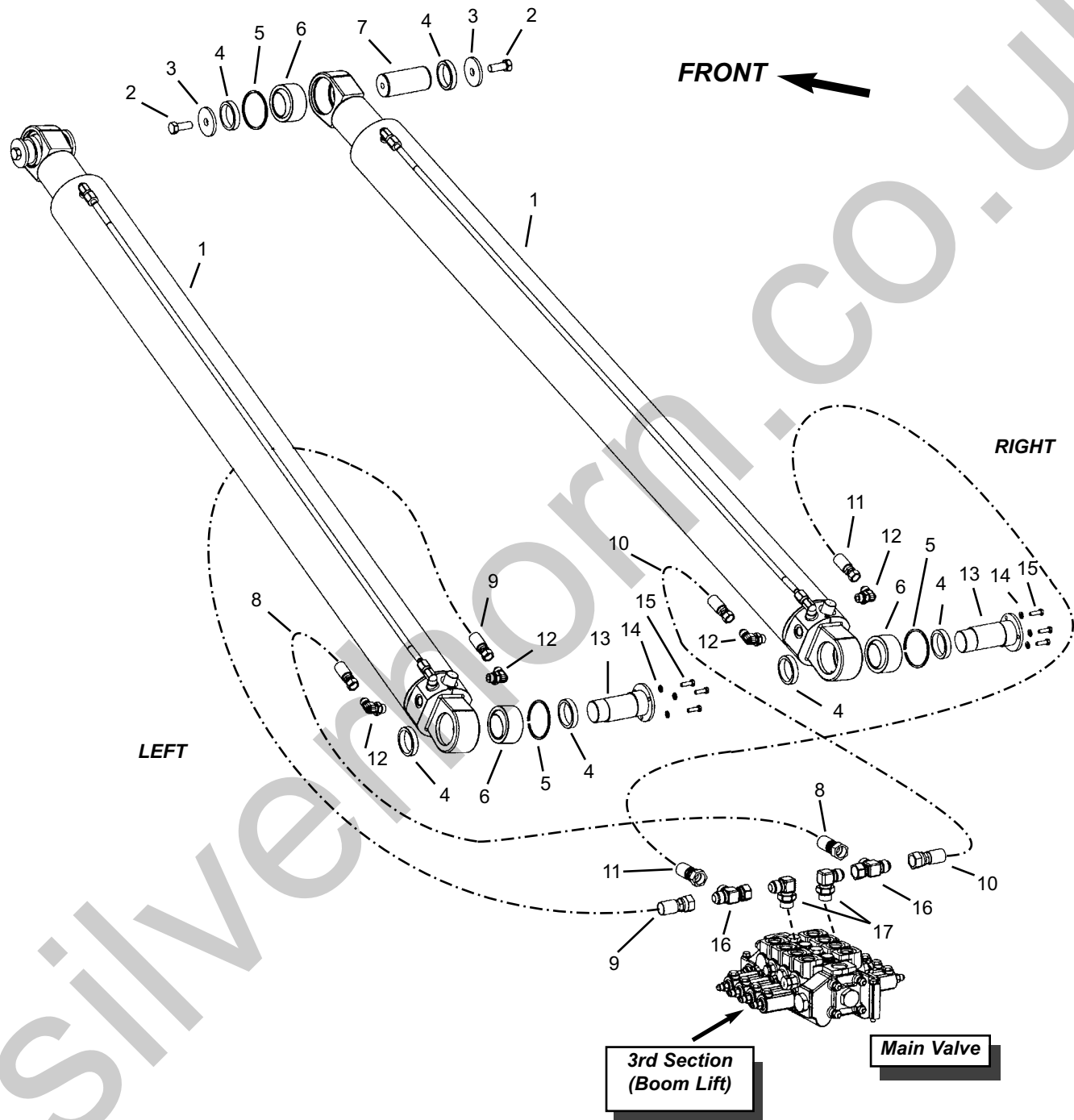
Slave Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808860	SLAVE CYLINDER	2	14	808640	5/16-18X1" BOLT	AR
02	808663	3/8"-16 NYLON INSERT NUT	2	15	808609	3/8"-16X1-1/4" BOLT	2
03	808609	3/8"-16X2-3/4" BOLT	2	16	808593	3/8" LOCK WASHER	2
04	808143	PIN, SLAVE CYL. (rod end)	2	17	809244	LOCK PIN	2
05	808709	BUSHING 660 1.5IDX3.0	2	18	808142	PIN, SLAVE CYL. (base end)	2
06	808423	1/4"-28 GREASE ZERK 90 DEG.	4	19	808831	BUSHING	2
07	808445	ADAP, -8ORM -8JICM STR.	4	20	808295	HOSE, -8 A8/DS8 46"	1
08	808295	HOSE, -8 A8/DS8 46"	1	21	808294	HOSE, -8 A8/DS8 28"	1
09	809243	ADAP, -10 BULK HD RUN TEE	2	22	808132	BRACKET, BULKHEAD PLATE	1
10	808296	HOSE, -8 DS8/DS10 16"	1	23	809245	ADAP, BULK HD BRANCH TEE	2
11	808296	HOSE, -8 DS8/DS10 16"	1	24	808640	5/16-18X1" BOLT	4
12	808662	5/16-18 NYLON INSERT NUT	AR	25	808294	HOSE, -8 A8/DS8 28"	1
13	808590	5/16" FLAT WASHER	AR				

HOSE LOCATOR

08	LEFT SLAVE CYLINDER "TOP"	BRANCH TEE "TOP" (under bulkhead plate)
10	BULKHEAD TEE "LEFT"	BRANCH TEE "TOP-FRONT" (under bulkhead plt)
11	BULKHEAD TEE "RIGHT"	BRANCH TEE "BOTTOM-FRONT" (under bulkhead)
20	RIGHT SLAVE CYLINDER "TOP"	BRANCH TEE "TOP" (under bulkhead plate)
21	RIGHT SLAVE CYLINDER "BOTTOM"	BRANCH TEE "BOTTOM" (under bulkhead plate)
25	LEFT SLAVE CYLINDER "BOTTOM"	BRANCH TEE "BOTTOM" (under bulkhead plate)

Lift Cylinder Group



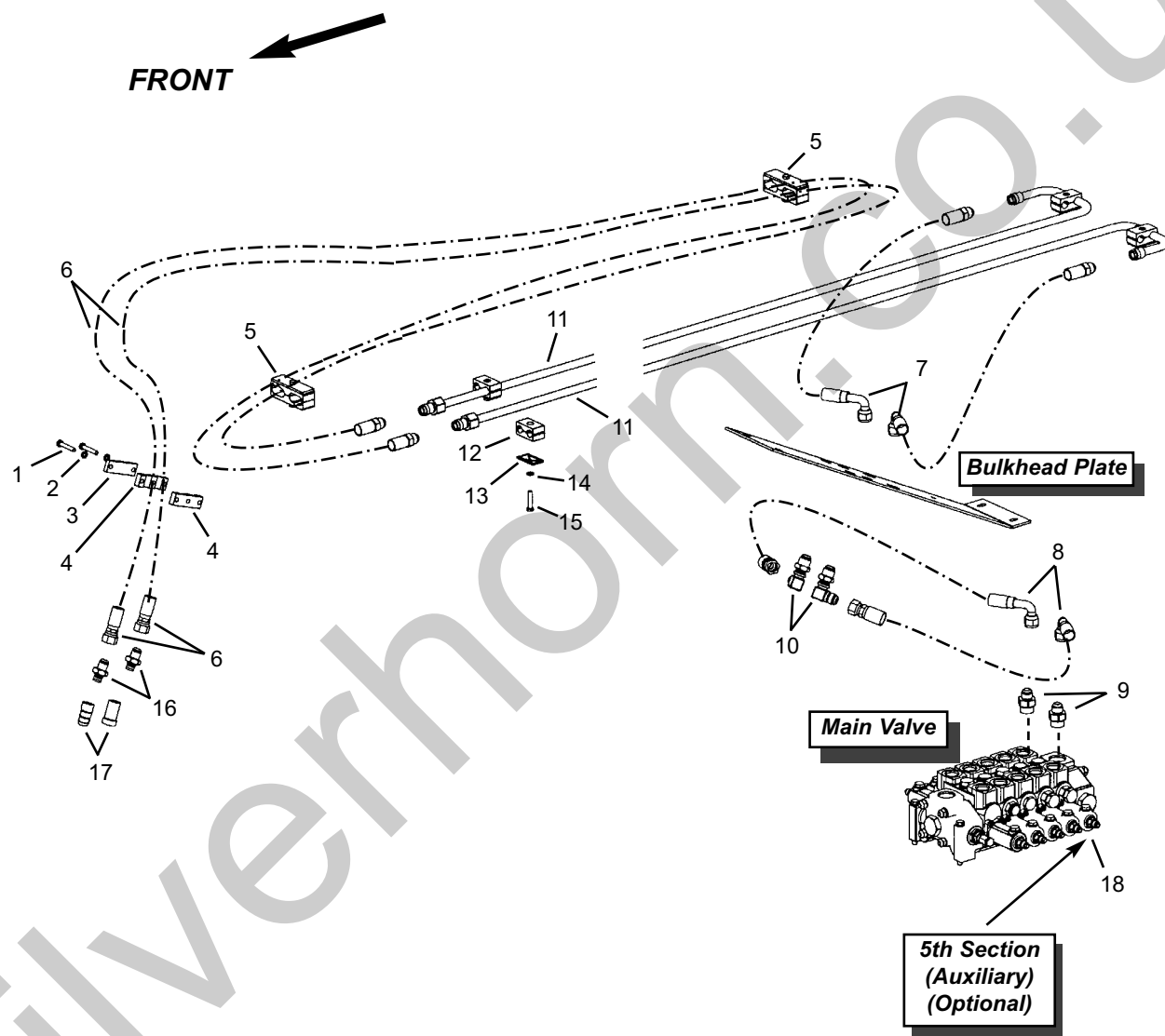
Lift Cylinder Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808820	LIFT CYLINDER	2	10	808292	HOSE, -8 A8/A12 66"	1
02	808614	5/8"X1-1/2" BOLT GR5	4	11	808293	HOSE, -8 A8/A12 88"	1
03	808767	WASHER, PIN RETAINER	4	12	808454	ADAP, -8ORM -8JICM 90 DEG	4
04	809246	SPACER	8	13	808807	PIN, ECCENTRIC	4
05	808963	SNAP RING	AR	14	808591	5/16" LOCK WASHER	6
06	809247	BEARING, SPHERICAL	AR	15	808605	5/16"-24X1" GR5 BOLT	6
07	808766	PIN, LIFT CYL (rod end)	2	16	808460	ADAP, -12 SWVL TEE	2
08	808293	HOSE, -8 A8/A12 88"	1	17	808453	ADAP, -12ORM -12JICM	2
09	808292	HOSE, -8 A8/A12 66"	1				

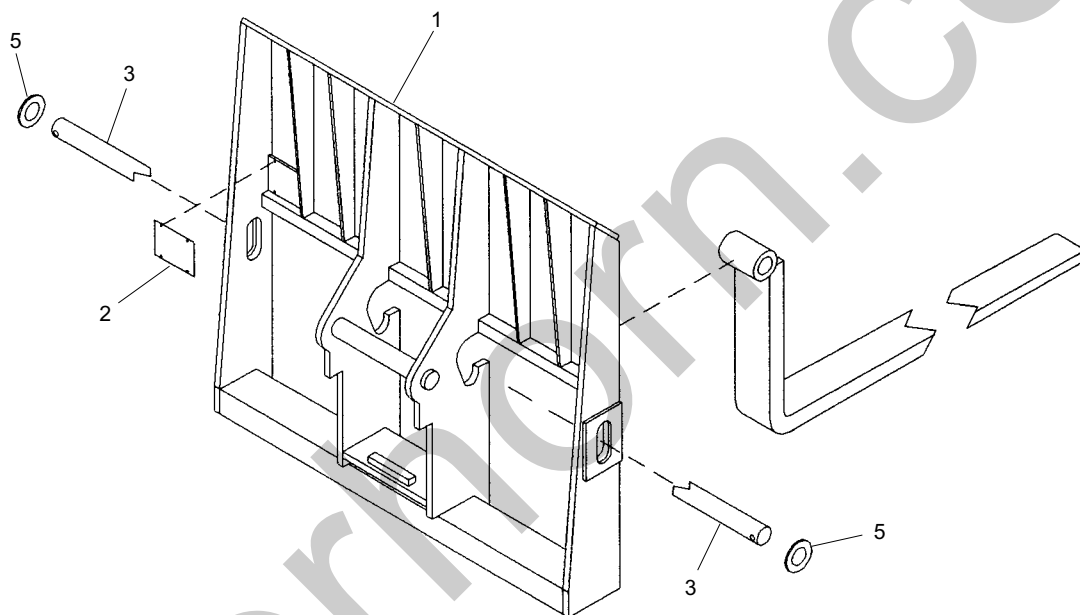
HOSE LOCATOR

08	LEFT LIFT CYLINDER "LEFT SIDE " (retract)	MAIN VALVE (3rd section - right side [retract])
09	LEFT LIFT CYLINDER "RIGHT SIDE " (extend)	MAIN VALVE (3rd section - left side [extend])
10	RIGHT LIFT CYLINDER "LEFT SIDE " (retract)	MAIN VALVE (3rd section - right side [retract])
11	RIGHT LIFT CYLINDER "RIGHT SIDE " (extend)	MAIN VALVE (3rd section - left side [extend])

Auxiliary Hydraulics Group (Option)



Standard Carriage Attachment Group

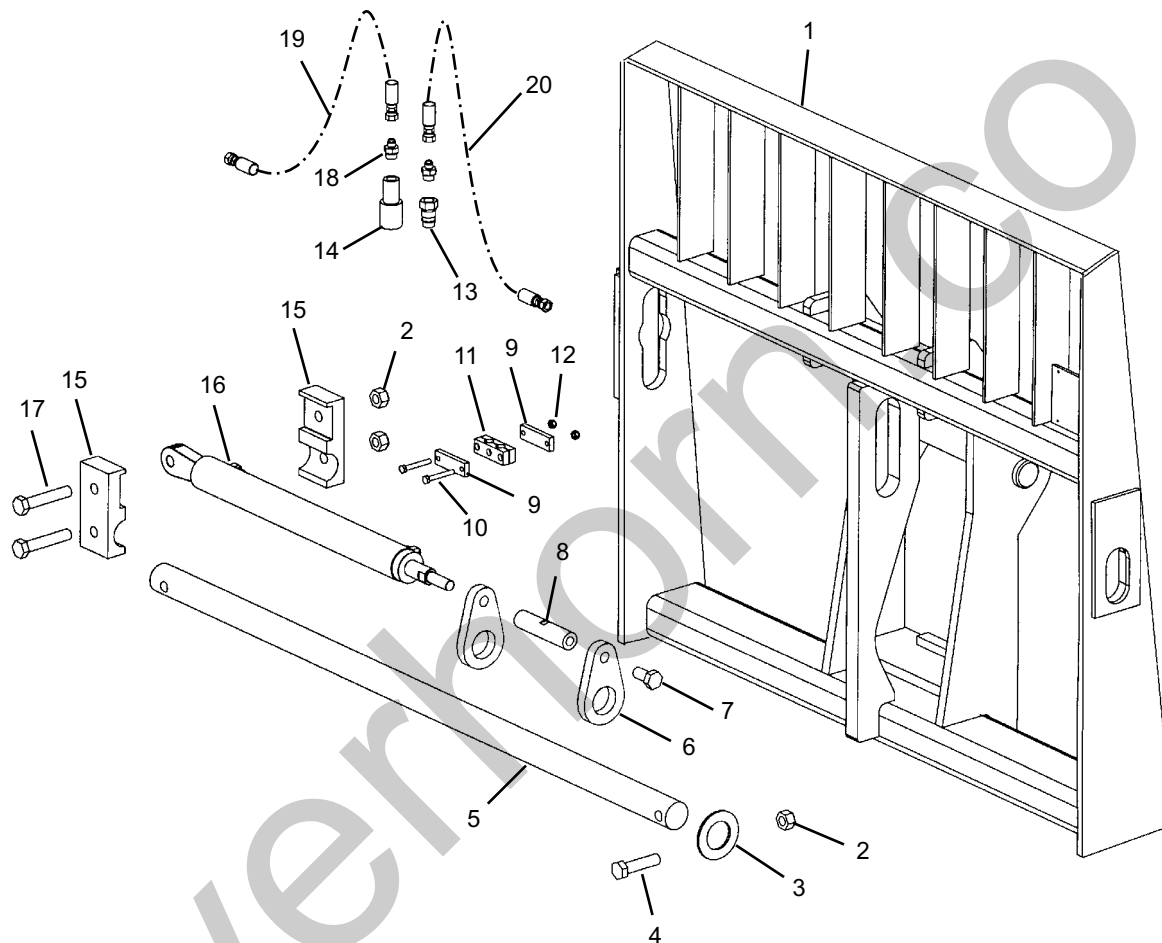


Standard Carriage Attachment Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809248	STD. CARR. WELD. 48"	1	05	808431	RETAINER.	2
01	809249	STD. CARR. WELD. 66"	1		808652	CAP SCREW 1/2-13X2-3/4	2
					808665	1/2-13 NYLON INSERT NUT	2
03	808794	FORK SHAFT BAR 48" (51.5" OAL) 1					
03	808764	FORK SHAFT BAR 66" (69.5" OAL) 1					

Attachments

Fork Shift Carriage Attachment Group (Optional)

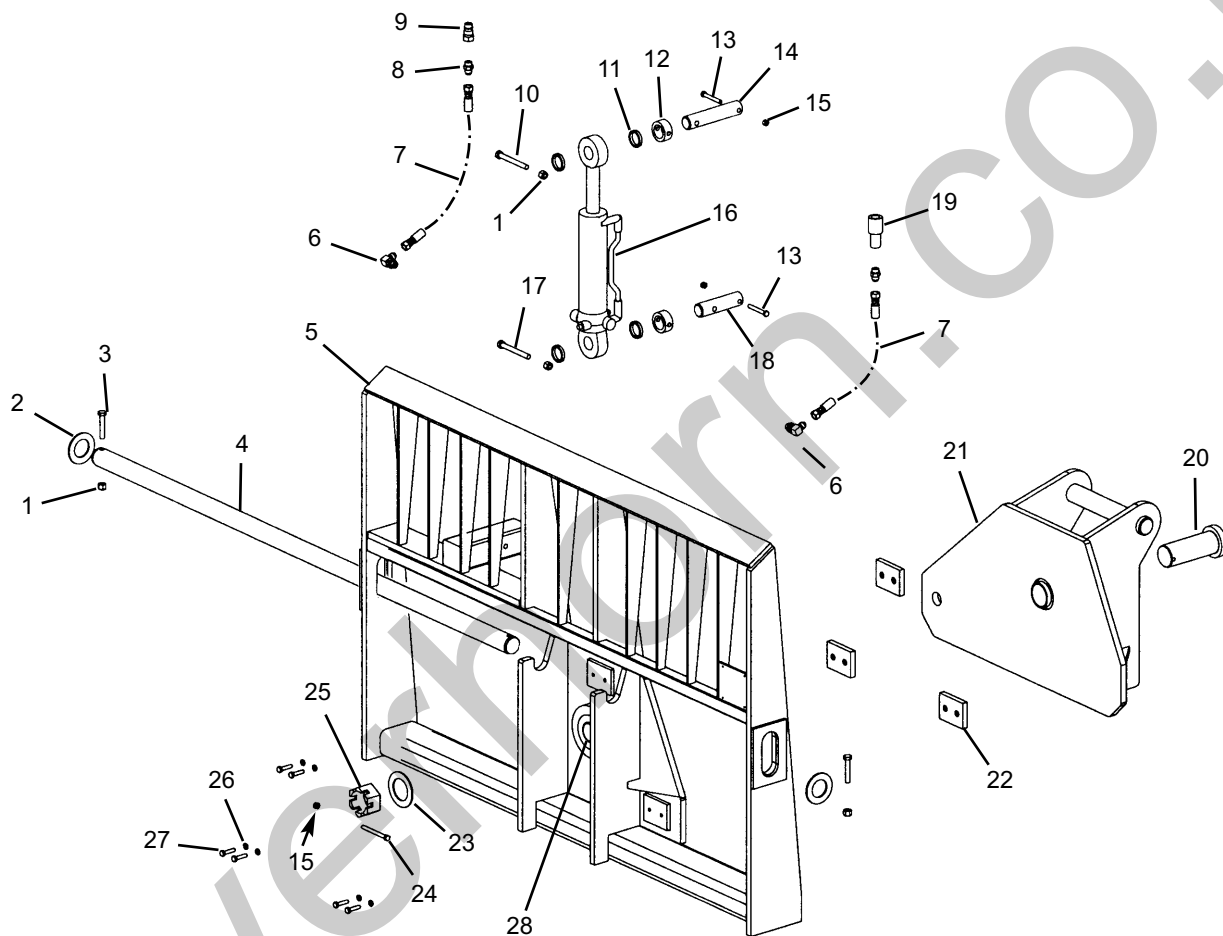


Fork Shift Carriage Attachment Group (Optional)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809250	FORK SHIFT CARRIAGE	1	14 ^b	NSS	COUPLER, FEMALE	1
02	808626	3/4"-10 NYLON INSERT NUT	3	15	809252	CYLINDER MOUNT	2
03	808431	FORK SHAFT WASHER	1	16	808834	FORK SHIFT CYLINDER	1
04	808616	3/4"-10X3" BOLT	1	17	809253	3/4"-10X4" BOLT	2
05	808822	FORK SHAFT, 50"	1	18	808710	ADAP -8ORM -6JICM W/.06 ORF	2
06	808824	FORK SLIDE PLATE	2	19	809254	HOSE -6 A6/A6 59"	1
07	808646	3/4"-10X1-1/2" BOLT	1	20	808826	HOSE -6 A6/A6 56"	1
08	<i>Note a</i>	FORK SLIDE COUPLER	1				
09	808727	TWIN CUSHION TOP PLATE	2	<i>a</i>	<i>For 4" wide forks use P/N 808823.</i>		
10	809251	5/16"-18X2-1/4" BOLT	2		<i>For 5" wide forks use P/N 809276.</i>		
11	808728	TWIN HOSE CUSHION	1				
12	808662	5/16"-18 NYLON INSERT NUT	2	<i>b</i>	<i>Order P/N 808796 Coupler Set.</i>		
13 ^b	NSS	COUPLER, MALE	1				

Attachments

Rotate Carriage Attachment Group (Optional)

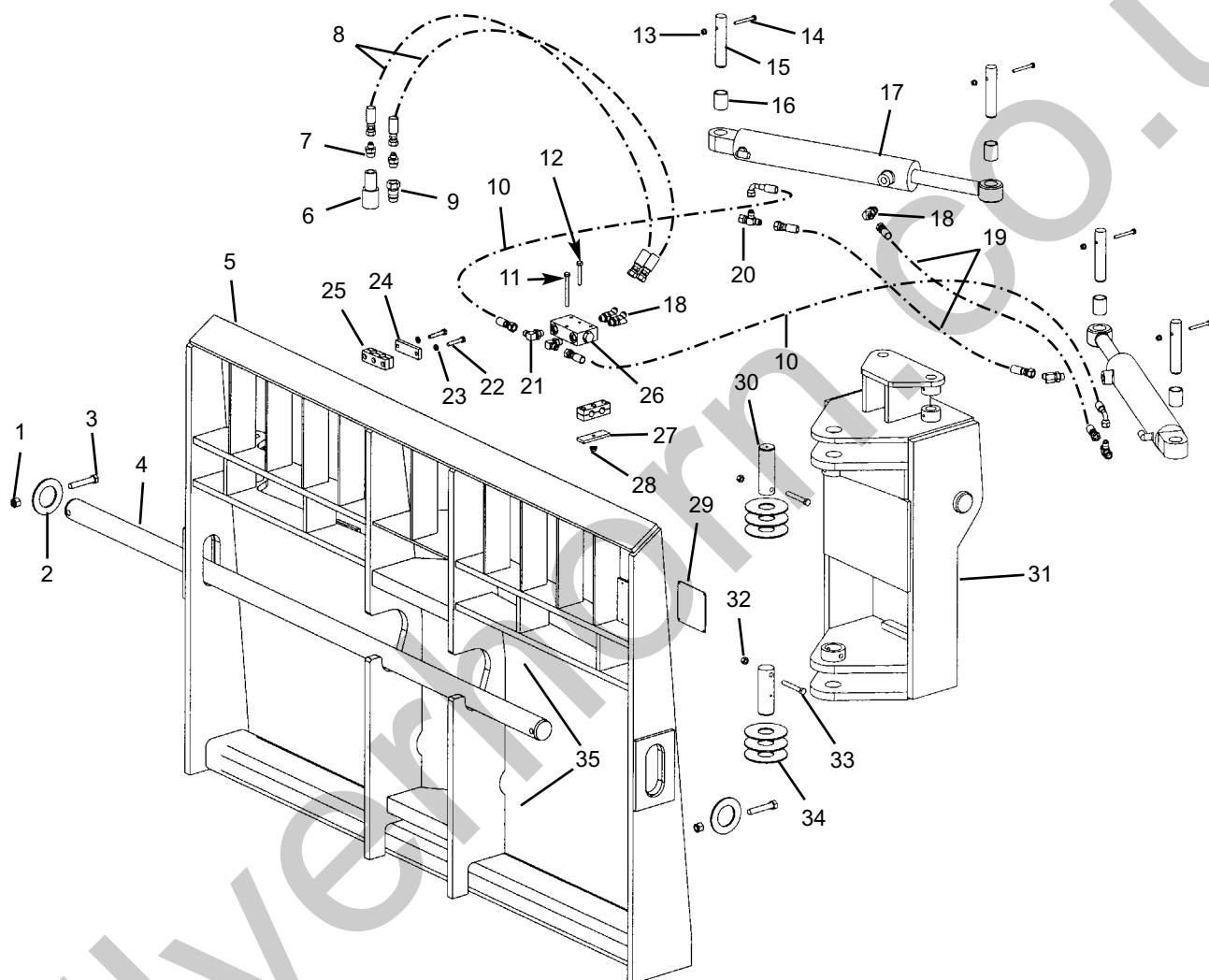


Rotate Carriage Attachment Group (Optional)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808665	1/2"-13 NYLON INSERT NUT	4	17	808649	1/2"-13X4-1/2" BOLT	1
02	808431	FORK SHAFT WASHER	2	18	808791	PIN, ROTATOR BASE END	1
03	808652	1/2"X2-3/4" BOLT	2	19 ^a	NSS	COUPLER, FEMALE	1
04	808794	FORK SHAFT BAR (48" Carriage)	1	20	NSS	ROTATOR PIN	1
	808764	FORK SHAFT BAR (66" Carriage)	1	21	808790	ROTATOR PLATE WELDMENT	1
05	809255	48" CARRIAGE, ROTATING	1			(Includes Item 20)	
	809256	66" CARRIAGE, ROTATING	1	22	808693	SLIDE PAD	3
06	808803	ADAP -8ORM -8JICM 90 W/ORF	2	23	808687	4"ODX2.5"ID WASHER	1
07	808750	HOSE -8 A8/A8 53"	2	24	808638	3/8"X4" BOLT	1
08	808445	ADAP -8ORM -8JICM STR	2	25	808635	2-1/2"-12 CASTELL NUT	1
09 ^a	NSS	COUPLER, MALE	1	26	808593	3/8" LOCK WASHER	6
10	809257	1/2"X4" BOLT	2	27	808608	3/8"X1-1/2" BOLT	6
11	808688	SPACER	4	28	808950	PIVOT BEARING (not shown)	1
12	808695	LOCK COLLAR 1.5" OD	2			(Included in item 5)	
13	808609	3/8"X2-3/4" BOLT	2				
14	808792	PIN, ROTATOR ROD END	1				
15	808663	3/8"-16 NYLON INSERT NUT	3				
16	808918	ROTATE CYLINDER	1				

^a Order P/N 808796 Coupler Set.

