

GEHL

Form No.

913363

Revision F
APRIL
2014

RT210

Compact Track Loader

*Serial Number 20601 through 921000
(Equipped with a TIER III or Interim TIER IV engine)*



Parts Manual

INTRODUCTION

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

“Right” and “Left” are determined from a position sitting on the seat inside the cab and facing forward.

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

NOTE: *This parts manual identifies both standard and optional features for this model—including EU (European Union) standards. Depending on the features of your machine, some of the items identified in the parts lists may, or may not, be included with your machine.*

SERIAL NUMBER



Serial number breaks are indicated as follows:

- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers from 1000 to 2000.
- (SN 999 and up) - indicates serial numbers including 999 and after.

NOTE: *When ordering parts, be sure to identify the last five digits of the machine's serial number.*

HYDRAULIC AND ELECTRICAL SCHEMATICS

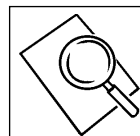
Hydraulic and electrical schematics can be found in the Operator's and Service Manuals for this machine; please refer to the information at the right for the correct manual.

The following icons shown on various pages provide important information or identify where additional information can be found.



Tilt
Cylinder
parts are
on page 247.

Identifies where additional pages for component parts, seals, and kits can be found.



Interior Cab
Options are
on page 18.

Identifies where additional information can be found.



Refer to page
126 for the
warning
decal.

Alerts and directs user to investigate more information.



NOTE:
Hydraulic
bulkhead
fitting.

Identifies missing, hidden parts, or adds informational comments.



Warning or
Important
Information



Important
information to
follow



Seal Kit



Repair Kit



Represents a port designation on hydraulic components (e.g., valves, cylinders, etc.)

SOME ABBREVIATIONS LISTED IN THIS MANUAL

ASSY	Assembly
AR	As Required
CFPD	Contact Factory Parts Department
EU	European Union (standards)
HYD	Hydraulic
IN	Inch(es)
INC/INCL	Included or includes
LN	Lock Nut
MM/mm	Millimeter
NA	Not Applicable or Not Available
NPT	National Pipe Thread
NSS	Not Sold Separately
ORB	O-Ring Boss
REF	Reference
SN	Serial Number
W/	With
W/O	Without

RELATED MANUALS

Engine Parts Manual: P/N **917304**

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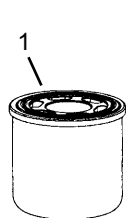
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RT210 - MAINTENANCE

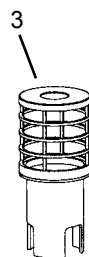
FILTERS / BELTS / ANALYSIS KITS



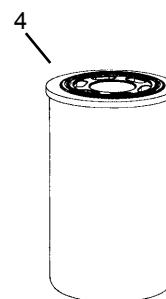
Engine Oil



Hydraulic



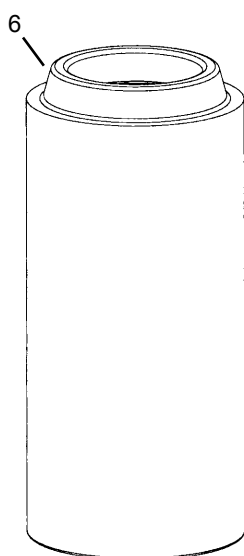
Fuel Separator Strainer



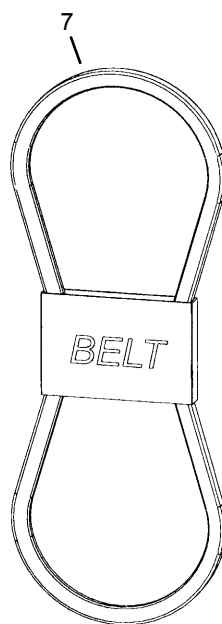
Fuel



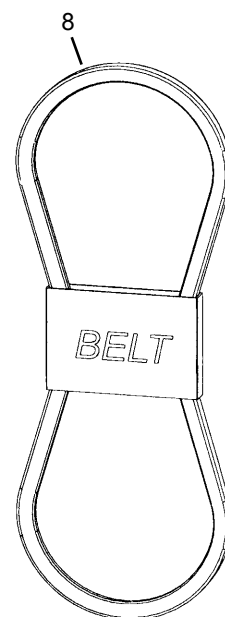
*Engine Air
(Secondary)*



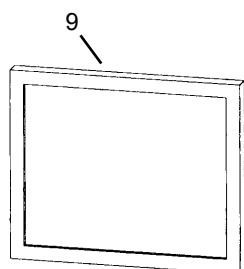
*Engine Air
(Primary)*



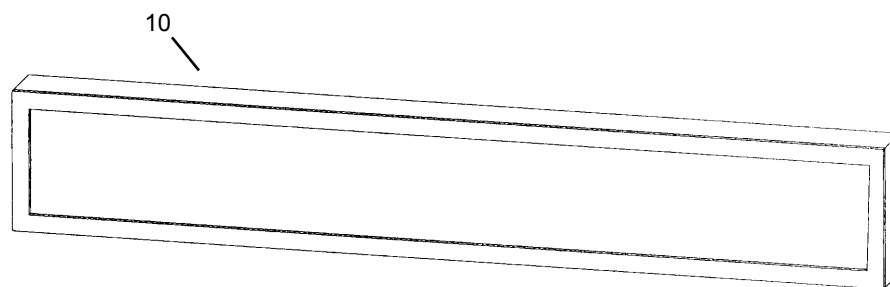
Fan Belt



*A/C Compressor
Belt*



Cab Air



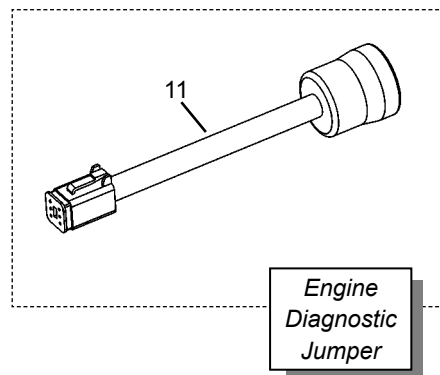
Fresh Air

RT210 - MAINTENANCE FILTERS / BELTS / ANALYSIS KITS

Item No.	Part No.	Description	Qty.
01	195568	FILTER, ENGINE OIL	1
02	074830	FILTER, HYDRAULIC	1
03	203822	STRAINER/ELEMENT <i>(used in fuel separator assembly)</i>	1
04	193024	FILTER, FUEL	1
05	184195	FILTER, ENGINE AIR <i>(secondary)</i>	1
06	184146	FILTER, ENGINE AIR <i>(primary)</i>	1
07	241477	FAN BELT	1

Item No.	Part No.	Description	Qty.
08	271491	A/C COMPRESSOR BELT *	1
09	242832	FILTER, RECIRCULATION AIR *	2
10	195660	FILTER, FRESH AIR *	1
11	50300431	CABLE, J1939 JUMPER <i>(included with Kit 241766)</i>	1

* Used when equipped with air conditioning or heater.

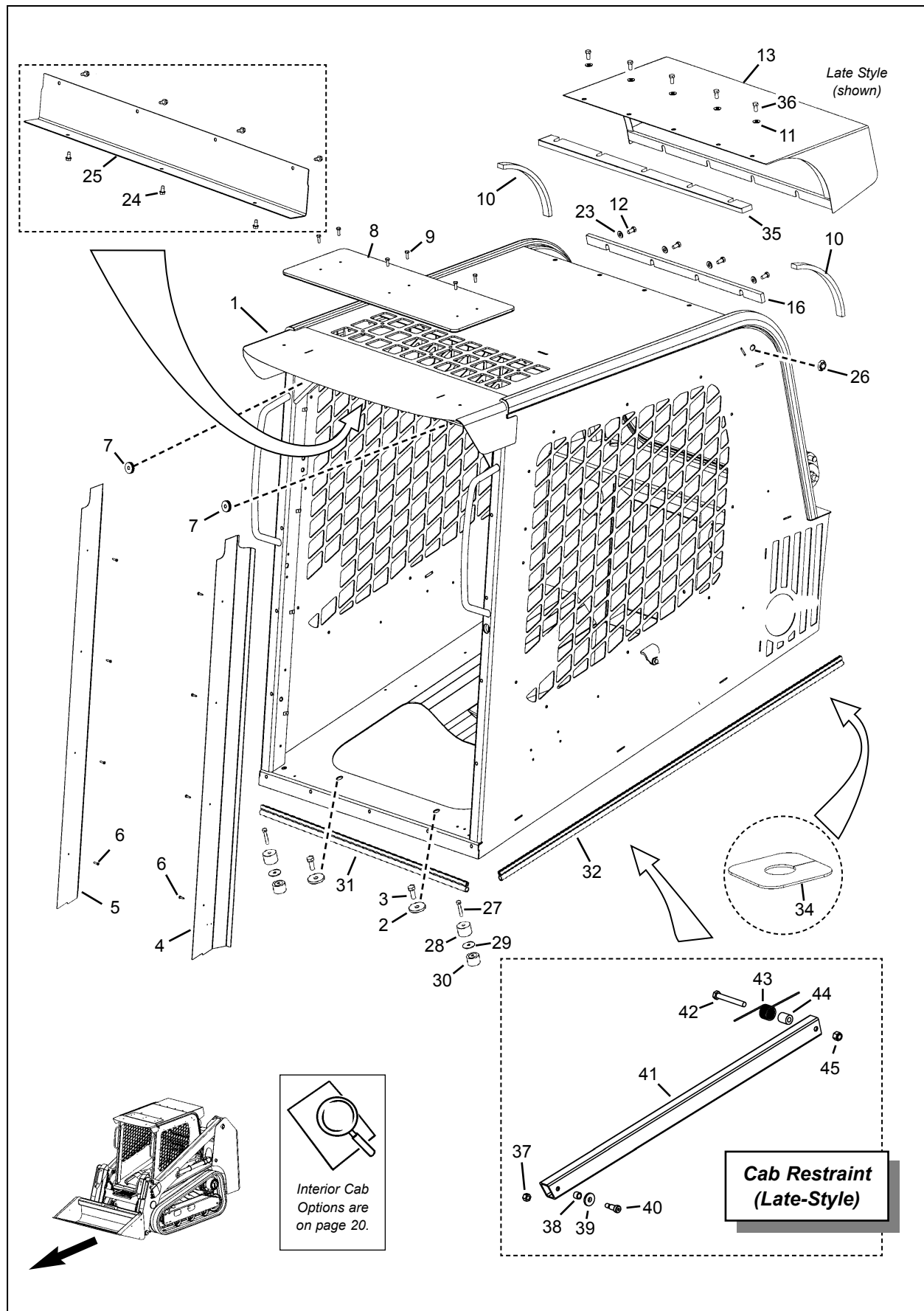


Analysis Kits*

	Qty.
272806.	HYDRAULIC OIL ANALYSIS KITS (10)
272809	ENGINE OIL ANALYSIS KITS (10)
272811	BASIC FUEL ANALYSIS KIT (1)
272812.	COOLANT ANALYSIS KITS (10)
272813.	FIELD TEST COOLANT STRIP KIT (1)
272814	OIL VACUUM PUMP (1)
272815	COOLANT VACUUM PUMP (1)
272816.	1/4" PLASTIC TUBING (100-FOOT ROLL)

* For the analysis of fluids and lubricants used in this machine. Contact your dealer for more information.

RT210 - CAB STANDARD CAB



RT210 - CAB STANDARD CAB

Item No.	Part No.	Description	Qty.
01	50302312	ROPS WELDMENT	1
02	057557	FW 17/32 ZY	2
03	650495	CS 1/2" x 1-1/4" C5ZY	2
04		COVER, POST (Left) (see below)	1
	50300218	(Standard - no door)	
	50300210	(Swing-Out Door - w/ heater)-(Option)*	
	50300215	(Swing-Out Door - no heater)-(Option) *	
05		COVER, POST (Right) (see below)	1
	50300219	(Standard - no door)	
	50300212	(Swing-Out Door - w/ heater)-(Option)*	
	50303419	(Swing-Out Door - no heater)-(Option)*	
		(Series II latch - see next page)	
	50300216	(Swing-Out Door - no heater)-(Option)*	
		(Series I latch - see next page)	
06	651783	SCREW, TPH TF CR #8-32x3/4 CZY	8
07	242633	GROMMET, 0.375"x0.188GW 1.0	2
08	270848	WINDOW, TOP	1
09	650835	CS 1/4" x 1" C5ZY	6
	137462	WASHER, 1/4" SEALING	6
10	271627	SEAL, FOAM SIDE	2
11	135270	WASHER, SEALING 3/8"	
		Note a	5
		Note b	4
12	650488	CS 3/8" x 3/4" C5ZY	4
13		WELDMENT, REAR BILL **	1
	50301826	Note a	
	274784	Note b	
14	654004	FW 5/16" AWZY	2
15	650484	CS 5/16" x 1/2" C5ZY	2
16	274788	SEAL, FOAM	1
17		WELDMENT, REAR BILL ***	1
	50301820	Note a	
	274807	Note b	
18	195660	FILTER, FRESH AIR ***	1
19	275598	COVER, FRESH AIR FILTER ***	1

Item No.	Part No.	Description	Qty.
20	275599	PAD, HOUSING LH	1
21	275601	PAD, HOUSING TOP	1
22	275600	PAD, HOUSING RH	1
23	654049	FW 3/8 ANZY	4
24	651783	SCREW/TPHTF CR *8-32x3/4	7
	650606	FW #8 AZ (not shown)	7
25	50300057	COVER, DOOR HEADER	1
26	192182	PLUG, RUBBER	2
27	650568	CS 5/16" x 2" C5ZY	2
28	50301141	SPACER	2
29	50301434	SPACER	2
30	275016	ISOLATOR, 1" x 1-1/2" RUBBER	2
31	50301581	SEAL, BULB 0.63" x 37.5"	1
32	50301580	SEAL, BULB 0.63" x 56.25"	2
33	50300901	GASKET, RUBBER (A/C-Heater)	1
34	50301118	GROMMET, CAB ELECTRICAL	1
35		SEAL, FOAM	1
	50301824	Note a	
	274788	Note b	
36		BOLT	
	650490	Note a — CS 3/8" x 1" C5ZY	5
	650488	Note b — CS 3/8" x 3/4" C5ZY	4

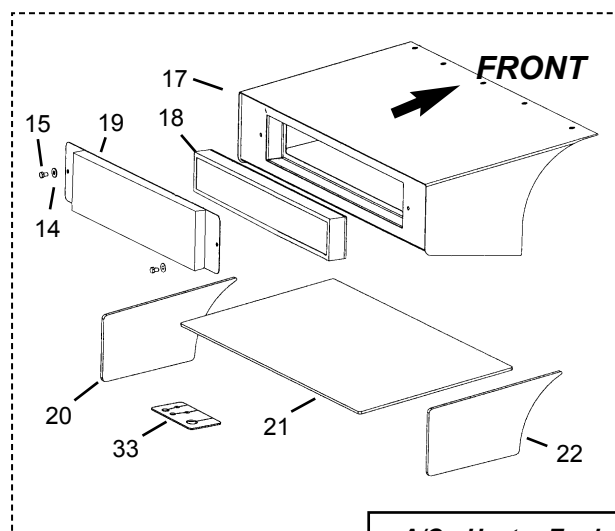
CAB RESTRAINT (Series II)

37 ^c	210-31017	LN FL CTR 5/16 CFZY	1
38 ^c	50302309	BUSHING, BRONZE	1
39 ^c	50302473	WASHER, BEVELED	1
40 ^c	030-31941	SCREW, SHOULDERED 3/8 "x5/8"	1
41 ^c	50302182	CAB RESTRAINT, WELDMENT	1
42 ^c	650818	CS 3/8" x 3" C5ZY	1
43 ^c	50301852	SPRING, TORSION	1
44 ^c	50302181	SPACER	1
45 ^c	067847	HLN INST 3/8" CZY	1

* When machine is equipped with optional swing-out door.

** Machines not equipped with optional heater or A/C.

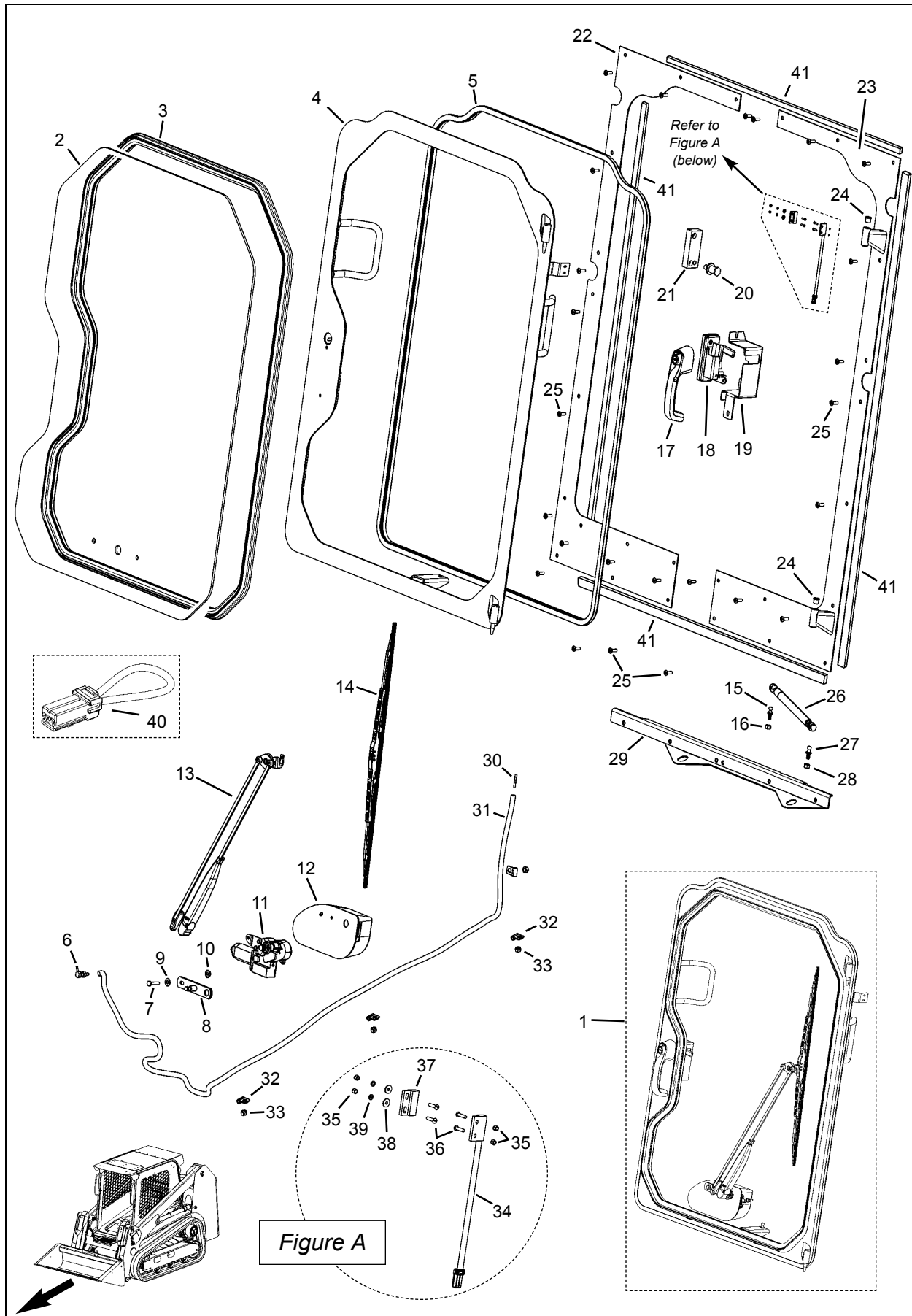
*** Machines equipped with optional heater or A/C.



**A/C - Heater Equipped
(Option) — (Rear of Cab)**

- a SN 20735 - 921000; the top of the rear bill weldment—item 13—uses five bolts to secure the weldment to the cab.
- b SN 20734 and before; the top of the rear bill weldment—item 13—uses four bolts to secure the weldment to the cab.
- c Used with late-style ROPS—SN 21041 - 921000; Early-style ROPS—SN 21040 and before—uses a pin at the rear of the cab to restrain the cab for servicing components under the cab. The pin is shown as item 4 on page 16.

RT210 - CAB
CAB DOOR - SWING-OUT - (OPTION)
(Series III) *



RT210 - CAB
CAB DOOR - SWING-OUT - (OPTION)
(Series III) *

Item No.	Part No.	Description	Qty.
01		SWING-OUT DOOR ASSEMBLY *	1
	50303856	(Standard) (shown)	
	50303894	(High-impact/Option) (not shown) **	
		(Includes items 2, 4 - 21)	
02		GLASS, DOOR * (see Figure B)	1
	50303858	Standard (shown)	
	50303895	Polycarbonate - High Impact (option) **	
03	50303859	SEAL, GLASS WINDOW ***	1
04		DOOR FRAME WELDMENT *	1
	50303860	(Standard) (shown)	
	50303896	(High-impact/Option) **	
05	50303857	SEAL, DOOR (0.48 x 149.5 IN.)	1
06	L500099	BULKHEAD, WASHER HOSE	1
07	650426	CS 1/4x1-1/4 C5ZY	1
08	50300014	MOUNT, WIPER ARM	1
09	654002	FW 1/4 AWZY	1
10	070634	LN LG FL SERR 1/4 CZ	1
11	273406	WIPER MOTOR, 65°	1
12	273408	COVER, WIPER MOTOR	1
13	273407	WIPER ARM, 22" PANTOGRAPH	1
14	274424	WIPER BLADE, 26"	1
15	L69488	BALL STUD	1
16	071701	LN 5/16 CBZY	1
17	273340	HANDLE, PUSH BUTTON ****	1
	50280186	KEY, 8001 (14603) (not shown)	1
18	50303453	LATCH ****	1
19	50303454	COVER ****	1
20	420-36187	STRIKER ****	1
21	50303416	STRIKER MOUNT ****	1
22	50303855	PLATE, DOOR FRAME *	1
23	50303854	PLATE, DOOR FRAME (weldment) *	1

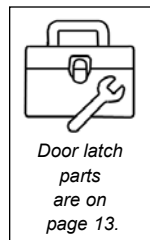
Item No.	Part No.	Description	Qty.
24	50303906	BEARING, BRONZE FLANGED *	2
25	651308	PHMS SLT 1/4X3/4 IN ZB	AR
26	50303201	GAS CYLINDER, DOOR	1
27	L69488	BALL STUD	1
28	071701	LN 5/16 CBZY	1
29	50303869	DOOR FRAME BRACE	1
30	104121	TUBING CONNECTOR 5/32"	1
31	275640	HOSE, FRONT WIPER .156X108"	1
32	068256	CLAMP, HOSE 0.25 x 0.42 IN.	4
33	071701	LN 5/16 CBZY	4
34	276026	SWITCH, PROXIMITY	1
35	651328	HLN INST #5-40 CZY	4
36	651212	PHMS CR #540x1/2"	4
37	193157	MAGNET, SWITCH ACTUATOR	1
38	651529	FW #4 BRZY	2
39	651214	LW #5 RZY	2
40	50301002	HARNESS, DOOR SWITCH JUMP	1
		(Used when door is removed-option)	
41	50300248	SEAL, FOAM TAPE 0.375" x 195.0"	1
		(Used to seal the door frame—items #22 and 23—to the cab.)	

* Before ordering, refer to the "IMPORTANT" message below.

** The optional high-impact window and frame does not use item #3; the polycarbonate window fastens to the door frame with (14) 650426 1/4"x1-1/4" bolts, (14) 654002 1/4" flat washers, and (14) 070634 1/4" flange lock nuts (fastening hardware not shown).

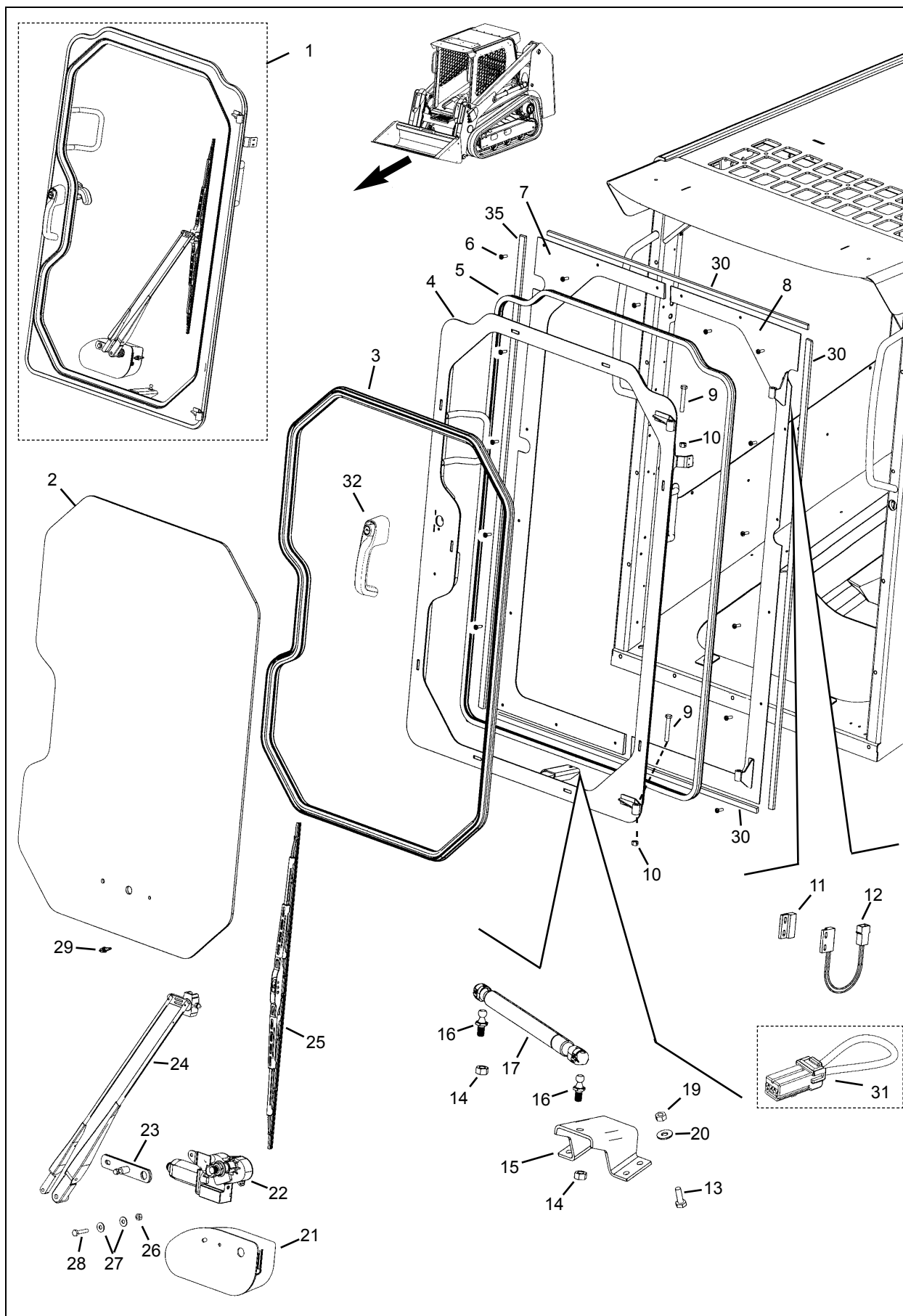
*** Used only with standard glass; not used with high-impact window option.

**** Fastening hardware and additional components are shown on page 13.



IMPORTANT: Before ordering the complete swing-out door assembly (item #1), the window (item #2), the door frame (item #4) or other parts marked with a single asterisks (*) be sure to refer to the illustrations on page 12 to verify which Series and type of door is installed on the machine.

RT210 - CAB
CAB DOOR - SWING-OUT - (OPTION)
 (Series I and II) *



RT210 - CAB
CAB DOOR - SWING-OUT - (OPTION)
(Series I and II) *

Item No.	Part No.	Description	Qty.
01		SWING-OUT DOOR ASSEMBLY * (includes door handle/latch, window, and wiper)	1
	50303412	(Series II) - (Standard) (shown)	
	50303495	(Series II) - High-impact/Option)	
	50302053	(Series I) - (Standard)	
	50301965	(Series I) - High-impact/Option)	
02		WINDOW, DOOR *	1
	50300224	Standard Glass (shown)	
	274576	Polycarbonate (option - not shown) **	
03	273332	SEAL, WINDOW ***	1
04		DOOR FRAME, SWING-OUT *	1
	50303413	(Series II) - (Standard) (shown)	
	50303496	(Series II) - High-impact/Option) **	
	50300073	(Series I) - (Standard)	
	274577	(Series I) - High-impact/Option) **	
05	50300242	SEAL, DOORWAY	1
06	651308	PHMS SLT 1/4" x 3/4" ZB	20
07	50300255	DOOR FRAME WELDMENT *	1
08	50300257	PLATE, DOOR (door frame) *	1
09	650492	CS 3/8" x 2-1/2" C5ZY (Series I) *	2
	656188	CS M10-1.5x70 C8.8 ZY (Series II) *	2
10	071703	LN 3/8" CBZY (Series I) *	2
	651448	LN INS M10-1.5 C8 ZY (Series II) *	2
11	193157	MAGNET, SWITCH ACTUATOR	1
	651212	PHMS CR #540x1/2" (not shown)	2
	651328	HLN INST #5-40 CZY (not shown)	2
12	276026	SWITCH, PROXIMITY	1
	651212	PHMS CR #540x1/2" (not shown)	2
	651328	HLN INST #5-40 CZY (not shown)	2

Item No.	Part No.	Description	Qty.
13	650448	CS 1/4" x 3/4" C5ZY	4
14	071701	LN 5/16" CBZY	AR
15	274369	BRACKET, BALL STUD	1
16	L69488	STUD, BALL	AR
17	50303201	GAS CYLINDER	1
18	274424	WIPER BLADE, 26"	1
19	070634	LN LG FL SERR 1/4" CZ	AR
20	654002	FW 1/4" AWZY	AR
21	273408	COVER, WIPER MOTOR	1
22	273406	WIPER MOTOR, 65°	1
23	50300014	MOUNT, WIPER ARM	1
24	273407	WIPER ARM, 22" PANTOGRAPH	1
25	274424	WIPER BLADE 26"	1
26	070634	LN LG FL SERR 1/4" CZ	1
27	654002	FW 1/4" AWZY	2
28	650426	CS 1/4 x 1-1/4" C5ZY	1
29	L500099	BULKHEAD, WASHER HOSE	1
30	50300248	SEAL, FOAM TAPE 0.375" x 195.0" (Used to seal the door frame—items #7 and 8—to the cab.)	1
31	50301002	HARNESS, DOOR SWITCH JUMP (Used when door is removed.)	1
32	273340	HANDLE, PUSH BUTTON ****	1
	50280186	KEY, 8001 (14603) (not shown)	1

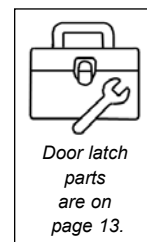
*

Before ordering, refer to the "IMPORTANT" message below.