Swing Carriage Attachment Group (Optional)

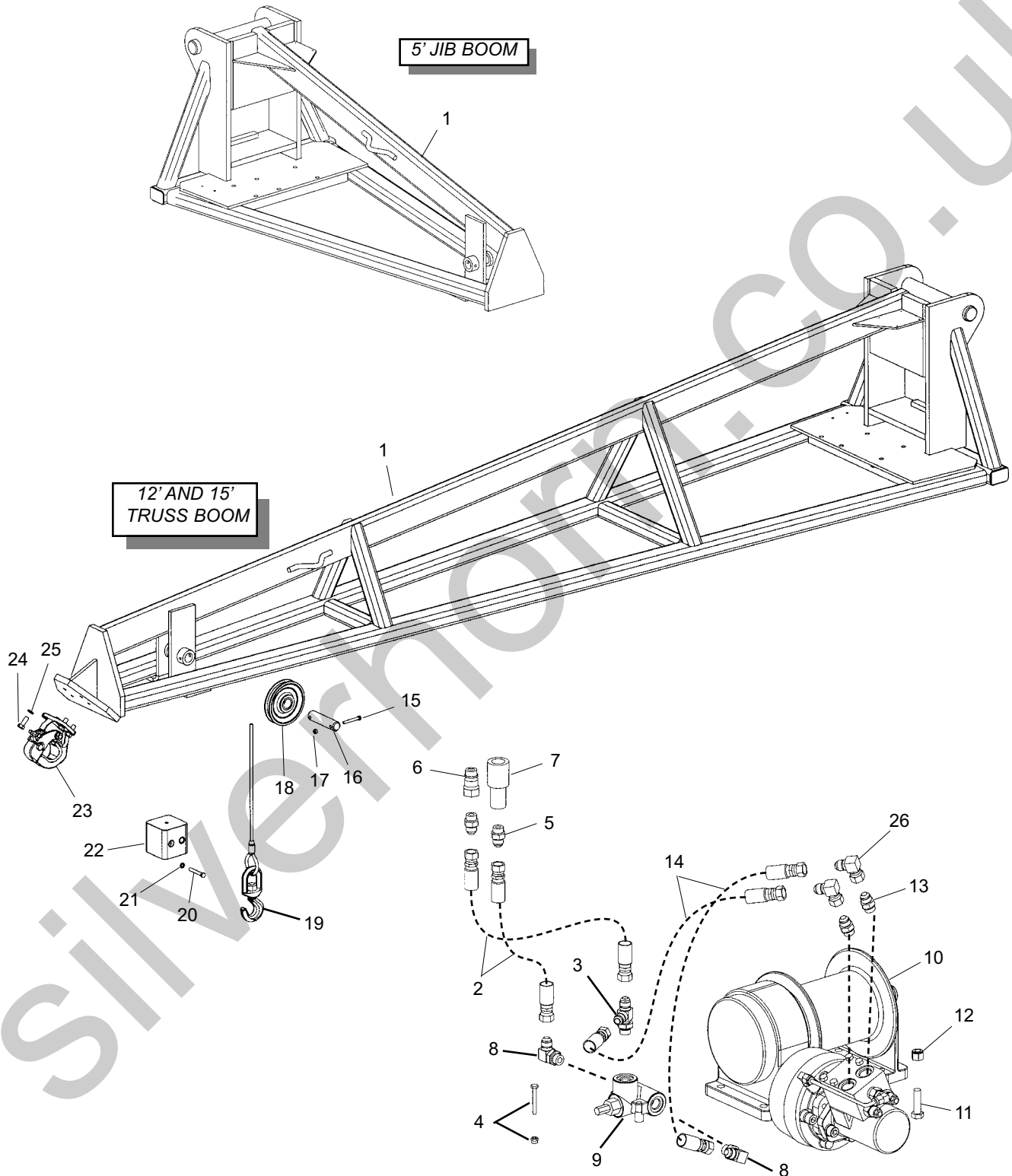


Swing Carriage Attachment Group (Optional)

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808665	1/2"-13 NYLON INSERT NUT	2	18	808456	ADAP -6ORM -6JICM 45.	4
02	808431	FORK SHAFT WASHER.	2	19	808080	HOSE -4 A6/A6 36" (3000 psi)	2
03	808652	1/2"X2-3/4" BOLT	2	20	808464	ADAP -6JICFS -6JICM TEE	2
04	808764	FORK SHAFT BAR (66" Carriage)	1	21	808455	ADAP -6ORM -6JICM 90.	2
05	809258	66" CARRIAGE, SWING	1	22	808628	5/16"-18X1-3/4" BOLT	2
06 ^a	NSS	COUPLER, FEMALE.	1	23	808591	5/16" LOCK WASHER.	2
07	808710	ADAP -8ORM -6JICM STR W.06	2	24	808727	TWIN CUSH. TOP PLATE.	1
08	808827	HOSE -6 A6/A6 89"	2	25	808728	TWIN HOSE CUSHION.	2
09 ^a	NSS	COUPLER, MALE	1	26	808937	VALVE, DUAL PO	1
10	808739	HOSE -4 DS6/A6 22"	2	27	809259	HOSE CUSH. TOP PLATE	1
11	808415	5/16"X3" BOLT.	1	28	808555	5/16" FLARE NUT	2
12	808642	5/16"X2" BOLT.	1	30	808740	PIN, CARRIAGE PIVOT	2
13	808661	1/4" NYLON INSERT NUT	4	31	808920	SWING PIVOT WELDMENT.	1
14	808622	1/4"X2-1/4" BOLT	4	32	808663	3/8"-16 NYLON INSERT NUT	2
15	808741	PIN, SWING CYLINDER.	4	33	808609	3/8"-16X2-3/4" BOLT	2
16	808720	BUSHING	4	34	808737	THRUST WASHER	6
17	808738	SWING CYLINDER.	2	35	809260	BUSHING, CARRIAGE PIVOT	2
						(Not shown)	

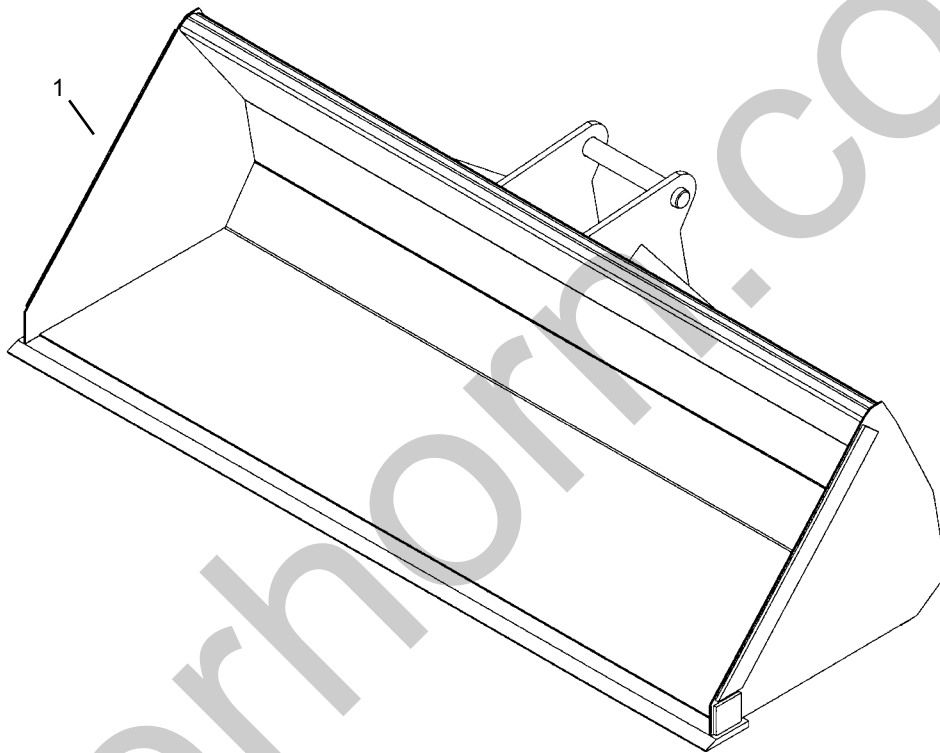
^a Order P/N 808796 Coupler Set.

Truss Boom Attachment Group



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809261	5' TRUSS WELDMENT	1	22	808677	WINCH BALL	1
	809262	12' TRUSS WELDMENT	1	23	808689	PINTLE HOOK	1
	809263	15' TRUSS WELDMENT	1	24	808619	1/2"-20X1-1/4" GR 8 BOLT	4
				25	808596	1/2" LOCK WASHER	4
02	808750	HOSE -8 A8/A8 53"	2	26 ^c	808459	ADAP -8JICFS -8JICM 90	2
03	808769	ADAP -8ORM -8JICM RUN TEE	1				
04	808644	1/4-20"x2" BOLT	2				
	808661	1/4"-20 NYLON INSERT NUT	2				
05	808445	ADAP -8ORM -8JICM STR	2				
06 ^d	NSS	COUPLER, MALE	1				
07 ^d	NSS	COUPLER, FEMALE	1				
08	808454	ADAP -8ORM -8JICM 90 DEG	2				
09	808951	RELIEF VALVE	1				
10	808081	HYDRAULIC WINCH	1				
11	808612	1/2"-13X1-3/4" GR 8 BOLT	6				
12	808665	1/2-13 NYLON INSERT NUT	6				
13	808448	ADAP -10ORM -8JICM	2				
14	808430	HOSE -6 A8/A8 18.5"	2				
15	808639	5/16"x2-1/2" BOLT	2				
16	808077	PIN, TRUSS WINCH	1				
17	808662	5/16"-18 NYLON INSERT NUT	2				
18	808797	WINCH SHEAVE	1				
19 ^a	808933	3/8"x100' WINCH CABLE	1				
		(includes hook and swivel)					
19 ^b	808825	3/8"x60' WINCH CABLE	1				
		(includes hook and swivel)					
20	808618	3/8"x2-1/2" BOLT	2				
21	808593	3/8" LOCK WASHER	2				

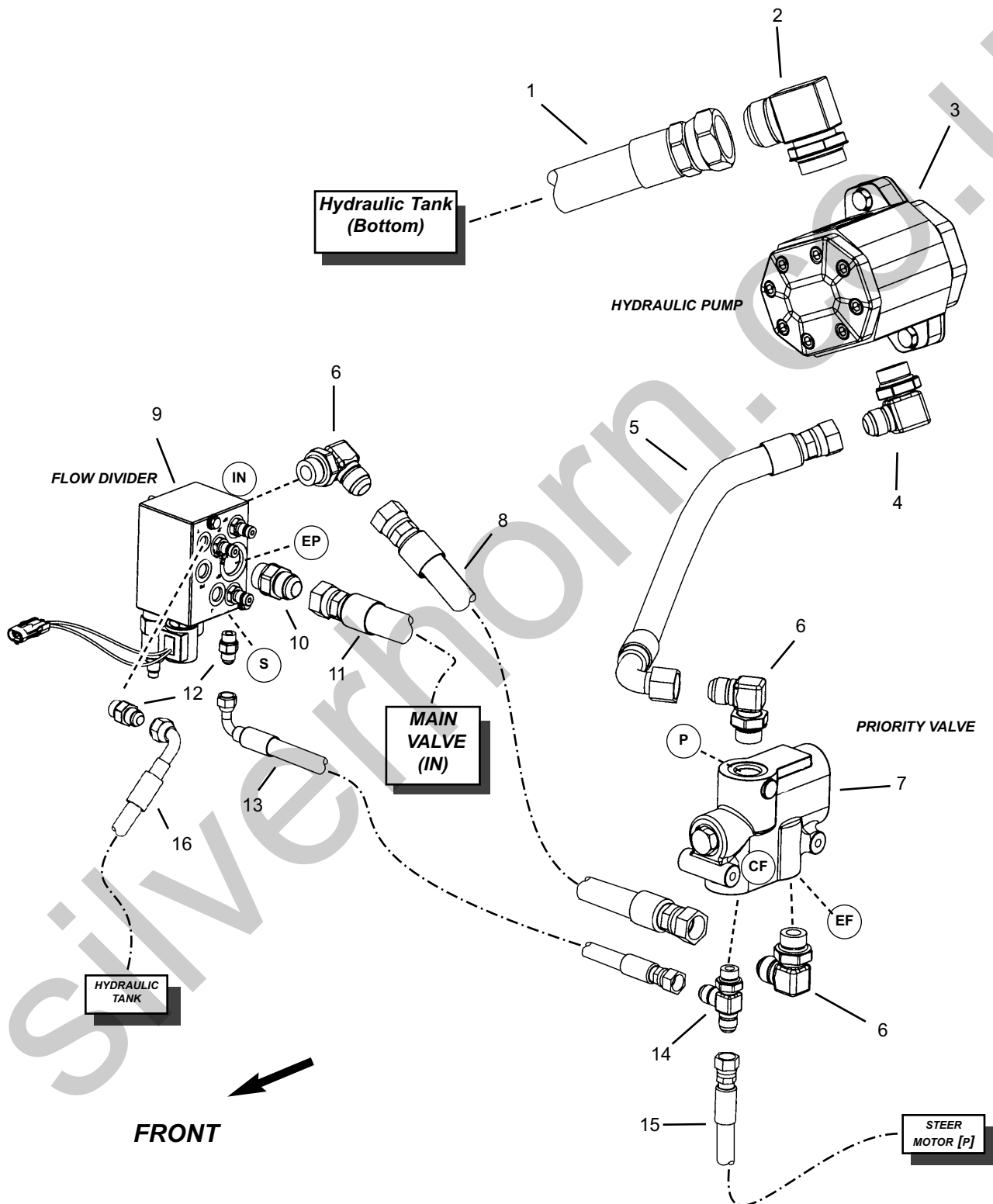
Bucket Attachment



Bucket Attachment

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	809264 808854	1.3 CU. YD. BUCKET WELDMNT . 1 CUTTING EDGE 98" (<i>weld on</i>) . . . 1					

Hydraulic Pump Group



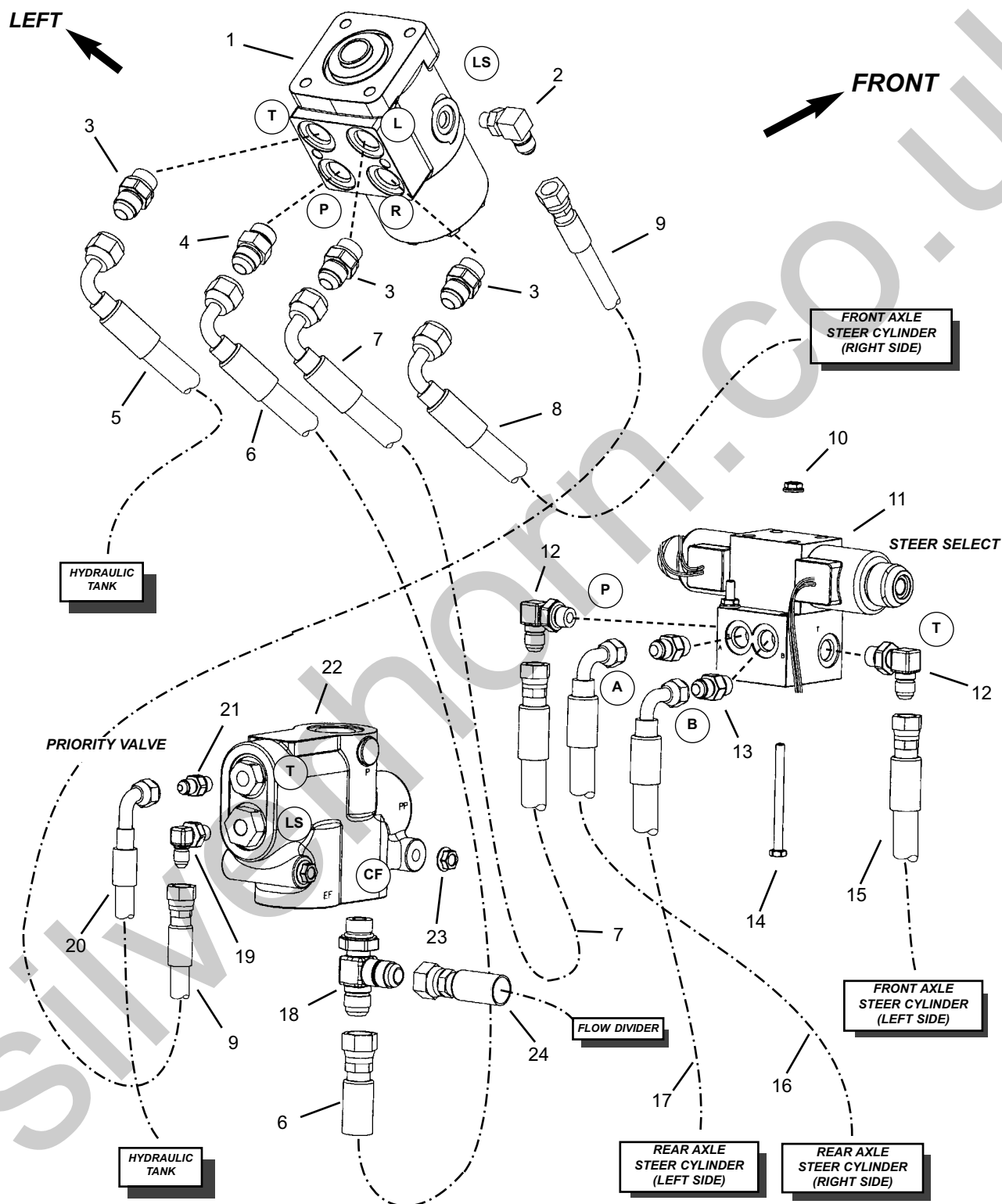
Hydraulic Pump Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808713	HOSE, -24 A24/A24 35"	1	12	808443	ADAP, -6ORM -6JICM	2
02	809265	ADAP, -24ORM -24JICM 90 DEG . .	1	13	808275	HOSE, -6 A8/DS6 19"	1
03	808146	HYDRAULIC PUMP	1	14	808769	ADAP, -8ORM -8JICM TEE	1
	808469	GASKET (<i>not shown</i>)	1	15	808274	HOSE, -6 A8/DS8 50"	1
	808629	1/2"-13x1-1/2" BOLT (<i>not shown</i>) .	2	16	808326	HOSE, -6 AS/DS6 18"	1
04	808685	ADAP, -16orm -12jicm 90 DEG . . .	1	a Note: if the unit is equipped with the outrigger option, there will be two additional hoses. Hose P/N 808268; -12 A12/DS12 74" will attach to fitting item #10 and will go to the outrigger valve. Hose P/N 808269; -12 H12/A12 58" will return from the outrigger valve and will connect to the existing hose, item 11. Please refer to the Outrigger pages located in the Chasis section for more information.			
05	808273	HOSE, -12 A12/DS12 13"	1				
06	808453	ADAP, -12ORM -12JICM	3				
07	808748	PRIORITY VALVE	1				
08	808751	HOSE, -12 A12/A12 21"	1				
09	808126	FLOW DIVIDER VALVE	1				
10 ^a	808442	ADAP, -12ORM -12JICM	1				
11 ^a	808277	HOSE, -12 A12/A12 115"	1				

HOSE LOCATOR

01	HYDRAULIC PUMP "IN"	HYDRAULIC TANK "BOTTOM - OUT"
05	HYDRAULIC PUMP "OUT"	PRIORITY VALVE "P" (<i>top of valve</i>)
08	PRIORITY VALVE "EF" (<i>bottom of valve</i>)	FLOW DIVIDER "IN" (<i>side</i>)
11 ^a	FLOW DIVIDER "EP" (<i>front of valve</i>) (STANDARD)	MAIN VALVE "IN"
11 ^a	OUTRIGGER VALVE/HOSE (OUTRIGGER OPTION)	MAIN VALVE "IN"
13	PRIORITY VALVE "CF" (<i>bottom of valve - tee</i>)	FLOW DIVIDER "S" (<i>bottom of valve</i>)
15	PRIORITY VALVE "CF" (<i>bottom of valve - tee</i>)	STEER MOTOR "P"
16	FLOW DIVIDER "T" (<i>front of valve</i>)	HYDRAULIC TANK RETURN (<i>return manifold</i>)

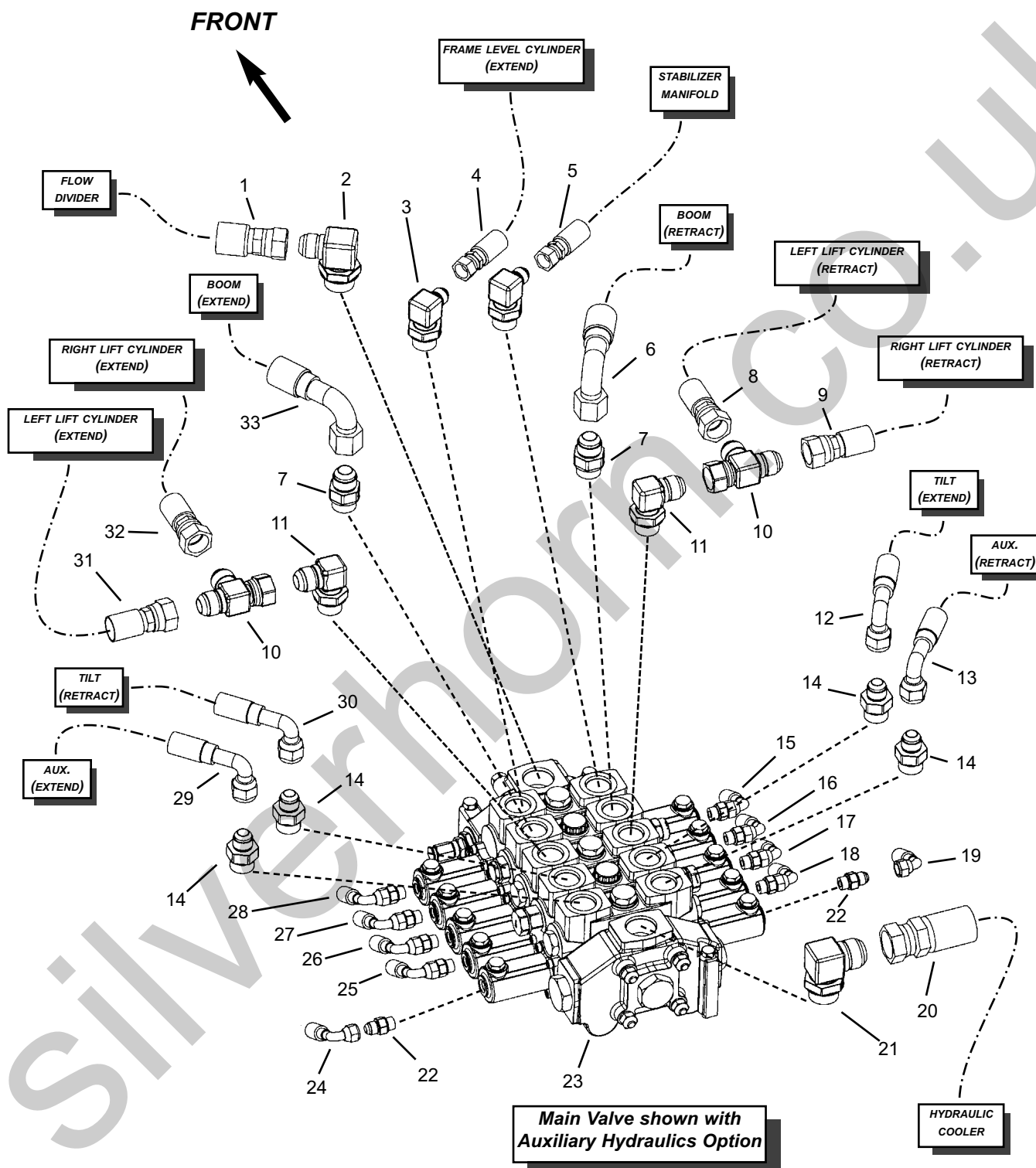
Steer Motor and Valve Group



Steer Motor and Valve Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808101	STEER MOTOR	1	13	808443	ADAP, -6ORM -6JICM STR.....	2
02	809266	ADAP, -4ORM -6JICM 90 DEG....	1	14	808627	1/4"-20X3" BOLT	2
03	808445	ADAP, -8ORM -8JICM STR.....	3	15	808287	HOSE, -6 A6/A8 48"	1
04	808763	VALVE, CHECK.....	1	16	808885	HOSE, -6 A6/A8 100"	1
05	808716	HOSE, -6 A6/DS8 52"	1	17	808885	HOSE, -6 A6/A8 100"	1
06	808274	HOSE, -6 A8/DS8 50"	1	18	808769	ADAP, -8ORM -8JICM TEE.....	1
07	808285	HOSE, -6 A6/DS8 58"	1	19	808656	ADAP, -4ORM -4JICM 90 DEG....	1
08	808286	HOSE, -6 A8/DS8 82"	1	20	808853	HOSE, -4 A6/DS6 20"	1
09	808276	HOSE, -4 A4/A4 52"	1	21	808451	ADAP, -6ORM -4JICM STR.....	1
10	808545	1/4"-20 WHIZ LOCK NUT	2	22	808748	PRIORITY VALVE	1
11	808877	VALVE, STEER SELECT	1	23	808555	5/16-18 WHIZ LOCK NUT.....	2
12	808455	ADAP, -6ORM -6JICM 90 DEG....	2	24	808275	HOSE, -6 A8/DS6 19"	1

Main Valve Group



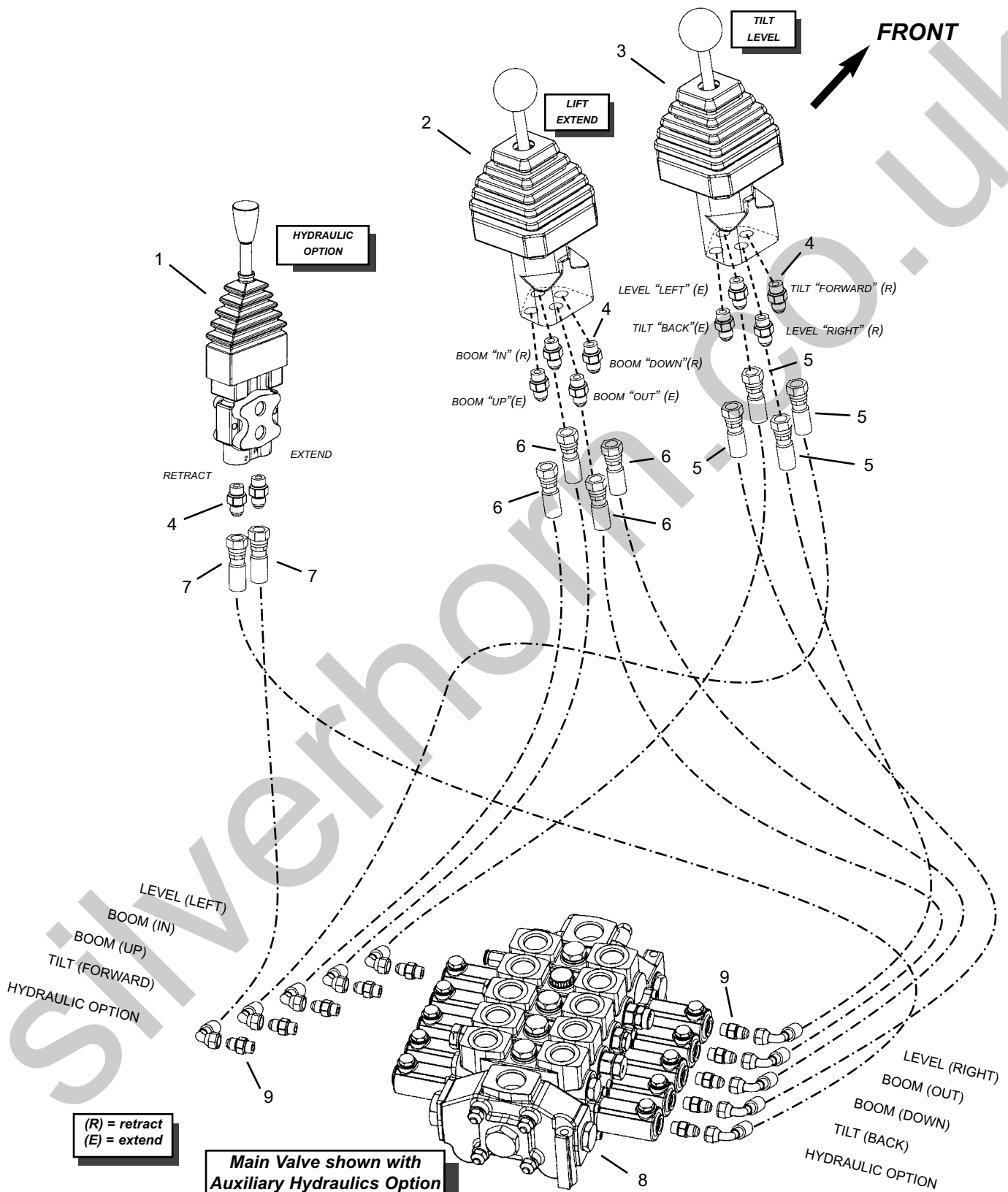
Main Valve Group

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808277	HOSE, -12 A12/A12 115"	1	22	808409	ADAP, 1/4BSP -6JICM STR.	AR
02	808685	ADAP, -16ORM -12JICM 90 DEG. . .	1	23 ^b	808129	MAIN VALVE	1
03	808458	ADAP, -12ORM -8JICM 90 DEG. . .	2		808134	KIT, AUX HYD SECTION (<i>optional</i>) . .	1
04	808302	HOSE, -8 A8/A8 190"	1		808266	KIT, FIVE SECTION TIE BOLT . . .	4
05	809200	HOSE, -8 A8/A8 26"	1	24 ^a	808270	HOSE, -4 A6/DS6 102"	1
06	808290	HOSE, -12 A12/DS12 18"	1	25 ^a	808284	HOSE, -4 A6/DS6 120"	1
07	808442	ADAP, -12ORM -12JICM STR.	2	26 ^a	808283	HOSE, -4 A6/DS6 108"	1
08	808293	HOSE, -8 A8/A12 88"	1	27 ^a	808283	HOSE, -4 A6/DS6 108"	1
09	808292	HOSE, -8 A8/A12 66"	1	28 ^a	808284	HOSE, -4 A6/DS6 120"	1
10	808460	ADAP, -12 SWVL RUN TEE	2	29	808271	HOSE -8 A10/DS10 30"	2
11	808453	ADAP, -12ORM -12JICM	2	30	808291	HOSE -8 A10/DS10 25"	2
12	808291	HOSE -8 A10/DS10 25"	2	31	808292	HOSE, -8 A8/A12 66"	1
13	808271	HOSE -8 A10/DS10 30"	2	32	808293	HOSE, -8 A8/A12 88"	1
14	809171	ADAP, -12ORM -10JICM	2	33	808290	HOSE, -12 A12/DS12 18"	1
15 ^a	808284	HOSE, -4 A6/DS6 120"	1				
16 ^a	808283	HOSE, -4 A6/DS6 108"	1				
17 ^a	808283	HOSE, -4 A6/DS6 108"	1				
18 ^a	808284	HOSE, -4 A6/DS6 120"	1				
19 ^a	808270	HOSE, -4 A6/DS6 102"	1				
20	808288	HOSE -16 A16/A16 42"	1				
21	808658	ADAP, -16ORM -16JICM	1				

a Refer to next page for information regarding the location of these hoses.

b The illustration on the facing page shows the (optional) auxiliary hydraulic work section with the main valve.

Main Valve / Hydraulic Controls

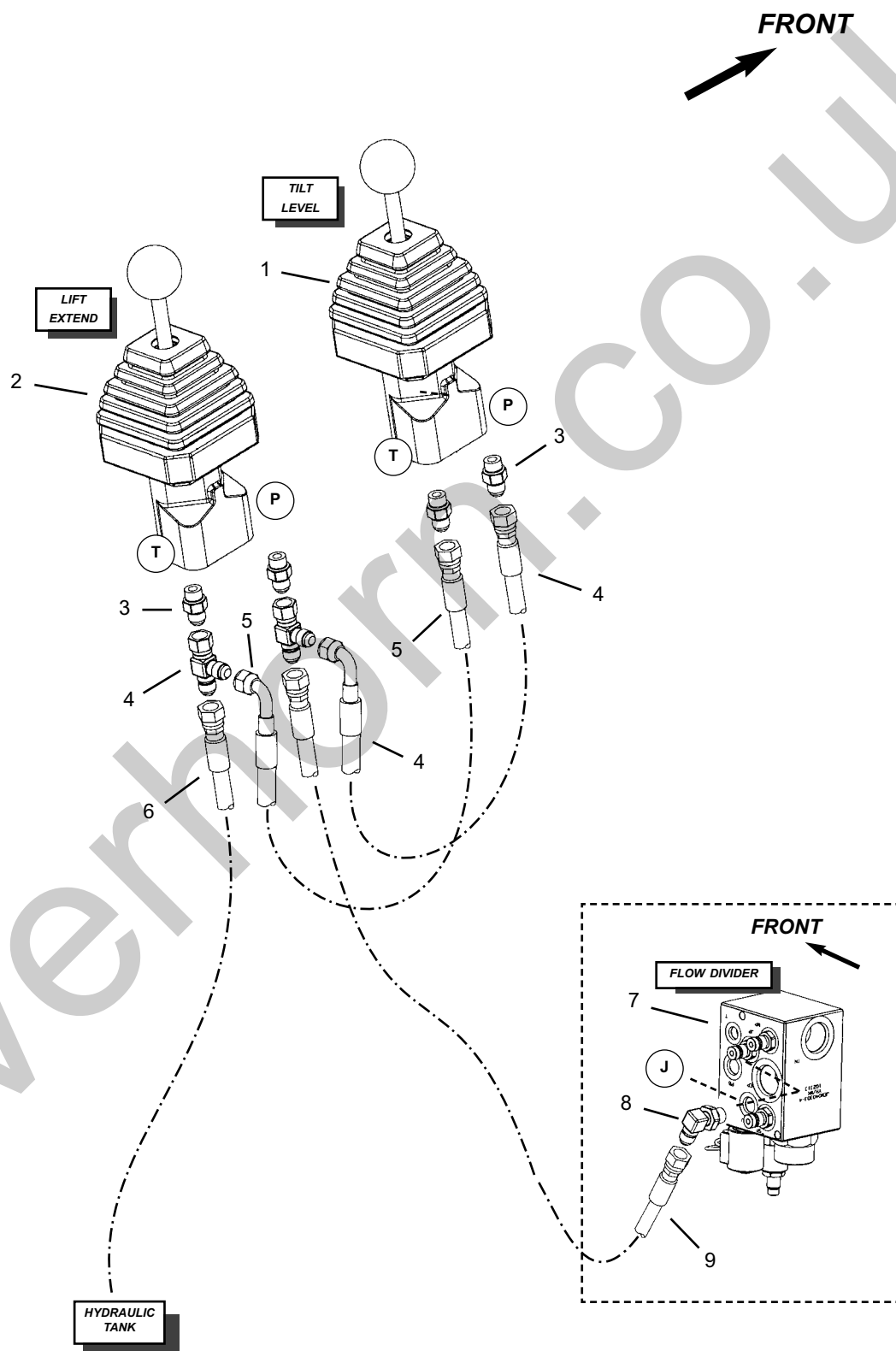


Main Valve / Hydraulic Controls

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808139	CONTROLLER, AUX. HYD	1	08 ^a	808129	MAIN VALVE	1
02	808138	CONTROLLER, LIFT/EXTEND	1		808134	KIT, AUX HYD SECTION (<i>optional</i>)	1
03	808263	CONTROLLER, TILT/LEVEL	1		808266	KIT, FIVE SECTION TIE BOLT	4
04	808443	ADAP, -6ORM -6JICM STR	AR			(<i>each kit contains [1] bolt,</i>	
05	808284	HOSE, -4 A6/DS6 120"	4			[2] washers and [2] nuts)	
06	808283	HOSE, -4 A6/DS6 108"	4	09	808409	ADAP, 1/4BSP -6JICM STR	AR
07	808270	HOSE, -4 A6/DS6 102"	2				

a The illustration on the facing page shows the (optional) auxiliary hydraulic work section with the main valve.

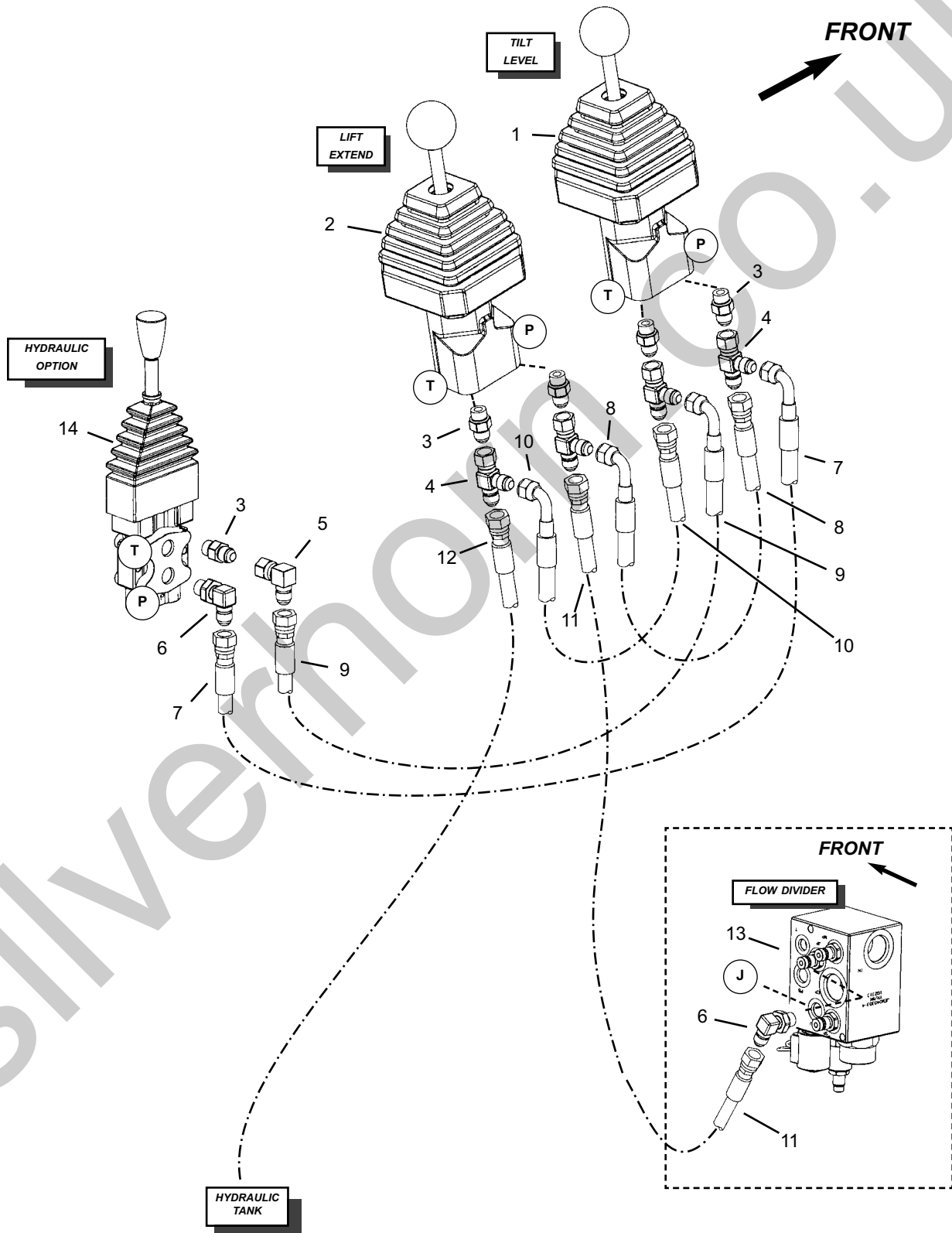
Hydraulic Controls - No Options



Hydraulic Controls - No Options

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL.....	1	06	808282	HOSE, -4 A6/D6 35".....	1
02	808138	CONTROLLER, LIFT/EXTEND....	1	07	808126	MANIFOLD, JOYSTICK RELIEF...	1
03	808443	ADAP, -6ORM -6JICM STR.....	4	08	808455	ADAP, -6ORM -6JICM 90 DEG....	1
04	808882	HOSE, -4 A6/DS6 17".....	1	09	808265	HOSE, -4 A6/A6 54".....	1
05	808882	HOSE, -4 A6/DS6 17".....	1				

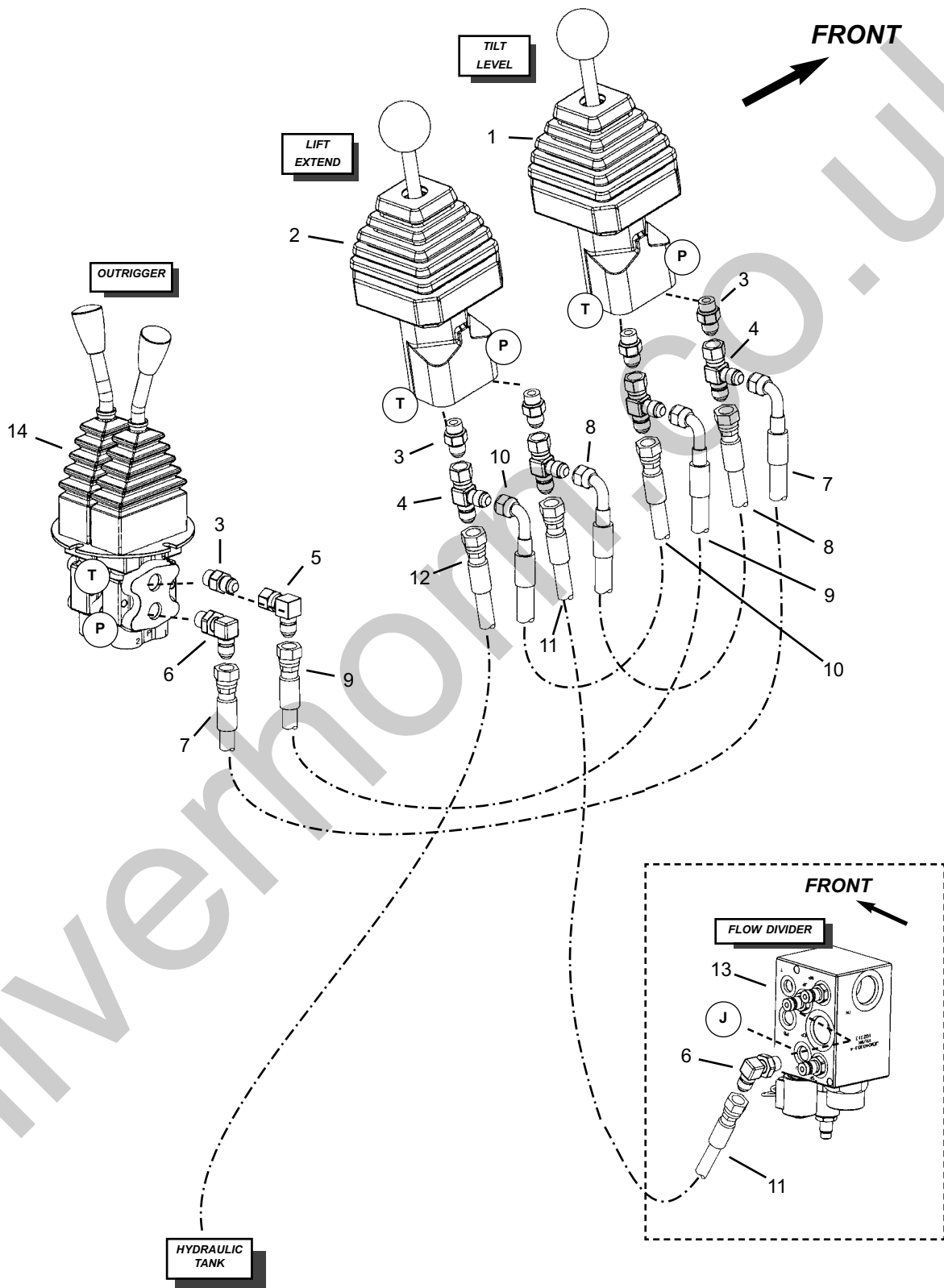
Hydraulic Controls - Auxiliary Hydraulic Option



Hydraulic Controls - Auxiliary Hydraulic Option

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL.	1	08	808882	HOSE, -4 A6/DS6 17"	1
02	808138	CONTROLLER, LIFT/EXTEND. . . .	1	09	808850	HOSE, -4 A6/DS6 26"	1
03	808443	ADAP, -6ORM -6JICM STR	AR	10	808882	HOSE, -4 A6/DS6 17"	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	11	808265	HOSE, -4 A6/A6 54"	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG .	AR	12	808282	HOSE, -4 A6/D6 35"	1
06	808455	ADAP, -6ORM -6JICM 90 DEG . .	AR	13	808126	MANIFOLD, JOYSTICK RELIEF. . .	1
07	808850	HOSE, -4 A6/DS6 26"	1	14	808139	CONTROLLER, AUX. HYD.	1

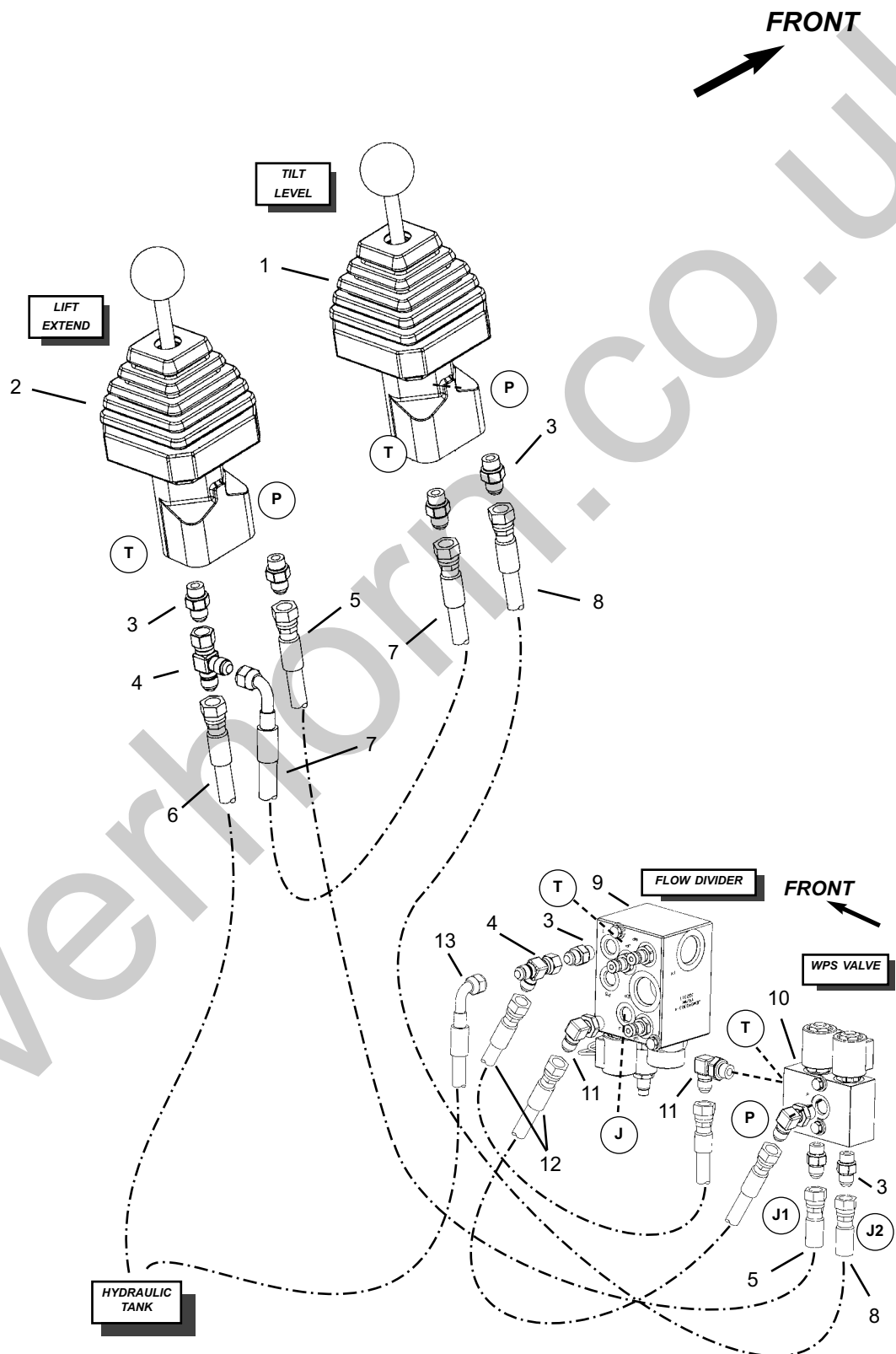
Hydraulic Controls - Outrigger Option



Hydraulic Controls - Outrigger Option

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL	1	08	808882	HOSE, -4 A6/DS6 17"	1
02	808138	CONTROLLER, LIFT/EXTEND	1	09	808853	HOSE, -4 A6/DS6 20"	1
03	808443	ADAP, -6ORM -6JICM STR	AR	10	808882	HOSE, -4 A6/DS6 17"	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	11	808265	HOSE, -4 A6/A6 54"	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG	AR	12	808282	HOSE, -4 A6/D6 35"	1
06	808455	ADAP, -6ORM -6JICM 90 DEG	AR	13	808126	MANIFOLD, JOYSTICK RELIEF	1
07	808853	HOSE, -4 A6/DS6 20"	1	14	808140	CONTROLLER, OUTRIGGERS	1