** The optional high-impact window (item #2) fastens to the door frame (item #4) with (14) 650426 1/4"x1-1/4" bolts, (14) 654002 1/4" flat washers, and (14) 070634 1/4" flange lock nuts—not shown.

*** Used only with standard glass; not used with high-impact window option.

**** Inside latch and related components are shown on page 13.



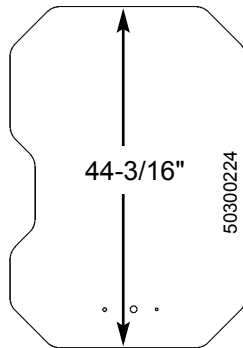
IMPORTANT: Before ordering the complete swing-out door assembly (item #1), the window (item #2), the door frame (item #13), or other items that reference Series I and Series II be sure to refer to the illustrations on page 12 to verify which Series and type of door is installed on the machine.

RT210 - CAB
SWING-OUT DOOR REFERENCE
(Series I, II, and III)

REFERENCE

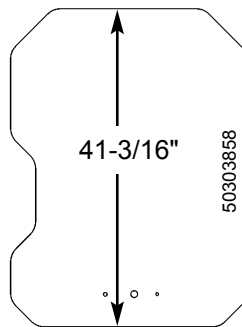


IMPORTANT: When ordering a replacement window (glass) refer to the measurements below to determine which Series and type (standard or high-impact) door is currently installed on the machine.

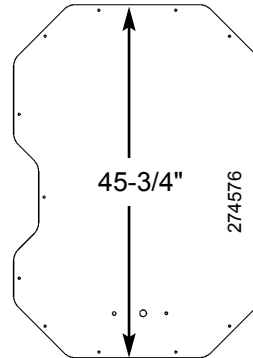


Series I and II

Standard Swing-Out Door Window

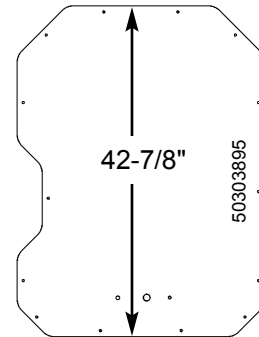


Series III



Series I and II

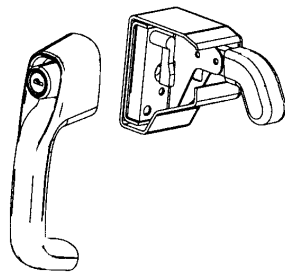
High-Impact Swing-Out Door Window



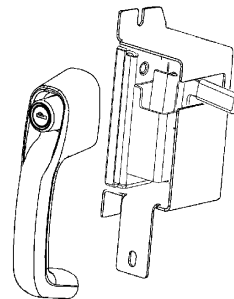
Series III



IMPORTANT: When ordering the complete swing-out door assembly, the door frame, or other components related to the door and window be sure to refer to the latch illustrations below to determine which Series door is currently installed on the machine.



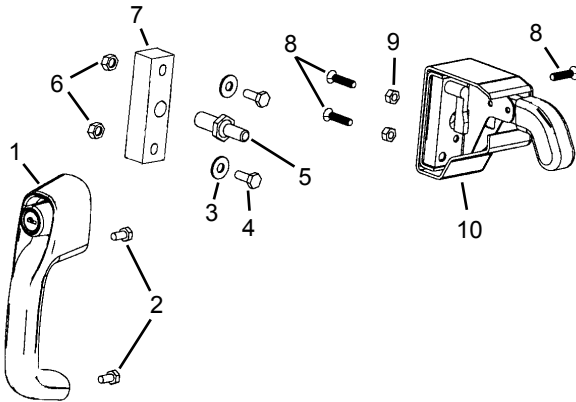
*Used on
Series I
Door*



*Used on
Series II and III
Door*

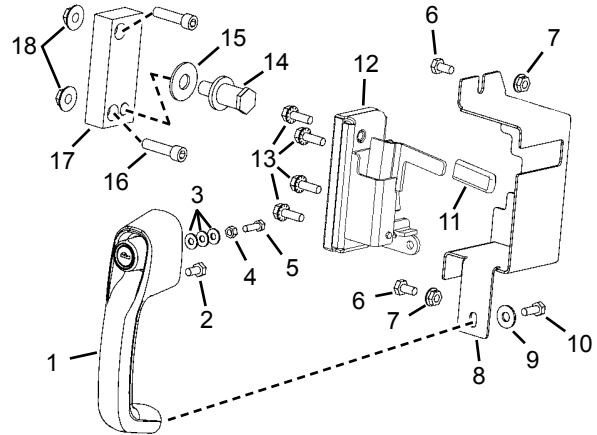
RT210 - CAB
SWING-OUT DOOR LATCHES
 (Series I, II, and III)

SERIES I DOOR LATCH



Item No.	Part No.	Description	Qty.
01	273340	HANDLE, PUSH BUTTON	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1
02	656092	CS M6-1x12 C8.8 ZY DIN931 <i>(included with item # 1)</i>	2
03	654002	FW 1/4" AWZY	AR
04	650426	CS 1/4" x 1-1/4" C5ZY	2
05	187724	STRIKER, CAM LATCH	1
06	070634	LN LG FL SERR 1/4" CZ	AR
07	274594	MOUNT, STRIKER	1
08	651800	FHSCS M6-1x30 C8.8 ZY DIN7991	3
09	651457	LN INS M6-1 C8 ZY DIN6924	2
10	182076	LATCH, CAM	1

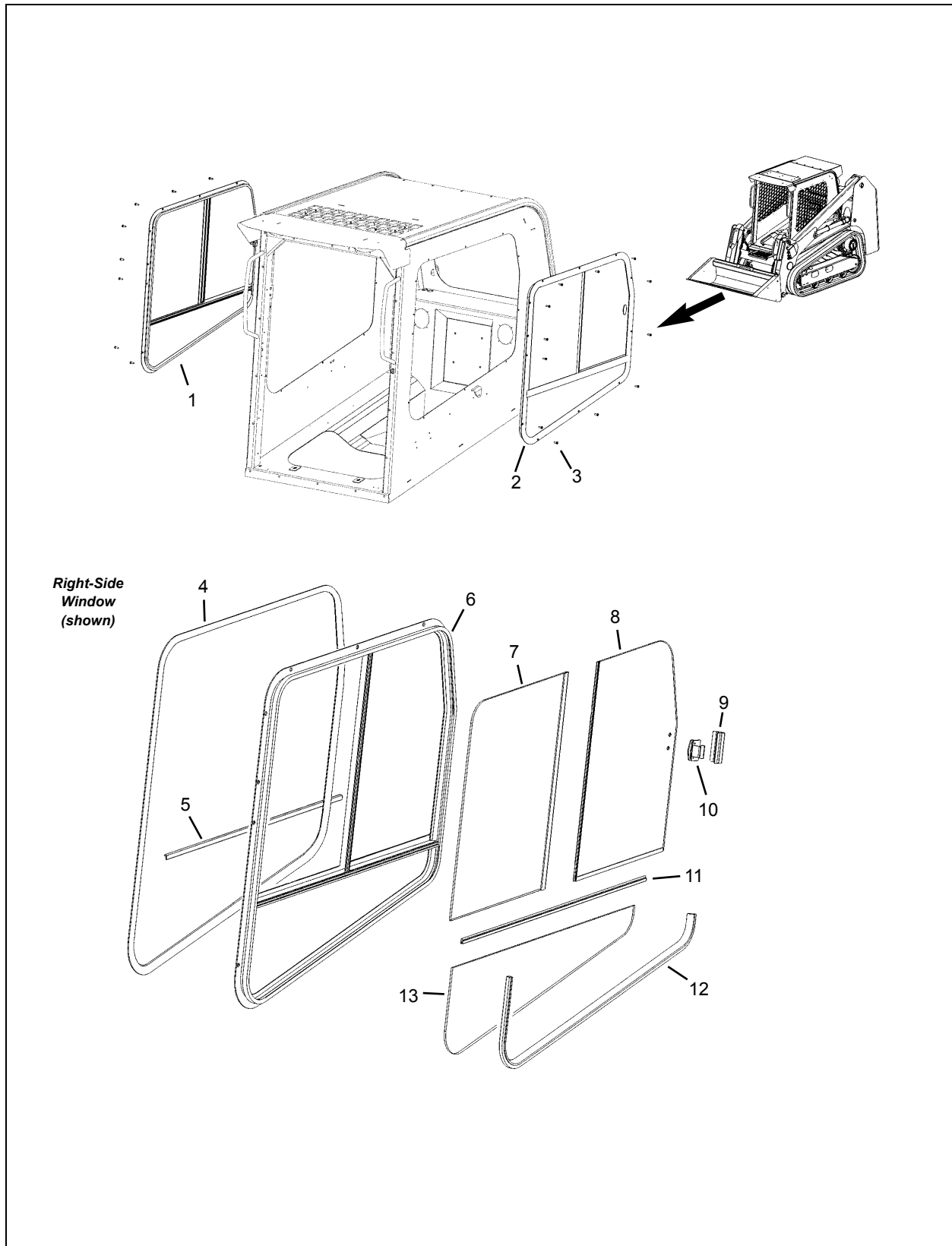
SERIES II and III DOOR LATCH



Item No.	Part No.	Description	Qty.
01	273340	HANDLE, PUSH BUTTON	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1
02	656092	CS M6-1x12 C8.8 ZY DIN931	1
03	650584	FW #10 AZY	3
04	656100	HN M5-0.8 C8 ZY	1
05	651521	CS M5-0.8 x 16 C8.8 ZY	1
06	650542	CS 1/4" x 1/2" C5ZY	2
07	210-32184	HN FL CLOC 1/4" CZY	2
08	50303454	COVER	1
09	654002	FW 1/4 AWZY	1
10	656149	CS M16-1x16 C8.8 ZY	1
11	50303465	LATCH HANDLE GRIP	1
12	50303453	LATCH	1
13	072916	CS FL LOCK 1/4" x 3/4" C5ZY	4
14	420-36187	STRIKER	1
15	654046	FW 7/16" AWZY	1
16	650896	SHCS HS 5/16" x 1-1/4" C	2
17	50303416	MOUNT, STRIKER	1
18	210-31017	HN LF CLOC 5/16" CZY	2

RT210 - CAB

SIDE WINDOWS (OPTION)



RT210 - CAB SIDE WINDOWS (OPTION)

Item No.	Part No.	Description	Qty.
01	271379	WINDOW, ASSEMBLY (<i>right</i>) *	1
02	271380	WINDOW, ASSEMBLY (<i>left</i>) *	1
03	651308	PHMS CR 1/4" x 3/4" ZB	24
04	50280124	SEAL, WINDOW (<i>one per side</i>)	2
05	50280144	SEAL, RAIN SHED (<i>one per side</i>)	2
06	50280141	FRAME, WINDOW (RH)	1
	50280140	FRAME, WINDOW (LH) **	1
07	50280148	WINDOW, STATIONARY (RH)	1
	50280147	WINDOW, STATIONARY (LH) **	1
08	50280146	WINDOW, SLIDER (RH)	1
	50280145	WINDOW, SLIDER (LH) **	1

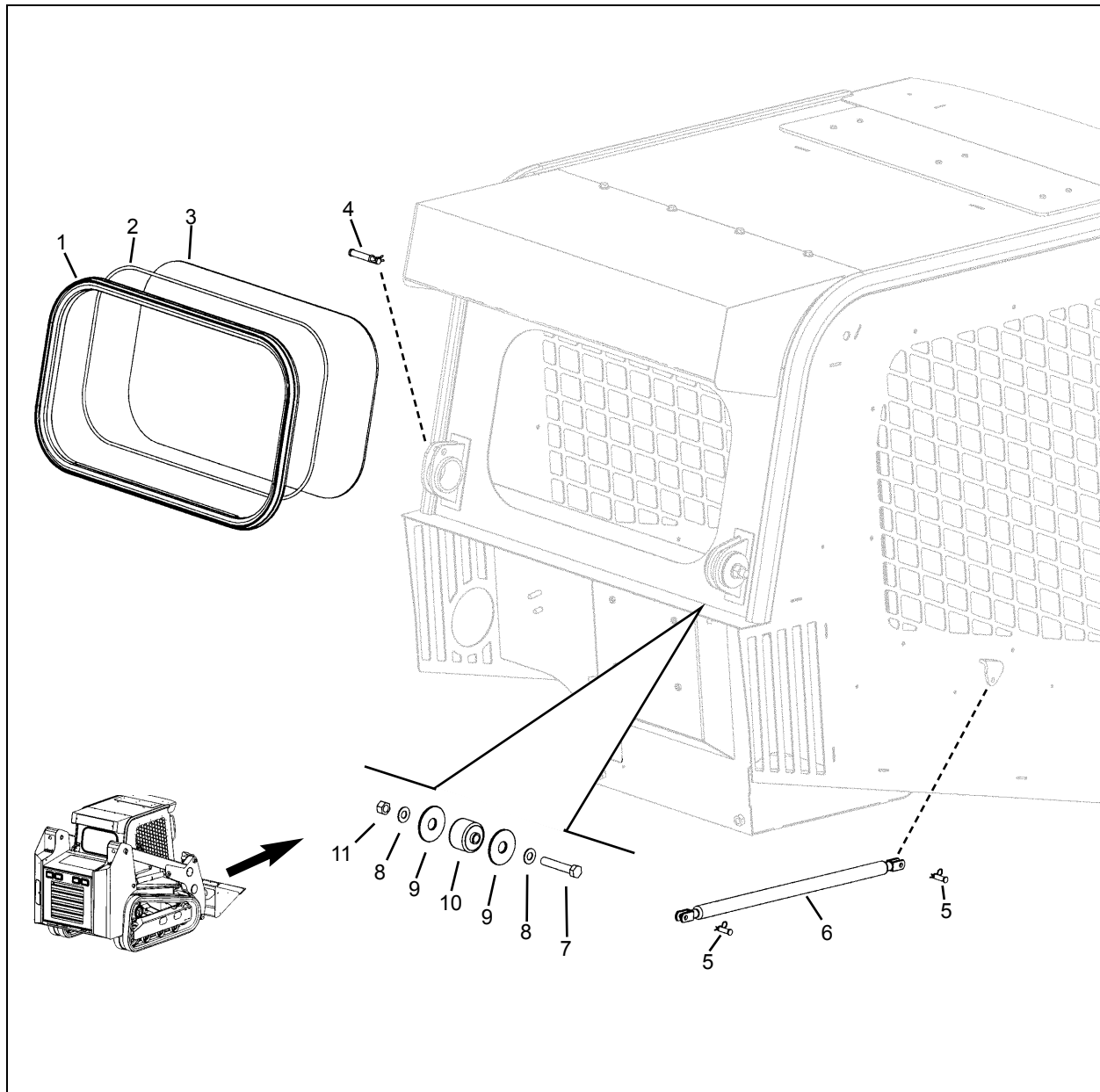
Item No.	Part No.	Description	Qty.
09	242779	STRIKER (<i>one per side</i>)	2
10	242780	LATCH ASSEMBLY (<i>one per side</i>)	2
11	50280150	RAIL, PVC SLIDER (<i>one per side</i>)	2
12	50280143	SEAL, RETAINER (<i>one per side</i>)	2
13	50280149	WINDOW, LOWER (<i>one per side</i>)	2

* Window assembly includes one each of items 4-13.

** Not shown in illustration.

RT210 - CAB

CAB TILT AND REAR WINDOW



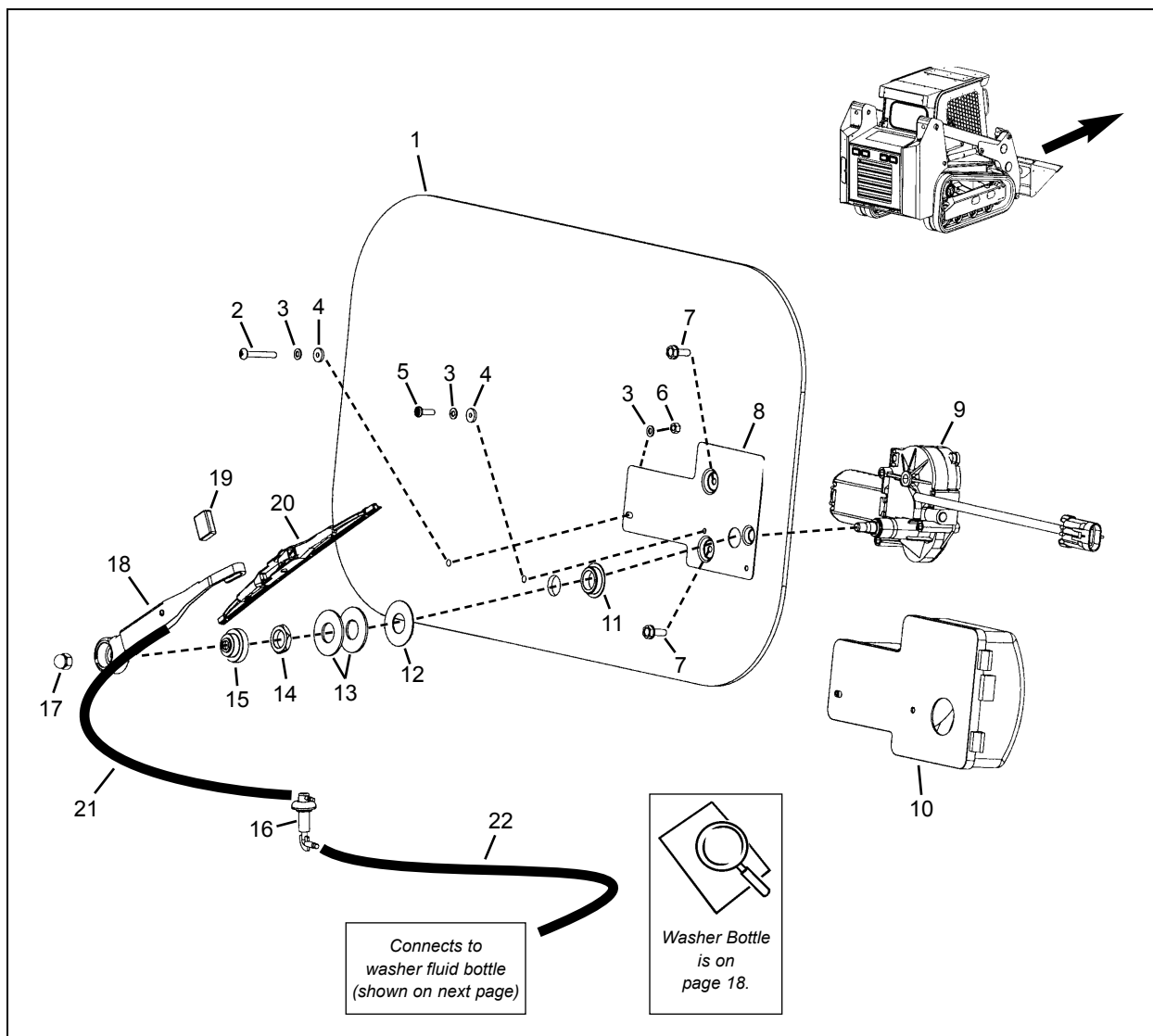
Item No.	Part No.	Description	Qty.
01	240645	WEATHERSTRIP, WINDOW	1
02	241544	RIPCORDER, WEATHERSTRIP	1
03	243270	WINDOW, REAR (standard)	1
04 ^a	275321	PIN (cab restraint)	1
	612773	COTTER/HAIRPIN 3/32x1-7/8	2
	274656	SASH CHAIN (not shown)	1
	650878	COTTER PIN 5/32 x 1 Z (not shown)	1
05	005073	CLEVIS PIN 3/8" x 1-1/4"	4
	071858	COTTER/HAIRPIN 1/8x1-15/16	4
06	50303213	GAS CYLINDER, CAB TILT (std.)	2
	50303211	GAS CYLINDER, CAB TILT (option) *	2
07	650631	CS 5/8" x 4" C5ZY	2
08	651150	FW 5/8" AWZY	4

Item No.	Part No.	Description	Qty.
09	274203	WASHER, PLASTIC 1"	4
10	241357	ISOLATOR	2
11	071709	LN CTR 5/8" CBZY	2
12	50300695	PLUG (not shown)	AR

* Stronger gas cylinder - used when machine is equipped with optional cab door.

a Used for cab restraint on Series I cabs; machine SN 21041 and before. Refer to page 6, items 37-45 for Series II cab restraint—located under the front-left side of the cab.

RT210 - CAB REAR WINDOW - WIPER ASSEMBLY (OPTION)

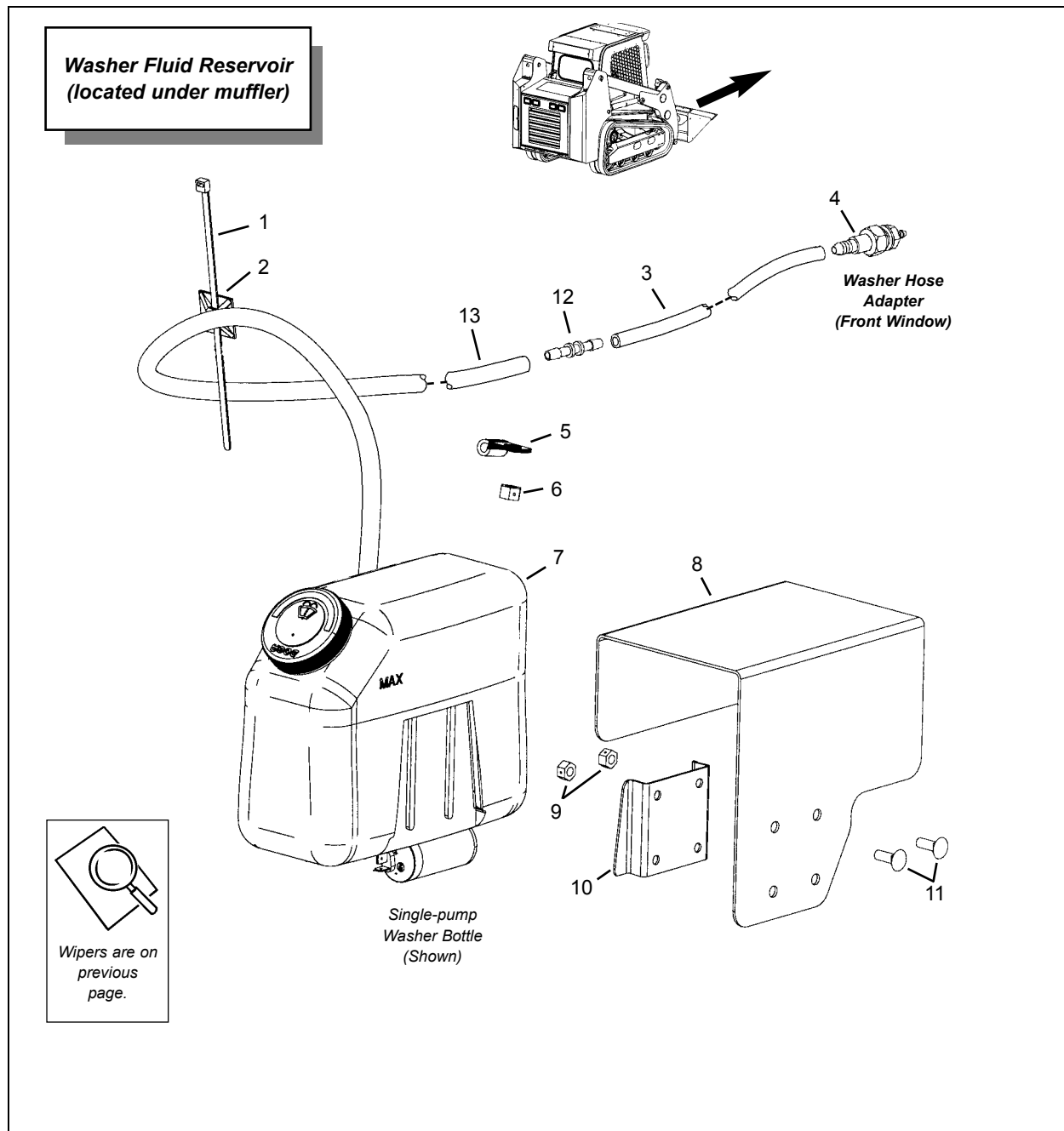


Item No.	Part No.	Description	Qty.
01	240055	WINDOW, REAR (w/wiper option) *	1
02	651810	PHMS CR M5-0.8 x 35 CZB DIN7985	1
03	651809	FW M5 ZB DIN125	3
04	243546	WASHER, RUBBER #10	2
05	L500711	SCREW M5 16 mm	1
06	656100	HN M5-0.8 C8 ZY DIN934	1
07	243512	SCREW, TAPTITE M6	2
08	242801	PLATE, WIPER MOTOR MOUNT	1
09	241900	MOTOR, REAR WIPER	1
10	L500696	COVER, WIPER MOTOR	1
11	L500708	TOWER SEAL, TRICO WIPER	1
12	243456	WASHER, FIBER	1
13	243455	WASHER, FLAT	2
14	L500697	NUT M18	1
15	L500709	RAIN SHIELD	1
16	243516	WIPER HOSE FITTING	1

Item No.	Part No.	Description	Qty.
17	L500700	NUT M8 (acorn)	1
18	243453	ARM, WIPER	1
19	242947	HEAD, SPRITZER (spray nozzle)	1
20	243452	BLADE, WIPER	1
21	50300694	HOSE, WASHER (15")	1
22	50300696	HOSE, WASHER (132")	1
-- ITEMS NOT SHOWN --			
00	274237	JUMPER HARNESS, REAR WIPER	1
00	L71706	SWITCH, REAR WIPER	1
00	055648	TIE, CABLE 0.19" x 7.50" BLACK	AR

* Use weatherstrip (240645) and ripcord (241544), as shown on the facing page (items 1 and 2), to secure the window to the cab.

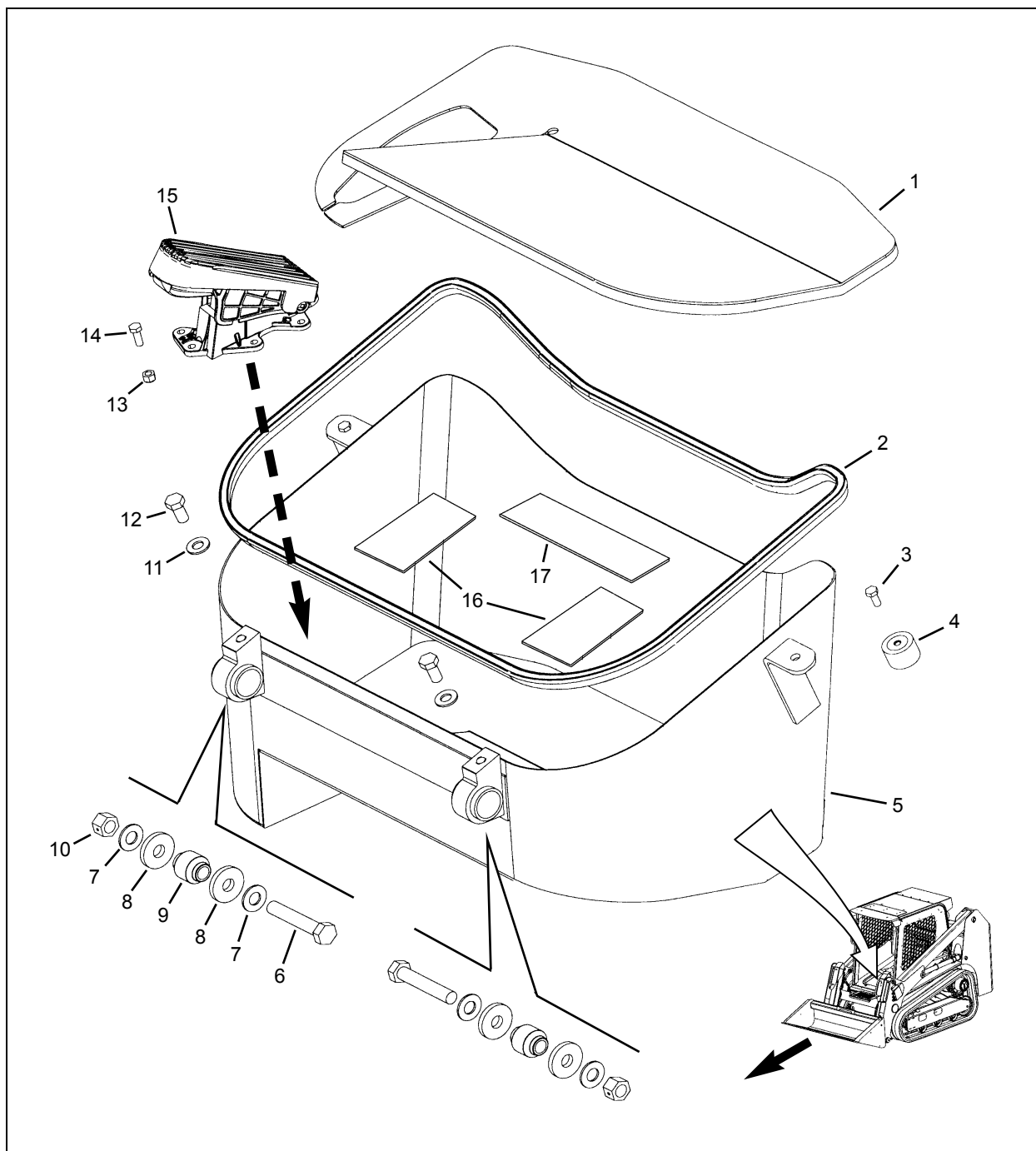
RT210 - CAB WINDOW WASHER (OPTION)



Item No.	Part No.	Description	Qty.
01	055648	TIE, CABLE 0.19 x 7.50	2
02	273382	MOUNT, CABLE TIE	2
03	275640	HOSE, WASHER 0.156 x 96"	1
04	L500099	ADAP., BULKHEAD WASH HOSE	1
05	068256	CLAMP, HOSE 0.25 x 0.41	3
06	071701	LN 5/16 CBZY	3
07		WASHER BOTTLE	1
	50300988	SINGLE-PUMP (door only option)	
	272562	DUAL-PUMP (door and rear window opt.)	

Item No.	Part No.	Description	Qty.
08	275624	HEAT SHIELD	1
09	071700	LN 1/4 CBZY	2
10	271838	BRACKET, WASHER BOTTLE	1
11	650758	CB 1/4 x 3/4 C5ZY	2
12	104121	TUBING CONNECTOR 5/32	1
13	50300767	HOSE, WASHER 0.156 x 60"	1

RT210 - CAB FOOT POD / FOOT THROTTLE



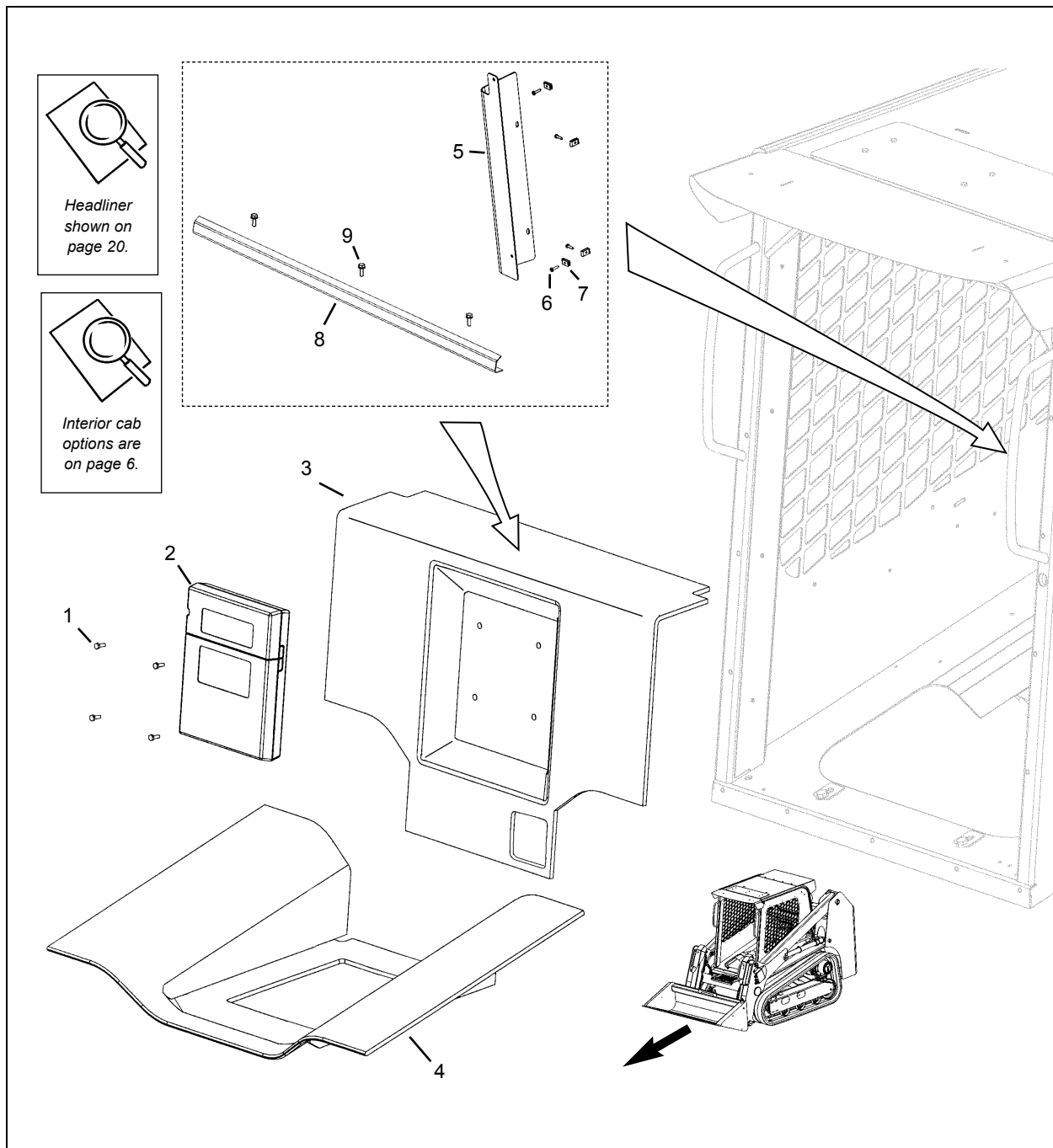
Item No.	Part No.	Description	Qty.
01	275386	FLOOR MAT *	1
02	275328	BULBSEAL	1
03	650486	CS 5/16 x 3/4 C5ZY	2
04	275016	ISOLATOR, 1" x 1.5"	2
05	50300047	POD, FOOT	1
06	650695	CS 5/8" x 3-1/2" C5ZY	2
07	651150	FW 5/8" ANZY	4
08	271637	FW 41/64 PLASTIC	4
09	271632	ISOLATOR	2
10	071709	LN CTR 5/8 CBZY	2

Item No.	Part No.	Description	Qty.
11	651148	FW 1/2" ANZY	2
12	650494	CS 1/2" x 1" C5ZY	2
13	064260	HLN INST 5/16 CZY	5
14	650809	CS 5/16 x 7/8 C5ZY	5
15	271425	THROTTLE, FOOT	1
16	50300465	NON-SLIP TAPE 4x9 IN.	2
17	50300467	NON-SLIP TAPE 4x18 IN.	1

* Up to three floor mats can be stacked to adjust the floor height for the operator.

RT210 - CAB

INTERIOR COVERS

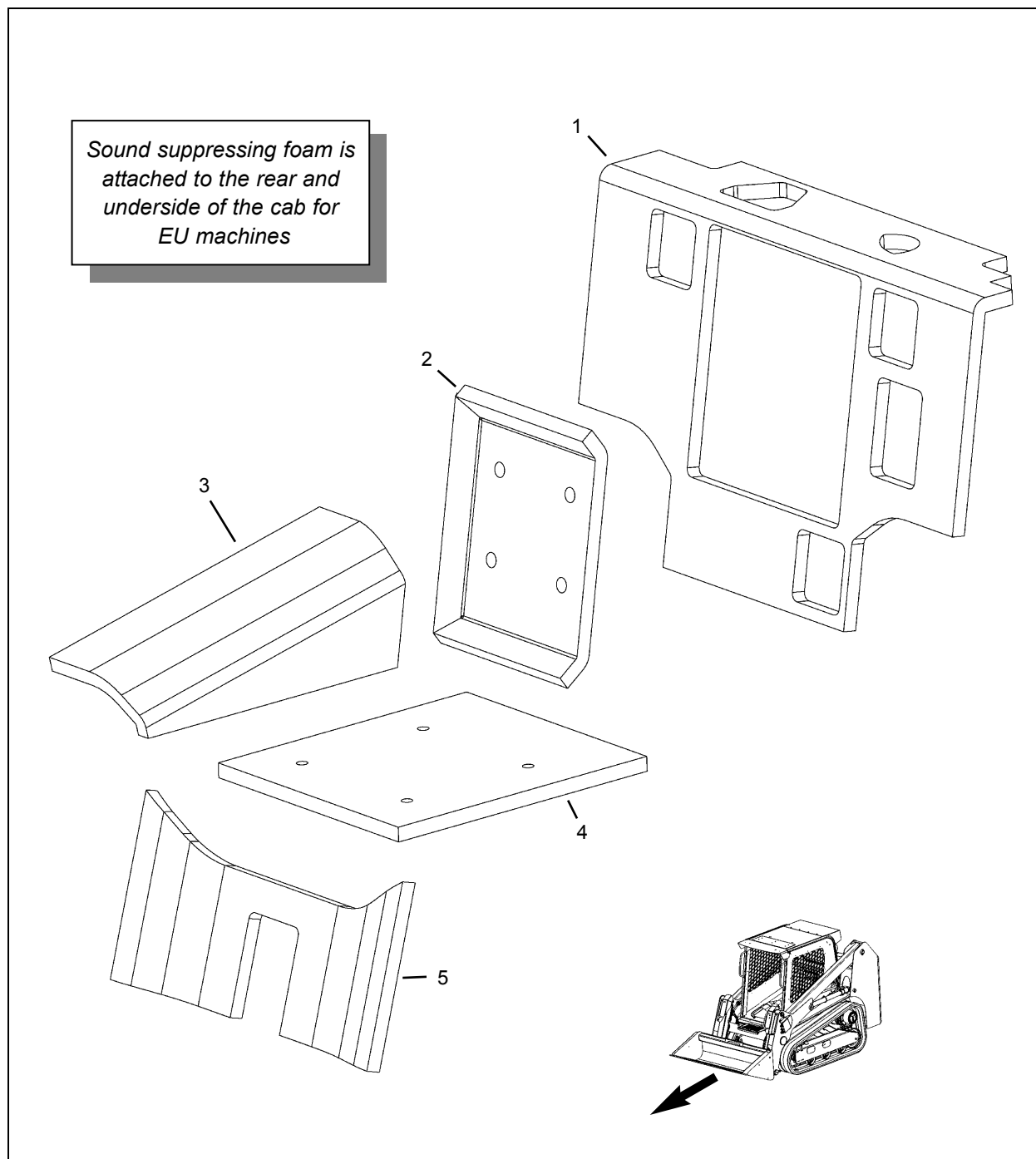


Item No.	Part No.	Description	Qty.
01	650448	CS 1/4" x 3/4" C5ZY	4
02	L62459	HOLDER, MANUAL (<i>plastic</i>)	1
03	270915	FOAM, REAR WALL	1
04	272594	LINER, SEAT DECK	1
05	275241	COVER, HARNESS	1

Item No.	Part No.	Description	Qty.
06	651783	SCREW/TPH TF CR #832x3/4 CZY	4
07	272579	NUT, TINNEMAN #8-15	4
08	50303823	PLATE, REAR STORAGE	1
09	072916	CS FL LOCK 1/4"X3/4" C5ZY	3

RT210 - CAB

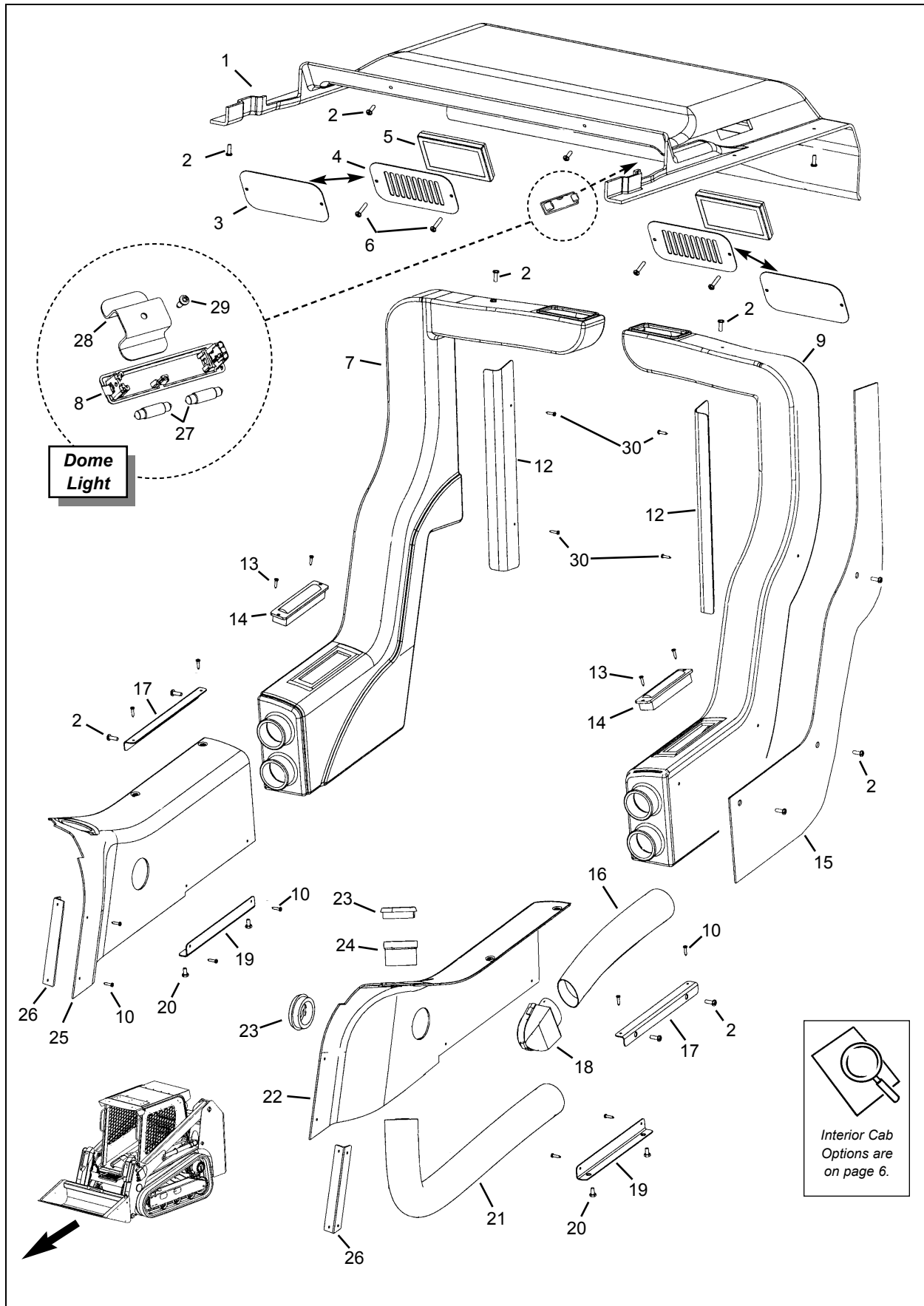
SOUND SUPPRESSING FOAM —(EU Machines)



Item No.	Part No.	Description	Qty.
01	271324	FOAM, REAR CAB	1
02	271327	FOAM, REAR CAB	1
03	271321	FOAM, CAB RIGHT	1
04	271316	FOAM, CAB SEAT	1
05	271336	FOAM, CAB FRONT	1

RT210 - CAB

HEADLINER - HEAT-A/C DUCTS — (OPTION)



RT210 - CAB

HEADLINER - HEAT-A/C DUCTS — (OPTION)

Item No.	Part No.	Description	Qty.
01		HEADLINER	1
	275087	(No heater or A/C) - (standard)	
	275236	(Equipped with heat-A/C) - (option)	
02	651308	PHMS CR 1/4" x 3/4" ZB	AR
03	275353	PLATE, COVER (without heat-A/C) *	2
04	274868	PLATE, FILTER (with heat-A/C) **	2
05	242832	FILTER, RECIRCULATION AIR	2
06	651813	PHMS CR 1/4 x 1-1/4 CZB	4
07	275249	DUCT, REAR (right)	1
08	271756	DOME LIGHT***	1
09	272099	DUCT, REAR (left)	1
10	651783	SCREW/TPH TF CR#8-32x3/4 CZY	AR
	272579	#8 TINNEMAN	AR
12		COVER (hoses and harness)	
	270842	(when equipped with A/C-Heater)	2
	275241	(when not equipped with A/C-Heater)	1
13	L70487	SCREW, #10-16 x 3/4"	4
14	137503	LOUVER, ROLL NOZZLE	2
15	275291	INSULATION, DUCT (left-shown)	1
	270246	INSULATION, DUCT (right-not shown)	1
16	271899	HOSE, FLEX. DUCTING 17.5 IN.	2
	087850	CLAMP, HOSE #40 (not shown)	4
17	271670	BRACKET, FRONT COVER (upper)	2
18	271450	HOSE ADAPTER, 90° 2.50 IN.	2
19	271671	BRACKET, FRONT COVER (lower)	2
20	650448	CS 1/4 x 3/4 C5ZY	4
21	271898	HOSE, FLEX. DUCTING 31.5 IN.	2
	087850	CLAMP, HOSE #40 (not shown)	4

Item No.	Part No.	Description	Qty.
22	274731	COVER, HVAC (left) (Swing-Out Door - Option)	1
23	271394	LOUVER 2.50 IN.	4
24	271395	LOUVER, HOSE ADAPTER	2
25	274842	COVER, HVAC (right) (Swing-Out Door - Option)	1
26	274734	BRACKET, SIDE COVER MOUNT	2
	650448	CS 1/4 x 3/4 C5ZY (not shown)	4
	071401	HLN 1/4 CZY (not shown)	4
	651783	SCREW #8-32 x 3/4 (not shown)	4
27	275882	BULB, 12V - 10 W	2
28	50300088	BRACE, DOME LIGHT	1
29	651646	P TORX HTF #10-32x1/2 FBZ Type F	1
30	651312	RHMS SLT #10-24X1/2" CZY	4

* Used when the machine is not equipped with a heater or air conditioning option.

** Used when the machine is equipped with a heater or air conditioning option.

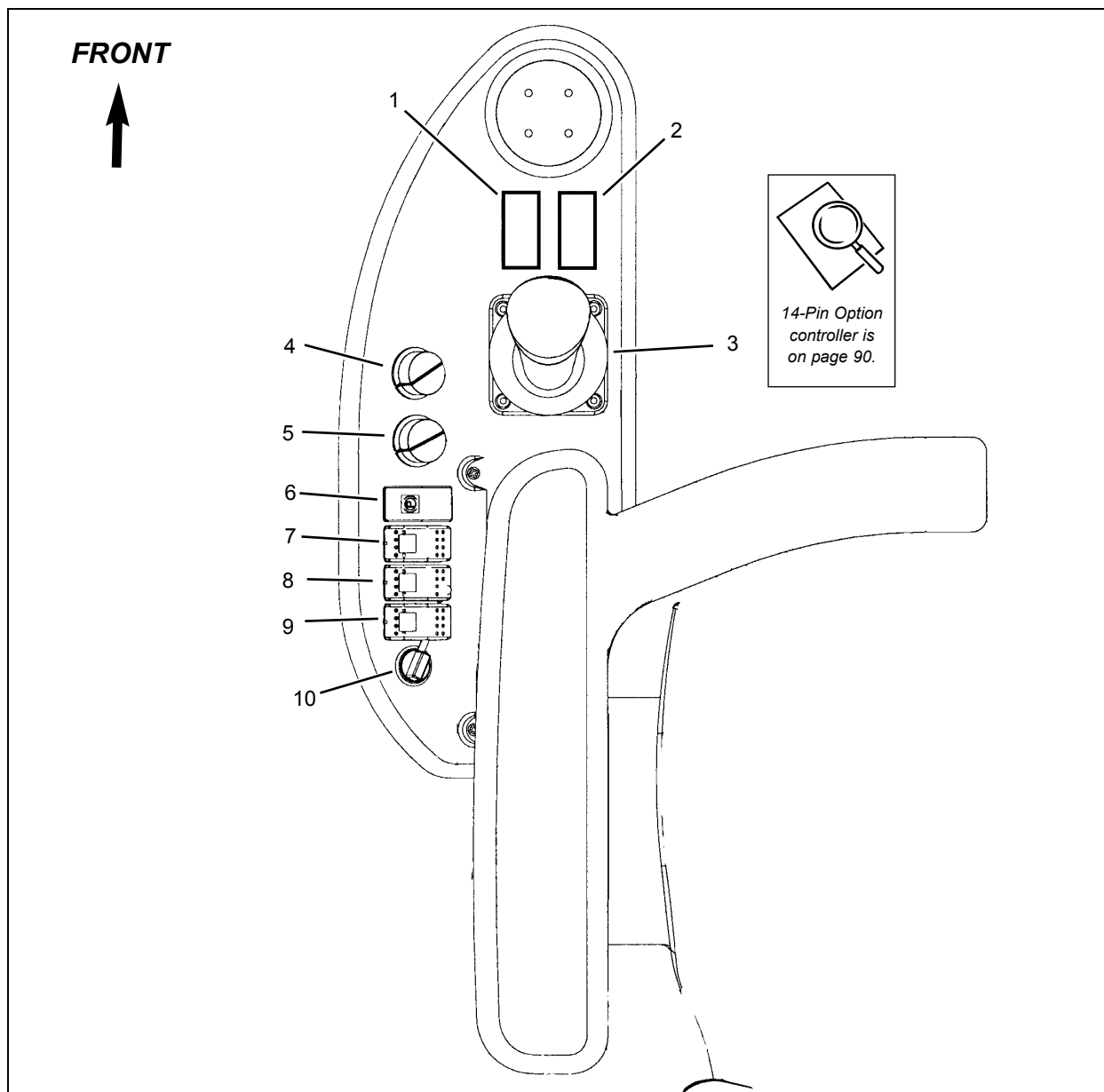
*** Does not include bulbs; order item #27.



NOTE: With the exception of items #3 and #12—275241, all parts shown are only used when the machine is equipped with the heater or air conditioning option.

RT210 - CAB

CONSOLE CONTROLS - LEFT SIDE

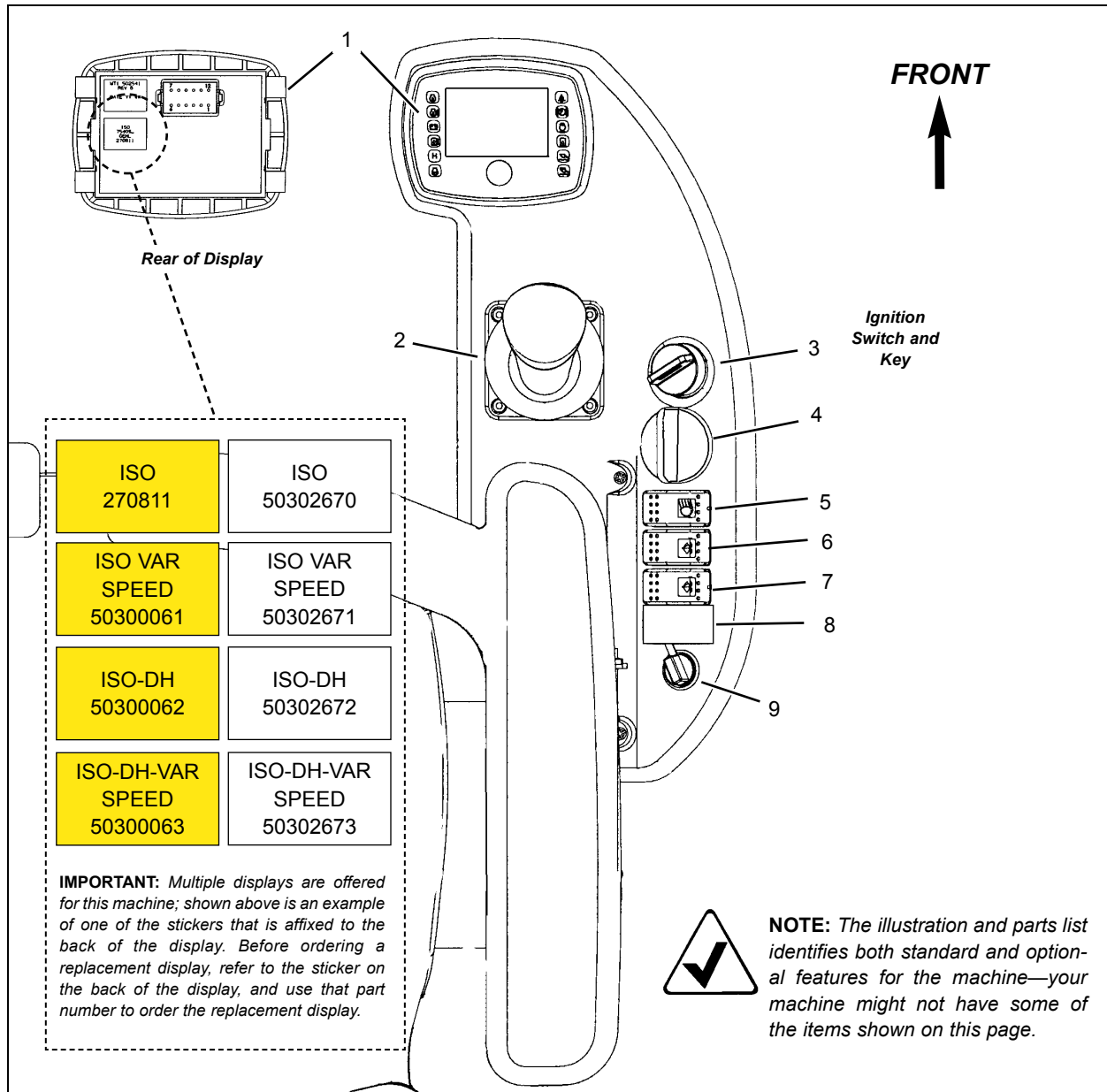


Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	242636	PANEL PLUG	1	08	271743	SWITCH, HIGH FLOW (option)	1
02	242636	PANEL PLUG	1	09	50300585	SWITCH, PWR ALL-TACH (option)	1
03		CONTROLLER (left)	1	10	137602	12 VOLT AUXILIARY POWER	1
	651424	SCREW M6-1x20 C8.8 (not shown)	4		137603	COVER, RUBBER	1
	275519	Standard Controller	1	* Option — these switches are used when the machine is equipped with the heater or the A/C option. If the machine is not equipped with a heater or A/C, use plastic plug PN 271678 in place of the heater switch and the A/C controller.			
	50301592	14-Pin Option Controller	1				
	50300314	KIT, SWITCH (not shown)	1				
04	136305	SWITCH, HEATER (fan speed) *	1				
	273968	KNOB (not shown)	1				
	50300066	NUT, HEATER SWITCH	2				
05	189033	A/C CNTRL MODULE (temperature) *	1				
	273968	KNOB	1				
06	271542	SWITCH, PARK BRAKE	1				
07	271702	SWITCH, SELF LEVEL (option)	1				



NOTE: The illustration and parts list identifies both standard and optional features for the machine—your machine might not have some of the items shown on this page.

RT210 - CAB CONSOLE CONTROLS - RIGHT SIDE



Item No.	Part No.	Description	Qty.
01	See *	DISPLAY, IN-CAB - CAN *	1
	50300318	RUBBER BOOT, BUTTON	1
02		CONTROLLER (right)	1
	651424	SCREW M6-1x20 C8.8 (not shown)	4
	275459	One-button joystick - (standard float)	
	50300314	KIT, SWITCH (not shown)	1
	275460	Two-button joystick - (Hydraglide™ float)	
	50300314	KIT, SWITCH (not shown)	1
03	272578	SWITCH, IGNITION (includes key)	1
	50280186	KEY, 8001 (14603) (shown in switch)	1
	50280187	KEY COVER, RUBBER	1
04	272531	THROTTLE CONTROL	1
	651820	SCREW FCHM CR 10-32x3/4	2
05	271523	SWITCH, WORK LIGHTS	1
06	L71076	SWITCH, WIPER/WASHER - FRONT	1
07	L71076	SWITCH, WIPER/WASHER - REAR	1

Item No.	Part No.	Description	Qty.
08	242636	PANEL PLUG	1
09	137602	12 VOLT AUXILIARY POWER	1
	137603	COVER, RUBBER	1



IMPORTANT: Before ordering, refer to the sticker on the back of the display—this is the part number for the display; be sure to order the correct display for this machine. Displays shown in the shaded boxes are no longer available.