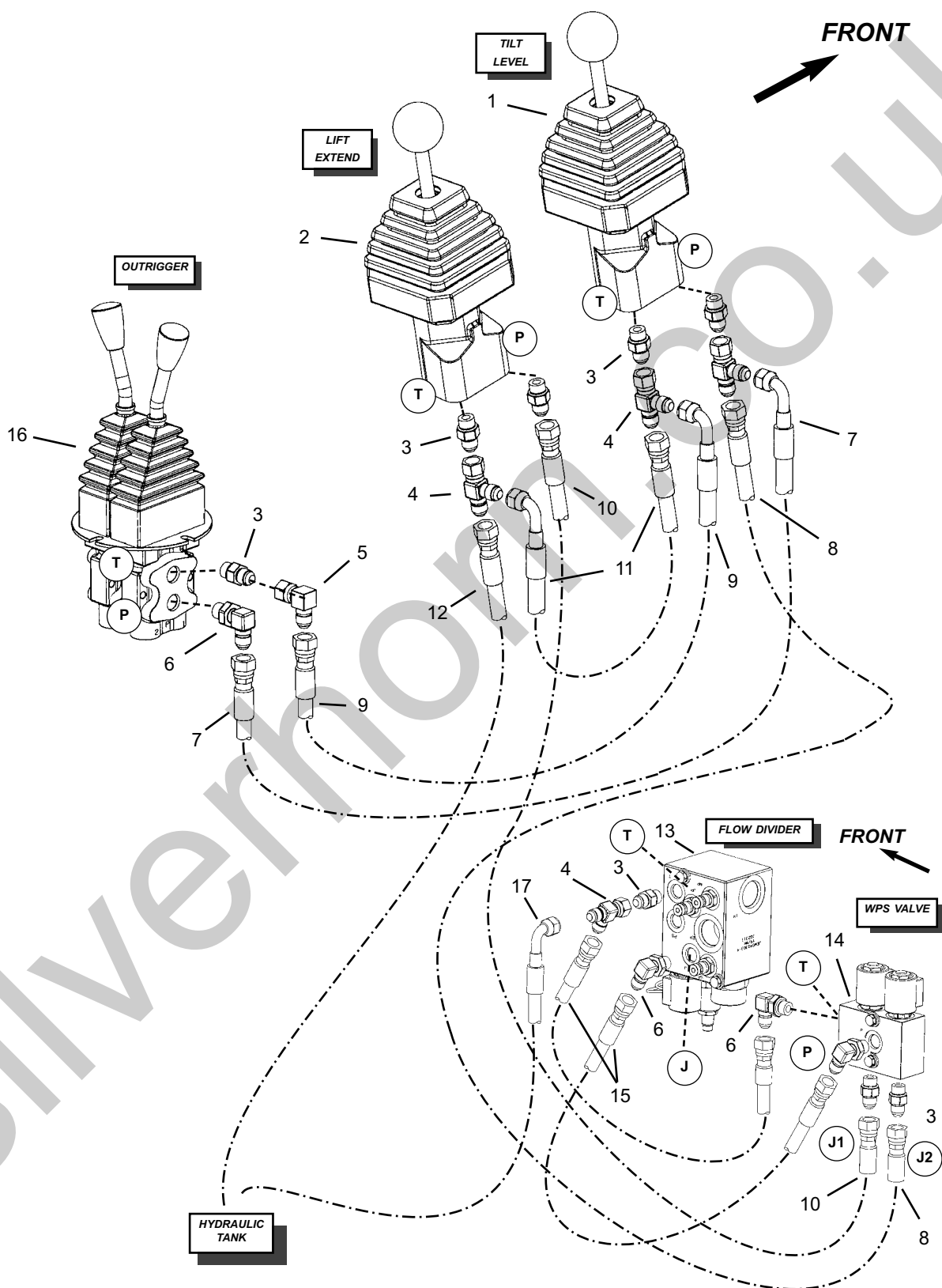
Hydraulic Controls - WPS Only



Hydraulic Controls - WPS Only

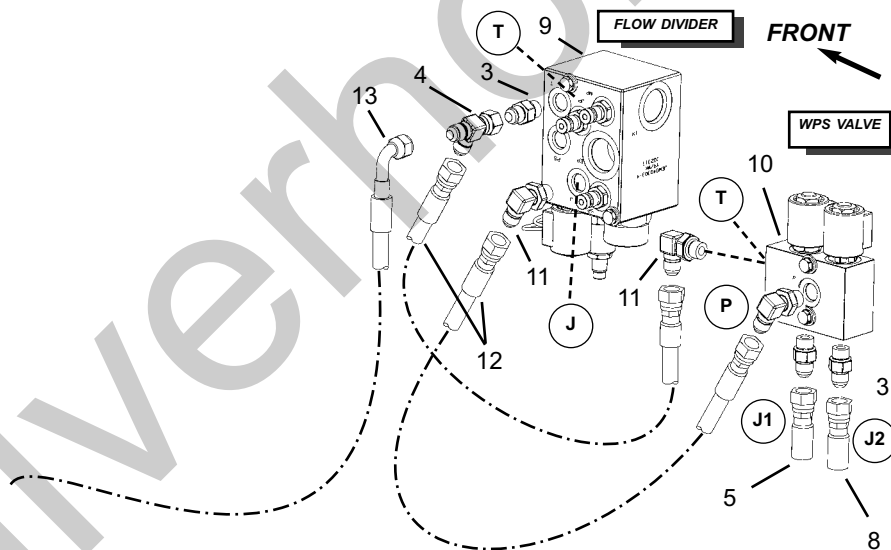
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL	1	08	808265	HOSE, -4 A6/A6 54"	1
02	808138	CONTROLLER, LIFT/EXTEND	1	09	808126	MANIFOLD, JOYSTICK RELIEF	1
03	808443	ADAP, -6ORM -6JICM STR	AR	10	808127	MANIFOLD, WPS JOYSTICK	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	11	808455	ADAP, -6ORM -6JICM 90 DEG	2
05	808265	HOSE, -4 A6/A6 54"	1	12	808715	HOSE, -4 A6/A6 15"	2
06	808282	HOSE, -4 A6/D6 35"	1	13	808326	HOSE, -6AS/DS6 18"	1
07	808882	HOSE, -4 A6/DS6 17"	1				

Hydraulic Controls - WPS and Outriggers

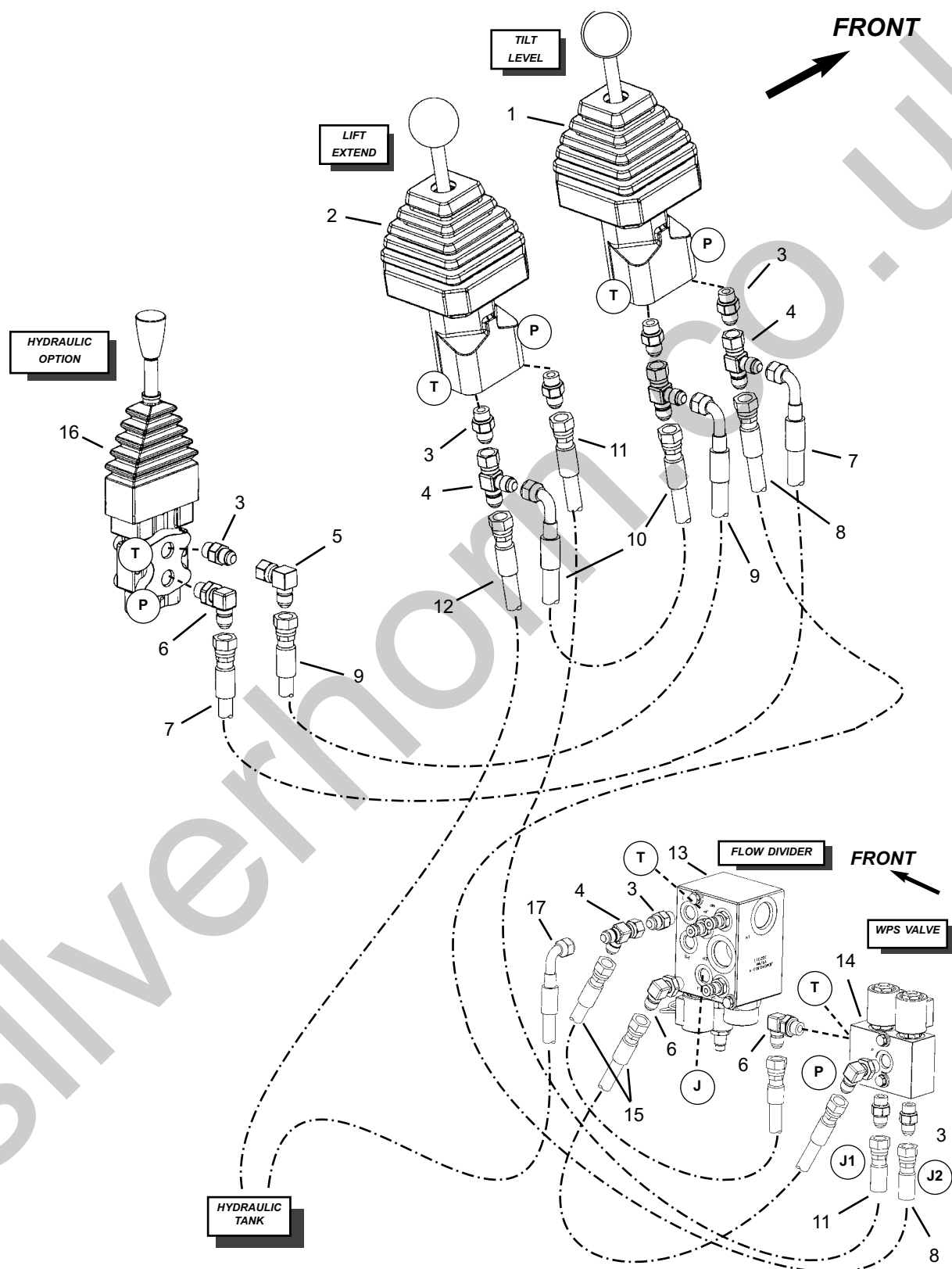


Hydraulic Controls - WPS and Outriggers

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL	1	10	808265	HOSE, -4 A6/A6 54"	1
02	808138	CONTROLLER, LIFT/EXTEND	1	11	808882	HOSE, -4 A6/DS6 17"	1
03	808443	ADAP, -6ORM -6JICM STR AR		12	808282	HOSE, -4 A6/D6 35"	1
04	808464	ADAP, -6 SWIVEL RUN TEE AR		13	808126	MANIFOLD, JOYSTICK RELIEF	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG AR		14	808127	MANIFOLD, WPS JOYSTICK	1
06	808455	ADAP, -6ORM -6JICM 90 DEG AR		15	808715	HOSE, -4 A6/A6 15"	2
07	808853	HOSE, -4 A6/DS6 20"	1	16	808140	CONTROLLER, OUTRIGGERS	1
08	808265	HOSE, -4 A6/A6 54"	1	17	808326	HOSE, -6 A6/DS6 18"	1
09	808853	HOSE, -4 A6/DS6 20"	1				



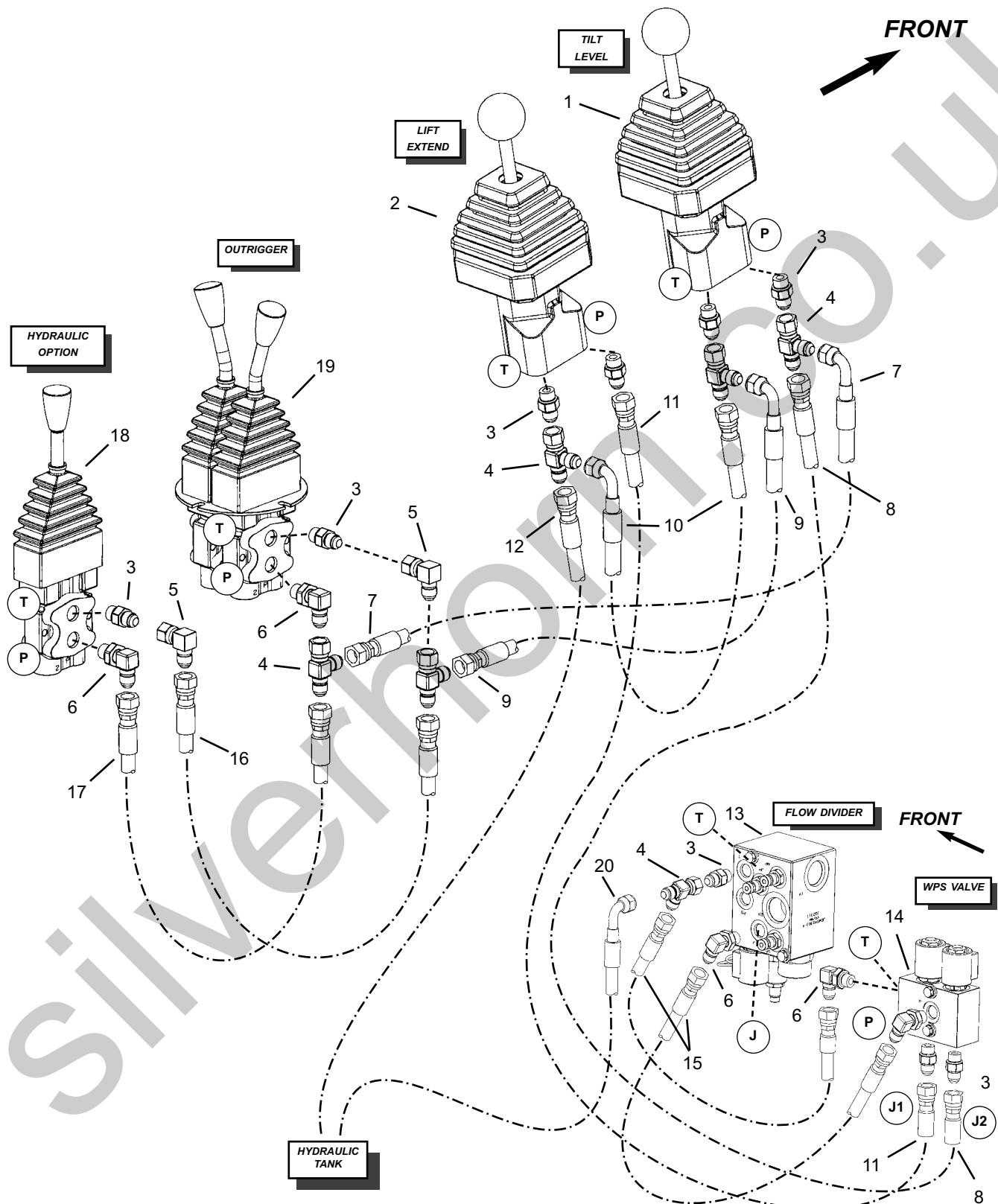
Hydraulic Controls - WPS and Aux. Hydraulic Option



Hydraulic Controls - WPS and Aux. Hydraulic Option

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL	1	10	808882	HOSE, -4 A6/DS6 17"	1
02	808138	CONTROLLER, LIFT/EXTEND	1	11	808265	HOSE, -4 A6/A6 54"	1
03	808443	ADAP, -6ORM -6JICM STR	AR	12	808282	HOSE, -4 A6/D6 35"	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	13	808126	MANIFOLD, JOYSTICK RELIEF	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG	AR	14	808127	MANIFOLD, WPS JOYSTICK	1
06	808455	ADAP, -6ORM -6JICM 90 DEG	AR	15	808715	HOSE, -4 A6/A6 15"	1
07	808850	HOSE, -4 A6/DS6 26"	1	16	808139	CONTROLLER, AUX. HYD.	1
08	808265	HOSE, -4 A6/A6 54"	1	17	808326	HOSE, -6 A6/DS6 18"	1
09	808850	HOSE, -4 A6/DS6 26"	1				

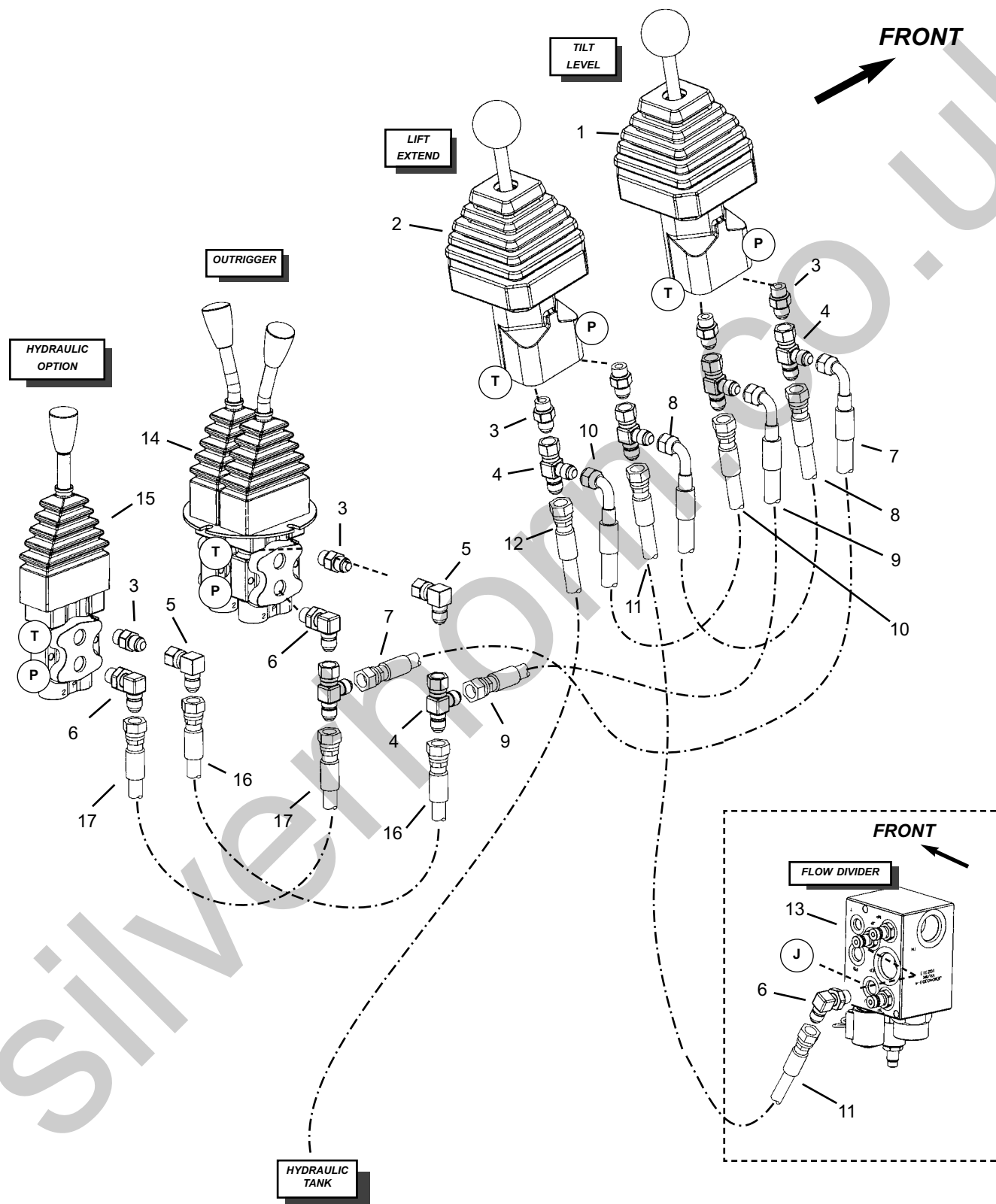
Hydraulic Controls - All Options with WPS



Hydraulic Controls - All Options

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL	1	11	808265	HOSE, -4 A6/A6 54"	1
02	808138	CONTROLLER, LIFT/EXTEND	1	12	808282	HOSE, -4 A6/D6 35"	1
03	808443	ADAP, -6ORM -6JICM STR	AR	13	808126	MANIFOLD, JOYSTICK RELIEF	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	14	808127	MANIFOLD, WPS JOYSTICK	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG	AR	15	808715	HOSE, -4 A6/A6 15"	2
06	808455	ADAP, -6ORM -6JICM 90 DEG	AR	16	808715	HOSE, -4 A6/A6 15"	1
07	808850	HOSE, -4 A6/DS6 26"	1	17	808715	HOSE, -4 A6/A6 15"	1
08	808265	HOSE, -4 A6/A6 54"	1	18	808139	CONTROLLER, AUX. HYD	1
09	808850	HOSE, -4 A6/DS6 26"	1	19	808140	CONTROLLER, OUTRIGGERS	1
10	808882	HOSE, -4 A6/DS6 17"	1	20	808326	HOSE, -6 A6/DS6 18"	1

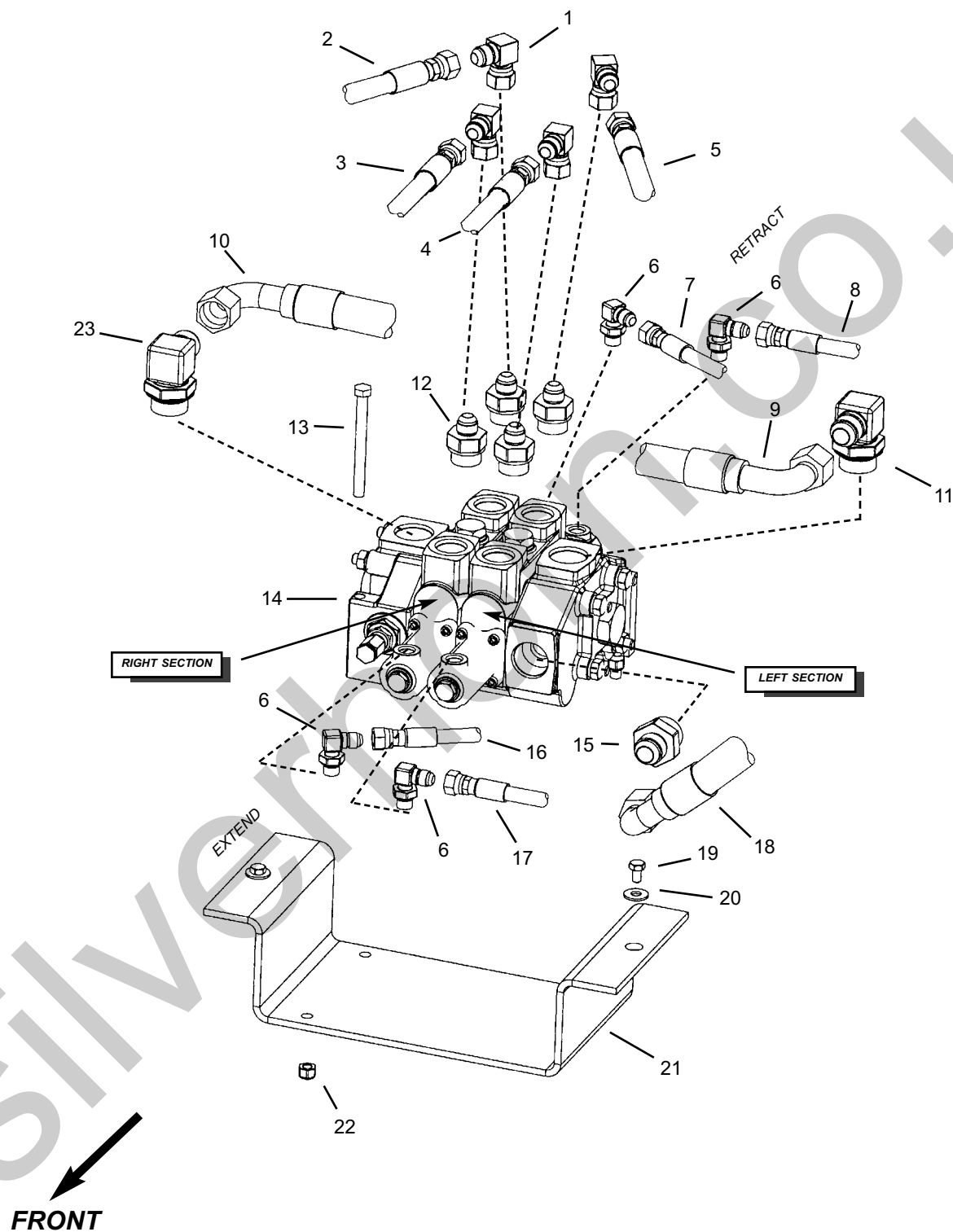
Hydraulic Controls - All Options without WPS



Hydraulic Controls - All Options without WPS

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808263	CONTROLLER, TILT/LEVEL.	1	10	808882	HOSE, -4 A6/DS6 17"	1
02	808138	CONTROLLER, LIFT/EXTEND.	1	11	808265	HOSE, -4 A6/A6 54"	1
03	808443	ADAP, -6ORM -6JICM STR	AR	12	808282	HOSE, -4 A6/D6 35"	1
04	808464	ADAP, -6 SWIVEL RUN TEE	AR	13	808126	MANIFOLD, JOYSTICK RELIEF.	1
05	808679	ADAP, -6JICM -6JICFS 90 DEG	AR	14	808140	CONTROLLER, OUTRIGGERS	1
06	808455	ADAP, -6ORM -6JICM 90 DEG	AR	15	808139	CONTROLLER, AUX. HYD.	1
07	808853	HOSE, -4 A6/DS6 20"	1	16	808715	HOSE, -4 A6/A6 15"	1
08	808882	HOSE, -4 A6/DS6 17"	1	17	808715	HOSE, -4 A6/A6 15"	1
09	808853	HOSE, -4 A6/DS6 20"	1				

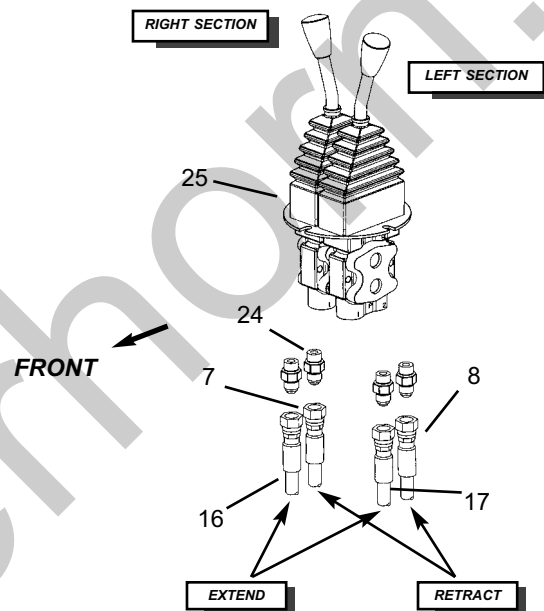
Outrigger Main Valve / Controller



Outrigger Main Valve / Controller

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808459	ADAP, -8ORM -8JICFS 90 DEG . . .	4	14	808133	VALVE, OUTRIGGER	1
02	808851	HOSE, -6 A8/DS8 54"	1	15	808779	ADAP, -16ORM -12JICM STR. . . .	1
03	808851	HOSE, -6 A8/DS8 54"	1	16	808852	HOSE, -4 A6/A6 96"	1
04	808851	HOSE, -6 A8/DS8 54"	1	17	808852	HOSE, -4 A6/A6 96"	1
05	808851	HOSE, -6 A8/DS8 54"	1	18	808267	HOSE, -12 A12/A12 30"	1
06 ^a	808409	ADAP, 1/4BSP -6JICM STRAIGHT .	4		808461	ADAP, -12JICM -12JICFS 90 DEG	1
	808679	ADAP, -6ORM -6JICFS SWVL 90 .	4	19	808602	5/16"-18X1/2" BOLT	2
07	808883	HOSE, -4 A6/A6 81"	1	20	808590	5/16" FLAT WASHER	2
08	808883	HOSE, -4 A6/A6 81"	1	21	808151	MOUNT, OUTRIGGER VALVE	1
09	808269	HOSE, -12 H12/DS12 58"	1	22	808663	3/8"-16 LOCK NUT	3
10	808268	HOSE, -12 A12/DS12 57"	1	23	808453	ADAP, -12ORM -12JICM 90 DEG .	1
11	808685	ADAP, -16ORM -12JICM 90 DEG .	1	24	808443	ADAP, -6ORM -6JICM STR.	4
12	808444	ADAP, -12ORM -8JICM STR.	4	25	808140	CONTROLLER, OUTRIGGERS . . .	1
13	808638	3/8"-16X4" BOLT	3				

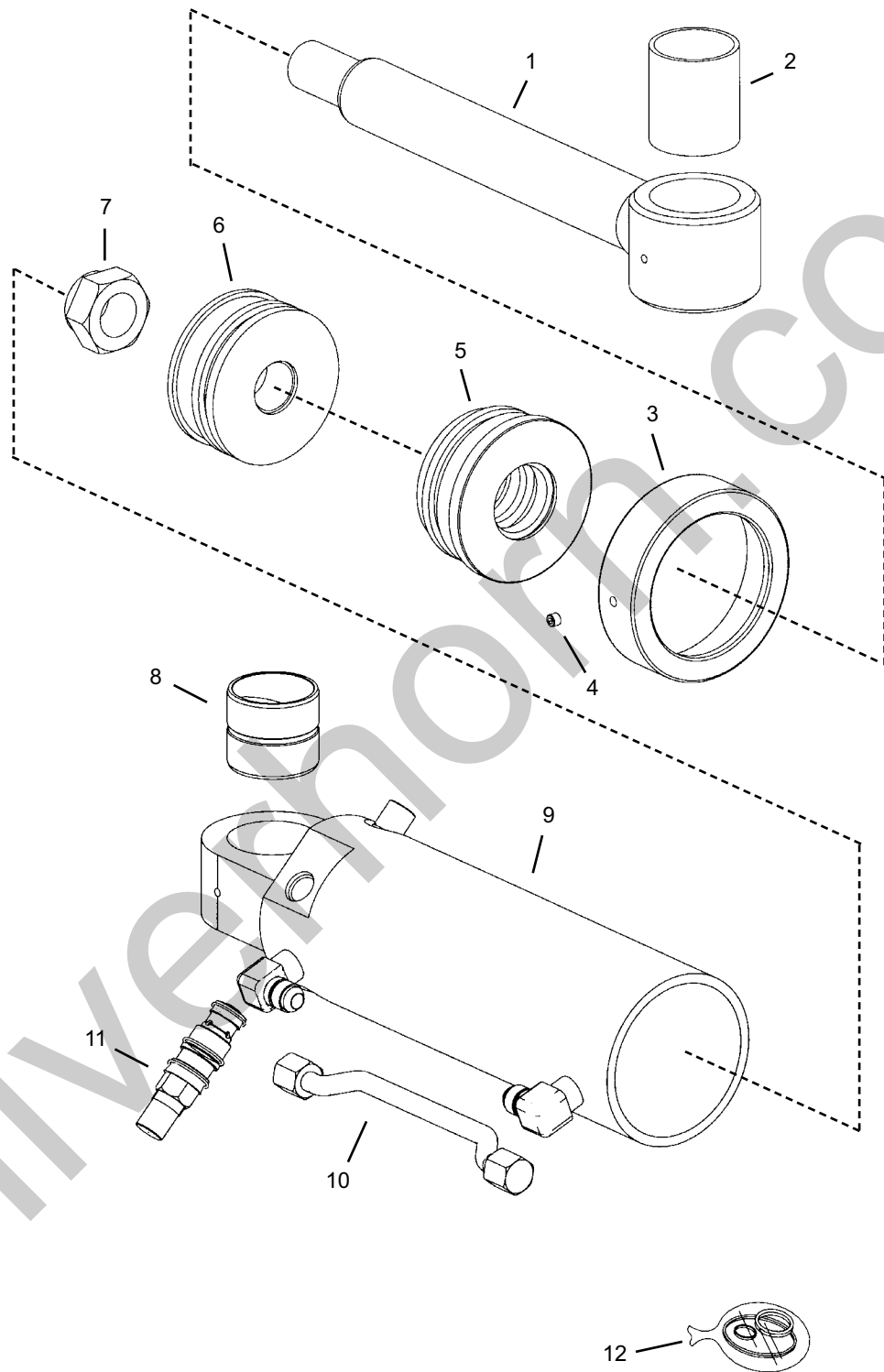
a Note; the illustration on the facing page does not show the parts individually.