Please order the following:

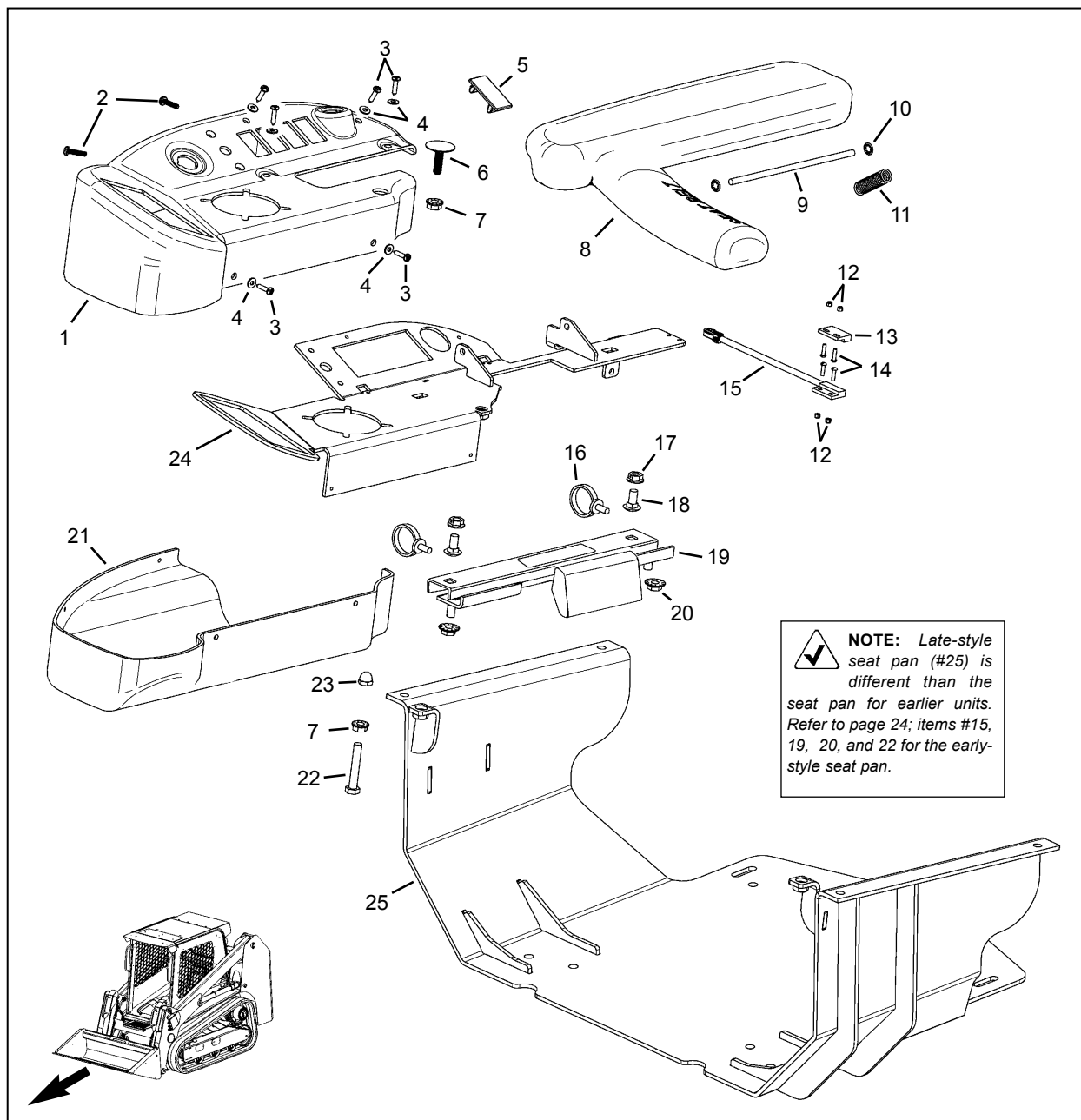
For 270811 order 50302670

For 50300061 order 50302671

For 50300062 order 50302672

For 50300063 order 50302673

RT210 - CAB
CONSOLE - RIGHT SIDE
(Late Style - See note below)

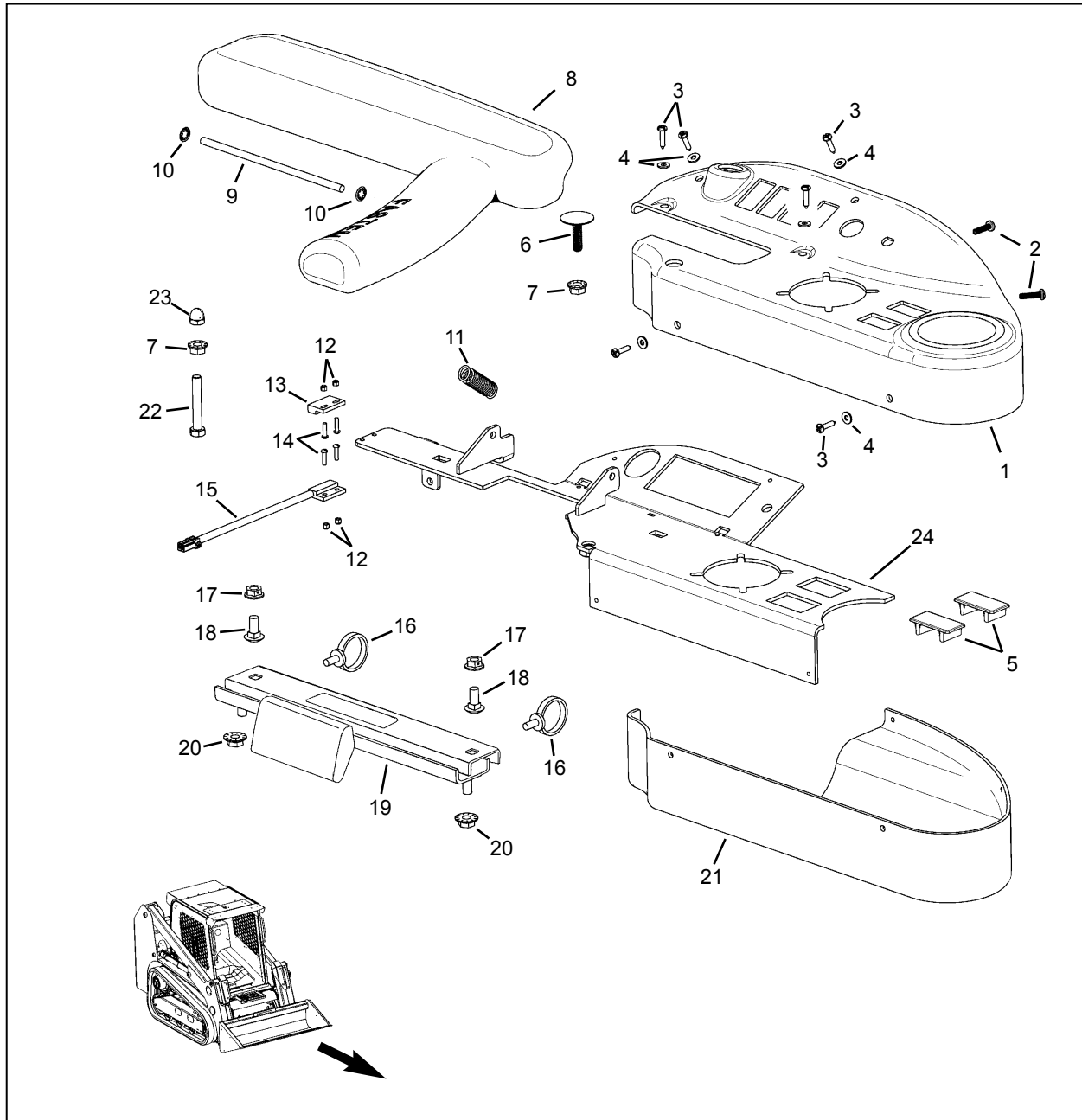


Item No.	Part No.	Description	Qty.
01	50303480	COVER, JOYSTICK (RH)	1
02	273071	SCREW, TPH TF CR #1014 x 3/4"	2
03	651783	SCREW/TPH TF CR#8-32x3/4 CZY	6
04	650606	FW #8	6
05	242636	PANEL PLUG	AR
06	50303472	STOP, ARM BAR	1
07	210-19470	HN FL SLOC 5/16 CZY	2
08	273214	ARM REST (right) *	1
09	272542	BAR, ARM REST	1
10	272543	KEEPER, 0.5" SHAFT	2
11	275982	SPRING, 0.50 x 2.00 EXT.	1
12	651328	HLN INST #5-40 CZY	4
13	193157	MAGNET, SWITCH ACTUATOR	1

Item No.	Part No.	Description	Qty.
14	651212	RMS SLT #5-40 x 1/2 " CZY	4
15	276026	SWITCH, PROXIMITY	1
16	273369	CABLE TIE	2
17	210-31017	HN FL CLOC 5/16 CZY	2
18	650687	CB 5/16" x 3/4" C5ZY	2
19	271859	SLIDE, ARM REST	1
20	070648	LN LG FL SERR 5/16" CZ	2
21	50300093	COVER	1
22	L51035	HTB 5/16" x 2" C5ZY	1
23	50303432	SLIDER CAP	1
24	50303460	WELDMENT, JOYSTICK MOUNT	1
25	50303251	WELDMENT, SEAT PAN	1

* Refer to page 27; item #25 for increased operator room.

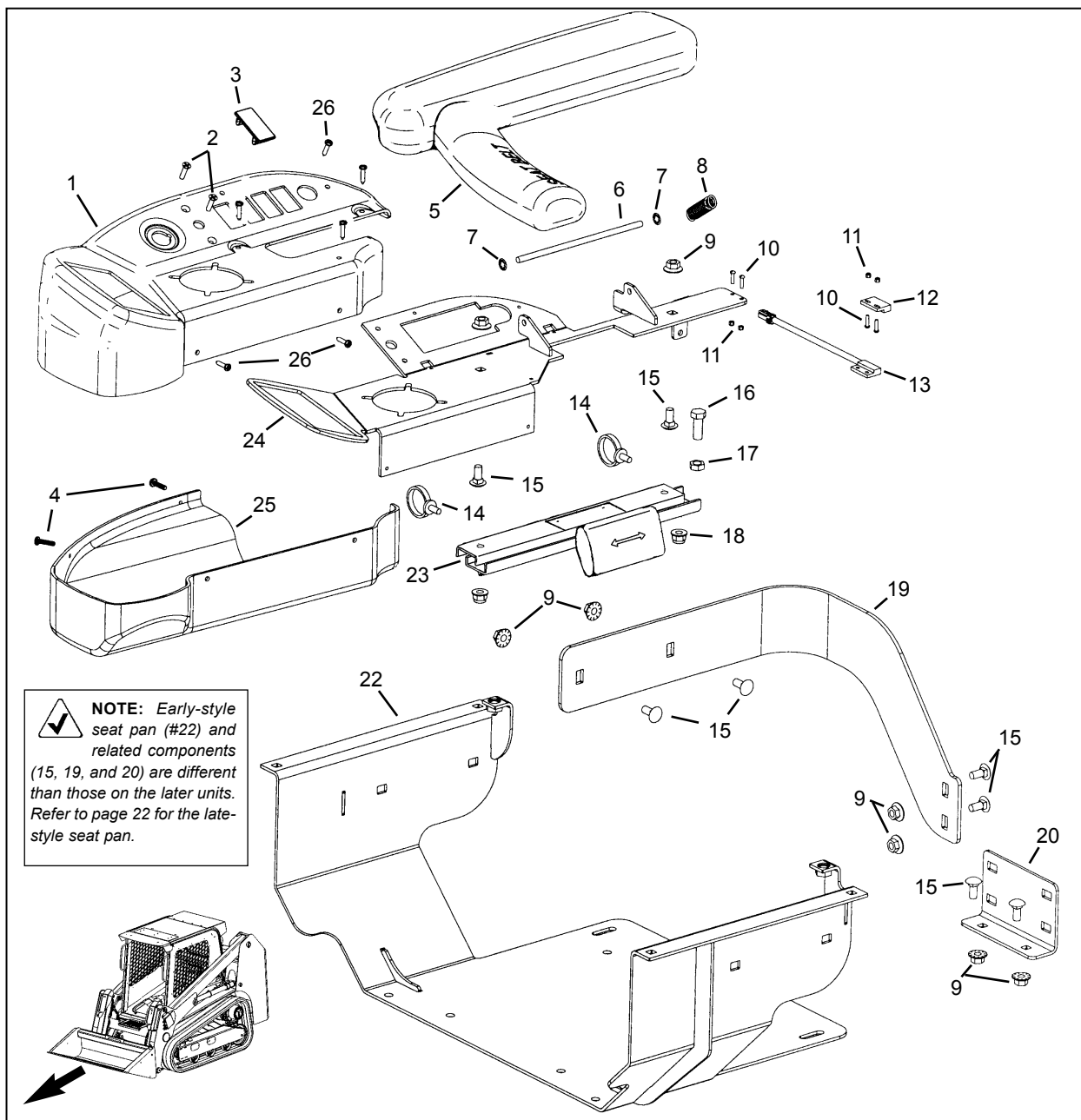
RT210 - CAB
CONSOLE - LEFT SIDE
(Late Style - See Note on Facing Page)



Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50303477	COVER, JOYSTICK (LH)	1	14	651212	RMS SLT #5-40 x 1/2 " CZY	4
02	273071	SCREW, TPH TF CR #1014 x 3/4"	2	15	276026	SWITCH, PROXIMITY	1
03	651783	SCREW/TPH TF CR#8-32x3/4 CZY	6	16	273369	CABLE TIE	2
04	650606	FW #8	6	17	210-31017	HN FL CLOC 5/16 CZY	2
05	242636	PANEL PLUG	AR	18	650687	CB 5/16" x 3/4" C5ZY	2
06	50303472	STOP, ARM BAR	1	19	271858	SLIDE, ARM REST	1
07	210-19470	HN FL SLOC 5/16 CZY	2	20	070648	LN LG FL SERR 5/16" CZ	2
08	273545	ARM REST (<i>left</i>) *	1	21	275979	COVER	1
09	272542	BAR, ARM REST	1	22	L51035	HTB 5/16" x 2" C5ZY	1
10	272543	KEEPER, 0.5" SHAFT	2	23	50303432	SLIDER CAP	1
11	275982	SPRING, 0.50 x 2.00 EXT.	1	24	50303458	WELDMENT, JOYSTICK MOUNT	1
12	651328	HLN INST #5-40 CZY	4				
13	193157	MAGNET, SWITCH ACTUATOR	1				

* Refer to page 27; item #25 for increased operator room.

RT210 - CAB
CONSOLE - RIGHT SIDE
(Early Style - See note below)

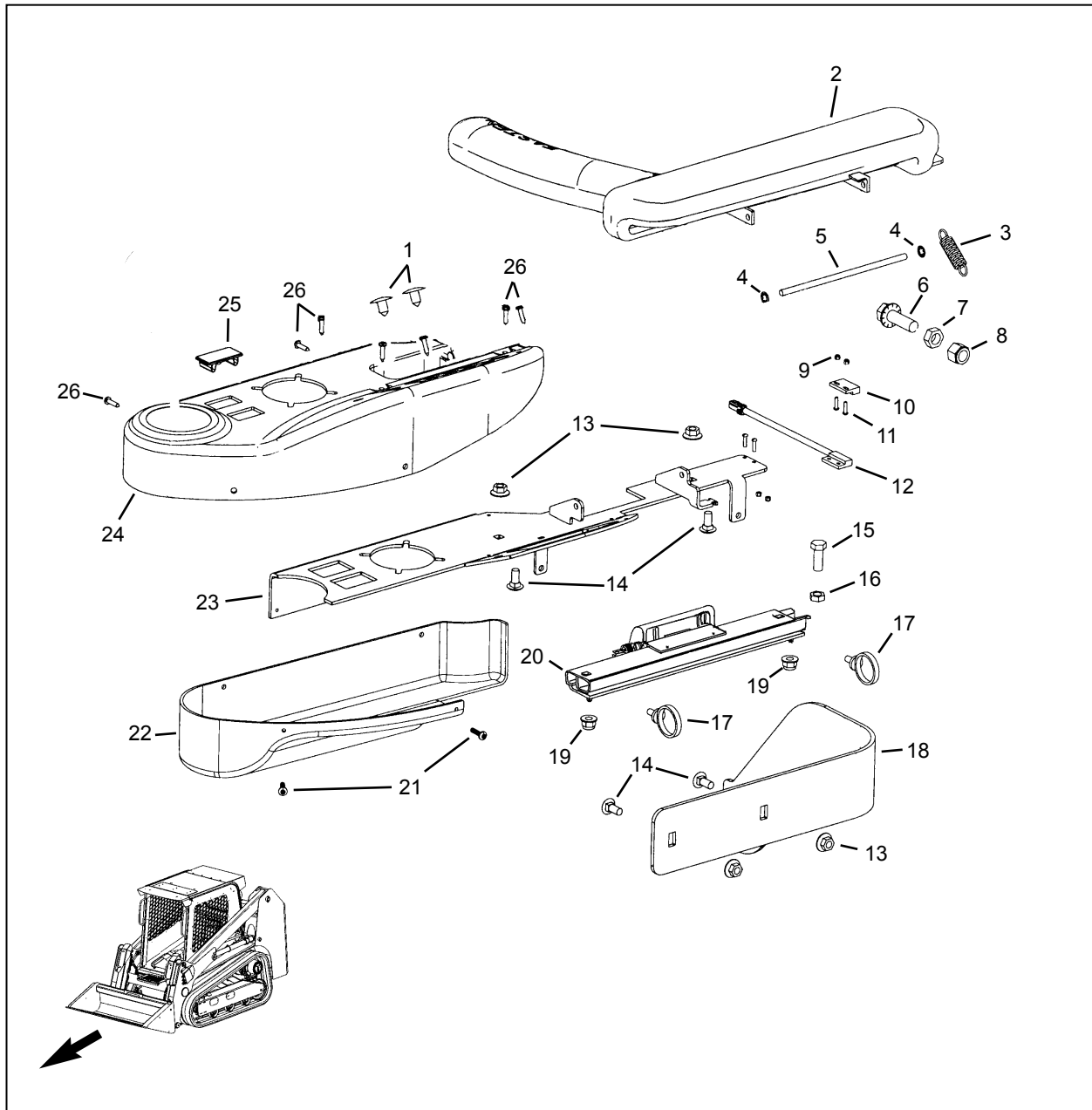


Item No.	Part No.	Description	Qty.
01	274335	COVER, JOYSTICK	1
02	651820	SCREW FCHM CR#10-32 x 3/4" (secures electronic hand throttle)	2
03	242636	PANEL PLUG	AR
04	273071	SCREW, TPH TF CR #1014 x 3/4"	AR
05	273214	ARM REST (right) *	1
06	272542	BAR, ARM REST	1
07	272543	KEEPER, 0.5" SHAFT	2
08	275982	SPRING, 0.50 x 2.00 EXT.	1
09	070648	LN LG FL SERR 5/16" CZ	AR
10	651212	RMS SLT #5-40 x 1/2 " CZY	4
11	651328	HLN INST #5-40 CZY	4
12	193157	MAGNET, SWITCH ACTUATOR	1
13	276026	SWITCH, PROXIMITY	1

Item No.	Part No.	Description	Qty.
14	273369	CABLE TIE	2
15	650687	CB 5/16" x 3/4" C5ZY	AR
16	650490	CS 3/8" x 1" C5ZY	1
17	653038	HJN 3/8 C2ZY	1
18	070648	LN LG FL SERR 5/16" CZ	2
19	275512	BRACKET	1
20	275980	BRACKET	1
22	275472	WELDMENT, CONTROL MOUNT	1
23	271859	SLIDE, ARM REST	1
24	274940	WELDMENT, RH JOYSTICK MOUNT	1
25	50300093	COVER	1
26	651783	SCREW/TPH TF CR#8-32x3/4 CZY	5

* Refer to page 27; item #25 for increased operator room.

RT210 - CAB
CONSOLE - LEFT SIDE
(Early Style - See Note on Facing Page)

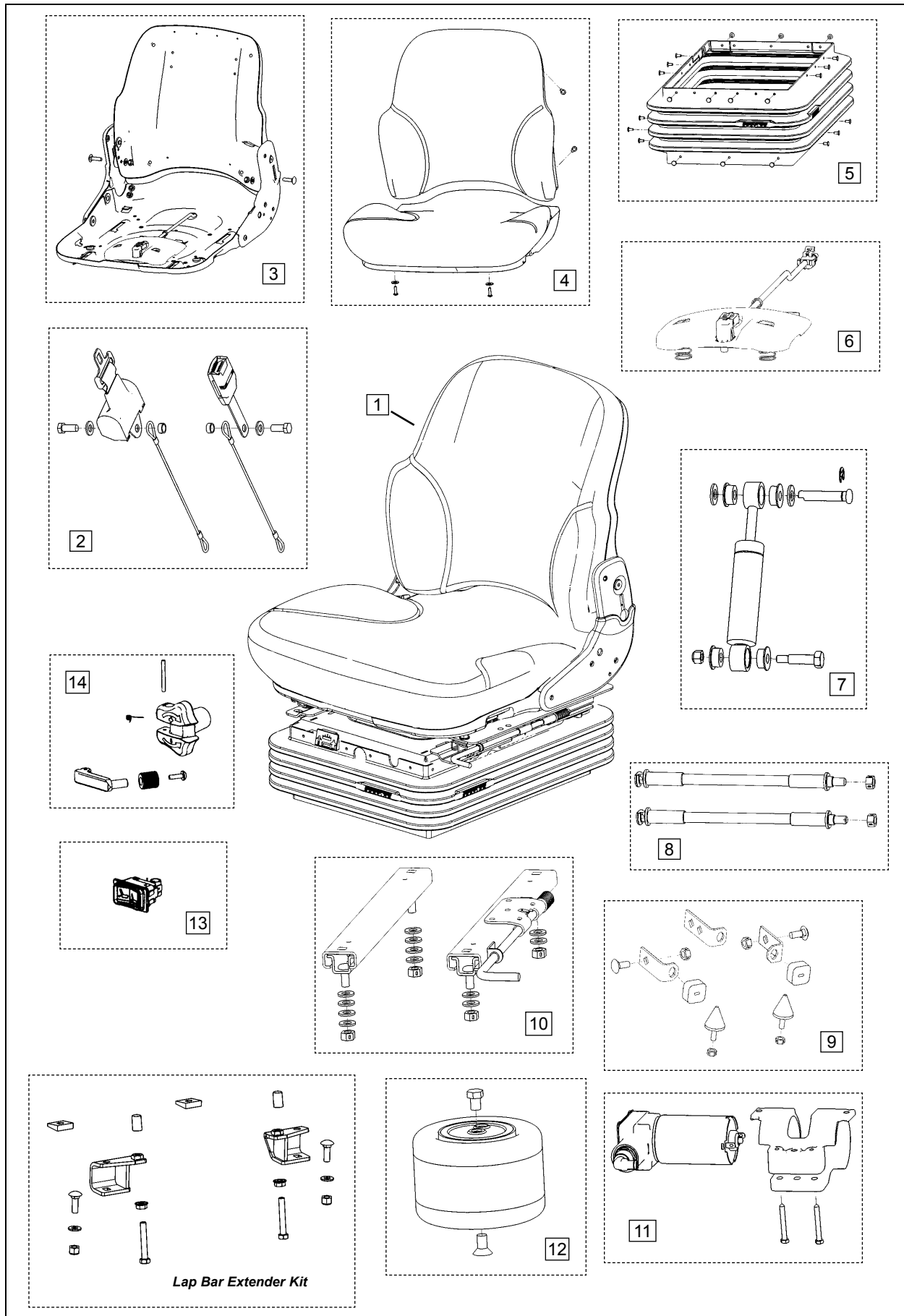


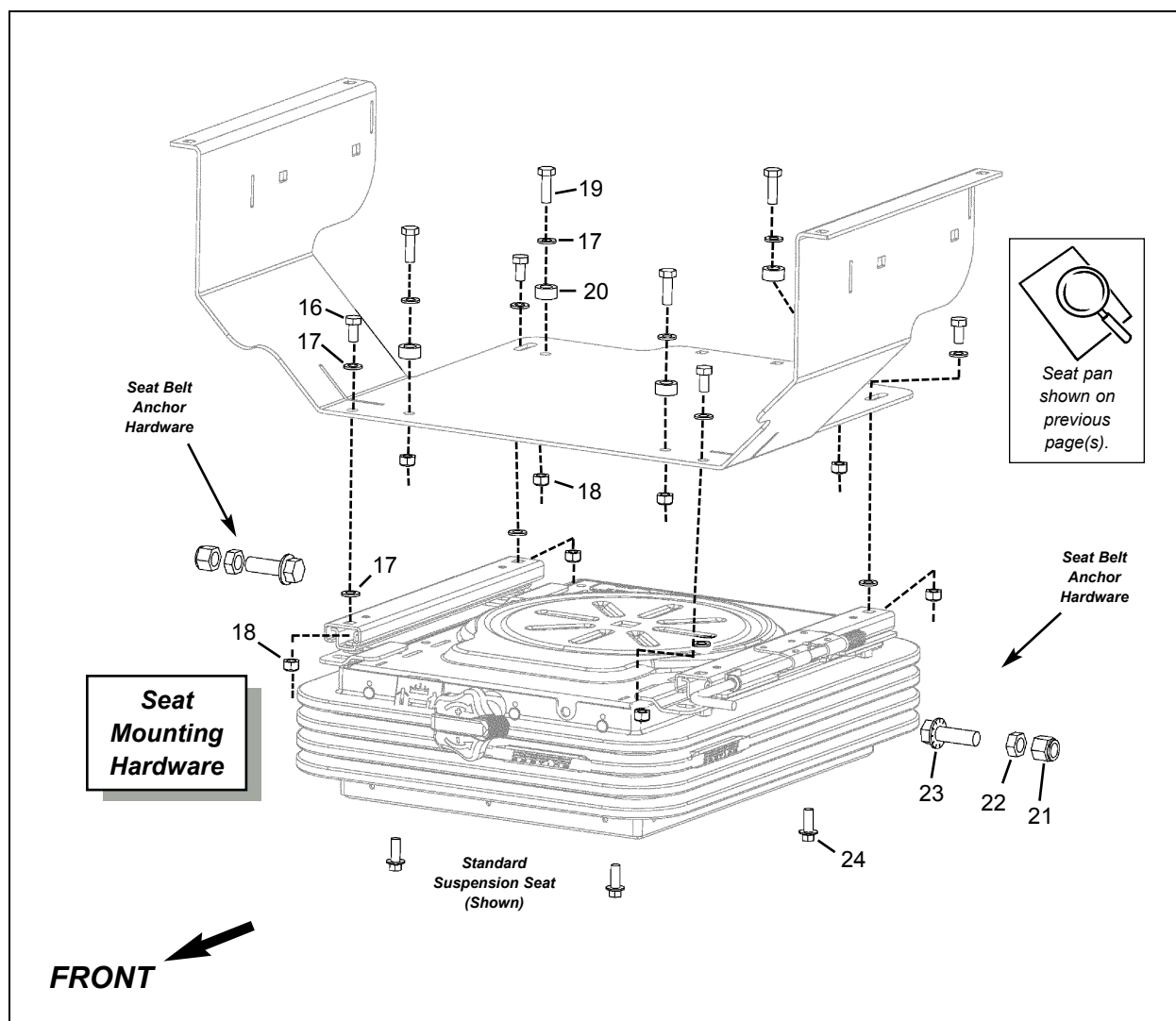
Item No.	Part No.	Description	Qty.
01	271678	PLUG	AR
02	273545	ARM REST (left) *	1
03	275982	SPRING, 0.50 x 2.00 EXT.	1
04	272543	KEEPER, 0.5" SHAFT	2
05	272542	BAR, ARM REST	1
06	081378	CS FL LOCK 1/2" x 1-1/2" C5ZY	2
07	653044	HJN 1/2 C2ZY	2
08	068034	HLN INST 1/2" CZY	2
09	651328	HLN INST #5-40 CZY	4
10	193157	MAGNET, SWITCH ACTUATOR	1
11	651212	RMS SLT #5-40 x 1/2 " CZY	4
12	276026	SWITCH, PROXIMITY	1
13	070648	LN LG FL SERR 5/16" CZ	4
14	650687	CB 5/16" x 3/4" C5ZY	4
15	650490	CS 3/8" x 1" C5ZY	1

Item No.	Part No.	Description	Qty.
16	653038	HJN 3/8" C2ZY	1
17	263369	CABLE TIE	2
18	275480	BRACKET	1
19	070648	LN LG FL SERR 5/16" CZ	2
20	271858	SLIDE, ARM REST	1
21	273071	SCREW, TPH TF CR #10-14 x 3/4"	AR
22	275979	COVER	1
23	275003	WELDMENT, LH JOYSTICK MOUNT	1
24	273037	COVER, JOYSTICK	1
25	242636	PANEL PLUG	AR
26	651783	SCREW/TPH TF CR#8-32x3/4 CZY	5

* Refer to page 27; item #25 for increased operator room.

RT210 - CAB SEAT





Item No.	Part No.	Description	Qty.
01	275469	SEAT, SUSPENSION (<i>complete</i>)	1
	275515	MECHANICAL (<i>standard</i>)	
		AIR (<i>option</i>)	
02	50280201	KIT, SEAT BELT 2" (<i>standard</i>)	1
	420-36087	KIT, SEAT BELT 3" (<i>option</i>)	1
		(<i>See item #25 to increase the room for the operator.</i>)	
03	50280202	KIT, SEAT TOP (<i>includes item #6</i>)	1
04	50280205	KIT, SEAT CUSHIONS *	1
05		KIT, BOOT	1
	50280212	(<i>mechanical suspension seat</i>)	
	50280210	(<i>air suspension seat</i>)	
06	50280204	KIT, SEAT SWITCH (<i>w/ harness</i>)	1
07	50280209	KIT, SHOCK (<i>uses only one shock</i>)	1
08	50280211	KIT, BEARING SHAFT	1
09	50280206	KIT, BUMPERS	1
10		KIT, SLIDES	1
	50280203	(<i>mechanical suspension seat</i>)	
	50280213	(<i>air suspension seat</i>)	
11	50280207	KIT, COMPRESSOR **	1
12	50280208	KIT, AIR SPRING **	1
13	50280457	SWITCH/VALVE **	1

Item No.	Part No.	Description	Qty.
14	50280458	KIT, KNOB SEAT HEIGHT ***	1
16	656093	CS M8-1.25x16 C8.8 ZY DIN931	4
17	656111	FW M8 ZY DIN125	12
18	651710	LN M8-1.25 C8 ZY DIN6925	8
19	656105	CSM8-1.25x25 C8.8 ZY DIN931	4
20	50300483	SPACER	4
21	068034	HLN INST 1/2 CZY	2
22	653044	HJN 1/2 C2ZY	2
23	081378	CSFL LOCK 1/2x1-1/2 C5ZY	2
24	651689	CS FL M8-1.25x20 C8.8 ZY DIN1662	4
25	50303434	KIT, LAP BAR EXTENSION	1
		(<i>Provides additional room between seat and lap bar for operator.</i>)	

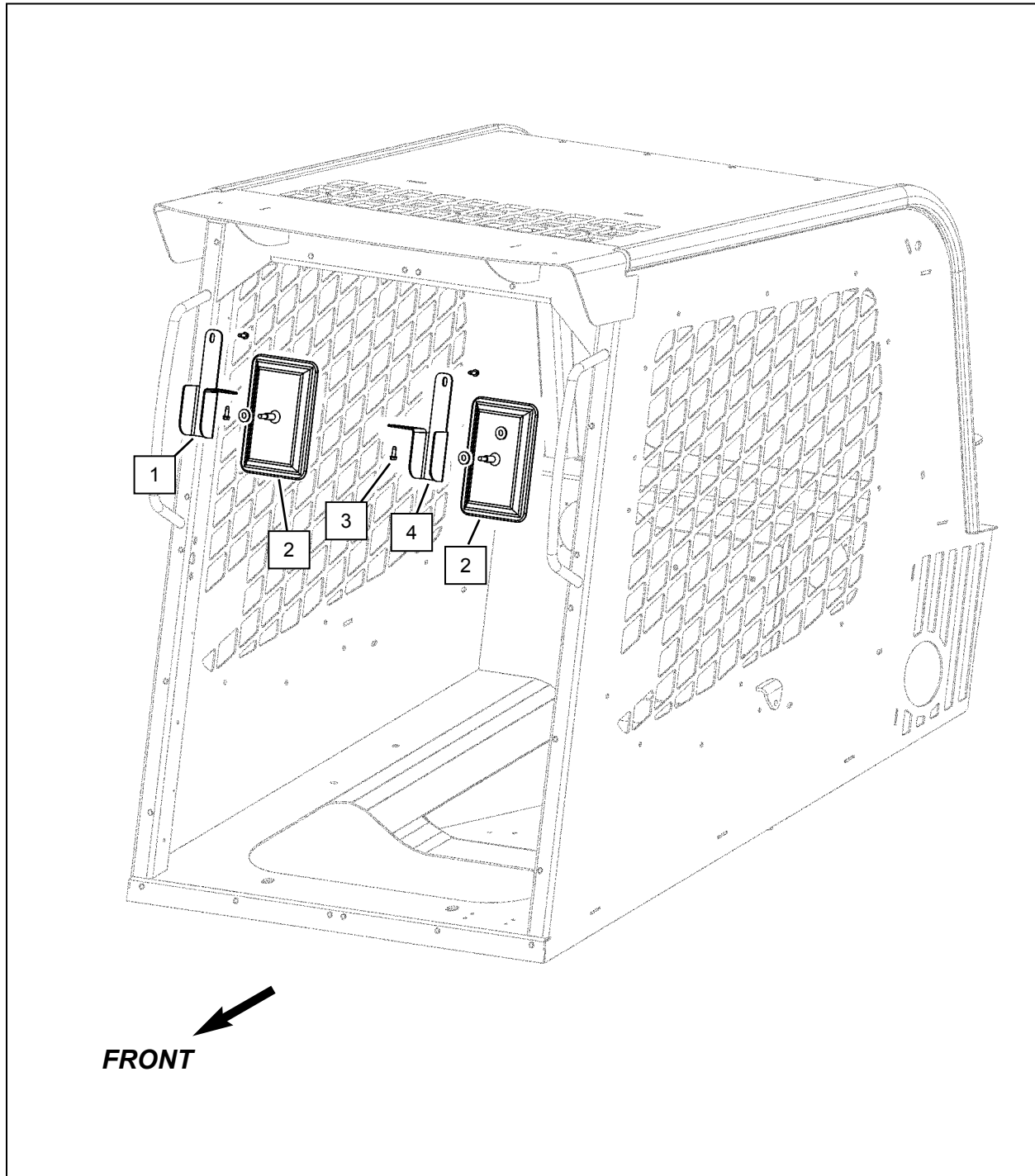
*Individual seat cushions are not sold separately; kit includes both seat cushions.

** Air suspension seat only.

*** Mechanical suspension seat only.

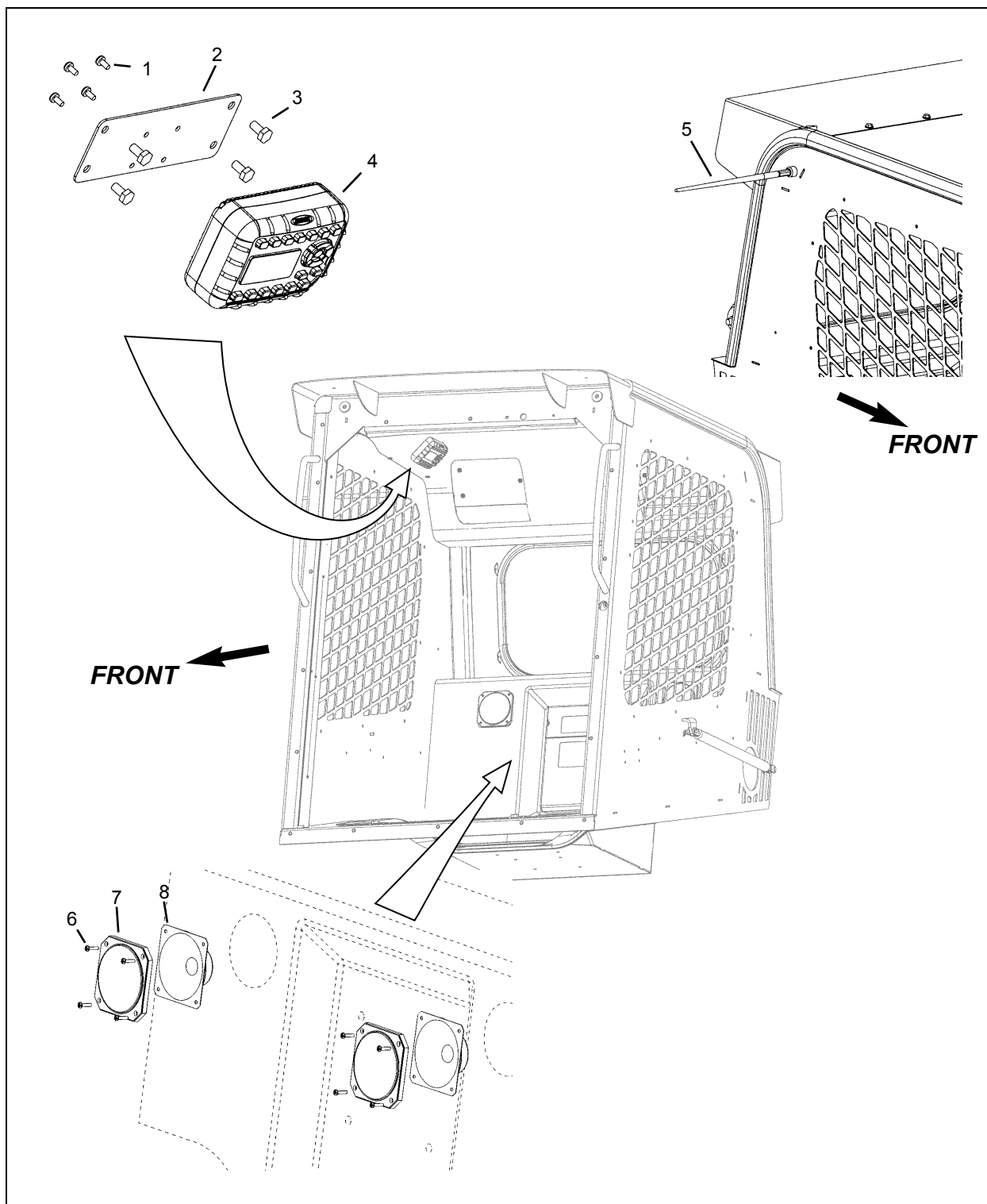
RT210 - CAB

MIRROR - (OPTION)



Item	No.	Part No.	Description	Qty.
01	50301078		BRACKET, MIRROR (right)	1
02			MIRROR	2
	50303489		MIRROR, CONVEX (Domestic)	
	50301077		MIRROR, CONVEX (EU)	
03	651602		SCREW/THWH1/4x3/4 CZY	4
04	50301158		BRACKET, MIRROR (left)	1
05	650810		FW 5/16 ANZY	2

RT210 - CAB RADIO - (OPTION)

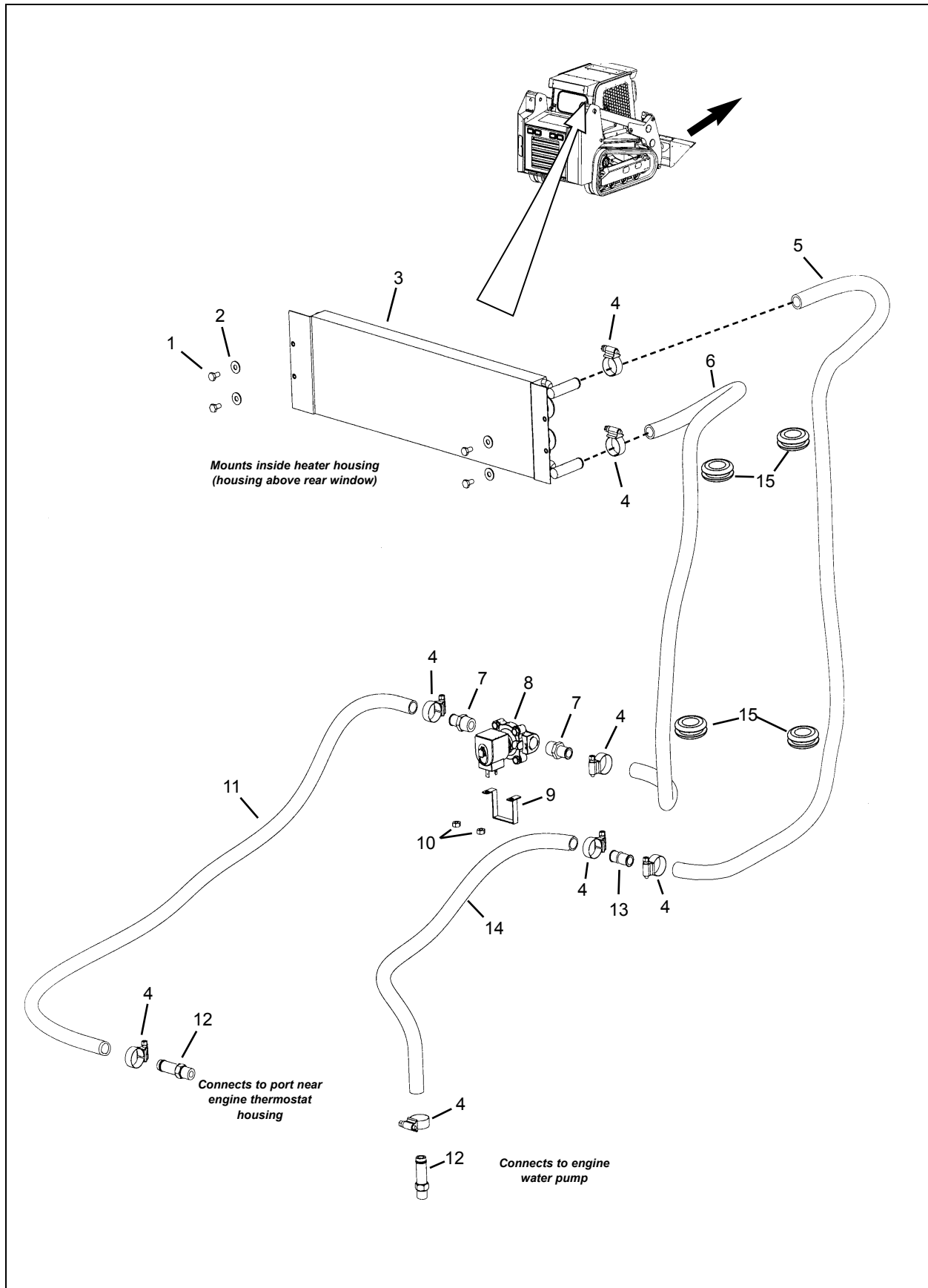


Item No.	Part No.	Description	Qty.
01	651784	PHMS CR M4-0.70 x 8 C4.8 ZY	4
02	271371	PLATE, RADIO	1
03	650542	CS 1/4" x 1/2" C5ZY	4
04	192454	RADIO, AM/FM/WB	1

Item No.	Part No.	Description	Qty.
05	184507	ANTENNA, RADIO	1
06	651778	PHMS CR #8-32 x 3/4" CBO	8
07	272029	SPEAKER GRILLE	2
08	184505	SPEAKER, RADIO - 4"	2

RT210 - CAB

HEATER HOSE CIRCUIT — (OPTION)



RT210 - CAB

HEATER HOSE CIRCUIT — (OPTION)

Item No.	Part No.	Description	Qty.
01	650542	CS 1/4 x 1/2 C5ZY	4
02	654002	FW 1/4 AWZY	4
03	271864	HEATER CORE	1
04	095955	CLAMP, HOSE #10	AR
05		HOSE, HEATER 5/8"	1
	271345	81" *	
	50300588	51" **	
06	271269	HOSE, HEATER 5/8" x 42"	1
07	186193	ST 1/2 MPT x 5/8 HOSE	2
08	186703	HEATER-A/C SOLENOID VALVE	1
09	186716	VALVE BRACKET	1
10	653005	HN 1/4 C2ZY	2
11	50300589	HOSE, HEATER 5/8" x 61	1
12	104052	MBSPT06 - HB10 STR	2
13	50300586	ST HB10-HB10 **	1

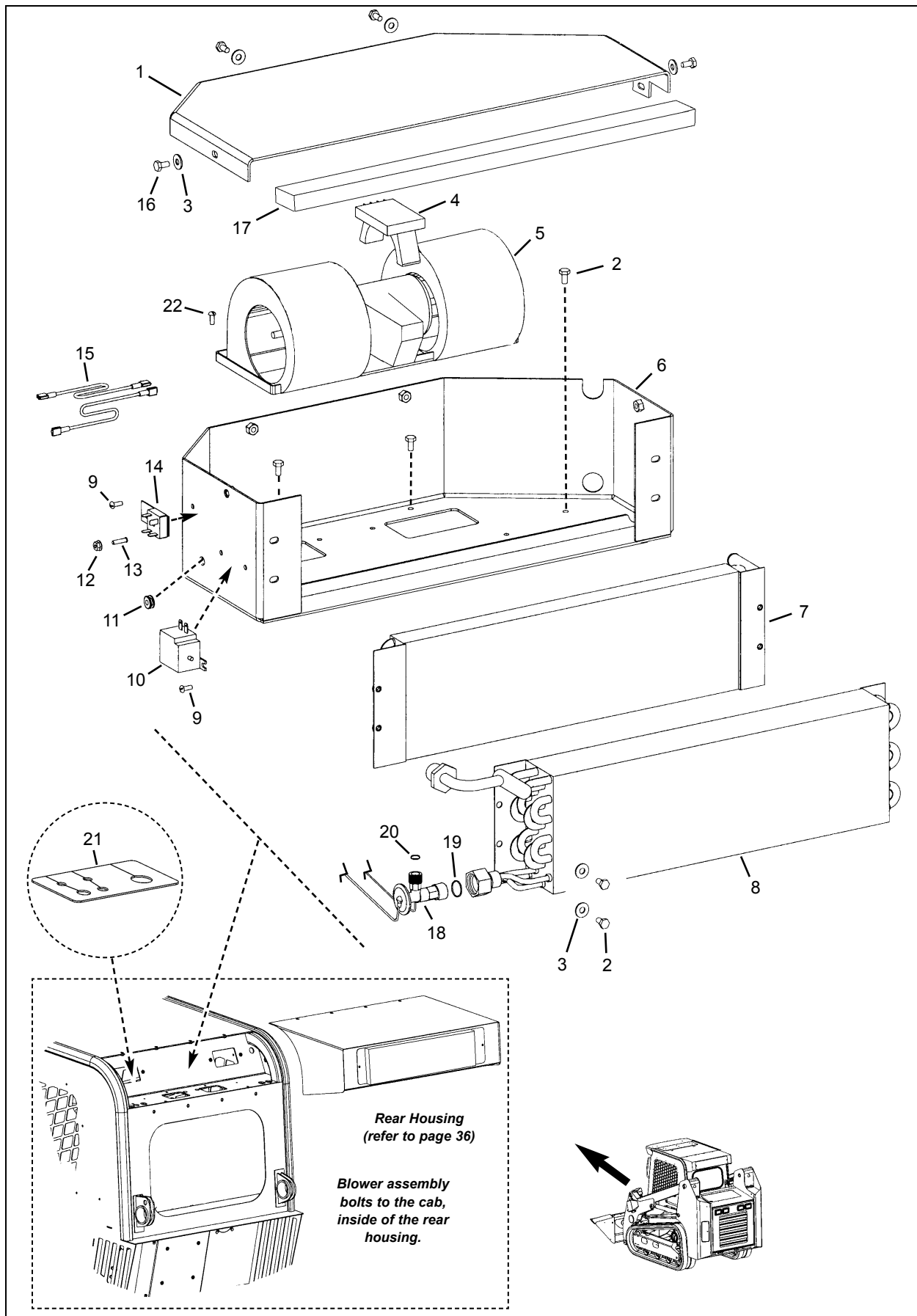
Item No.	Part No.	Description	Qty.
14	50300587	HOSE, HEATER 5/8" x 57" **	1
15	067180	GROMMET, 0.88 IDX1.25 SPLIT	4
- - ITEMS NOT SHOWN - -			
--	272546	GUARD, WIRE SPRING (used where hoses #4 and #5 enter heater housing assembly)	2

* Early units used one length of hose (item 5 only, no item 14); later units used two hoses (item 5 and 14), a hose coupler (item 13), and two hose clamps (item 4) for easier hose installation. Early units can be converted to later style by ordering item 5 —PN 50300588, items 13 and 14, and two each of item 4.

** Later units use two heater hoses (items 5 and 14), a coupler (item 13), and two clamps (item 4) in place of the early style one length (81") heater hose.

RT210 - CAB

HEATER / AIR CONDITIONING BLOWER — (OPTION)



RT210 - CAB

HEATER / AIR CONDITIONING BLOWER — (OPTION)

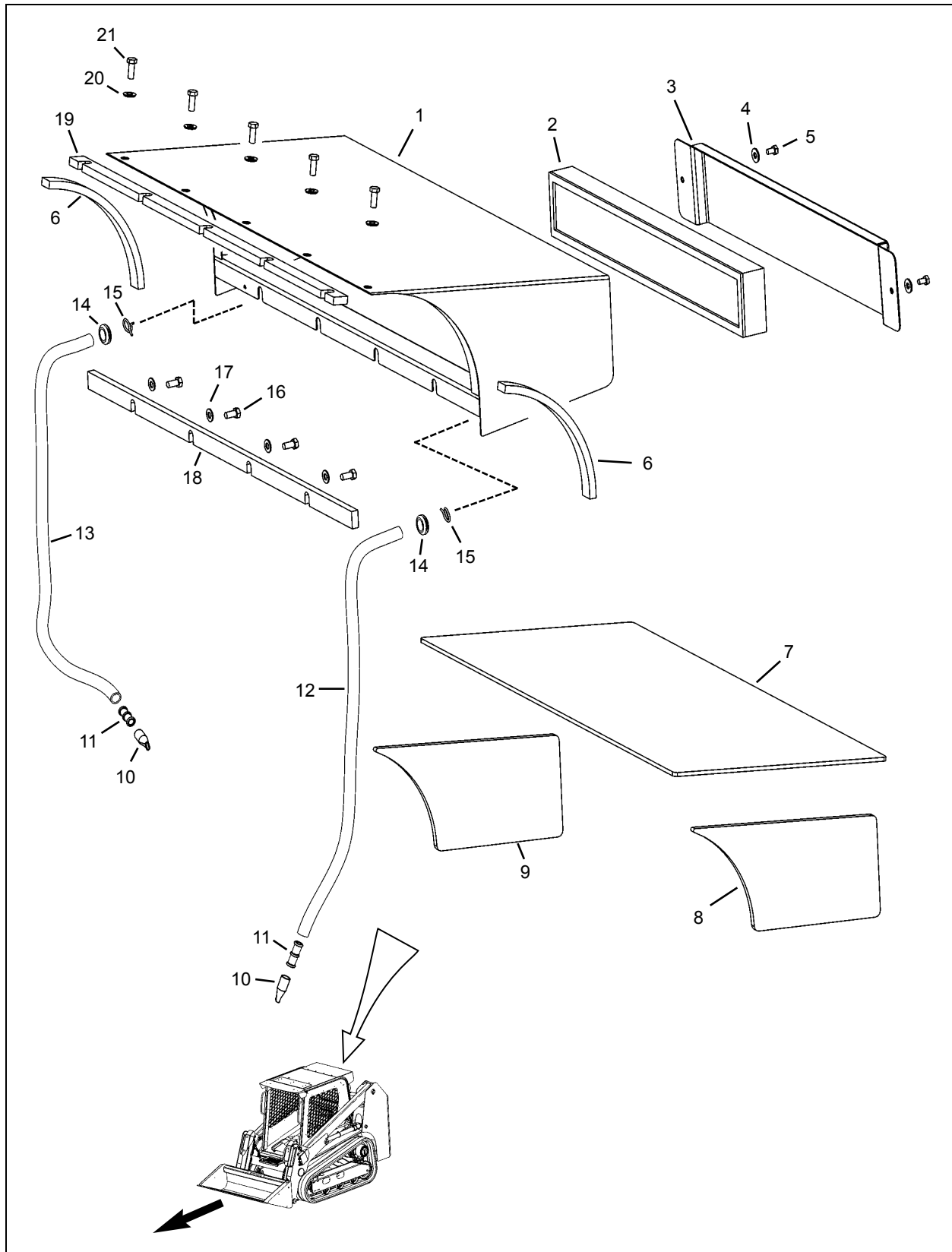
Item			Item		
No.	Part No.	Description	No.	Part No.	Description
		Qty.			Qty.
01	275597	COVER	13	137793	STUD, CLINCHING #10-24 **
02	650542	CS 1/4 x 1/2 C5ZY	14	186936	RECTIFIER PACK, W/LEADS
03	654002	FW 1/4 AWZY			(includes items 12-15)
04	194981	BLOWER SPEED CONTROLLER	15	NSS	WIRE LEADS, SET **
05	186151	BLOWER ASSEMBLY	16	650663	CS 1/4 x 5/8 C5ZY
06	274886	WELDMENT, BLOWER BOX	17	275609	SEAL, FOAM
07	271864	HEATER CORE	18	L500403	EXPANSION VALVE
08	271868	EVAPORATOR *	19	L500664	O-RING, #8
09	650548	RHMS SLT #1024 x 1/2 CZY	20	138777	O-RING, AC #6 FITTING
10	138623	SWITCH, PRESET COLD CONTROL *1	21	50300901	GASKET, RUBBER (A/C-Heater)
11	420-36134	GROMMET, 0.38ID 0.125GW 0.62GD	22	651195	SHCS HS #10-24 x 1/2" C
12	137797	HN SERR FLANGE #10-24 **		651203	LN #10-24 CBZY (not shown)
		1			4

* Used on machines equipped with air conditioning.

** Included with item #14.

RT210 - CAB

REAR CAB - HVAC COVER



RT210 - CAB

REAR CAB - HVAC COVER

Item No.	Part No.	Description	Qty.
01		WELDMENT, REAR BILL *	1
	50303655	<i>Refer to the illustration below</i>	
	50301820	<i>Refer to the illustration below</i>	
02	195660	FILTER, FRESH AIR	1
03	275598	COVER, FRESH AIR FILTER	1
04	654004	FW 5/16" AWZY	2
05	650484	CS 5/16" x 1/2" C5ZY	2
06	271627	SEAL, FOAM SIDE	2
07	275601	PAD, HOUSING TOP	1
08	275599	PAD, HOUSING LH	1
09	275600	PAD, HOUSING RH	1
10	187030	DRIP CAP **	2
11	244815	HOSE, MENDER 1/2" HOSE **	2
12	50303658	HOSE/HVAC DRAIN 0.5 X 30 IN. **	1
13	50303658	HOSE/HVAC DRAIN 0.5 X 30 IN. **	1
14	50303692	GROMMET, .75ID .125GW 1.0GD **	2

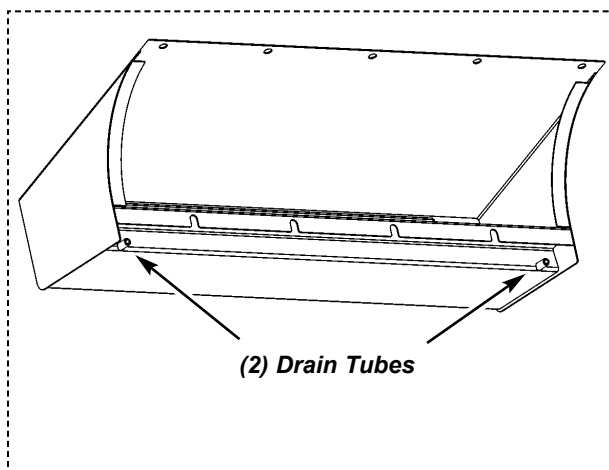
Item No.	Part No.	Description	Qty.
15	245235	CLAMP/HOSE WIRE .75 OD **	2
16	650488	CS 3/8" x 3/4" C5ZY	4
17	65049	FW 3/8" ANZY	4
18	274788	SEAL, FOAM	1
19	50301824	SEAL, FOAM TOP	1
20	135270	WASHER, SEALING 3/8"	5
21	650490	CS 3/8" x 1" C5ZY	5

*

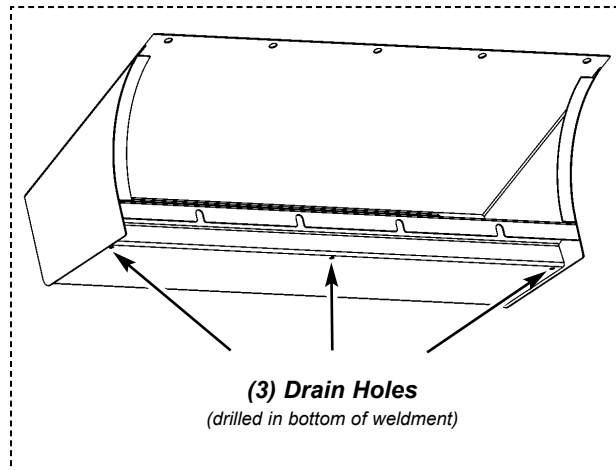


IMPORTANT: When ordering a replacement rear bill weldment be sure to determine which one to order. Earlier units use weldment PN 50301820, which has three drain holes drilled into the bottom plate. Later units use weldment PN 50303655, which has two drain tubes that use items 10-14, and item 18.