HOSE LOCATOR

02	OUTRIGGER VAVLE "RIGHTSECTION" (retract)	OUTRIGGER CYLINDER "RIGHT SIDE" (retract)
03	OUTRIGGER VAVLE "RIGHTSECTION" (extend)	OUTRIGGER CYLINDER "RIGHT SIDE" (extend)
04	OUTRIGGER VAVLE "LEFT SECTION" (extend)	OUTRIGGER CYLINDER "LEFT SIDE" (extend)
05	OUTRIGGER VAVLE "LEFT SECTION" (retract)	OUTRIGGER CYLINDER "LEFT SIDE" (retract)
07	OUTRIGGER VAVLE "RIGHTSECTION" (retract)	OUTRIGGER CONTROLLER "RIGHT SIDE" (retract)
08	OUTRIGGER VAVLE "LEFT SECTION" (retract)	OUTRIGGER CYLINDER "LEFT SIDE" (retract)
09	OUTRIGGER MAIN VALVE "OUT"	SPLICE TO HOSE FROM MAIN VALVE "IN"
10	OUTRIGGER MAIN VALVE "IN"	FLOWDIVIDER VALVE "EP"
16	OUTRIGGER VAVLE "RIGHTSECTION" (extend)	OUTRIGGER CONTROLLER "RIGHT SIDE"(extend)
17	OUTRIGGER VAVLE "LEFT SECTION" (extend)	OUTRIGGER CONTROLLER "LEFT SIDE" (extend)
18	OUTRIGGER MAIN VALVE "TANK"	HYDRAULIC TANK "RETURN" (front side of tank)

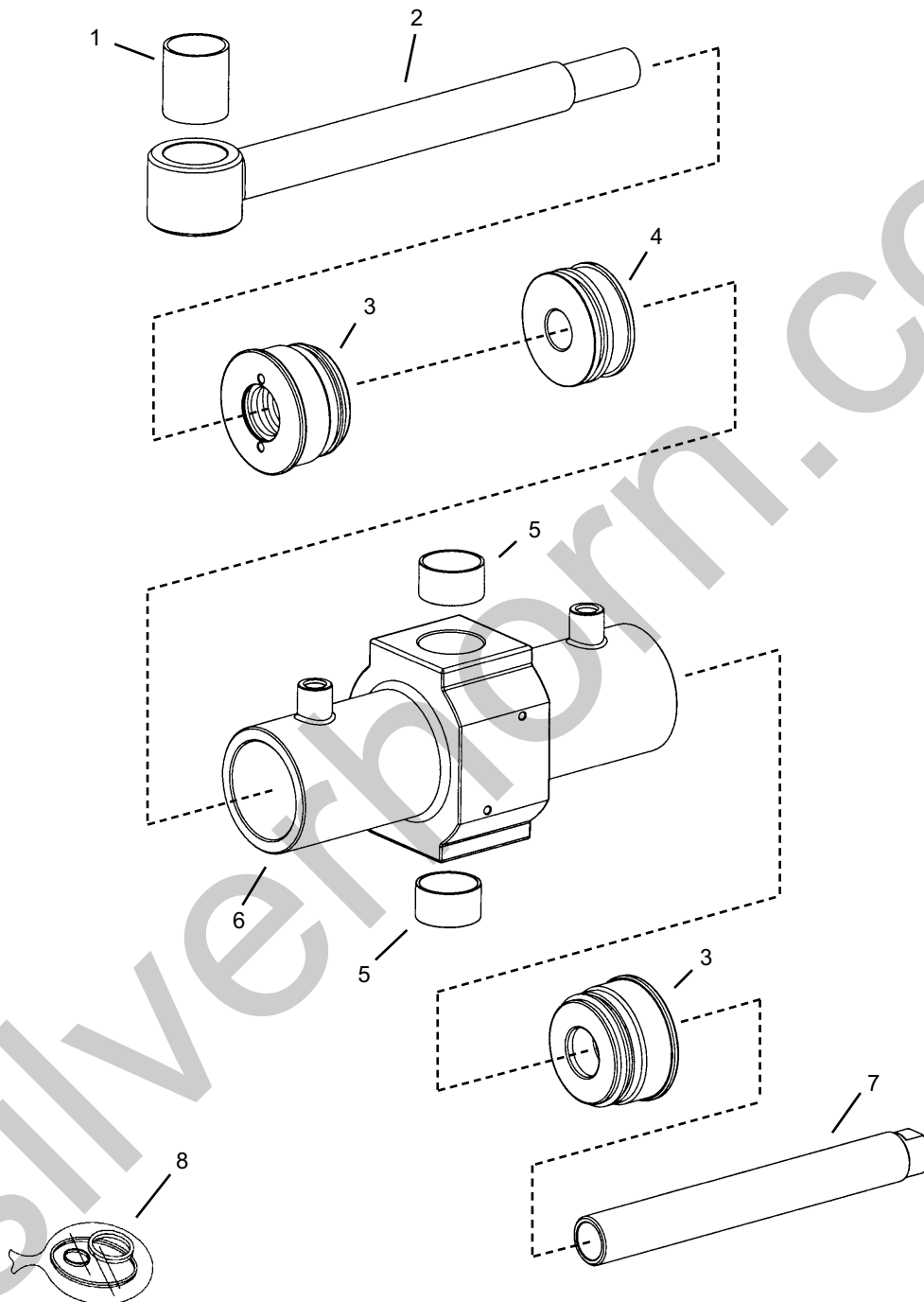
Frame Level Cylinder - Breakdown



Frame Level Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808304	FRAME LEVEL CYL. (Complete) . .	1	08	808756	BUSHING 2.0X2.25X2.0"	1
01	809059	ROD	1	09	NSS	TUBE WELDMENT	1
02	808708	BUSHING	1	10	809062	OIL LINE TUBE ASSEMBLY	1
03	809067	HEAD GLAND CAP	1	11	809267	COUNTER BALANCE VALVE	2
04	809136	5/16"-18x1/4" SET SCREW	1		808965	SEAL KIT (CBV)	1
05	809061	HEAD GLAND	1	12	809060	CYLINDER SEAL KIT	1
06	809068	PISTON	1			(Items included are not shown)	
07	809128	1-1/4"-12 UNF LOCKNUT	1				

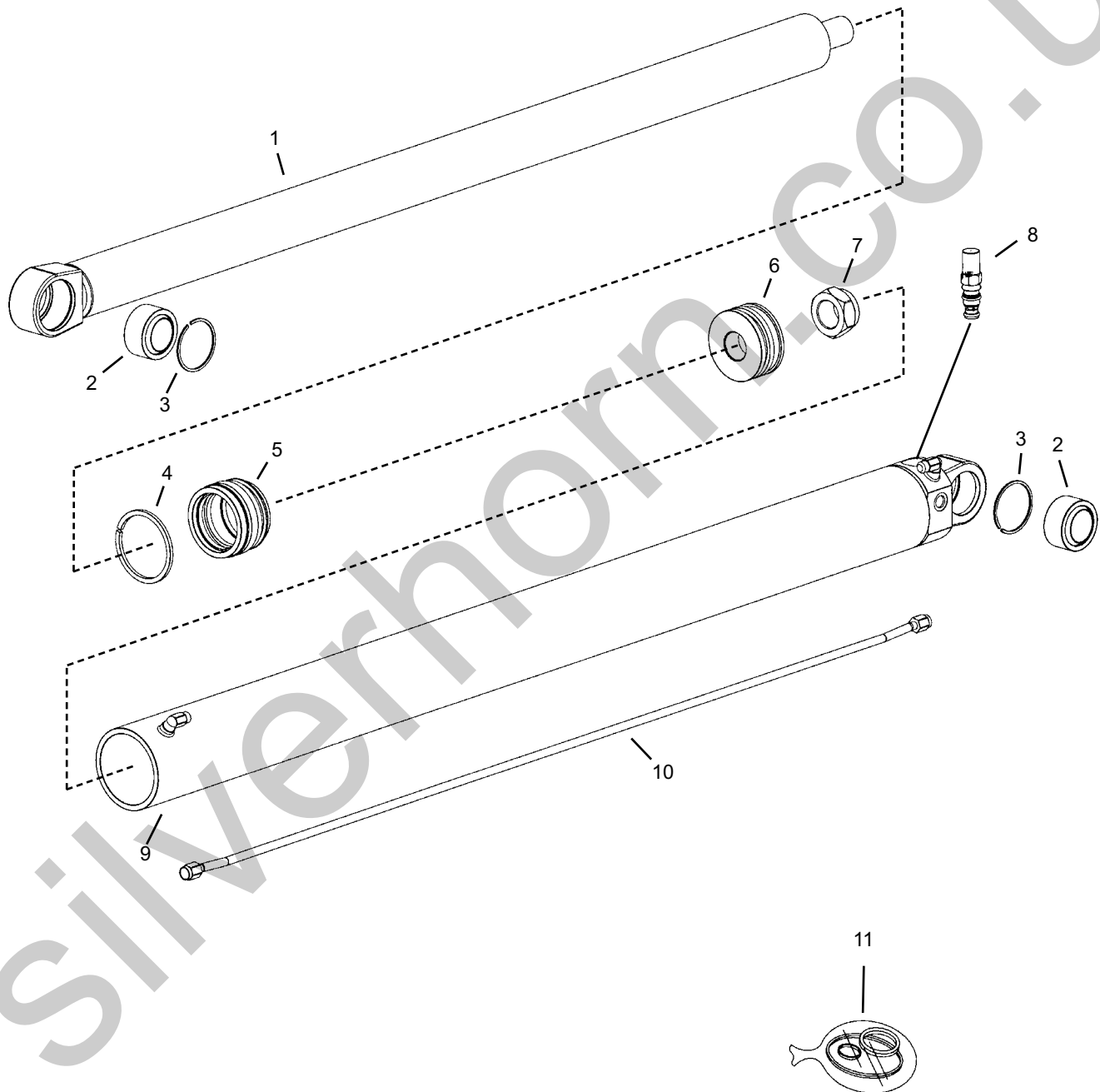
Stabilizing Cylinder - Breakdown



Stabilizing Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808117	STABILIZING CYL. <i>(Complete)</i>	1	05	808878	BUSHING	2
01	808858	BUSHING	1	06	NSS	TUBE WELDMENT	1
02	808346	ROD WELDMENT	1	07	809158	CYLINDER ROD	1
03	809159	HEAD GLAND	2	08	809161	SEAL KIT	1
04	809160	PISTON	1			<i>(Items included are not shown)</i>	

Lift Cylinder - Breakdown

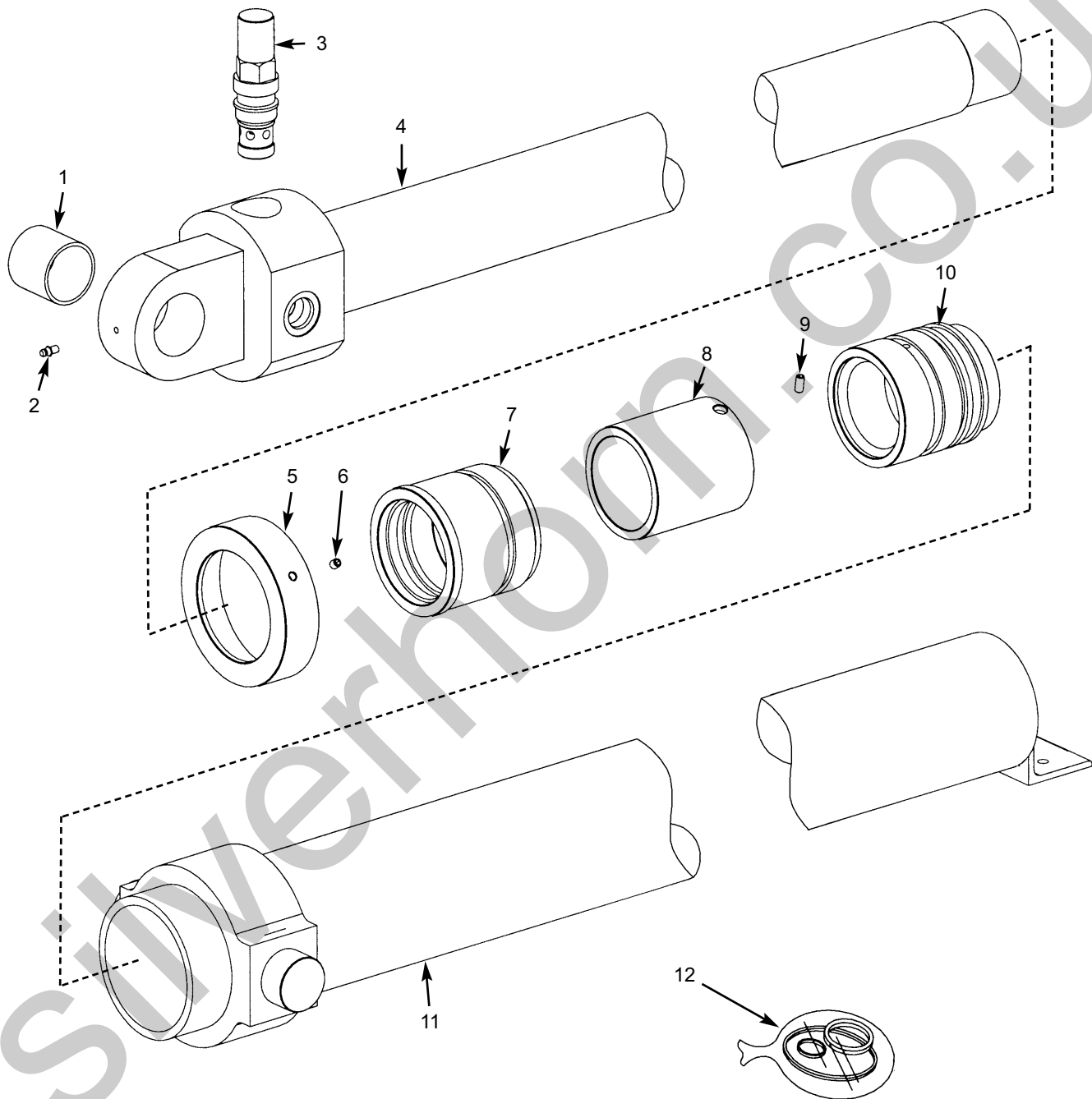


Lift Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808820	COMPL. ASSEMBLY	1	07	809104	LOCKNUT 1-3/4-12	1
01	NSS	ROD WELDMENT.	1	08	808476	COUNTERBAL. VALVE	1
02	808962	SPHERICAL BUSHING 1.5 ID ...	2		808955	CB SEAL KIT	1
03	808963	RETAINER RING	2		808795	CAP	1
04	809105	LOCKING INSERT	1	09	NSS	TUBE WELDMENT.	1
05	809102	END GLAND	1	10	809103	HYD. OIL LINE TUBE	1
06	808964	PISTON	1	11 ^a	809127	CYLINDER SEAL KIT	1

a Items included with seal kit are not shown

Boom Extend Cylinder - Breakdown



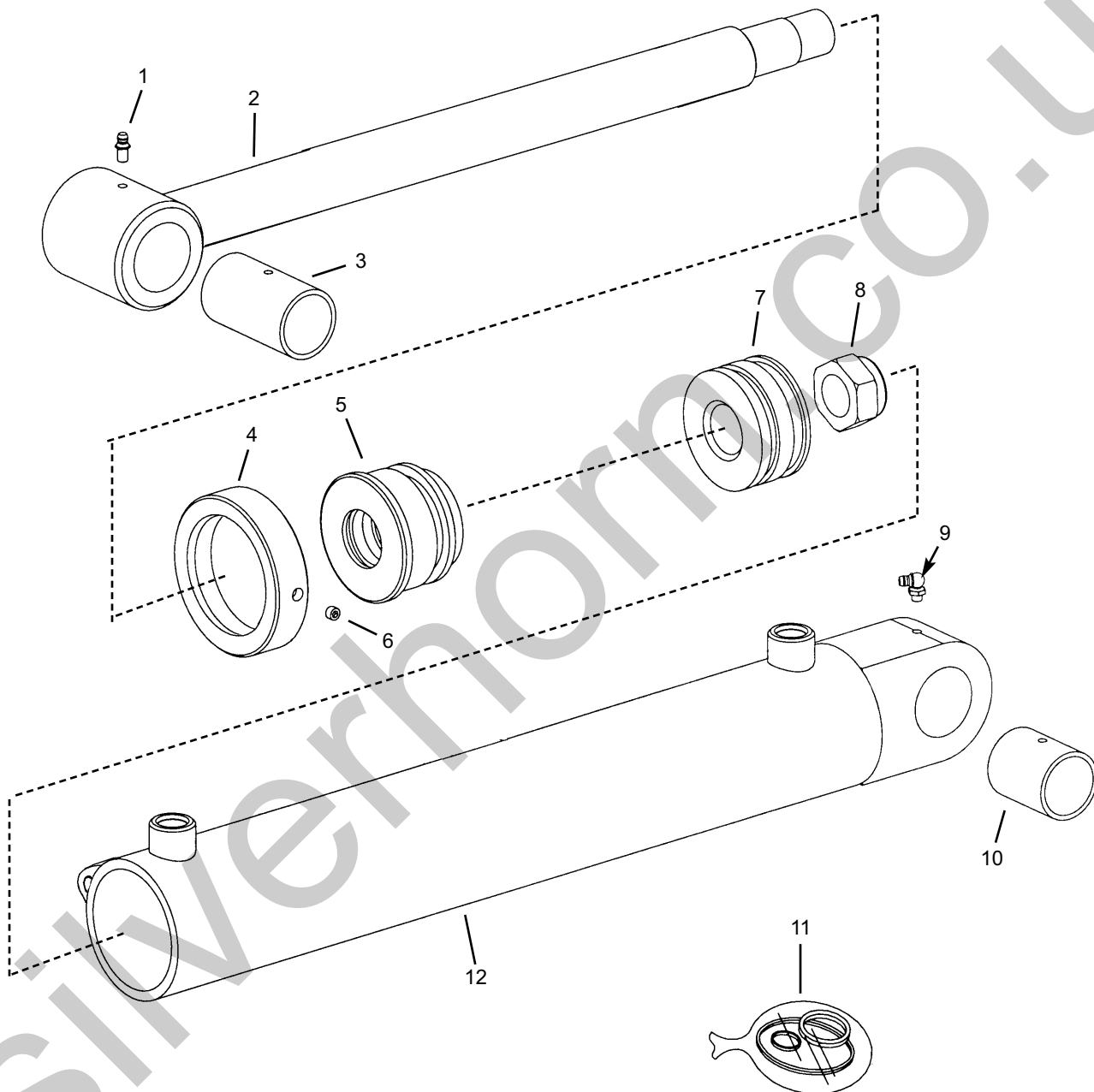
Boom Extend Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
a	808160	COMPLETE ASSEMBLY		07	809100	HEAD GLAND	1
b	808161	COMPLETE ASSEMBLY		08	808312	ROD SPACER	1
01	808756	BUSHING (ROD END)	1	09	809143	5/16-18X5/8" SET SCREW	1
02	808424	1/4"-28 GREASE ZERK	1	10	809142	PISTON	1
03	808903	COUNTER BALANCE VALVE	1	11	NSS	CYLINDER TUBE WELDMENT ...	1
	809162	CBAL VALVE SEAL KIT	1	12 ^c	809141	CYLINDER SEAL KIT	1
04		ROD WELDMENT	1				
	809145	<i>Note a</i>					
	808311	<i>Note b</i>		a		<i>Used with 42' Boom</i>	
05	808556	HEAD GLAND CAP	1	b		<i>Used with 44' Boom</i>	
06	809144	5/16-18X5/16" SET SCREW	1	c		<i>Items included in the seal kit are not shown.</i>	

MT6642T/XT - 42' BOOM

MT8044XT - 44' BOOM

Slave Cylinder - Breakdown

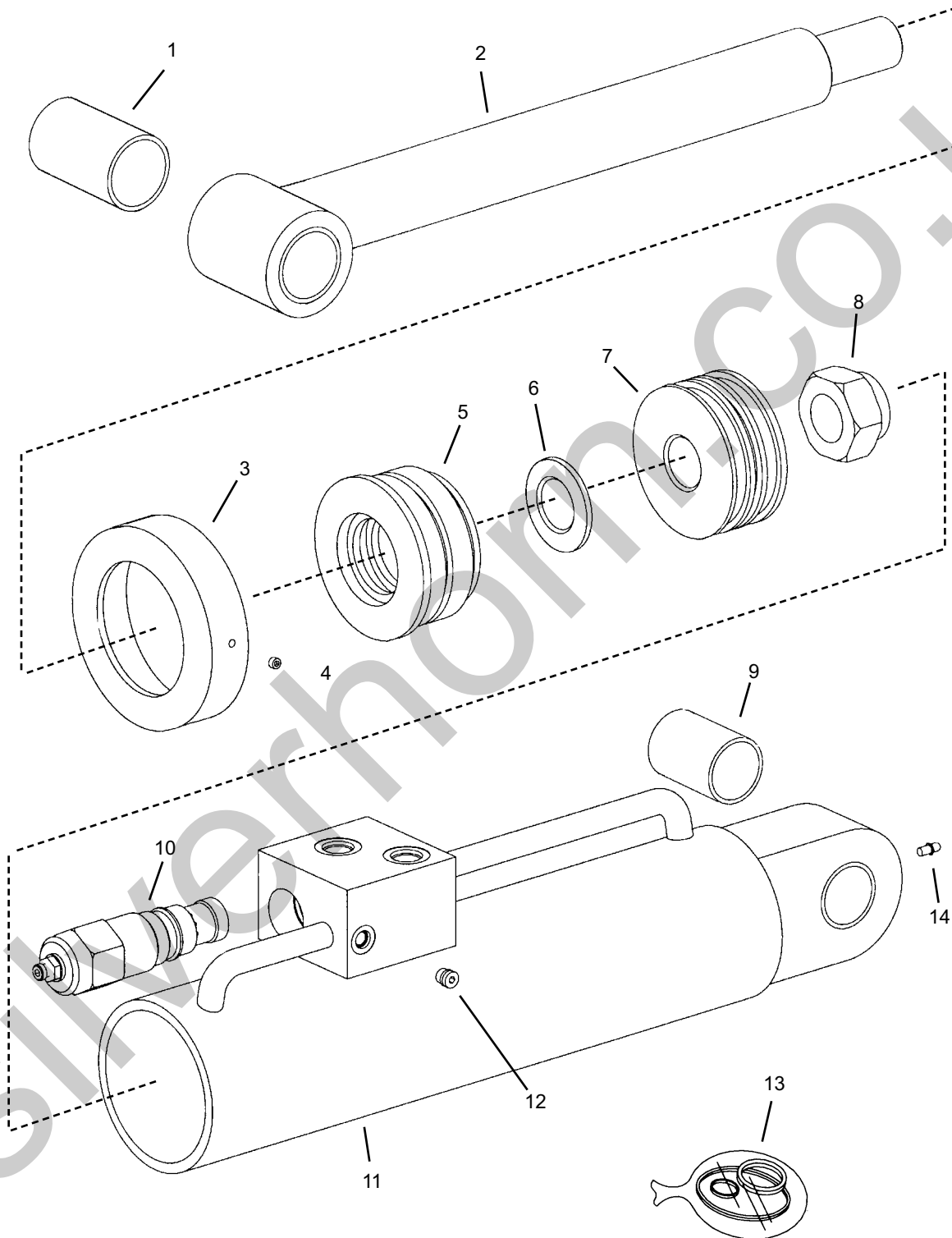


Slave Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808860	COMPLETE ASSEMBLY.....	1	07	809137	PISTON	1
01	808424	1/4-28 GREASE ZERK STR	1	08	808578	1-3/8-12 UNF LOCKNUT.....	1
02	809138	ROD WELDMENT.....	1	09	808423	1/4-28 GREASE ZERK 90 DEG ...	1
03	808709	BUSHING (ROD END)	1	10	808831	BUSHING (BASE END).....	1
04	809067	HEAD GLAND CAP.....	1	11 ^a	809140	CYLINDER SEAL KIT	1
05	809139	HEAD GLAND	1	12	NSS	CYLINDER TUBE WELDMENT ...	1
06	809136	5/16-18X1/4" SET SCREW	1				

a Items included in the seal kit are not shown.