** Not used with earlier rear bill weldment 50301820.



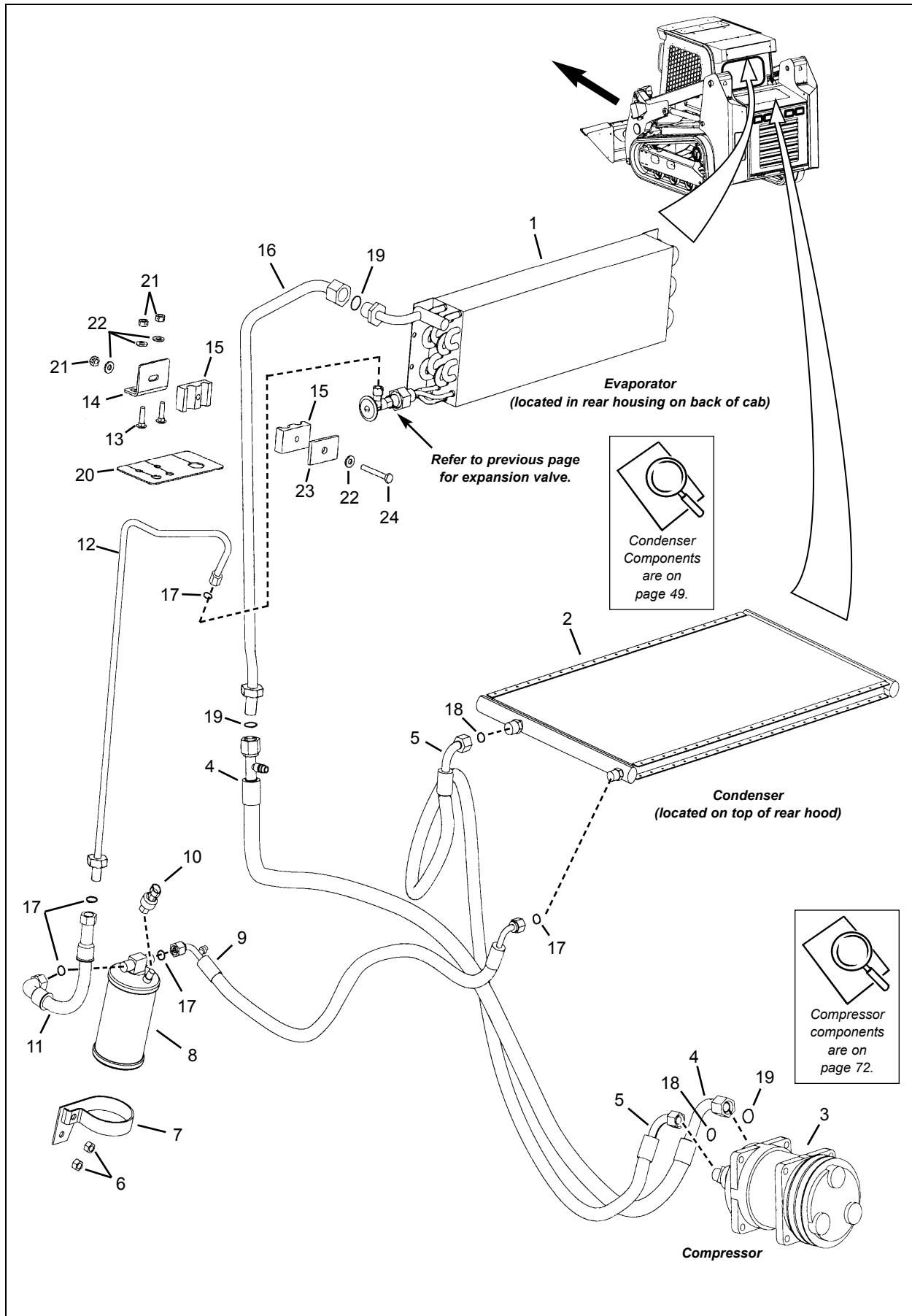
50303655



50301820

RT210 - CAB

AIR CONDITIONING CIRCUIT — (OPTION)



RT210 - CAB

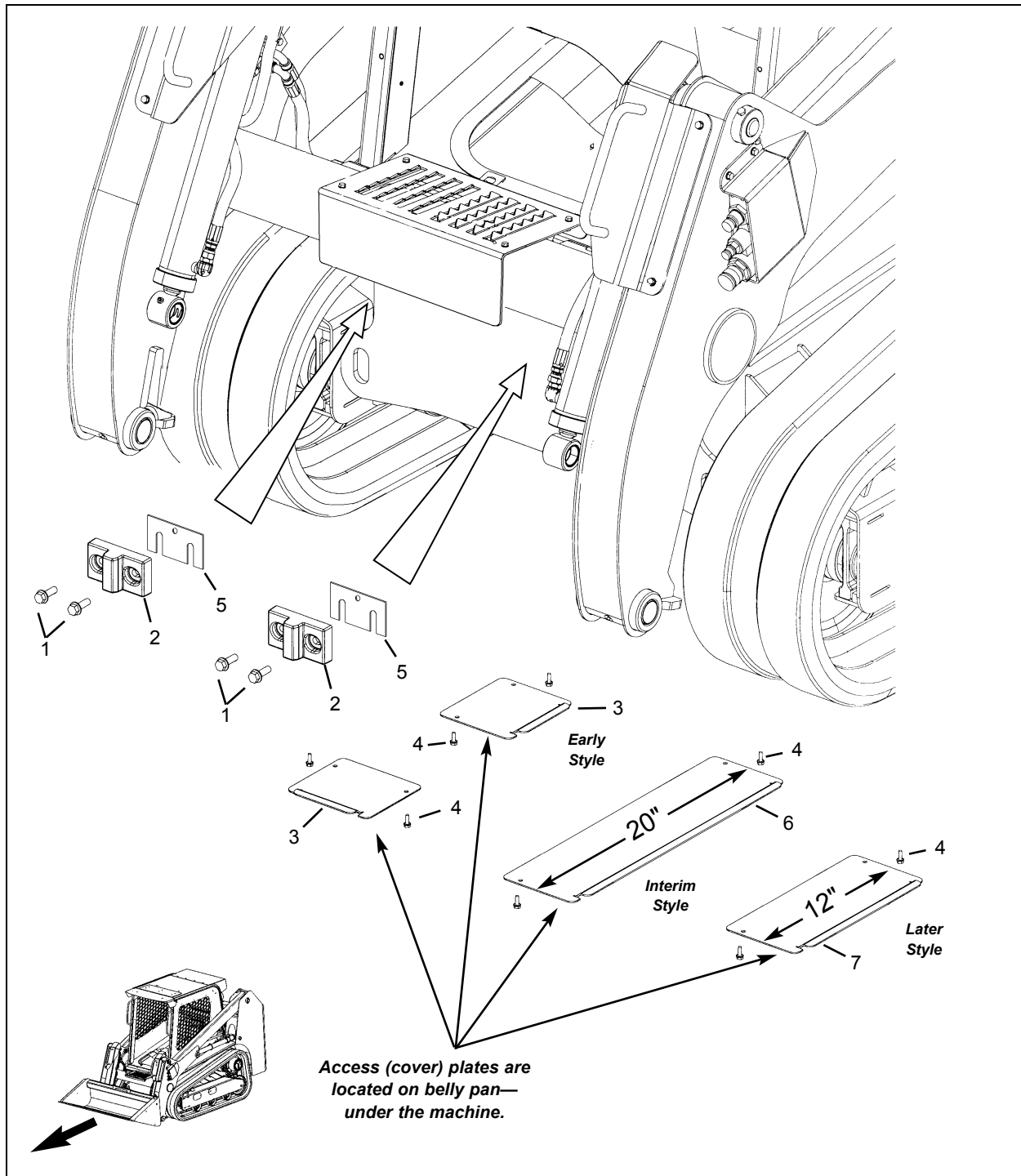
AIR CONDITIONING CIRCUIT — (OPTION)

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	271868	EVAPORATOR	1	13	651086	CB 1/4 " x 1" C5ZY *	2
02	L500595	CONDENSER	1	14	275228	BRACKET, CLAMP MOUNT	1
03	140614	COMPRESSOR, A/C	1	15	243033	CLAMP, TUBE 0.62"/0.50" TWIN	2
04	271452	HOSE, A/C #10	1	16	275225	TUBE, A/C #10	1
05	271392	HOSE, A/C #8	1	17	138777	O-RING, AC #6 FITTING	AR
06	071703	LN CTR 3/8 CBZY	2	18	138778	O-RING, AC #8 FITTING	AR
07	138651	CLAMP, RECEIVER DRIER	1	19	138779	O-RING, AC #10 FITTING	AR
08	138649	RECEIVER DRIER, A/C	1	20	50300901	SEAL, CAB	1
09	50300592	HOSE, A/C #6 x 36"	1	21	071700	LN 1/4" CBZY	3
10	138714	SWITCH, BINARY A/C	1	22	650863	FW 1/4" ANZY	4
11	272053	HOSE, A/C #6	1	23	079098	PLATE, TOP SIZE 2 - TWIN	1
12	275226	TUBE, A/C #6	1	24	650706	CS 1/4" x 2" C5ZY	1

* Used on earlier machines.

RT210 - CHASSIS

FRAME - FRONT / UNDER

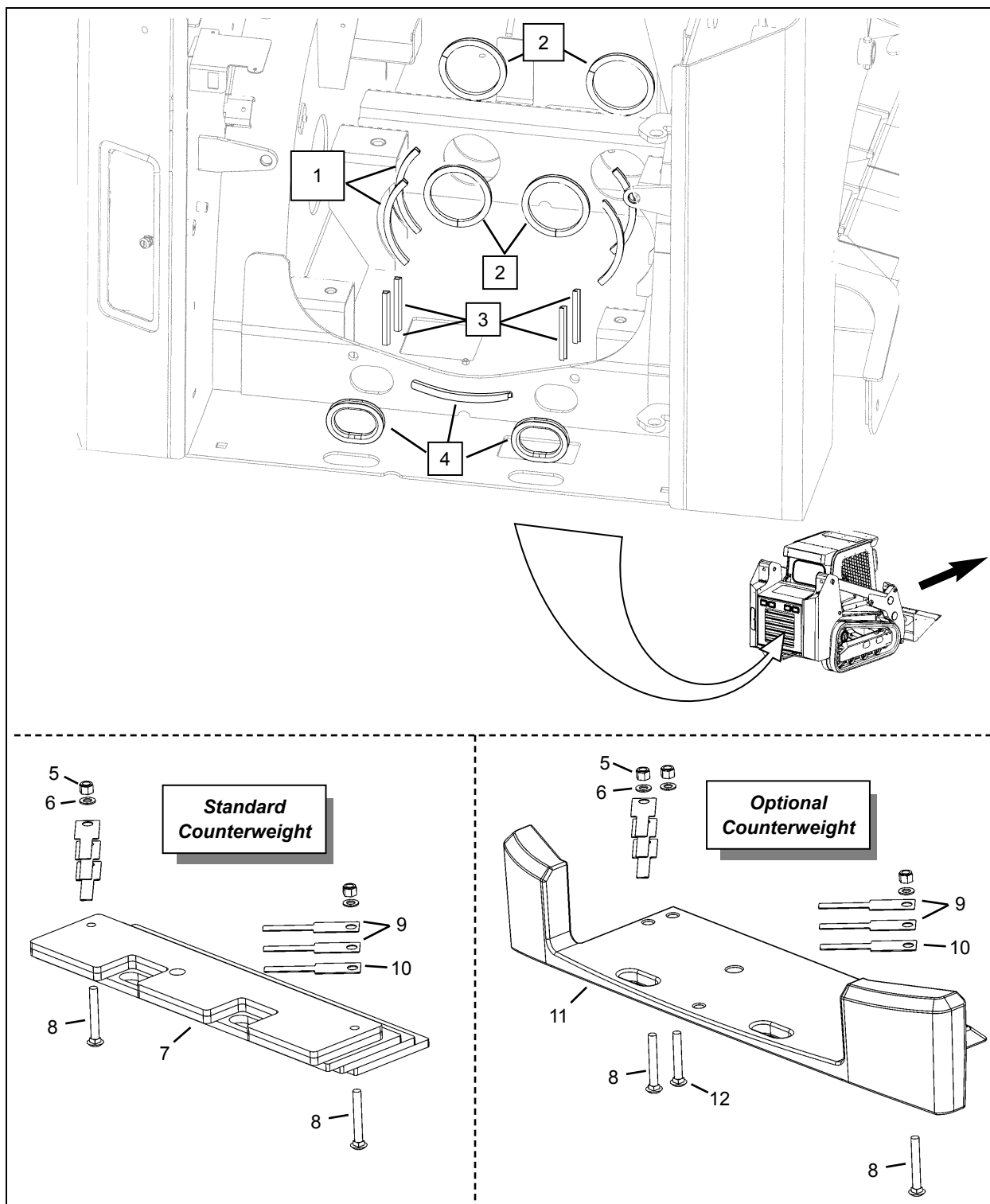


Item No.	Part No.	Description	Qty.
01	50300569	CS FL LOCK 1/2" x 2" C8OCG SP	4
02	273567	BLOCK, LIFT CYLINDER STOP	2
03	271222	PLATE, COVER *	AR
04	072916	CS FL LOCK 1/4" x 3/4" C5ZY	AR

Item No.	Part No.	Description	Qty.
05	50300666	SHIM	AR
06	50300619	PLATE, COVER * (20.0 IN. LONG)	1
07	50302358	PLATE, COVER * (12.0 IN. LONG)	1

* Early units used two P/N 271222 cover plates (item 3); interim units used one P/N 271222 (item 3) and one P/N 50300619 (item 6), and later units use one P/N 271222 (item 3) and one P/N 50302358 (item 7).

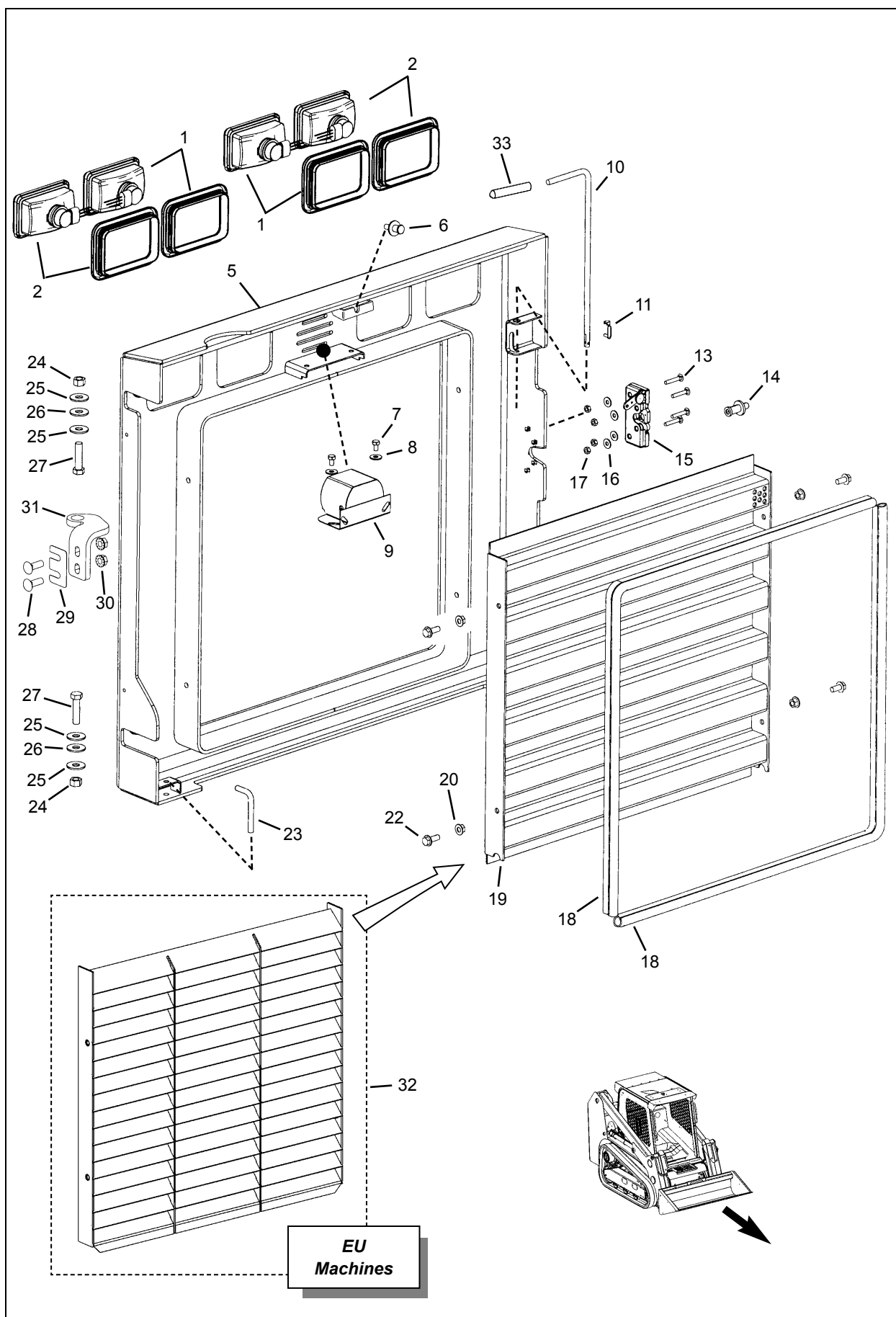
RT210 - CHASSIS COUNTERWEIGHTS / CENTER FRAME



Item No.	Part No.	Description	Qty.
01	50300235	EDGE TRIM 0.25-0.50 x 7.75 IN.	2
02	50300234	EDGE TRIM, 0.25-0.50 x 14.4 IN.	4
03	50300380	TRIM EDGE 0.25-0.50 x 6 IN.	4
04	50300092	EDGE TRIM, 0.25-.050 x 9.50	3
05	079209	HLN 3/4 CZY	AR
06	651564	FW 3/4 HT ZY	AR

Item No.	Part No.	Description	Qty.
07	274804	COUNTERWEIGHT (<i>standard</i>)	1
08	651808	CB SN 3/4 x 5-1/2 C5ZY	2
09	50300687	SHIM (0.0598)	AR
10	50300686	SHIM (0.1046)	AR
11	50300815	COUNTERWEIGHT (<i>option</i>)	1
12	651763	CB 3/4 x 5 C5ZY	1

RT210 - CHASSIS REAR DOOR



RT210 - CHASSIS

REAR DOOR

Item No.	Part No.	Description	Qty.
01	271718	LIGHTS, WORK (<i>clear lens</i>)	2
	122488	BULB, 12V-38WATT (<i>GE862</i>) (<i>Work light includes bezel and bulb</i>)	AR
02	271541	LIGHTS, TAIL (<i>red lens</i>)	2
	NSS	BULB, 12V-27WATT (<i>GE3157</i>) (<i>Tail light includes bezel and bulb</i>)	AR
05	272746	DOOR, REAR	1
06	104416	STRIKER	1
	071703	LN 3/8" CBZY (<i>not shown</i>)	1
07	650484	CS 5/16" x 1/2" C5ZY	2
08	654004	FW 5/16"	2
09	135727	BACK-UP ALARM	1
10	272750	HANDLE, REAR DOOR	1
11	272972	CLIP	1
13	137959	CB 1/4" x 1-1/4" CBC	4
14	272822	STRIKER	1
15	271024	LATCH, REAR DOOR	1
16	654002	FW 1/4" AWZY	4
17	071700	LN 1/4" CBZY	4
18	275325	BULBSEAL, CLIP-ON 1/4" x 52.3"	2
19	272770	GRILLE, REAR DOOR *	1
20	210-19533	HN FL CLOC 3/8"	4

Item No.	Part No.	Description	Qty.
22	076589	CS FL LOCK 3/8" x 1" C5ZY	4
23	273217	ROD, DOOR STOP	1
	273228	3/8" RETAINING RING (<i>not shown</i>)	1
24	071706	LN 1/2" CBZY	2
25	654009	FW 1/2" C5ZY	4
26	274717	FW 1-1/8 PLASTIC	2
27	650585	HN 1/2" C2ZY	2
28	650834	CB 1/2" x 1-1/2" CBC	2
29	275174	SHIM, 0.1345"	AR
	275175	SHIM, 0.1046"	AR
	275176	SHIM, 0.0598"	AR
	275177	SHIM, 0.0359"	AR
30	081374	HN FL SLOC 1/2" CZY	2
31	275135	BRACKET, REAR DOOR (<i>hinge</i>)	1
32	50300658	GRILLE, REAR DOOR (<i>EU</i>) **	1
33	50303838	SLEEVE, PLASTIC (<i>protects handle</i>)	1

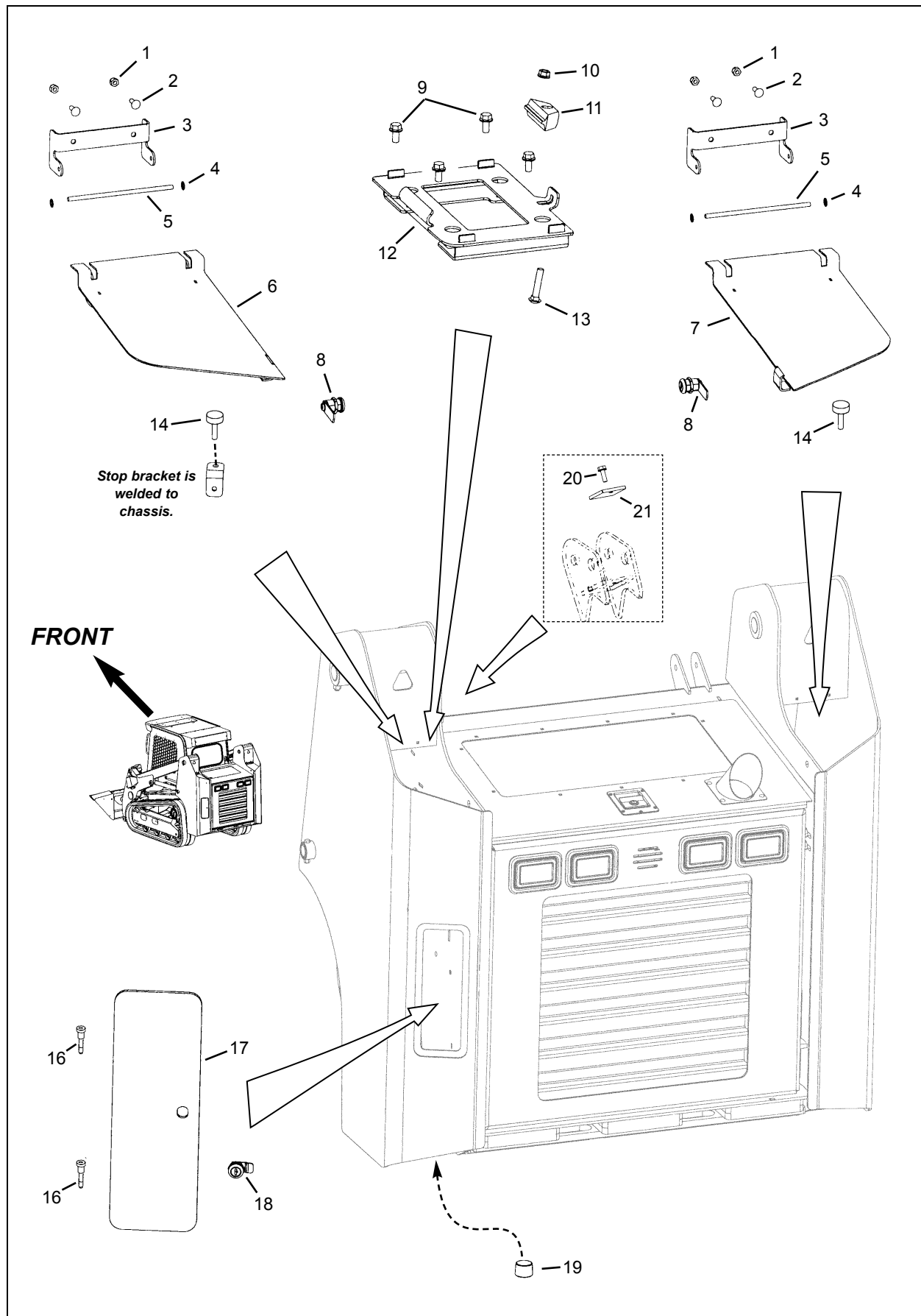
-- (ITEMS NOT SHOWN) --

--	275078	WIRE HARNESS, REAR DOOR	1
--	273369	CABLE, TIE 0.20" x 8.0"	8

* Not used on EU machines.

** Used on EU machines.

RT210 - CHASSIS REAR ACCESS DOORS



RT210 - CHASSIS REAR ACCESS DOORS

Item No.	Part No.	Description	Qty.
01	071401	HLN INST 1/4" CZY	4
02	650758	CB 1/4" x 3/4" C5ZY	4
03	274343	BRACKET	2
04	272543	KEEPER, 0.5" SHAFT	4
05	272542	BAR, PIVOT - 0.5" DIAMETER	2
	274870	SASH CHAIN <i>(not shown)</i> *	2
	274655	PIN, CLEVIS W/RING <i>(not shown)</i> *	2
06	274346	WELDMENT, TOWER DOOR-LEFT	1
07	274347	WELDMENT, TOWER DOOR-RIGHT	1
08	273576	CAM LOCK **	2
09	076588	CS FL LOCK 3/8" x 3/4" C5ZY	4
11	201000	HOLDER, BATTERY	1
12	273871	WELDMENT, BATTERY BRACKET	1
13	652053	CB 3/8" x 2" C5ZY	1
14	131913	BUMPER	2
	653034	HJN 5/16 C2ZY <i>(not shown)</i>	2
	064260	HLN INST 5/16 CZY <i>(not shown)</i>	2

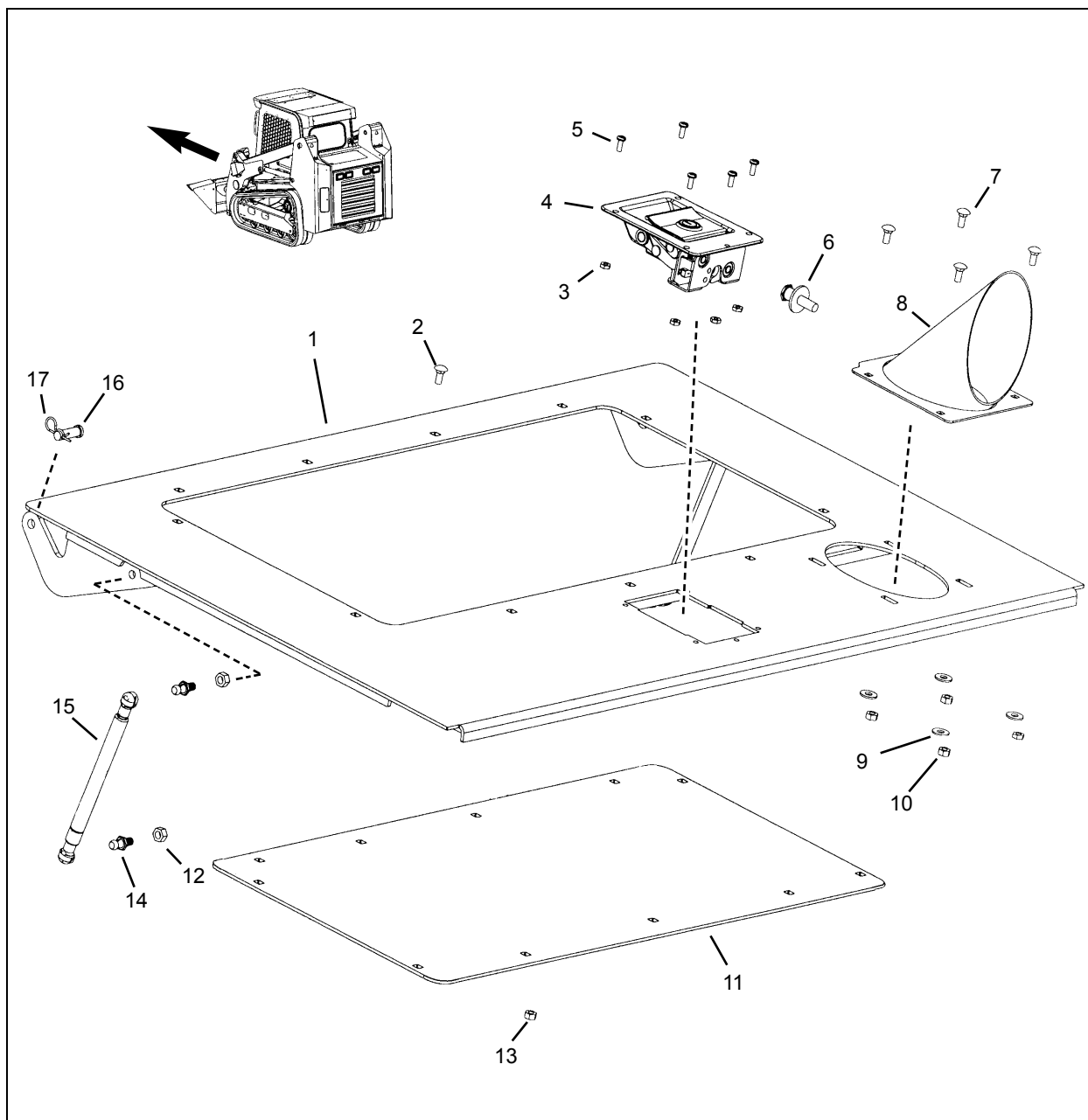
Item No.	Part No.	Description	Qty.
16	50300223	5/16" x 5/8" x 1/4" SHOULDER BOLT	2
	071401	HLN INST 1/4 C2ZY <i>(not shown)</i>	2
17	271503	WELDMENT, TOOL BOX DOOR	1
18	271869	CAMLOCK **	1
19	184670	PLUG, SQ MP12	1
20	650835	CS 1/4" x 1" C5ZY	1
	650863	FW 1/4" ANZY <i>(not shown)</i>	1
21	50300233	PLATE, DOWN STOP	4

* The sash chain holds the clevis pin (with ring) to the pivot bar. The pin is used to secure the tower door(s) in an open position.

** Replacement Keys: Early units used a different key set than later units. If the ignition key will not open this lock, order P/N L99157 (early-style lock); if, however, the ignition key opens the lock, order replacement key P/N 50280186 (late-style lock).

RT210 - CHASSIS

REAR HOOD



Item No.	Part No.	Description	Qty.
01	272772	HOOD, REAR	1
02	650969	CB SN 5/16" x 5/8" C5ZY	11
03	651203	LN #10-24 CBZY	5
04	271025	LATCH, HOOD	1
	50280186	KEY, 8001 (14603) <i>(not shown)</i>	1
05	651343	PHMS SLT #10-24 x 1/2" CBC	5
06	104416	STRIKER	1
07	650748	CB 1/4" x 5/8" C2ZY	4
08	272397	WELDMENT, EXHAUST COVER	1
09	654002	FW 1/4" AWZY	4
10	071700	LN 1/4" CBZY	4
11	272796	SCREEN *	1

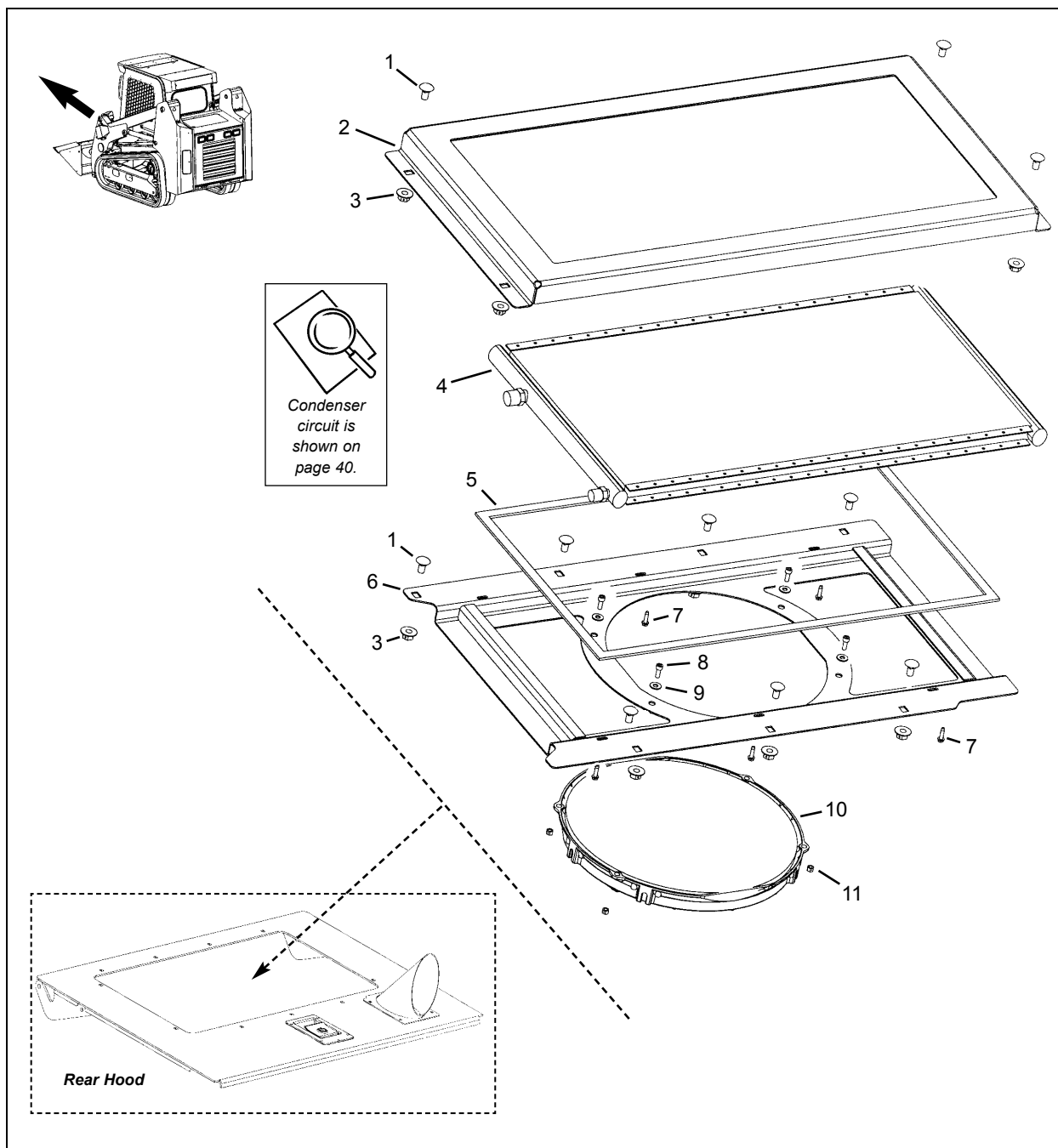
Item No.	Part No.	Description	Qty.
12	071701	LN 5/16 CBZY	AR
13	210-31017	LN FL CTR 5/16 CFZY	11
14	L69488	STUD, BALL	4
15	50300007	GAS CYLINDER <i>(standard) **</i>	2
	50300393	GAS CYLINDER <i>(A/C equipped) **</i>	2
16	005073	CLEVIS PIN 3/8 x 1-1/4	2
17	071858	COTTER, HAIRPIN 1/8 x 1-15/16	2

* Not used if the machine is equipped with air conditioning.
See facing page, if machine is equipped with air conditioning.

** Machines equipped with optional air conditioning use a stronger gas cylinder (50300393) to hold the hood up.

RT210 - CHASSIS

REAR HOOD - AIR CONDITIONING CONDENSER ASSEMBLY

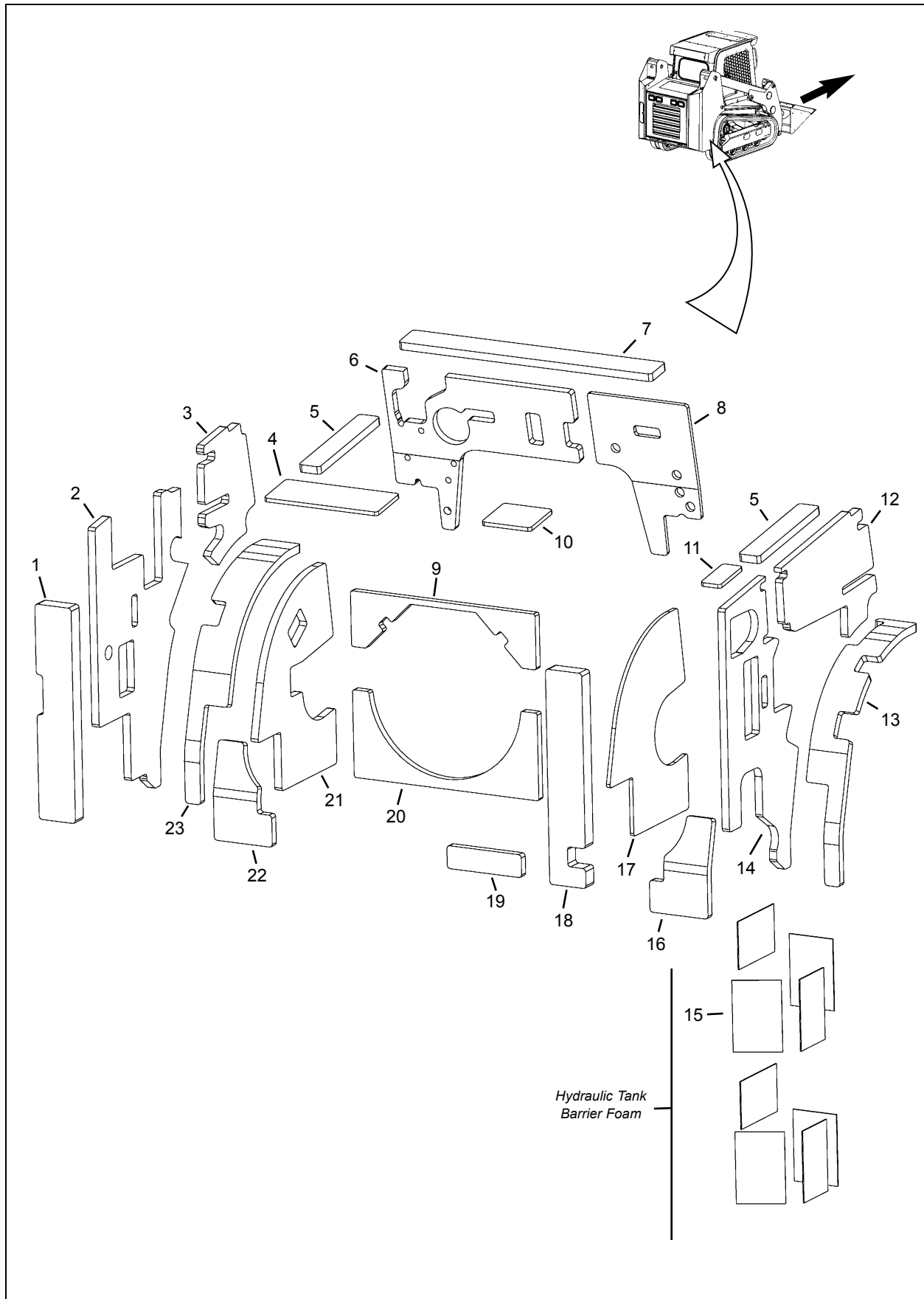


Item No.	Part No.	Description	Qty.
01	650437	CB 5/16 x 5/8 C5ZY	11
02	50300279	WELDMENT, CONDENSER COVER	1
03	210-31017	LN FL CTR 5/16 CFZY	11
04	L500595	CONDENSER COIL	1
05	272443	TAPE, FOAM SEALING	1
06	50300269	WELDMENT, CONDENSER MOUNT	1

Item No.	Part No.	Description	Qty.
07	310-32610	SCREW THWH TC USL #8-32 x 5/8	6
08	651195	SHCS HS #10-24 x 1/2 C	4
09	650580	FW 3/16 AZY	4
10	L500594	FAN, CONDENSER	1
11	651203	LN #10-24 CBZY	4

RT210 - CHASSIS

SOUND SUPPRESSING FOAM — REAR CHASSIS (*EU Machines*)



RT210 - CHASSIS

SOUND SUPPRESSING FOAM — REAR CHASSIS (*EU Machines*)

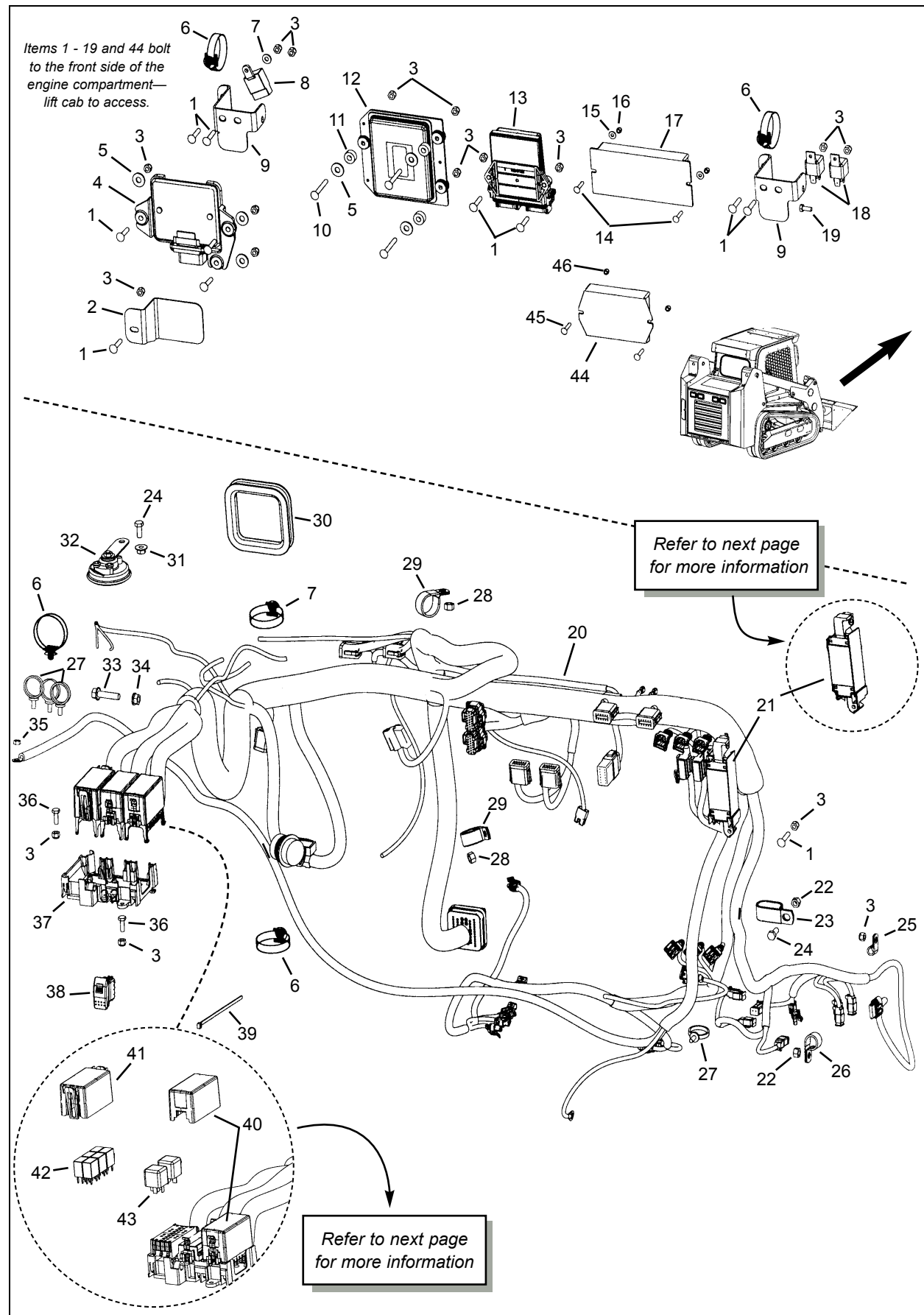
Item			
No.	Part No.	Description	Qty.
01	50301512	FOAM, REAR DOOR	1
02	50301516	FOAM, ENGINE LEFT	1
03	50301515	FOAM, ENGINE LEFT	1
04	50301229	FOAM, HOOD LEFT	1
05	50301207	FOAM, SIDE	2
06	50301196	FOAM, FIREWALL LEFT	1
07	50301199	FOAM, FIREWALL TOP	1
08	50301246	FOAM, FIREWALL RIGHT	1
09	50301584	FOAM, FAN SHROUD TOP	1
10	50301228	FOAM, HOOD CENTER	1
11	50301227	FOAM, HOOD RIGHT	1
12	50301513	FOAM, ENGINE RIGHT	1
13	50301201	FOAM, FENDER RIGHT	1
14	50301514	FOAM, ENGINE RIGHT	1

Item			
No.	Part No.	Description	Qty.
15	50301578	BARRIER, HYDRAULIC TANK	8
16	50301205	FOAM, CROSS BRACE RIGHT	1
17	50301204	FOAM, INNER FENDER	1
18	50301510	FOAM, REAR DOOR	1
19	50301203	FOAM, CROSS BRACE CENTER	1
20	50301583	FOAM, FAN SHROUD	1
21	50301264	FOAM, INNER FENDER LEFT	1
22	50301206	FOAM, CROSS BRACE LEFT	1
23	50301200	FOAM, FENDER LEFT	1



NOTE: *The sound suppressing foam is used only on EU machines.*

RT210 - ELECTRICAL CHASSIS WIRE HARNESS / COMPONENTS



RT210 - ELECTRICAL

CHASSIS WIRE HARNESS / COMPONENTS

Item No.	Part No.	Description	Qty.
01	651094	CB 1/4" x 1-1/4" C5ZY	AR
02	50300231	ECU COVER	1
03	071401	HLN INST 1/4" CZY	AR
04 ^a	186679	ECU, ENGINE	1
05	654004	FW 5/16" AWZY	AR
06	50300530	CABLE TIE AND MOUNT	5
07	650863	FW 1/4" C2ZY	AR
08	193206	RELAY-20AMP (YANMAR)	1
09	275437	BRACKET, HARNESS	2
10	652140	CB 1/4" x 2" C5ZY	3
11	122805	SPACER/BUSHING	3
12	50303584	CONTROLLER, MAESTRO II	1
13	273746	CONTROLLER, MAESTRO I	1
14	651235	CB #10-24 x 1-1/4" C2ZY	2
15	650584	FW #10 AZY	2
16	084175	HLN INST #10-24 CZY	2
17	50303821	MODULE, CONTROL INTERLOCK	1
18	242146	RELAY, (70 AMP)	2
		(refer to items 27 and 28 on next page)	
19	656149	CS M6-1x16 C8.8 ZY DIN931	1
20	275077	WIRE HARNESS, CHASSIS	1
		(includes fuse/relay boxes)	
21	275223	FUSE BOX (included with item #20)	1
	191268	COVER, MAXI FUSE BOX	1
22	071701	LN 5/16" CBZY	2
23	132940	CLAMP, HOSE 0.81"/0.47" DBL. HOLE	1
24	650486	CS 5/16" x 3/4" C5ZY	2
25	076078	CLAMP, HOSE 0.38"/0.75" HOLE	1
26	136226	CLAMP, HOSE 0.75"/0.41" HOLE	2
27	273369	CABLE TIE AND MOUNT	AR
28	653010	HN 3/8" C2ZY	2

Item No.	Part No.	Description	Qty.
29	095619	CLAMP, HOSE 1.25"/0.41" HOLE	AR
30	275535	TRIM EDGE, 0.25-0.50 x 12.75	1
31	210-31017	LN FL CTR 5/16" CFZY	1
32	183814	HORN	1
	50301379	GROUND WIRE	1
33	064422	CS FL LOCK 3/8" x 1-1/2" C5ZY *	1
34	090666	LN FL SERR 3/8" CZY **	1
35	656047	HN M6-1.00 C8 ZY DIN934	1
36	650448	CS 1/4" x 3/4" C5ZY	2
37	50300354	FUSE BOX BRACKET	1
38	273773	SWITCH, TRACK TENSION	1
39	055648	NYLON TIE 0.19 x 7.5 (black)	AR
40	272648	COVER (included with #20)	2
	272650	COVER LATCH (not shown)	AR
41	272649	COVER (included with #20)	1
	272650	COVER LATCH (not shown)	AR
42	272723	RELAY, ISO 280 (20 AMP)	AR
		(refer to items 1-6 on next page)	
43	271698	RELAY, ISO (40 AMP)	AR
		(refer to items 7 and 8 next page)	
44	273361	HIGH-FLOW CONTROLLER **	1
45	651235	CB #10-24 x 1-1/4" C2ZY	2
46	651203	LN #10-24 CBZY	2
47	191268	COVER, MAXI FUSE BOX	1
		(included with item #21)	

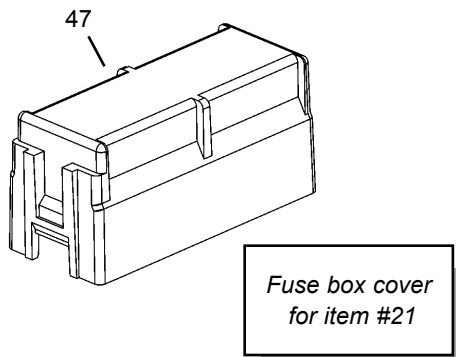
* Used to secure negative battery cable to chassis and ground cable from engine block to the chassis.

** When machine is equipped with High-Flow hydraulics.

a

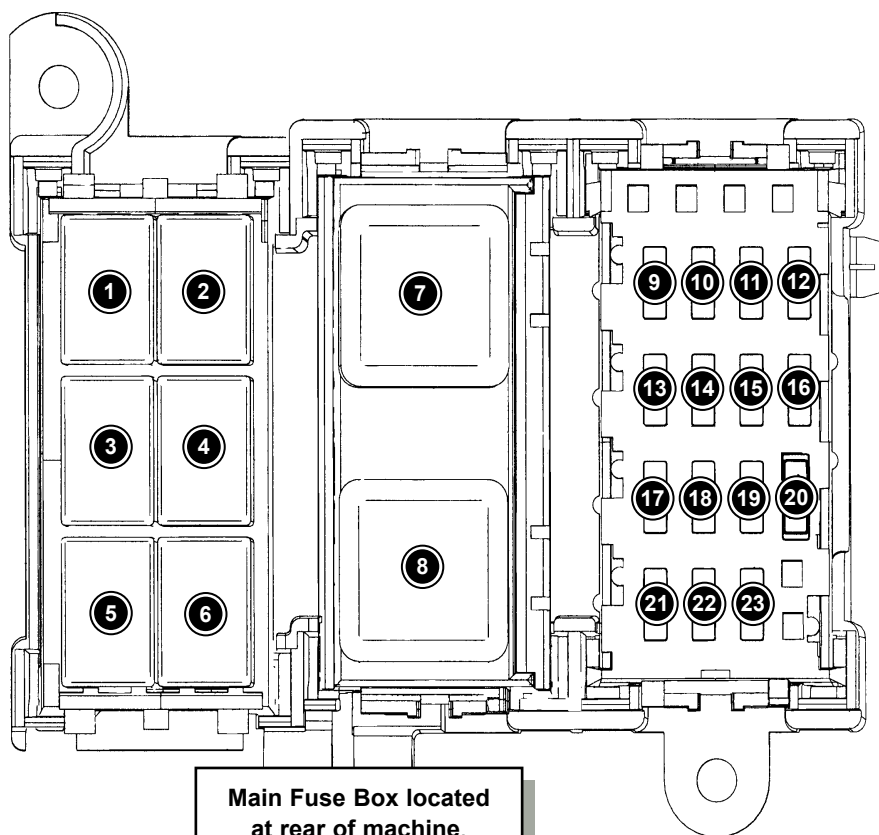


NOTE: The ECU is a special order item that requires programming. Please provide the engine model and serial number when placing an order for the ECU. Be aware that due to the programming requirements there may be a delay in obtaining this part.



RT210 - ELECTRICAL

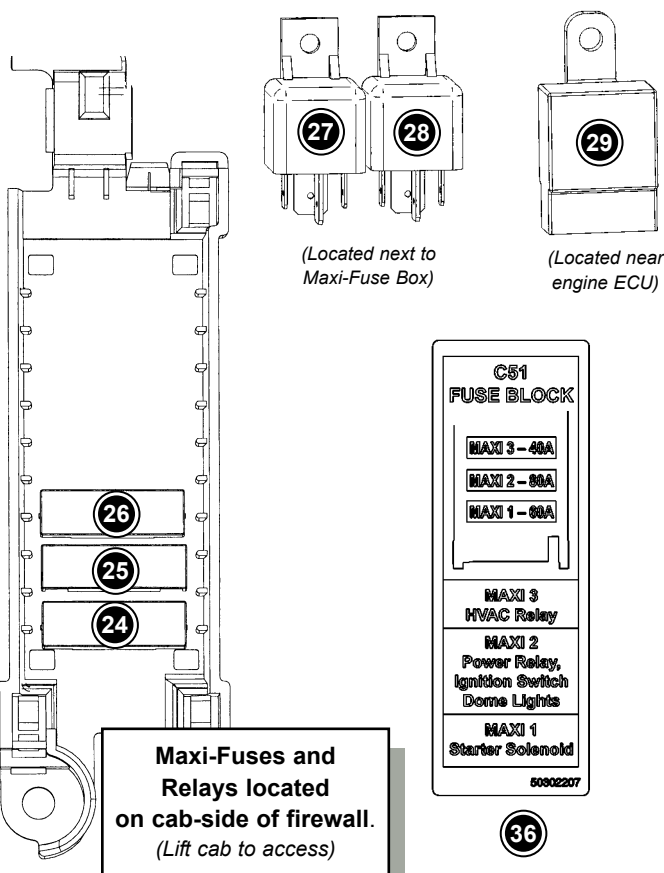
FUSE BOXES / FUSES / RELAYS



**Main Fuse Box located
at rear of machine.**
(Lift rear hood to access)

C134 - RELAY BLOCK			
R10	Water Pump		
R11	Water Pump		
R12	Water Pump		
R13	Water Pump		
R14	Water Pump		
R15	Water Pump		
R16	Water Pump		
R17	Water Pump		
R18	Water Pump		
R19	Water Pump		
R20	Water Pump		
R21	Water Pump		
R22	Water Pump		
R23	Water Pump		
R24	Water Pump		
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R92	Water Pump		
R93	Water Pump		
R94	Water Pump		
R95	Water Pump		
R96	Water Pump		
R97	Water Pump		
R98	Water Pump		
R99	Water Pump		
R100	Water Pump		

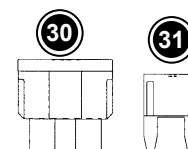
35



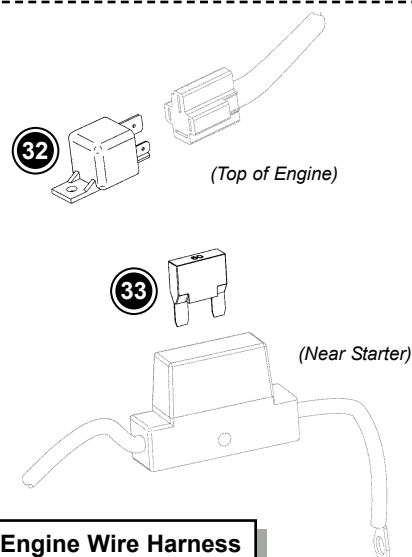
**Maxi-Fuses and
Relays located
on cab-side of firewall.**
(Lift cab to access)

C51 FUSE BLOCK	
MAXI 3 - 40A	
MAXI 2 - 80A	
MAXI 1 - 80A	
MAXI 3	HVAC Relay
MAXI 2	Power Relay, Ignition Switch Dome Lights
MAXI 1	Starter Solenoid

36



In-line Fuses



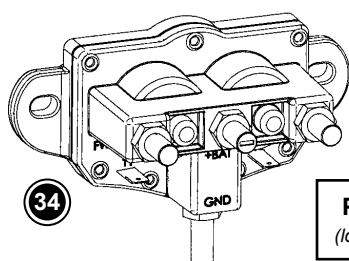
**Engine Wire Harness
Maxi Fuse and Relay**

RT210 - ELECTRICAL

FUSE BOXES / FUSES / RELAYS

Item No.	Part No.	Description	Fuse Relay	Function
01	272723	RELAY, ISO 280 (20 AMP)	R6	RACK ACTUATOR
02	272723	RELAY, ISO 280 (20 AMP)	R7	AC CONDENSER FAN
03	272723	RELAY, ISO 280 (20 AMP)	R8	WORK LIGHTS
04	272723	RELAY, ISO 280 (20 AMP)	R9	MAESTRO 2 POWER
05	272723	RELAY, ISO 280 (20 AMP)	R10	WIPER MOTORS
06	272723	RELAY, ISO 280 (20 AMP)	R11	PARK BRAKE SWITCH
07	271698	RELAY, ISO (40 AMP)	R5	HVAC RELAY
08	271698	RELAY, ISO (40 AMP)	R4	START RELAY
09	184631	MINI FUSE (10 AMP)	F1	MAIN RELAY; MAESTRO POWER RELAY; MAESTRO 2 CONTROLLER
10	184631	MINI FUSE (10 AMP)	F2	MARLIN I/O; PARK BRAKE RELAY
11	103099	MINI FUSE (15 AMP)	F3	MAESTRO 1; HIGH-FLOW CONTROLLER
12	184631	MINI FUSE (10 AMP)	F4	POWER-A-TACH™ SWITCH
13	104769	MINI FUSE (20 AMP)	F5	HAZARD LIGHT SWITCH; FLASHER CONTROL MODULE
14	184631	MINI FUSE (10 AMP)	F6	DISPLAY; DOOR SWITCH; SEAT SWITCH; PARK BRAKE SWITCH; SEAT COMPRESSOR; JOYSTICK(S)
15	184631	MINI FUSE (10 AMP)	F7	FUEL PUMP
16	104769	MINI FUSE (20 AMP)	F8	CONDENSER RELAY
17	104769	MINI FUSE (20 AMP)	F9	WORK LIGHT SWITCH; WORK LIGHT RELAY
18	184631	MINI FUSE (10 AMP)	F10	AUXILIARY POWER OUTLETS
19	104769	MINI FUSE (20 AMP)	F11	WIPER RELAY; WIPER MOTORS
20	50220070	RESISTOR (121 ohm)	F12	OIL PRESSURE SWITCH - ECU (WARNING NOT A FUSE)
21	103099	MINI FUSE (15 AMP)	F13	TRACK TENSION SWITCH; SELF-LEVEL SWITCH
22	103099	MINI FUSE (15 AMP)	F14	HEAD LIGHT SWITCH; HEAD LIGHTS
23	184631	MINI FUSE (10 AMP)	F15	TAIL LIGHTS; BACK-UP ALARM; LICENSE LIGHTS; RADIO; STROBE LIGHT
24	L500225	MAXI FUSE (60 AMP)	MAX1	STARTER SOLENOID RELAY
25	242381	MAXI FUSE (80 AMP)	MAX2	POWER RELAY; IGNITION SWITCH; DOME LIGHT
26	275873	MAXI FUSE (40 AMP)	MAX3	HVAC RELAY
27	242146	RELAY, ISO SPST (70 AMP)	R1	POWER RELAY
28	242146	RELAY, ISO SPST (70 AMP)	R2	STARTER SOLENOID RELAY
29	193206	RELAY (20 AMP)	R3	MAIN RELAY
30	L70247	ATO/ATC FUSE (30 AMP)	F17	POWER-A-TACH™ IN-LINE / TROMBETTA RELAY <i>(located in Power-A-TACH™ Wire Harness 275687)</i>
31	50220071	MINI FUSE (3 AMP)	F16	RADIO / IN-LINE <i>(located in ROPS Wire Harness 275207)</i>
32	242146	RELAY, ISO SPST (70 AMP)	R12	AIR HEATER <i>(located in Engine Wire Harness 275151—on top of engine)</i>
33	L500225	MAXI FUSE (60 AMP)	MAX4	INLET AIR HEATER <i>(located in Engine Wire Harness 275151—near starter)</i>
34	275380	RELAY, DPDT (30 AMP)	- -	POWER-A-TACH™ <i>(located on engine-side of firewall)</i>
35	50302206	DECAL, RELAY AND FUSE BLOCK		
36	50302207	DECAL, MAXI FUSE BOX		

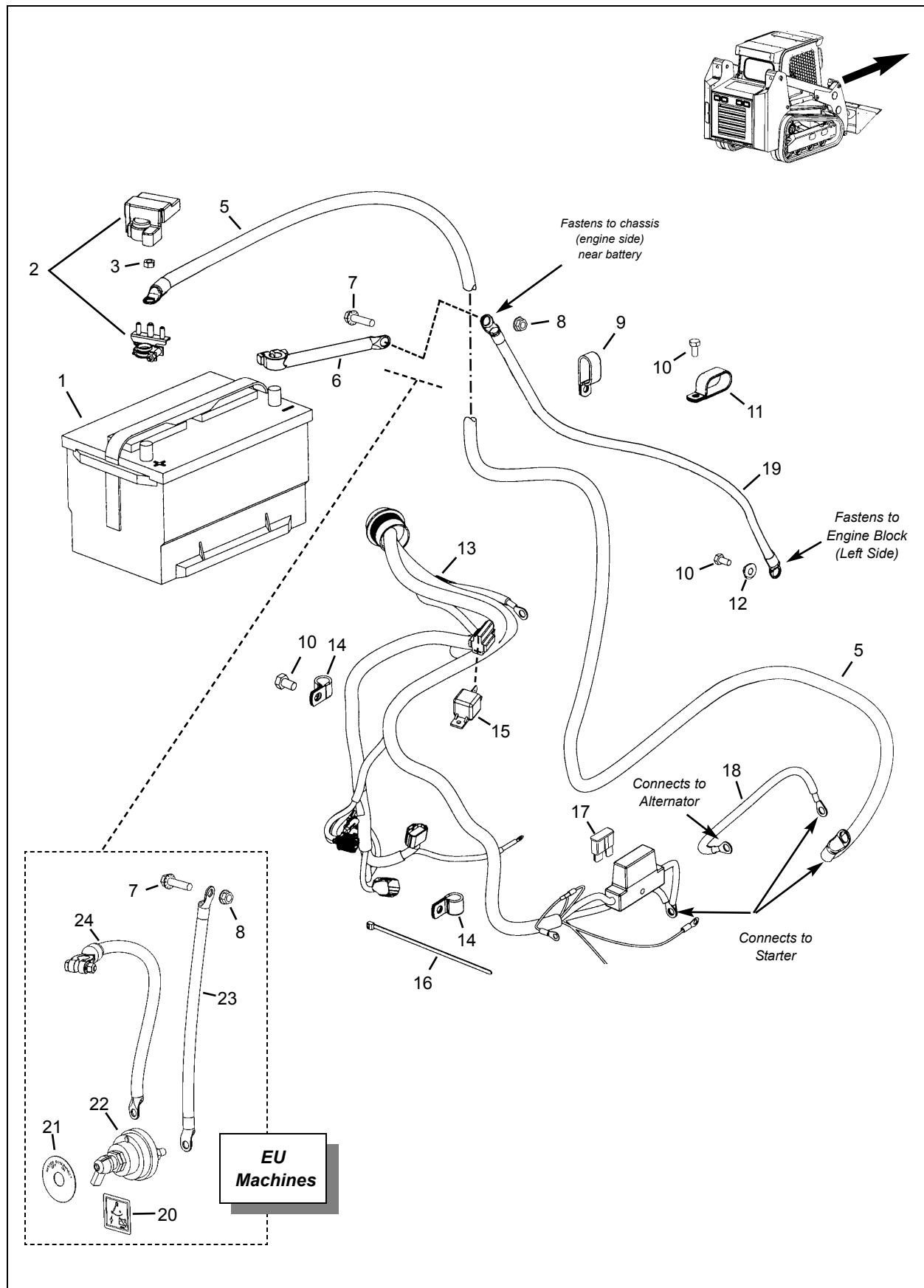
NOTE: The "FUSE/RELAY" column identifies the fuse/relay on the electrical schematic—refer to the Operator's Manual for this machine.