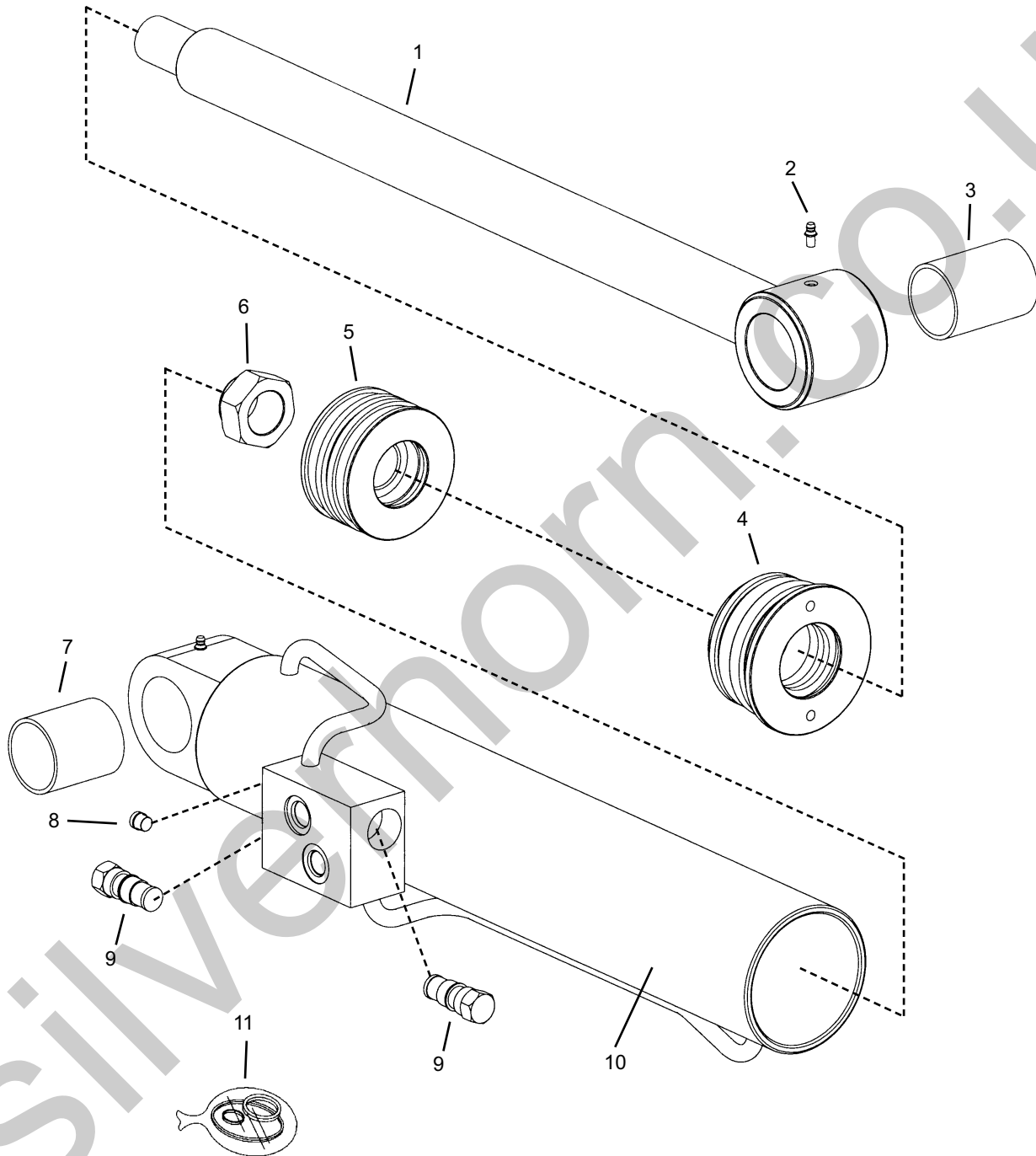
Tilt Cylinder - Breakdown



Tilt Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808859	COMPLETE ASSEMBLY.....	1	09	808857	BUSHING (BASE END).....	1
01	809150	BUSHING	1	10	808907	COUNTER BALANCE VALVE.....	1
02	809148	ROD WELDMENT	1		808955	CB VALVE SEAL KIT	1
03	809135	HEAD GLAND CAP.....	1	11	NSS	CYLINDER TUBE WELDMENT ...	1
04	809144	5/16"-18X5/16" SET SCREW	1	12	809155	PLUG -4.....	1
05	809149	HEAD GLAND	1	13 ^a	809146	CYLINDER SEAL KIT	1
06	809134	THRUST WASHER	1	14	808424	1/4-28 GREASE ZERK STR	1
07	809147	PISTON	1				
08	809104	1-3/4" UNF LOCKNUT.....	1				
				a	Items included in the seal kit are not shown.		

Outrigger Cylinder - Breakdown

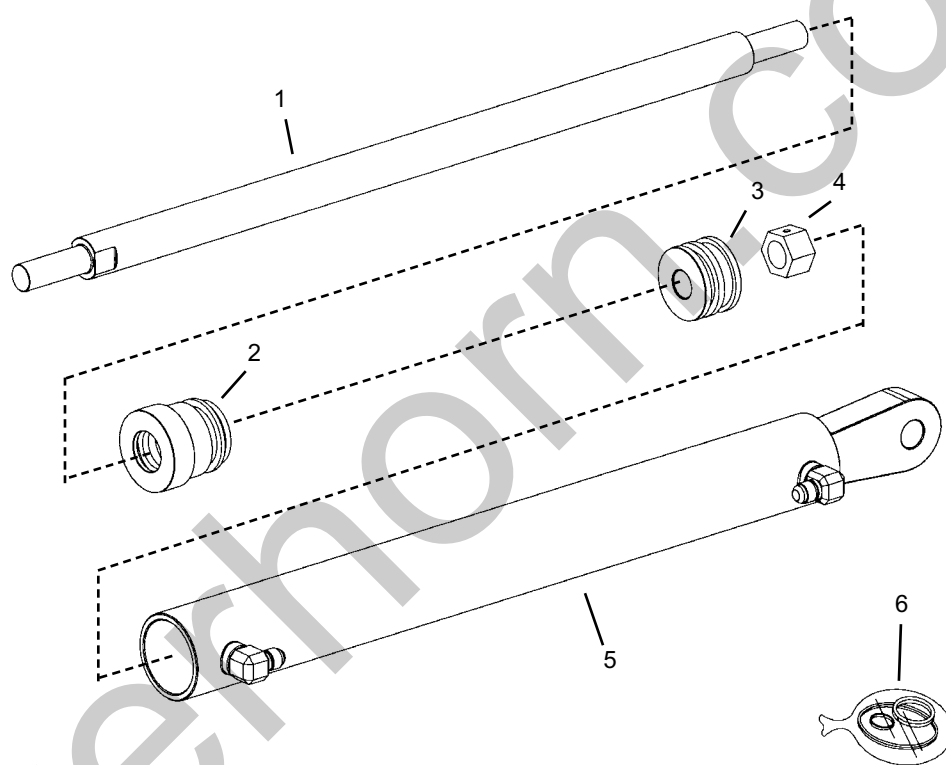


Outrigger Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808910	COMPLETE ASSEMBLY		07	808858	BUSHING (BASE END).....	1
01	809168	ROD WELDMENT.....	1	08	809155	PLUG, -40RM	1
02	808424	1/4"-28 GREASE ZERK.....	2	09	809166	PO CHECK VALVE	2
03	808911	BUSHING (ROD END)	1	10	NSS	CYLINDER TUBE WELDMENT ...	1
04	809169	HEAD GLAND	1	11 ^a	809167	CYLINDER SEAL KIT	1
05	809268	PISTON	1				
06	808578	1-3/8"-12 UNF LOCKNUT	1				

a Items included in the seal kit are not shown.

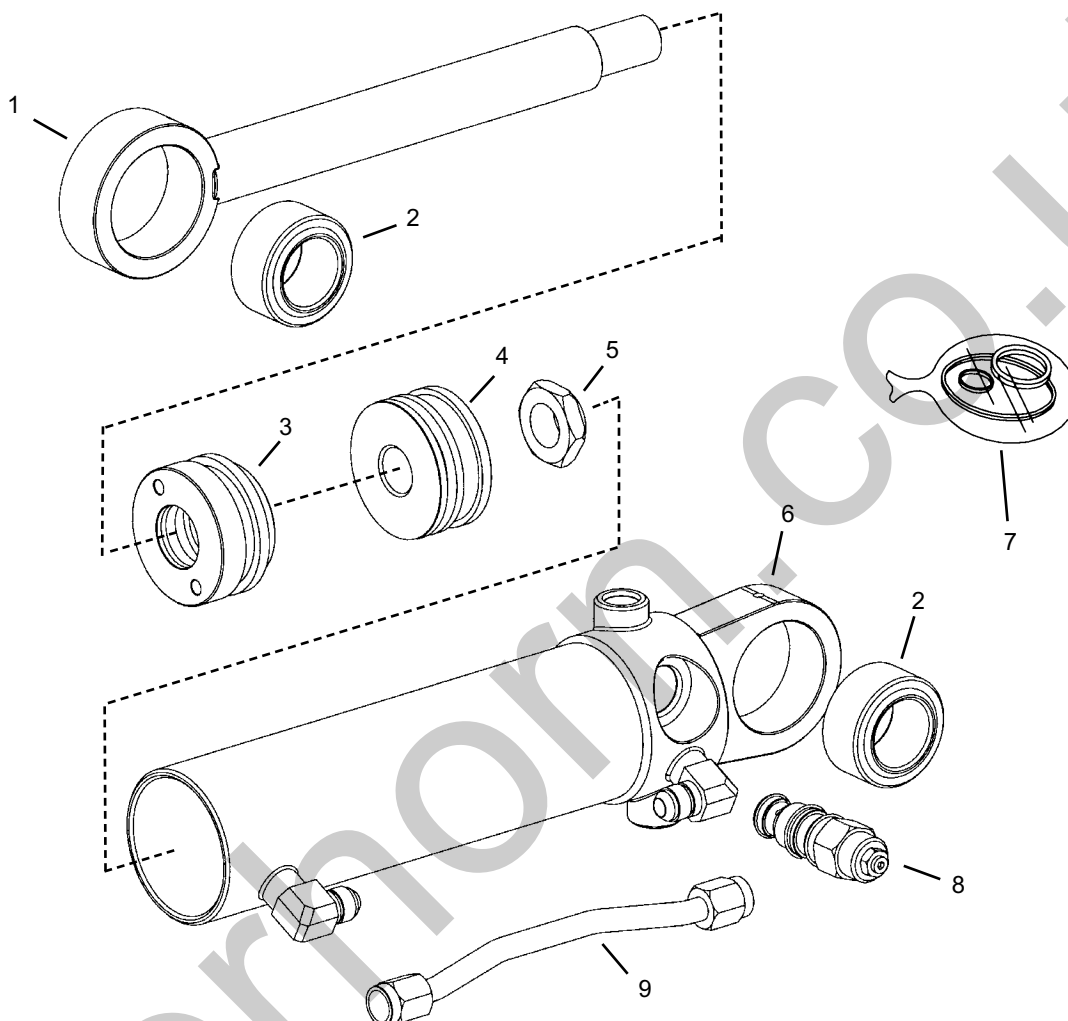
Fork Shift Cylinder - Breakdown



Fork Shift Cylinder - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808834	COMPLETE ASSEMBLY		05	NSS	TUBE WELDMENT	1
01	808581	ROD WELDMENT	1	06 ^a	808506	SEAL KIT	1
02	808580	HEAD GLAND	1				
03	808579	PISTON	1				
04	808071	3/4"-16 UNF LOCKNUT	1	a		Items included in the seal kit are not shown.	

Rotate Carriage Cylinder - Breakdown

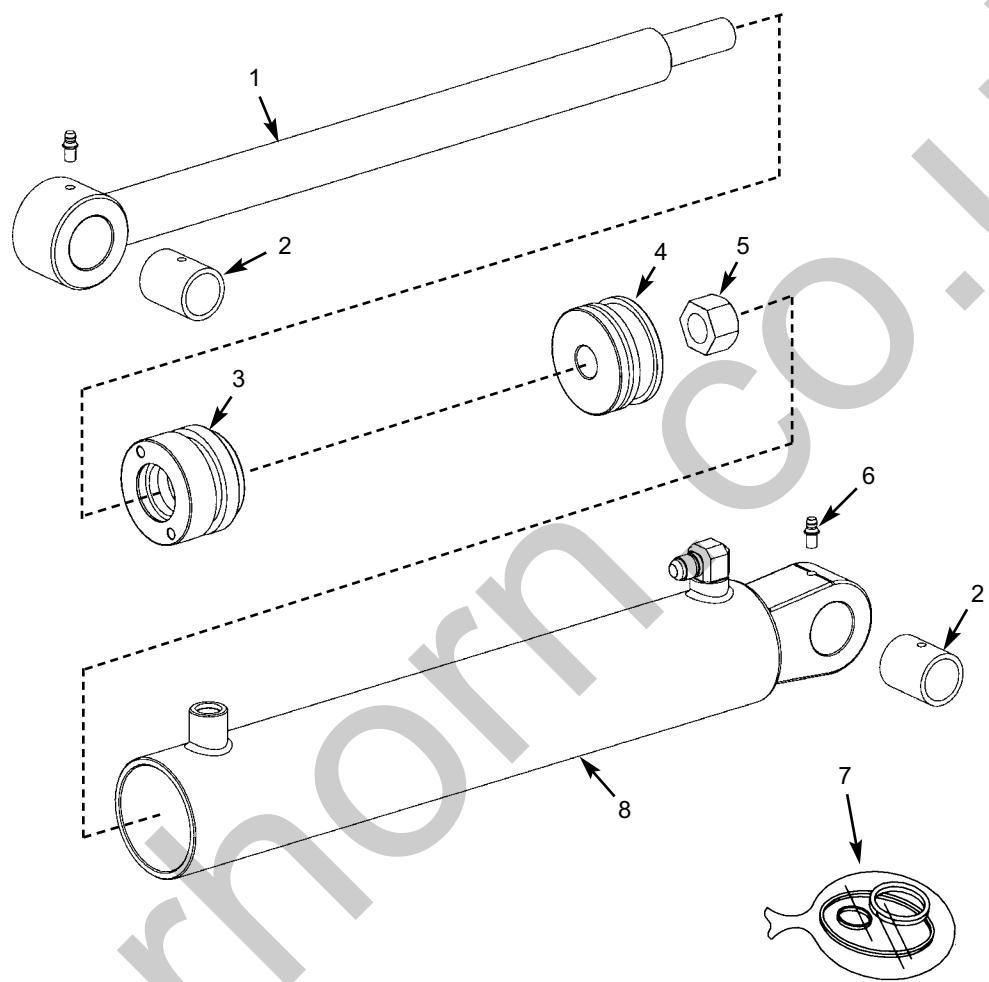


Ref. No.	Part No.	Description	Qty. Req.
	808918	COMPLETE ASSEMBLY	
01	808502	ROD WELDMENT	1
02	808743	SPHERICAL BEARING	2
03	809101	HEAD GLAND	1
04	808961	PISTON	1
05	808070	1"-14 UNS THIN COL. LOCKNUT	1
06	NSS	TUBE WELDMENT	1
07a	808960	SEAL KIT	1

Ref. No.	Part No.	Description	Qty. Req.
08	808476	CB VALVE (3000 psi)	2
	808955	CB VALVE SEAL KIT	1
09	808501	HYDRAULIC LINE ASSEMBLY	1

a Items included in the seal kit are not shown.

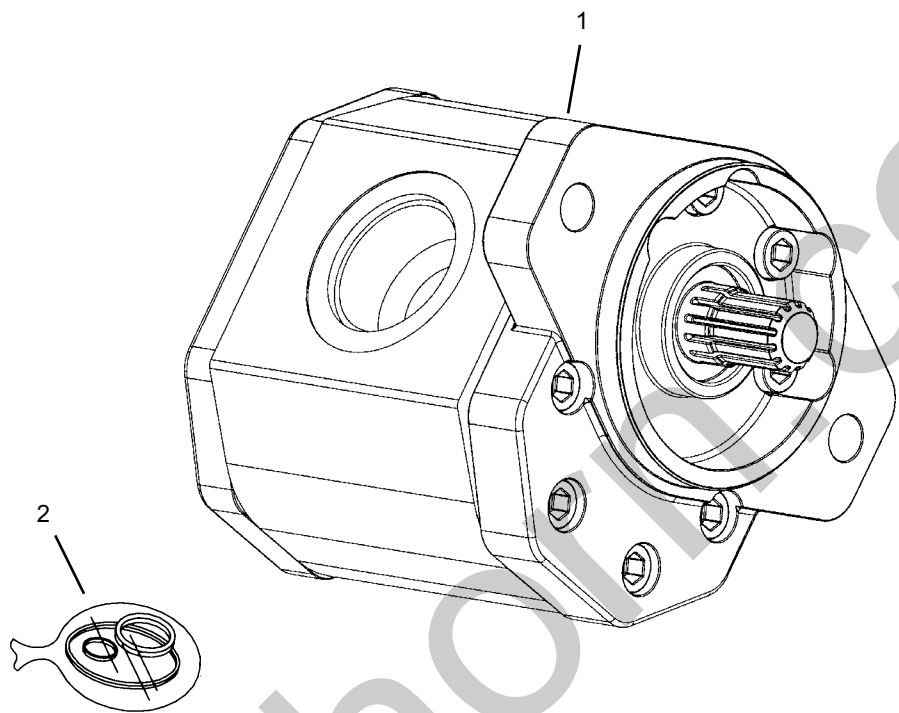
Swing Carriage Cylinder - Breakdown



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
	808738	COMPLETE ASSEMBLY		06	808424	1/4"-28 GREASE ZERK.	2
01	809269	ROD WELDMENT.	1	07 ^a	809163	SEAL KIT.	1
02	808720	BUSHING.	2	08	NSS	TUBE WELDMENT.	1
03	809270	HEAD GLAND.	1				
04	809271	PISTON.	1				
05	808071	3/4"-16 UNF LOCKNUT.	1				

^a Items included in the seal kit are not shown.

Hydraulic Pump - Breakdown

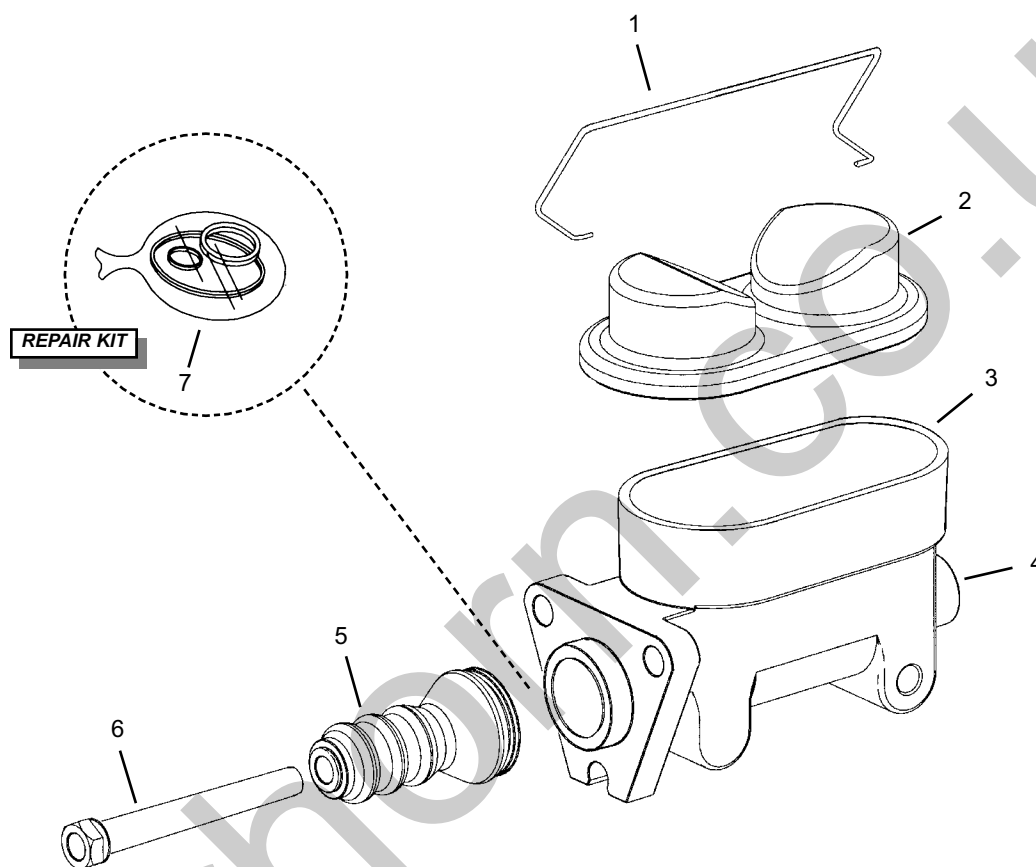


Ref. No.	Part No.	Description	Qty. Req.
01	808146	HYDRAULIC PUMP	1
	808469	GASKET, PUMP	1
(between pump and transmission)			
02 ^a	808350	SEAL KIT	1

Ref. No.	Part No.	Description	Qty. Req.
a	Items included in seal kit are not shown.		

NOTE: Field service is limited to seals replacement.

Master Cylinder Brake Valve - Breakdown

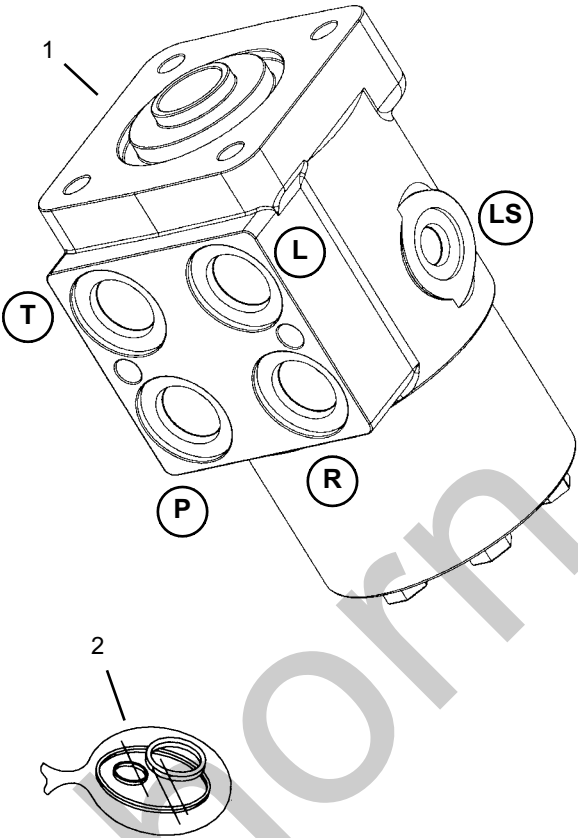


Ref. No.	Part No.	Description	Qty. Req.
00	808714	BRAKE VALVE ASY. (Complete) (Two brake valves are required)	
01	809063	BAIL WIRE	1
02	NSS	COVER	1
	809064	DIAPHRAM GASKET	1
03	NSS	BODY	
04	NSS	TUBE SEAT (not shown)	1
05	809065	RUBBER BOOT	1

Ref. No.	Part No.	Description	Qty. Req.
06	NSS	PUSH ROD	1
07 ^a	809066	REPAIR KIT (Items included are not shown)	1

^a Repair kit includes seals, cups, return spring, second arm piston, and snap ring. Piston is not included or sold separately.

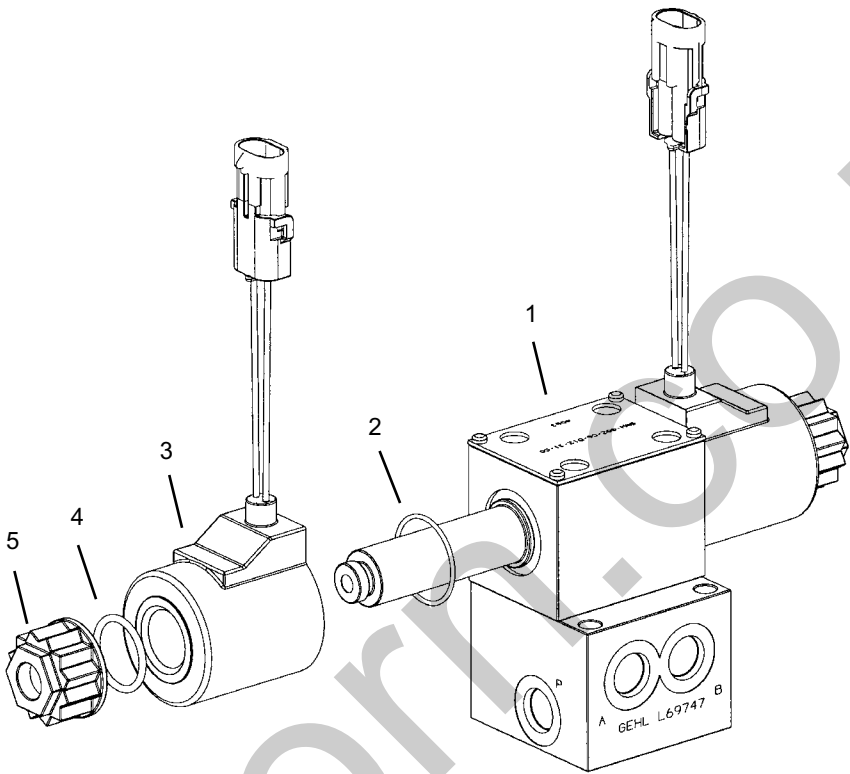
Power Steer Motor - Breakdown



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808101	STEERING CONTROL UNIT	1				
02	808585	SEAL KIT.....	1				
		(Items included are not shown)					

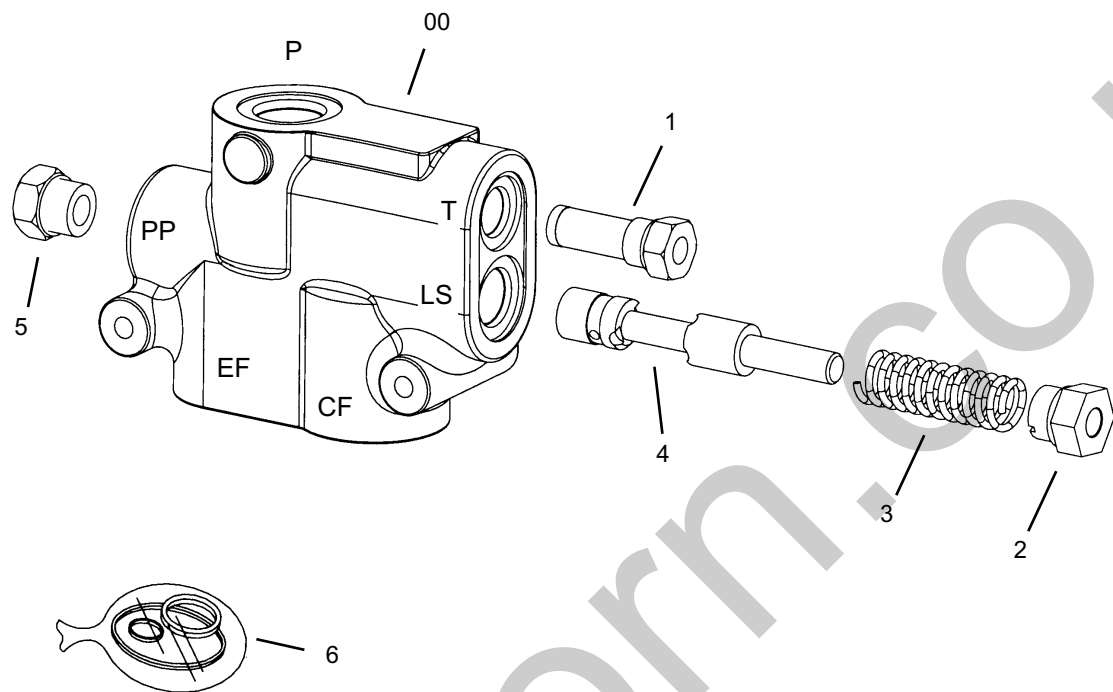
NOTE: Field service is limited to seals replacement.

Steer Select Valve - Breakdown



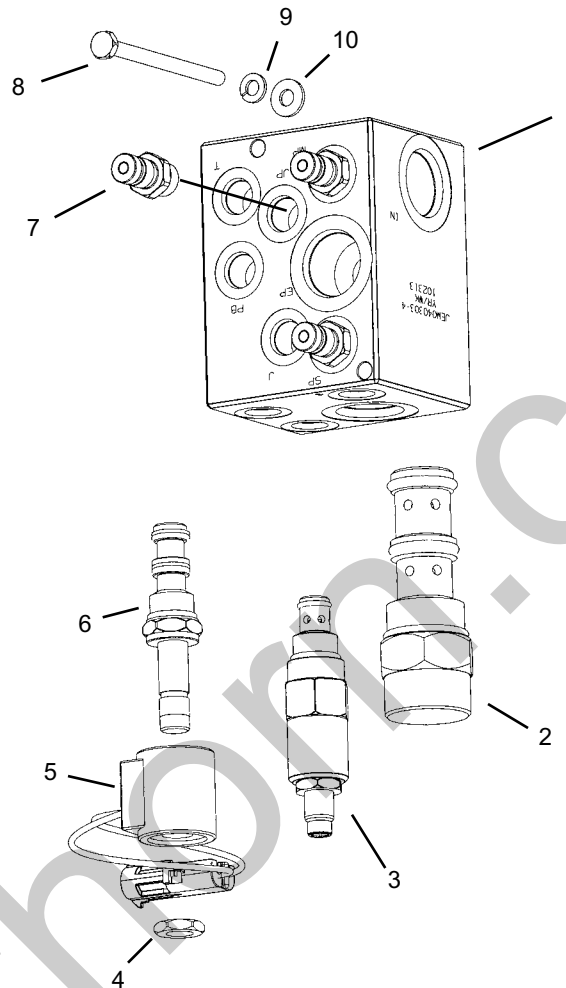
Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808877	STEER SELECT VALVE	1	05	NSS	NUT	2
		(Includes all items shown)				(Included with item 3)	
02	808398	ORING	2			-- ITEMS NOT SHOWN --	
03	808393	COIL 12VDC W/CONNECTOR	2	00	809272	WIRE HARNESS	2
		(Includes item 5; nut)				(connects wire leads to frame wiring)	
04	808397	ORING	2				

Priority Flow Divider - Breakdown



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808748	COMPL. ASY.	1	04	NSS	SPOOL	1
01	808958	RELIEF CARTRIDGE ASY.	1	05	NSS	PLUG	1
02	NSS	PLUG ASY.	1	06 ^a	808959	SEAL KIT	1
03	NSS	SPRING	1				
				^a Items in seal kit are not shown.			

Flow Divider - Breakdown

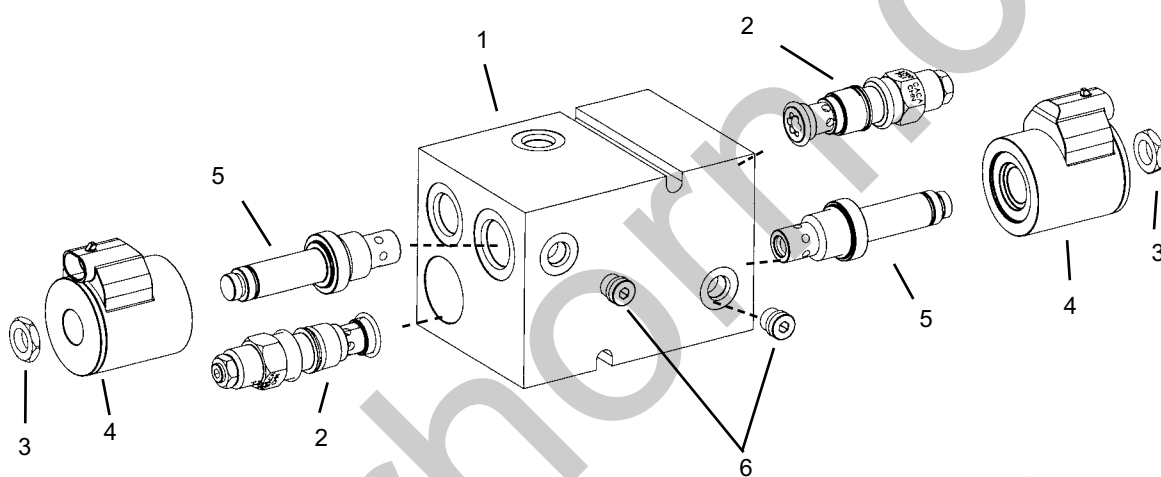


Ref. No.	Part No.	Description	Qty. Req.
01	808126	MANIFOLD, FLOW DIVIDER1 (includes items 1-7)	
02	808349	PILOTED SPOOL LOGIC ELEM.1	
03	809157	RELIEF VALVE1	
	809156	SEAL KIT1	
04	NSS	NUT, SOLENOID VALVE1 (included with item 5)	
05	809151	12 VDC WEATHER PACK COIL1 (includes item 4)	
06	809152	SOLENOID VALVE1	
	809153	SEAL KIT1	
07	809174	TEST PORT3	

Ref. No.	Part No.	Description	Qty. Req.
	808704	CAP, DUST COVER (not shown)3	
08	809273	1/4"-20X3-1/2" BOLT2	
09	808589	1/4" LOCK WASHER2	
10	808588	1/4" FLAT WASHER2	

NOTE: Items included in seal kits are not shown.

Stabilizing Valve - Breakdown

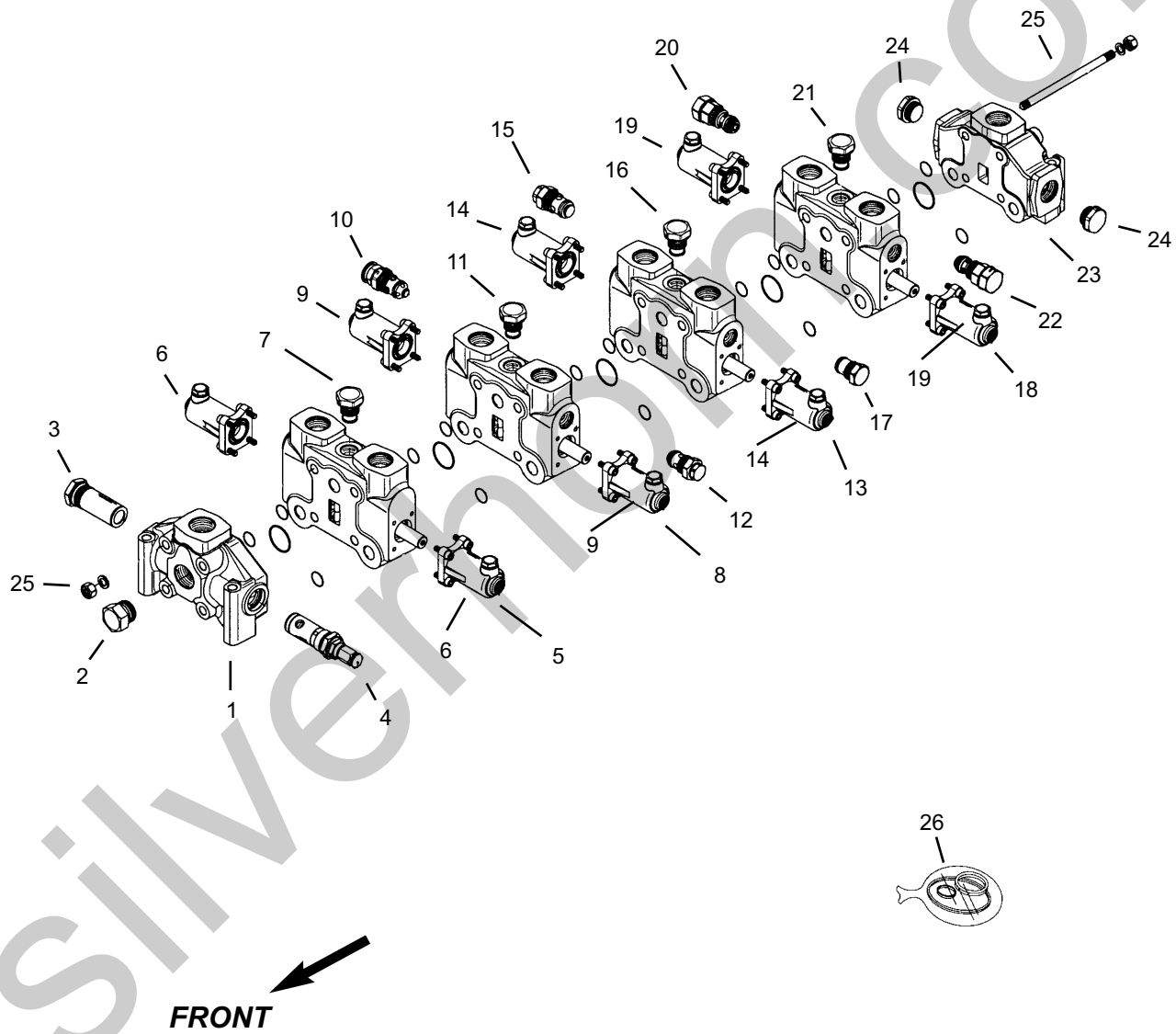


Stabilizing Valve - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808305	COMPLETE. VALVE ASSEMBLY .. 1 <i>(includes all items shown)</i>		04	808407	E-COIL 12VDC	2
02	809267	COUNTER BAL. VALVE 3700PSI.. 2		05	808408	CARTRIDGE <i>(only)</i>	2
	808965	CBV SEAL KIT	2		809154	SEAL KIT <i>(included with cartridge)</i>	2
03	NSS	NUT <i>(Included with item 5)</i>	2	06	809155	PLUG -4ORM	2

NOTE: Items included in seal kits are not shown.

Main Valve - Breakdown



Ref. No.	Part No.	Description	Qty. Req.
-	808129	COMPLETE ASY.	1
01 ^a	808362	INLET SECTION <i>(includes items 1-4)</i>	1
02 ^h	808359	PLUG KIT 1-5/16" UNF	1
03 ^h	808358	PLUG KIT	1
04	808357	PILOT OPERATED RELIEF VLV ...	1
05 ^b	808363	WORK SECTION (<i>Frame Level</i>) ... <i>(includes items 5-7)</i>	1
06 ^g	808361	HYD. CONTROL KIT	1
07 ^h	808360	CHECK VALVE	1
08 ^c	808364	WORK SECTION (<i>Boom In/out</i>) ... <i>(includes items 8-12)</i>	1
09 ^g	808361	HYD. CONTROL KIT	1
10 ^h	808356	ANTISHOCK VALVE (140 BAR) ...	1
11 ^h	808360	CHECK VALVE	1
12 ^h	808354	ANTICAVITATION VALVE	1
13 ^d	808365	WORK SECTION (<i>Boom Up/Down</i>) 1 <i>(includes items 13-17)</i>	1
14 ^g	808361	HYD. CONTROL KIT	1
15 ^h	808354	ANTICAVITATION VALVE	1
16 ^h	808360	CHECK VALVE	1

Ref. No.	Part No.	Description	Qty. Req.
17 ^h	808355	KIT PLUG	1
18 ^e	808366	WORK SECTION (<i>Tilt</i>) <i>(includes items 18-22)</i>	1
19 ^g	808361	HYD. CONTROL KIT	1
20 ^h	808353	COMBINATED VALVE	1
21 ^h	808360	CHECK VALVE	1
22 ^h	808353	COMBINATED VALVE	1
23	808369	OUTLET SECTION <i>(includes item 24)</i>	1
24 ^h	808375	PLUGAR	
25	808367	TIE ROD KIT (<i>4 section valve</i>) ...	1
26 ^f	808370	SEAL KIT	1

a Use seal kit #808371 for all related seals

b Use seal kit #808382 for all related seals

c Use seal kit #808372 for all related seals

d Use seal kit #808373 for all related seals

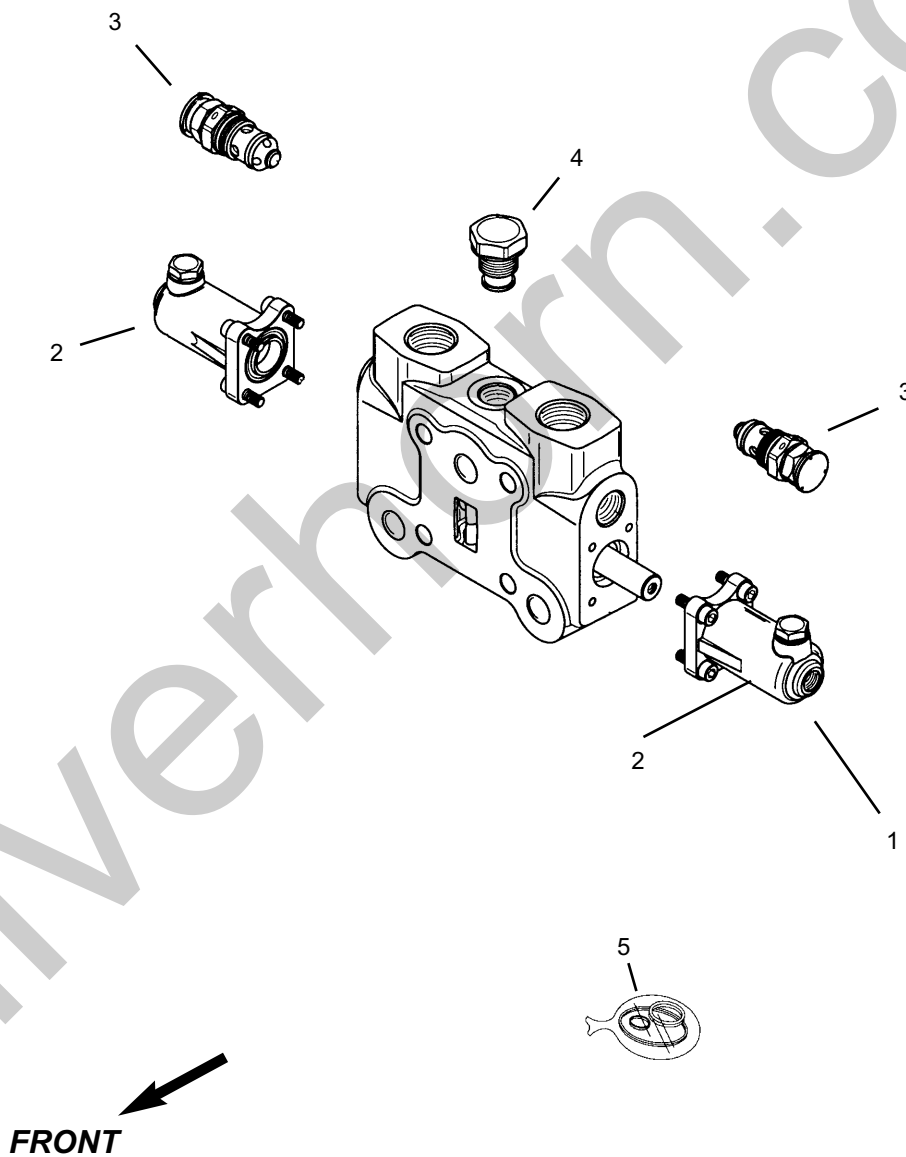
e Use seal kit #808374 for all related seals

f Items included with seal kit are not shown in detail.

g Includes outer caps, orings, bolts, plug and internal spool spring for this work section, does not include orings for valves/plugs or the spool.

h Includes required seals/orings for this valve/plug. Seals/orings for this valve are not sold individually, however they are included with the work section seal kit where this valve is used.

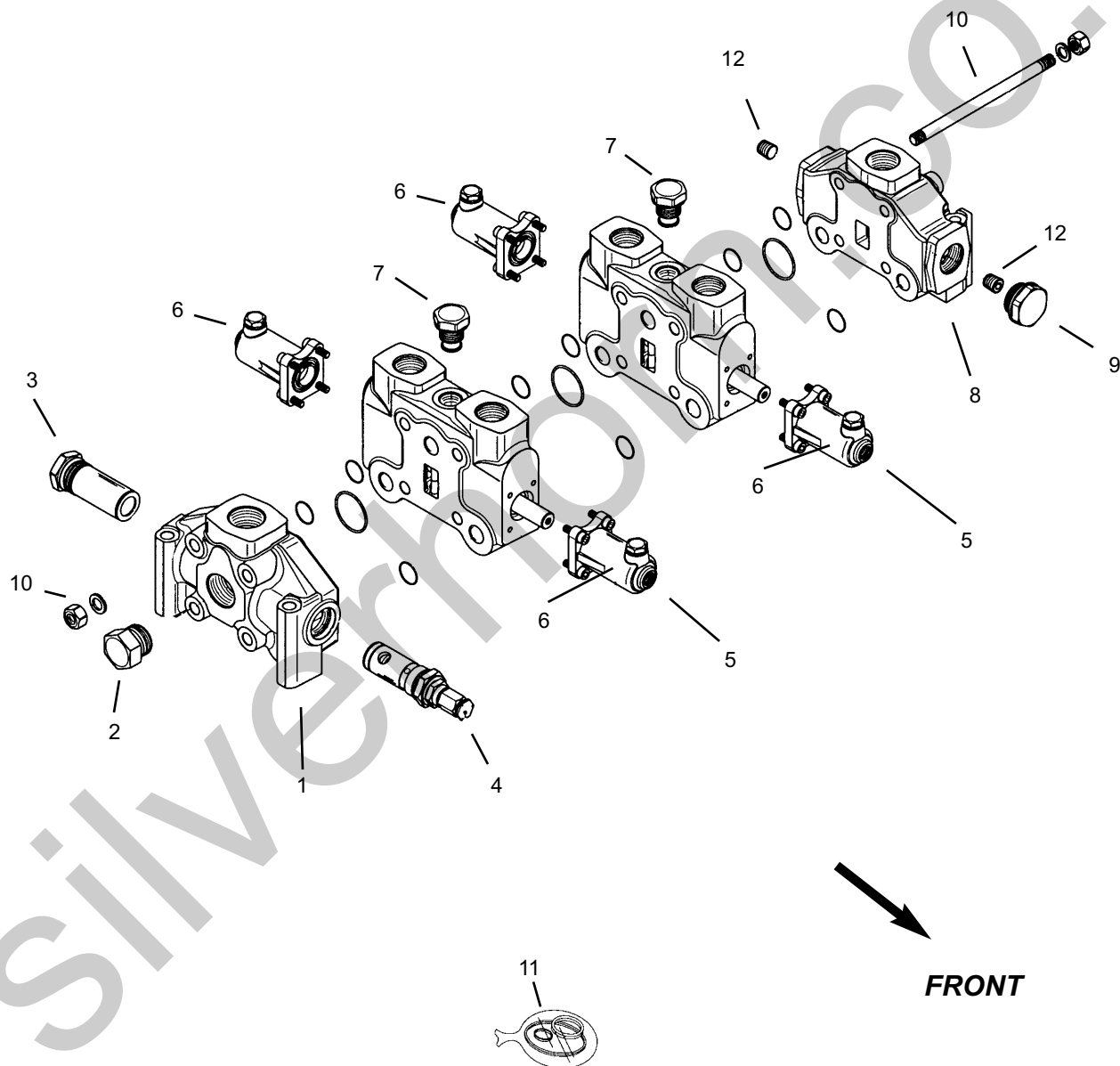
Main Valve - Aux. Hydraulics Work Section - Breakdown



Main Valve - Aux. Hydraulics Work Section - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808134	AUXILIARY HYD WORK SECT. . . . 1 (includes items 1-4)		00	808266	-- ITEMS NOT SHOWN -- KIT, FIVE SECTION TIE BOLT . . . 4 (includes 1 bolt, 2 nuts & 2 washers)	
02 ^a	808361	HYD. CONTROL KIT 1					
03 ^c	808391	ANTISHOCK VALVE 1					
04 ^c	808360	CHECK VALVE 1					
05 ^b	808392	SEAL KIT 1					
				a		Includes outer caps, orings, bolts, plug and internal spool spring for this work section, does not include orings for valves/plugs or the spool.	
				b		Items included with seal kit are not shown in detail.	
				c		Seals/orings for this valve are not sold individually, however they are included with the work section seal kit where this valve is used.	

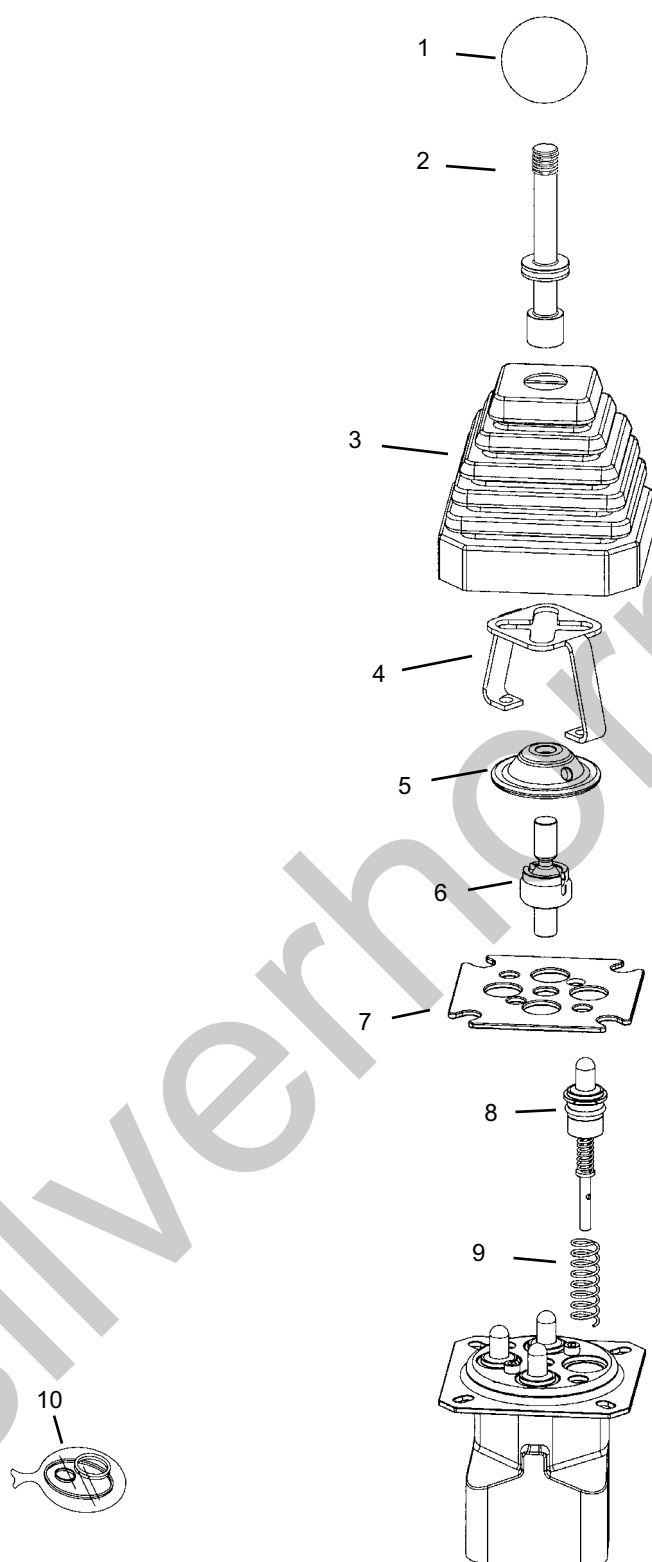
Outrigger Control Valve - Breakdown



Outrigger Control Valve - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
-	808133	COMPLETE ASY.	1	11 ^e	808376	SEAL KIT	1
01 ^a	808377	INLET SECTION (includes items 1-4)	1	12	808383	3/8" CONIC PLUG	2
02 ^{cf}	808368	PLUG KIT 1-1/16" UNF	1	a	Use seal kit #808381 for all related seals		
03 ^{cf}	808358	PLUG KIT	1	b	Use seal kit #808382 for all related seals		
04	808357	PILOT OPERATED RELIEF VLV ...	1	c	Includes orings for valve/plug.		
05 ^b	808378	WORK SECTION (includes items 5-7)	2	d	Includes outer caps, orings, bolts, plug and internal spool spring for this work section, does not include orings for valves/plugs or the spool.		
06 ^d	808361	HYD. CONTROL KIT (per section) .	1	e	Items included with seal kit are not shown in detail.		
07 ^{cf}	808360	CHECK VALVE	1	f	Seals/orings for this valve are not sold individually, however they are included with the work section seal kit where this valve is used.		
08	808379	OUTLET SECTION (includes item 9)	1				
09 ^{cf}	808375	PLUG	AR				
10	808380	TIE ROD KIT (2 section valve)	1				

Controller - Tilt / Frame Level - Breakdown

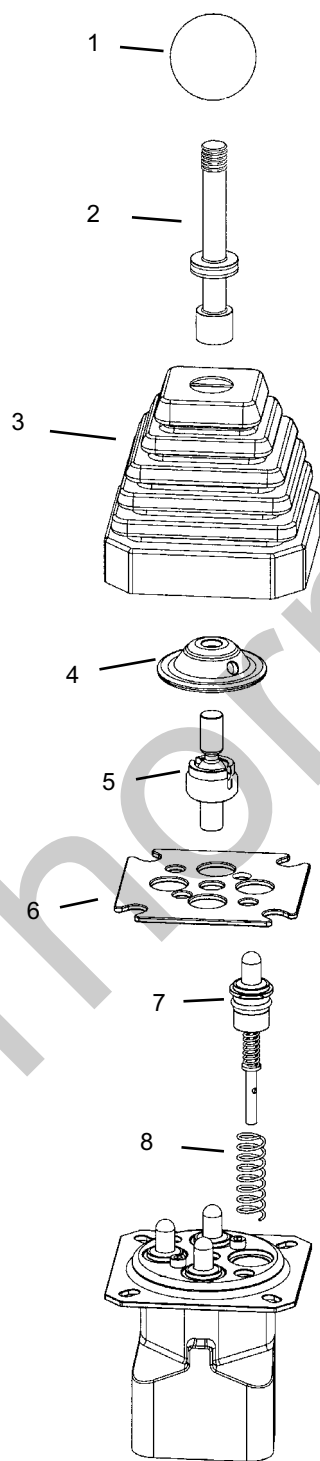


Controller - Tilt / Frame Level - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808263	HYD. CONTROLLER <i>(Complete)</i>	1	08	808386	METERING CURVE <i>(as shown)</i>	4
01	808406	KNOB.....	1	09	808387	RETURN SPRING.....	4
02	808399	LEVER ROD <i>(as shown)</i>	1	10 ^a	808404	SEAL KIT.....	1
03	808400	BOOT.....	1				
04	809274	LOCK GATE	1				
05	808401	SELECTOR DISC	1				
06	808402	PIVOT/ BALL JOINT	1				
07	808403	PLATE / BOOT MOUNT	1				

a Items included in seal kit are not shown.

Controller - Lift / Extend - Breakdown

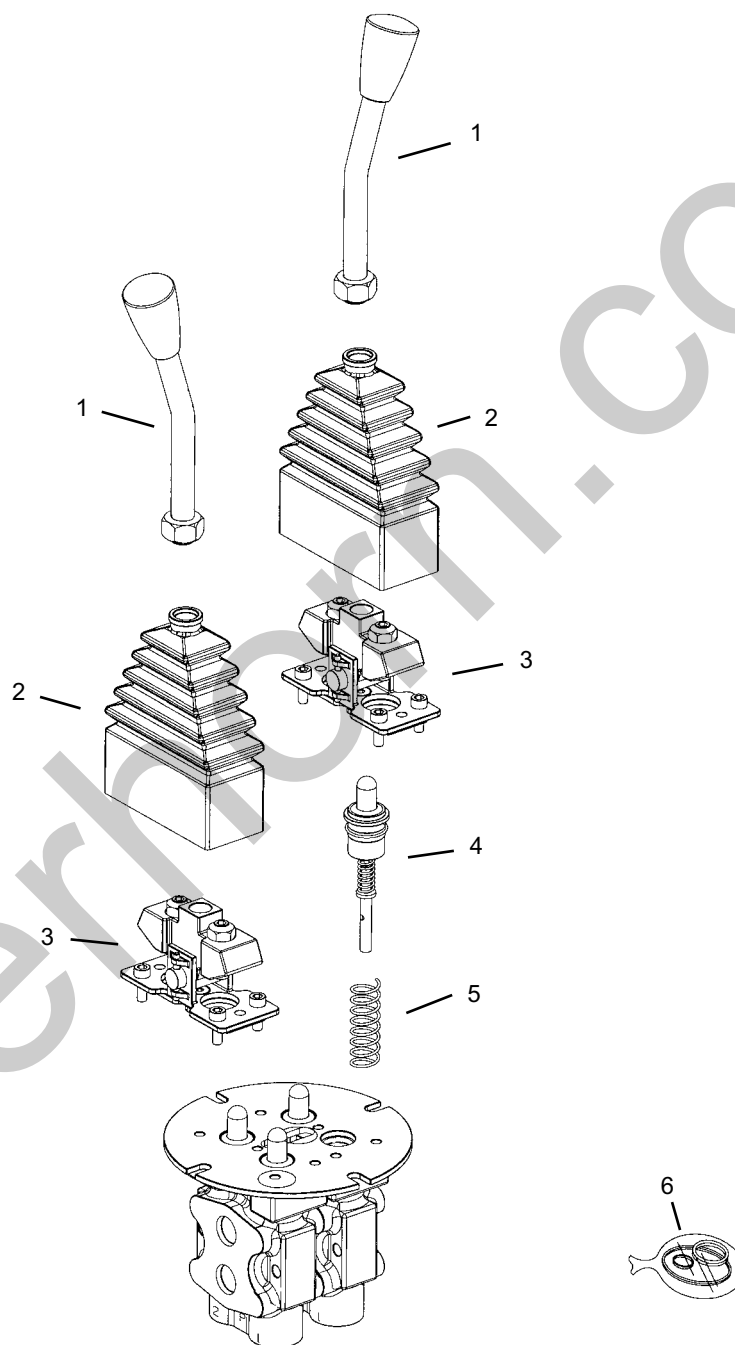


Controller - Lift / Extend - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808138	HYD. CONTROLLER <i>(Complete)</i>	1	07	808386	METERING CURVE <i>(as shown)</i>	4
01	808406	KNOB.....	1	08	808387	RETURN SPRING.....	4
02	808399	LEVER ROD <i>(as shown)</i>	1	09 ^a	808404	SEAL KIT.....	1
03	808400	BOOT.....	1				
04	808401	SELECTOR DISC	1				
05	808402	PIVOT/ BALL JOINT	1				
06	808403	PLATE /BOOT MOUNT.....	1				

a Items included in seal kit are not shown.

Controller - Outrigger (Option) - Breakdown

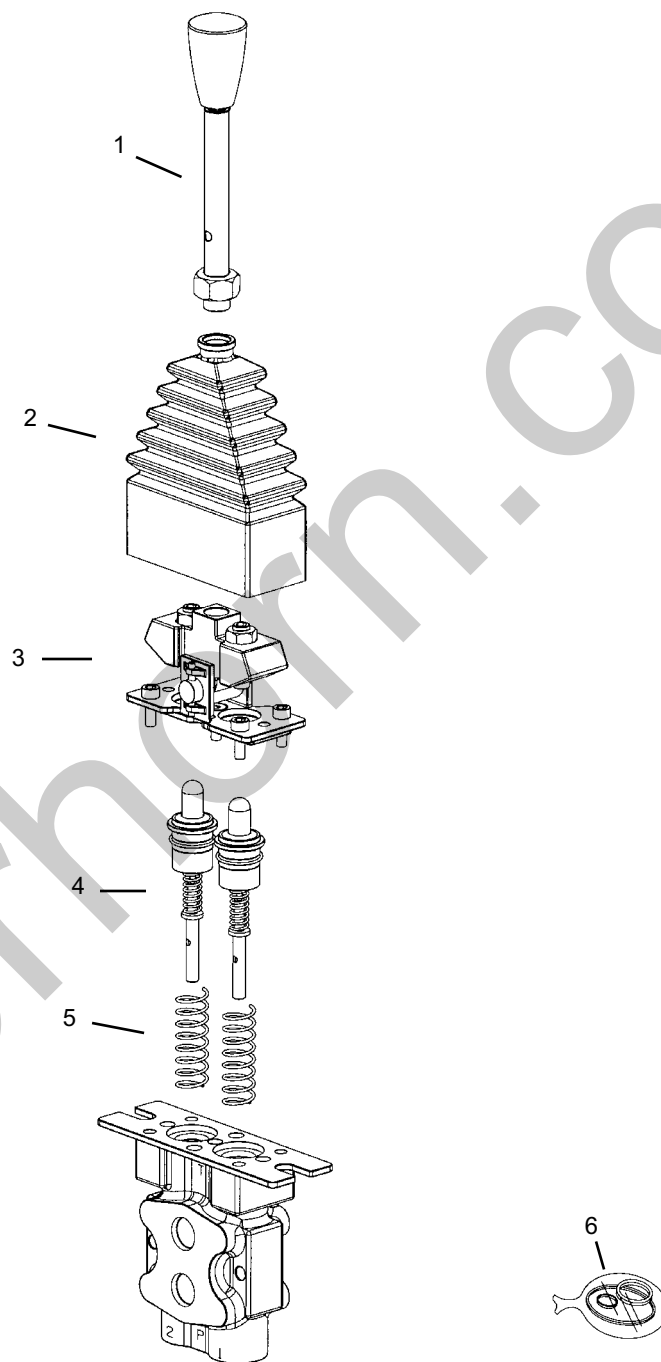


Controller - Outrigger (Option) - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808140	COMPLETE VALVE ASY.	1	04	808386	METERING CURVE (<i>as shown</i>) ...	4
01	808388	LEVER ROD (<i>as shown</i>).....	2	05	808387	RETURN SPRING.....	4
02	809275	BOOT (<i>included with item #3</i>)....	2	06 ^a	808389	SEAL KIT.....	1
03	808385	CONTROL KIT..... (<i>includes item #2 Boot</i>)	2				

a Items included in seal kit are not shown.

Controller - Auxiliary Hydraulics (Option) - Breakdown

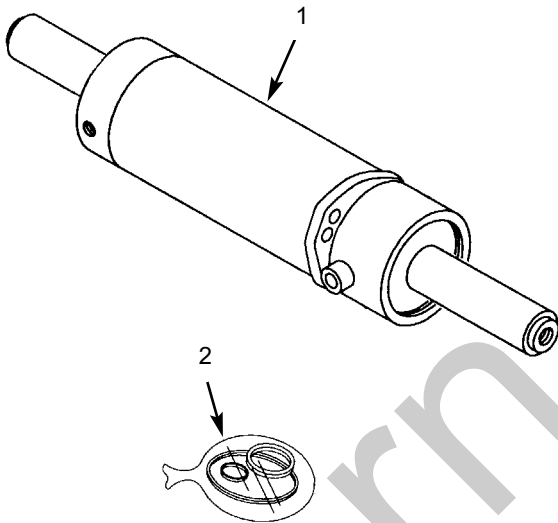


Controller - Auxiliary Hydraulics (Option) - Breakdown

Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808139	COMPLETE VALVE ASY.	1	05	808387	RETURN SPRING.....	2
01	808384	LEVER ROD <i>(as shown)</i>	1	06 ^a	808390	SEAL KIT.....	1
02	809275	BOOT <i>(included with item #3)</i>	1				
03	808385	CONTROL KIT.....	1				
		<i>(includes item #2 Boot)</i>					
04	808386	METERING CURVE <i>(as shown)</i> ...	2				

a Items included in seal kit are not shown.

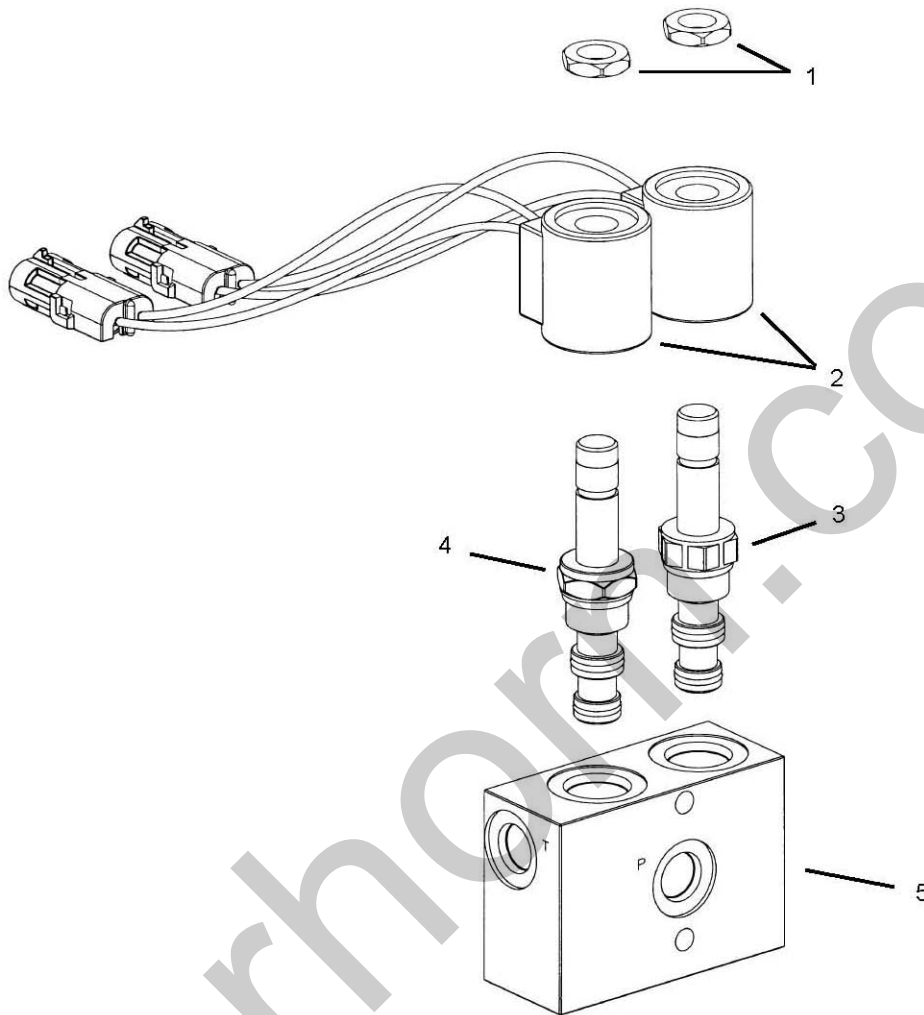
Steer Cylinder - Breakdown



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
01	808171	STEER CYLINDER	1	02	808405	SEAL KIT	1
	808551	STEER CYLINDER BOLT	4			(Items included are not shown)	

NOTE: Quantities are per axle

PWP Manifold - Breakdown



Ref. No.	Part No.	Description	Qty. Req.	Ref. No.	Part No.	Description	Qty. Req.
00	808127	MANIFOLD, PWP JOYSTICK.	1	04	809152	SOLENOID VALVE.	1
		(Complete assembly)			809153	SEAL KIT.	1
01	NSS	NUT, SOLENOID VALVE	2			(Items included are not shown)	
		(included with item 3 and 4)					
02	809151	12 VDC WEATHER PACK COIL. . .	2	05	NSS	MANIFOLD	1
03	809277	SOLENOID VALVE.	1				
	809153	SEAL KIT.	1				
		(Items included are not shown)					

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808036	7,8		808108	89	23	808134	197	1	808169	93	6
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808063	37	0	808113	53	8	808138	155	2	808173	95	3
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808067	57	4	808116	113	10	808138	161	2	808176	97	3
808069	23	15	808117	41	4	808138	163	2	808177	97	50
808070	184	5	808117	171	0	808138	165	2	808178	97	4
808071	183	4	808118	41	18	808138	203	0	808179	97	11
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808073	23	19	808119	105	1	808139	161	16	808181	97	12
808074	23	19	808120	107	1	808139	163	18	808182	97	13
808075	89	4a	808120	111	1	808139	165	15	808183	97	18
808076	91	8	808121	115	1	808139	207	0	808184	97	19
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808242	13	12	808271	129	8	808292	127	9	808326	161	17
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808243	19	7	808271	147	29	808292	147	9	808327	21	20
808244	19	1a	808272	123	7	808292	147	31	808328	67	10
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808246	21	2	808273	143	5	808293	127	11	808330	85	2
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808338	85	12	808386	203	7	808422	15	6	808443	163	3
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808358	199	3cf	808398	189	2	808429	103	7	808453	147	11
808359	195	2h	808399	201	2	808429	113	2	808453	167	23
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808360	199	7cf	808402	201	6	808431	137	2	808455	91	16
808361	195	6g	808402	203	5	808432	27	1	808455	137	21
808361	195	9g	808403	201	7	808433	61	0	808455	145	12
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808603	41	7	808625	29	5	808656	31	5	808670	47	24
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808695	135	12	808722	33	22a	808761	113	16	808803	39	6
808696	101	17	808723	13	26c	808761	117	5	808803	135	6
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808853	159	7	808882	159	11	808924	23	9	808969	69	9
808853	159	9	808882	161	10	808925	23	12	808970	69	13
808853	165	7	808882	163	10	808925	53	0	808971	69	7
808853	165	9	808882	165	8	808926	23	7	808972	69	16
808854	141	1	808882	165	10	808927	23	8	808973	69	3
808855	39	11	808883	167	7	808928	23	5	808974	69	15
808855	41	14	808883	167	8	808929	103	11	808975	69	12
808856	39	13	808884	91	4	808930	113	20	808976	69	6
808856	41	15	808884	91	7	808931	113	3	808977	69	4
808857	179	9	808884	91	13	808932	113	7	808978	69	5
808858	37	4	808885	91	14	808933	139	19a	808979	69	1
808858	41	17	808885	91	15	808935	51	1	808980	69	2
808858	171	1	808885	145	16	808936	45	10	808981	69	14
808858	181	7	808885	145	17	808937	137	26	808982	72	5
808859	123	19	808888	103	8	808938	23	10	808983	72	7
808859	179	0	808888	121	9	808938	51	0	808984	73	10
808860	125	1	808889	45	1	808939	51	3	808985	73	8
808860	177	0	808890	101	13	808940	50	3	808986	73	9
808861	53	5	808891	21	21	808941	50	2	808987	67	15
808862	13	23	808892	23	21	808942	50	0	808988	67	14
808863	123	28	808892	23	22	808943	50	5	808989	73	12
808864	123	27	808893	123	26	808944	50	4	808990	73	1
808865	111	6	808896	47	26	808945	51	4a	808991	73	6
808866	111	6	808897	45	6	808945	51	5a	808992	67	13
808867	115	6	808898	29	7a	808947	61	10	808993	75	2
808868	115	6	808899	29	6	808948	61	8	808994	75	1
808869	111	3	808900	47	7	808949	105	2	808995	75	4
808870	115	3	808901	45	0	808949	115	9	808996	75	3

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808998	75	8	809021	83	4	809067	177	4	809113	49	25a
808999	77	17	809022	81	18	809068	169	6	809114	67	5
808999	81	16	809023	81	1	809069	55	3	809115	65	7
809000	77	16	809024	81	2	809070	55	4	809115	67	25
809000	81	15	809025	71	11	809071	67	27	809116	77	5
809001	77	9	809025	81	26	809072	67	28	809117	79	8
809001	79	14	809026	71	13	809073	33	24	809118	65	3
809001	81	9	809026	81	27	809074	67	7	809118	65	6
809002	77	8	809027	83	9	809075	67	6	809118	67	18
809002	79	13	809028	83	8	809076	67	12	809119	65	8
809002	81	8	809029	83	3	809077	67	11	809119	67	32
809003	77	15	809030	83	2	809078	65	14	809120	65	1
809003	79	12	809031	71	14	809079	72	6	809121	67	29
809003	81	21	809032	87	1	809080	72	4	809122	67	31
809003	81	23	809033	87	2	809081	72	3	809123	67	33
809004	77	14	809034	87	8	809082	72	1	809124	67	34
809004	79	11	809035	87	3	809083	72	2	809125	67	30
809004	81	20	809036	87	4	809084	73	11	809126	69	8
809004	81	22	809037	87	6	809085	73	7	809127	173	11a
809005	77	13	809038	87	11	809086	73	4	809128	169	7
809005	79	18	809039	87	13	809087	73	5	809130	27	6
809005	81	14	809040	87	12	809088	73	3	809131	59	2
809006	77	12	809041	87	9	809089	87	14	809132	79	21
809006	79	17	809042	87	5	809090	87	15	809133	86	4
809006	81	13	809043	87	7	809091	87	10	809134	179	6
809007	77	10	809044	86	3	809092	77	11	809135	179	3
809007	79	15	809045	86	6	809092	79	16	809136	169	4
809007	81	10	809046	89	18	809092	81	11	809136	177	6
809008	77	6	809046	93	15	809093	81	12	809137	177	7
809008	79	9	809046	97	17	809094	71	9	809138	177	2
809008	81	6	809047	98	8	809094	81	25	809139	177	5
809009	77	7	809047	99	17	809095	67	4	809140	177	11a
809009	79	10	809048	97	8	809096	65	11	809141	175	12c
809009	81	7	809049	97	9	809096	65	13	809142	175	10
809010	77	1	809050	93	8	809096	67	21	809143	175	9
809011	77	18	809050	97	42	809096	73	17	809144	175	6
809012	77	4	809051	95	4	809097	86	5	809144	179	4
809012	79	7	809052	95	21	809098	81	5	809145	175	4
809012	81	4	809053	95	20	809099	67	20	809146	179	13a
809013	77	2	809054	95	19	809100	175	7	809147	179	7
809014	71	2	809055	95	17	809101	184	3	809148	179	2
809014	71	5	809056	95	17	809102	173	5	809149	179	5
809014	71	10	809057	93	1	809103	173	10	809150	119	14
809014	71	12	809057	97	44	809104	173	7	809150	179	1
809014	77	19	809058	98	22	809104	179	8	809151	191	5
809014	81	24	809058	99	4	809105	173	4	809151	209	2
809015	71	3	809059	169	1	809106	47	7	809152	191	6
809015	71	6	809060	169	12	809107	63	10	809152	209	4
809015	77	20	809061	169	5	809108	47	8	809153	191	6
809016	79	6	809062	169	10	809109	47	33	809153	209	
809016	81	19	809063	187	1	809109	53	0	809153	209	4
809017	79	5	809064	187	1	809110	49	2	809154	193	
809018	81	17	809065	187	5	809110	61	28	809155	179	12
809019	83	6	809066	187	7a	809111	49	3	809155	181	8

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809156	191	3	809205	55	2	809256	135	5			
809157	191	3	809206	55	2	809257	135	10			
809158	171	7	809207	55	14	809258	137	5			
809159	171	3	809208	59	9	809259	137	27			
809160	171	4	809209	61	15	809260	137	35			
809161	171	8	809210	61	17	809261	139	1			
809162	175	3	809211	61	21	809262	139	1			
809163	185	7a	809212	63	18	809263	139	1			
809164	89	3a	809213	65	4	809264	141	1			
809165	25	5	809213	67	16	809265	143	2			
809166	181	9	809213	67	24	809266	145	2			
809167	181	11a	809214	65	9	809267	169	11			
809168	181	1	809214	65	12	809267	193	2			
809169	181	4	809215	65	10	809268	181	5			
809170	49	7	809216	65	15	809269	185	1			
809171	123	9	809217	67	3	809270	185	3			
809171	129	9	809218	67	19	809271	185	4			
809171	147	14	809219	67	23	809272	189	0			
809172	123	24	809220	67	26	809273	191	8			
809173	91	3	809221	67	35	809274	201	4			
809174	191	7	809222	71	15	809275	205	2			
809175	49	29	809223	73	13	809275	207	2			
809176	13	1	809224	73	14	809277	209	3			
809177	13	22	809225	73	15	809278	57	0			
809178	13	28	809226	73	16	809279	57	2			
809179	13	29	809227	75	6	809280	57	9			
809180	15	0	809228	75	7	809281	57	11			
809181	15	0	809229	77	3	809282	57	6			
809182	17	0	809230	77	21	809283	57	12			
809183	17	0	809231	77	22	809284	57	16			
809184	21	10	809232	79	4	809285	57	18			
809185	21	21	809233	89	1	809286	1				
809186	21	21	809234	89	22	809287	1				
809187	21	22	809235	93	3	809288	1				
809188	21	22	809236	95	16	809289	1				
809189	21	22	809237	99	1	809290	5				
809190	23	24	809238	99	7	809291	5				
809190	23	25	809239	99	9	809292	5				
809190	23	26	809240	99	18	809293	5				
809192	25	2	809241	111	3						
809193	25	0	809242	115	3						
809194	29	1	809243	123	10						
809195	29	10a	809243	125	9						
809196	35	1	809244	125	17						
809197	35	2	809245	125	23						
809198	35	4	809246	127	4						
809199	39	15	809247	127	6						
809199	41	19	809248	131	1						
809199	89	14	809249	131	1						
809200	41	2	809250	133	1						
809200	147	5	809251	133	10						
809201	41	24	809252	133	15						
809202	49	0	809253	133	17						
809203	53	3	809254	133	19						

Torque Specifications

Use these torque values when tightening hardware (excluding: locknuts and self-tapping, thread-forming and 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	50	35	70	55
7/16-20	36	27	55	40	80	60
1/2-13	35	35	75	55	110	80
1/2-20	40	40	90	65	120	90
9/16-12	55	55	110	80	150	110
9/16-18	60	60	120	90	170	130
5/8-11	75	75	150	110	220	170
5/8-18	85	85	180	130	240	180
3/4-10	130	130	260	200	380	280
3/4-16	150	150	300	220	420	320
7/8-9	125	125	430	320	600	460
7/8-14	140	140	470	360	660	500
1-8	190	190	640	480	900	680
1-14	210	210	710	530	1000	740

Metric Course Thread	Grade 8.8 		Grade 10.9 		Grade 12.9 	
	Dry	Lubed	Dry	Lubed	Dry	Lubed
M6-1	8	6	11	7	13.5	10*
24M8-1.25	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 lb-ft except those marked with an * which are in lb-in.
For metric torque value (Nm) multiply lb-ft x 1.355 or lb-in value x 0.113.

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