Power-A-Tach™ RELAY
(located on engine-side of firewall)

RT210 - ELECTRICAL

BATTERY CIRCUIT / ENGINE WIRE HARNESS



RT210 - ELECTRICAL

BATTERY CIRCUIT / ENGINE WIRE HARNESS

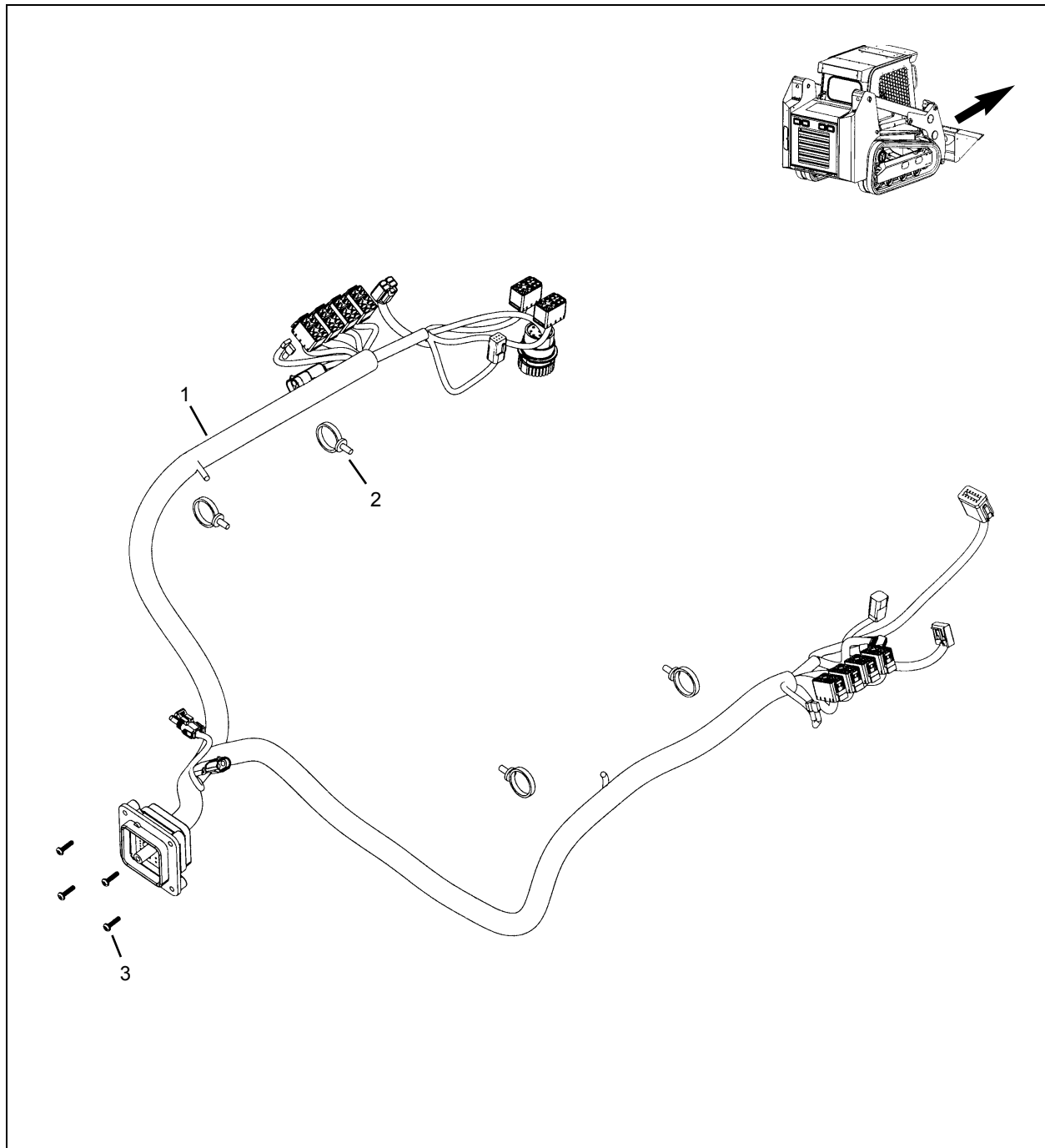
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	NSS	BATTERY, GROUP 65 (CCA 800)	1	13	275151	WIRE HARNESS, ENGINE	1
02	243319	CLAMP & COVER, BATTERY	1	14	128007	CLAMP, HOSE 0.62"/0.41" HOLE	AR
03	656048	HN M8-1.25 C8 ZY DIN934	1	15	242146	RELAY, 150 SPST/SEALED	1
05	271700	BATTERY CABLE, POSITIVE (includes item 2)	1	16	055648	TIE/CABLE 0.19 x 7.50 BLACK	AR
06	276052	BATTERY CABLE, NEGATIVE 6-1/4" * 1	1	17	L500225	MAXI FUSE, 60 AMP	1
07	064422	CS FL LOCK 3/8" x 1-1/2" C5ZY	1	18	275538	WIRE HARNESS, ALTERNATOR	1
08	090666	LN FL SERR 3.8" CZY	1	19	276047	BATTERY CABLE, NEGATIVE 47"	1
09	055021	CLAMP, HOSE 0.75"/0.41" HOLE	1	20	201232	DECAL, BATTERY DISCONNECT **	1
	071703	LN 5/6 CBZY (not shown)	1	21	091667	FACE PLATE **	1
	650704	CB 3/8x1 C5ZY (not shown)	1	22	091666	SWITCH, DISCONNECT (EU) **	1
10	656093	CS M18-1.25x16 C8.8 ZY DIN931	3	23	272943	GROUND CABLE 13-1/2" (EU) **	1
11	067849	CLAMP, 0.88"/0.41" DOUBLE	1	24	50300193	BATTERY CABLE, NEG. 15" (EU) **	1
12	654004	FW 5/16" AWZY	1				

* Not used on EU machines.

** Used on EU machines.

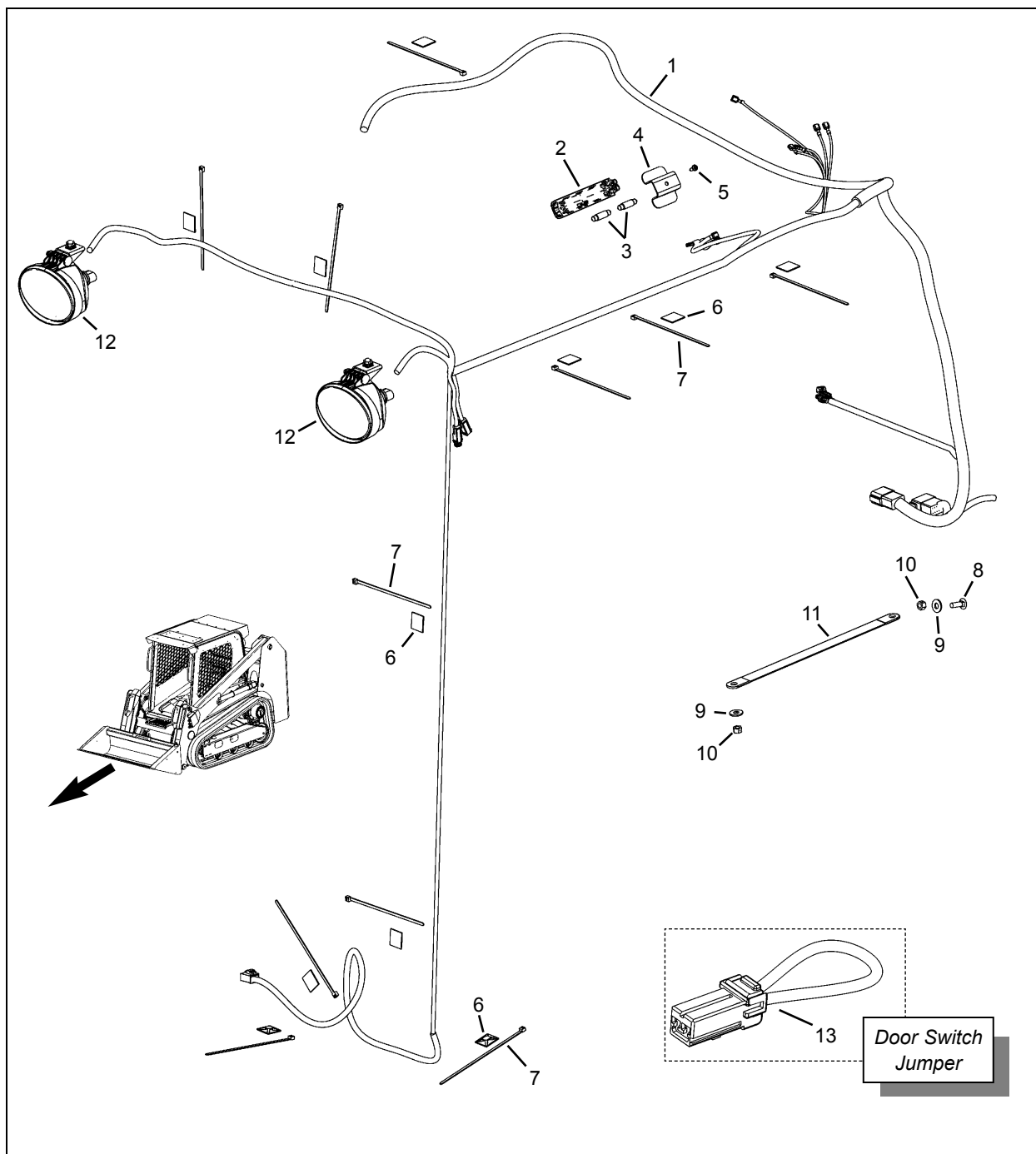
RT210 - ELECTRICAL

OPERATOR WIRE HARNESS - CAB



Item		Description	Qty.
No.	Part No.		
01	272082	WIRE HARNESS, OPERATOR	1
02	273369	TIE, HARNESS MOUNT	4
03	273071	SCREW #10-14 x 3/4" SP	4

RT210 - ELECTRICAL WORK LIGHTS CAB / ROPS WIRE HARNESS

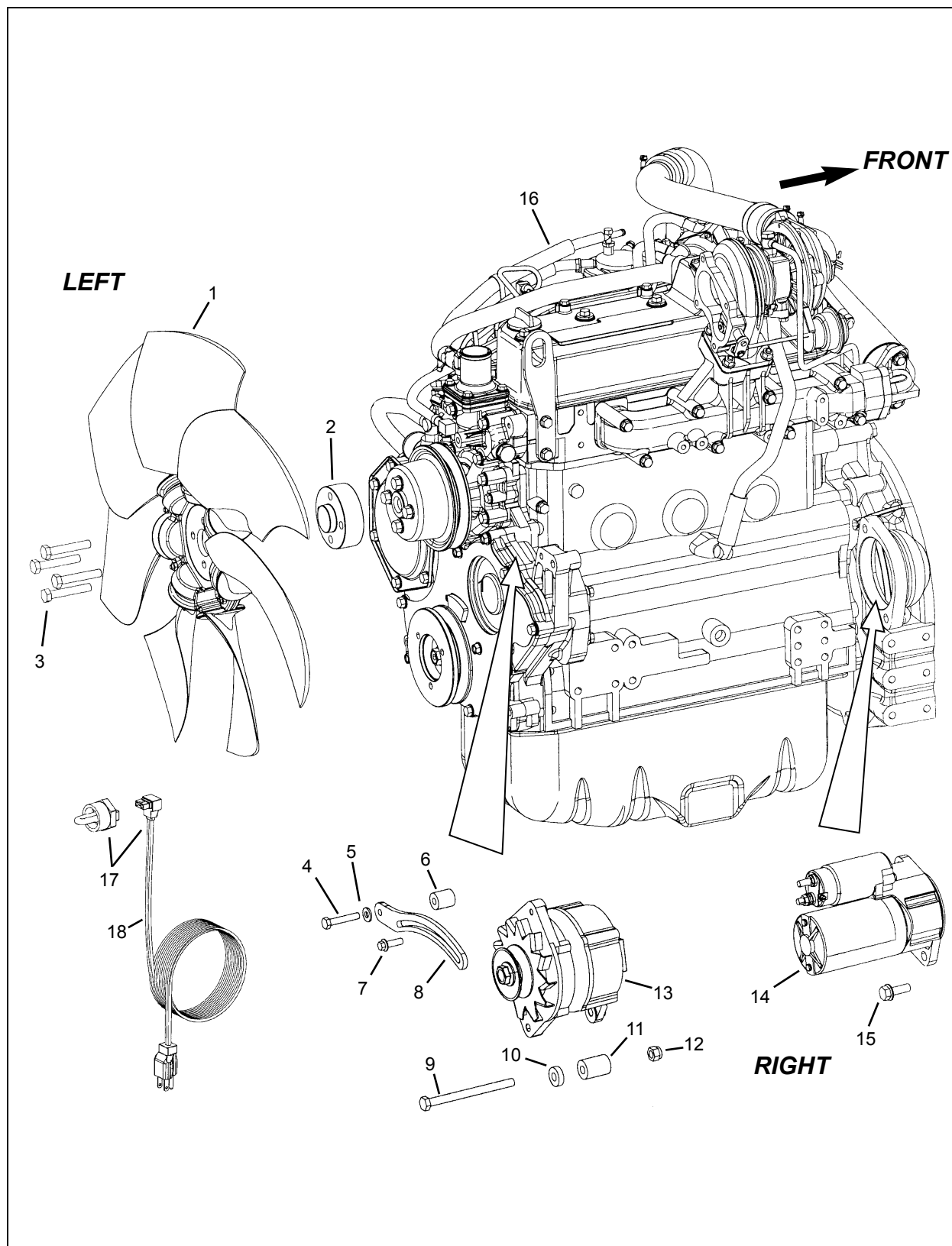


Item No.	Part No.	Description	Qty.
01	275207	WIRE HARNESS, ROPS	1
02	271756	LIGHT, DOME	1
03	275882	BULB, 12 V	2
04	50300088	BRACE, DOME LIGHT	1
05	651646	P TORX HTF #10-32 x 1/2 FBZ	1
06	273382	CABLE TIE MOUNT	11
07	055648	TIE, CABLE 0.19 x 7.50 IN. BLACK	11
08	650573	CB 5/16" x 1" C5ZY	1

Item No.	Part No.	Description	Qty.
09	654004	FW 5/16" AWZY	2
10	071701	LN 5/16 CBZY	2
11	L630004	STRAP, GROUND 4 GA. x 14"	1
12	271540	LIGHT, WORK (HEADLIGHT) BULB, 12V-50WATT (GE 885) (bulb included with work light)	2 AR
13	50301002	HARNESS, DOOR SWITCH JUMPER	1

RT210 - ENGINE

EXTERNAL COMPONENTS - RIGHT SIDE



RT210 - ENGINE EXTERNAL COMPONENTS - RIGHT SIDE

Item No.	Part No.	Description	Qty.
01		FAN, PUSHER	1
	275398	<i>Standard (22-1/4")</i>	
	242350	<i>EU Machines (20")</i>	
02	273038	SPACER, FAN	1
03	50280001	CS M10-1.5x60 C8.8 ZY SP DIN931	4
04	656154	CS M8-1.25x45 C8.8 ZY DIN931	1
05	656111	FW M8 ZY DIN125	1
06	241562	SPACER	1
07	651695	CS FL M8-1.25x25 C8.8 ZY DIN1662	1
08	193569	BRACKET, ALTERNATOR	1
09	656173	CS M10-1.5x130 C8.8 ZY DIN931	1
10	241932	SPACER	1
11	241563	SPACER	1

Item No.	Part No.	Description	Qty.
12	651448	LN INS M10-1.5 C8 ZY DIN6924	1
13	241459	ALTERNATOR, ISKRA (95 AMP.)	1
14	194316	STARTER	1
15	188748	CS M12 x 25	2
16		ENGINE, YANMAR	1
		<i>(does not include items 1 - 13)</i>	
	274745	<i>Note a — 4TNV98T-ZXNMS (T3)</i>	
	276032	<i>Note b — 4TNV98T-ZXNMS2 (iT4)</i>	
17	121480	ENGINE BLOCK HEATER (option)	1
		<i>(includes 5 ft. power cord—item #18)</i>	
18	121481	CORD, HEATER (included with #17)	1

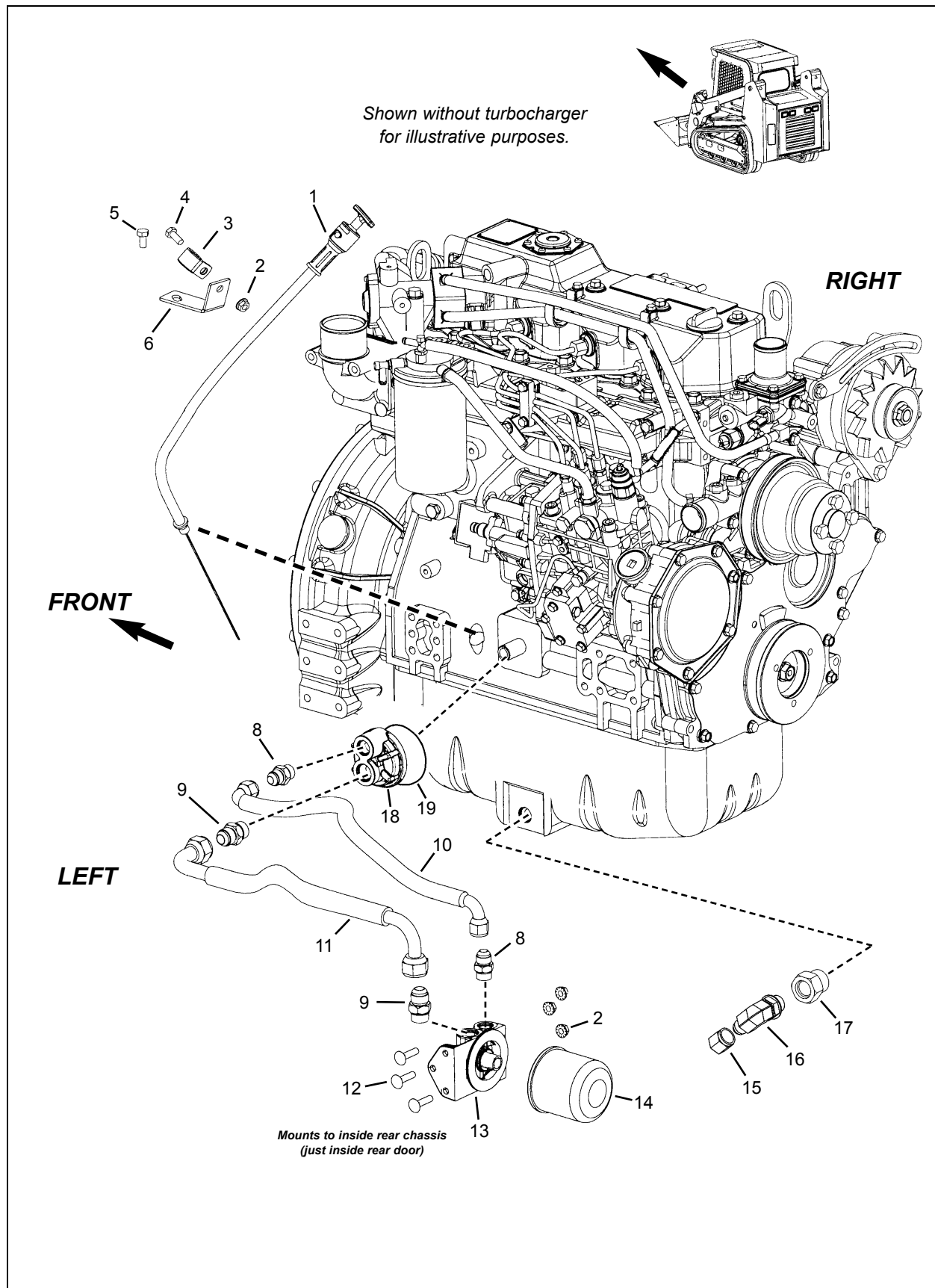
a Engine SN 21041 - 921000
b Engine SN 21040 and before



NOTE: Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

RT210 - ENGINE

EXTERNAL COMPONENTS - LEFT SIDE



RT210 - ENGINE EXTERNAL COMPONENTS - LEFT SIDE

Item No.	Part No.	Description	Qty.
01	195221	DIPSTICK ASSEMBLY <i>(includes dipstick and tube)</i>	1
02	131842	LN FL SPIRALOCK 5/16 CZY	4
03	136226	CLAMP, HOSE 0.75 x 0.41 IN.	1
04	650486	CS 5/16 x 3/4 C5ZY	1
05	656093	CS M8-1.25x16 C8.8 ZY DIN931	1
	656111	FW M8 ZY DIN125 <i>(not shown)</i>	1
06	195413	BRACKET, DIPSTICK	1
08	054626	ST MJ08-MORB08	2
09	072580	ST MJ10-MORB10	2
10	50352321	HOSE, 0.50" X 24.0"	1

Item No.	Part No.	Description	Qty.
11	50352317	HOSE, 0.63" X 24.0"	1
12	651065	CB SN 5/16 x 1 C5ZY	3
13	193971	MOUNT, FILTER	1
14	195568	FILTER, ENGINE OIL	1
15	080556	CAP FJ06 *	1
16	210450	90 MJ06-ISO6149-16 *	1
17	50303232	ST MM22-ISO6149-16 *	1
18	194068	ADAPTER, FILTER	1
19	191651	O-RING <i>(included with item #18)</i>	1

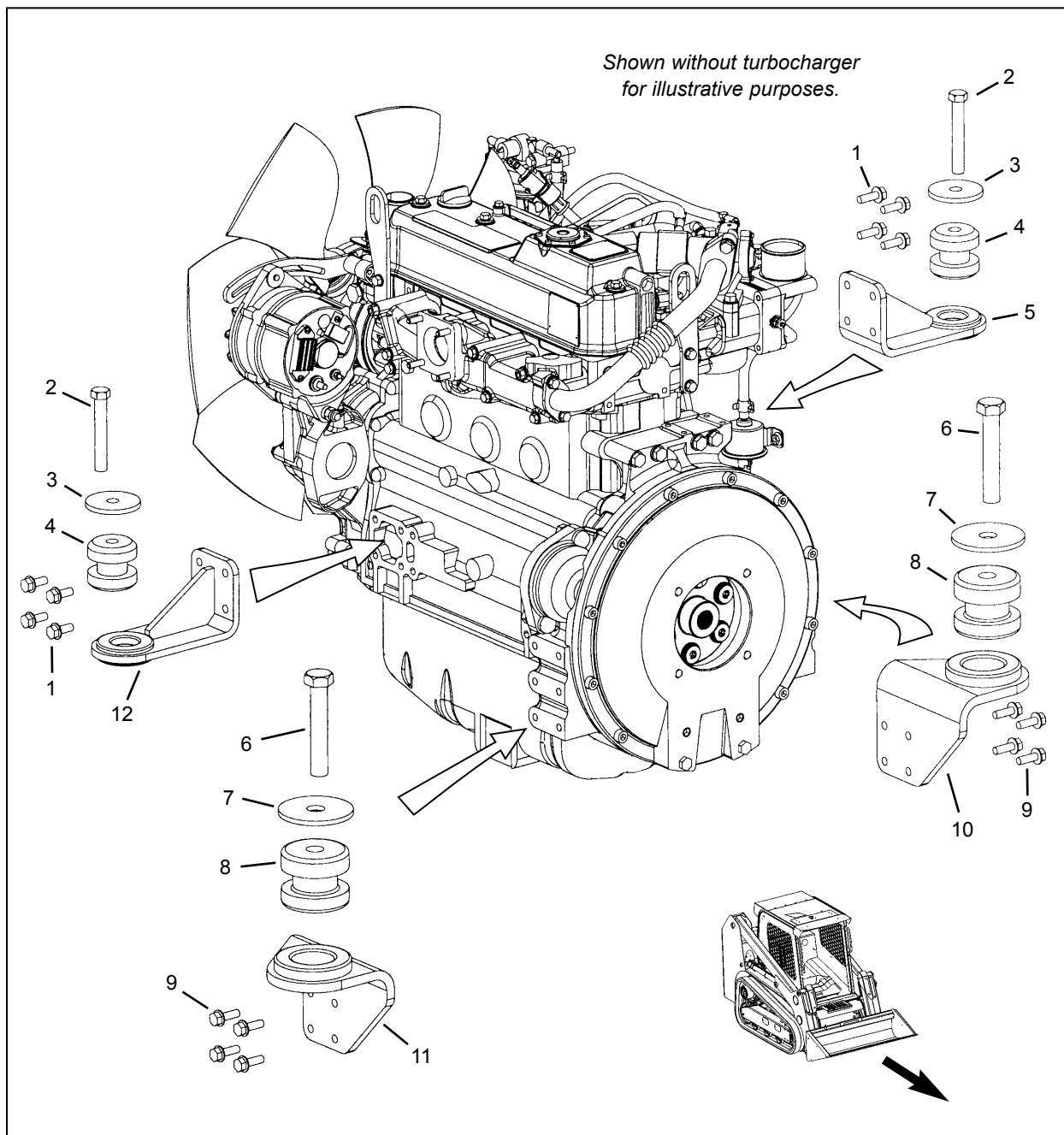
* Items 15, 16, and 17 were introduced on later units for easier access when servicing the machine. These items can be installed on earlier units if desired.



NOTE: Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

RT210 - ENGINE

EXTERNAL COMPONENTS - MOUNTS



Item No.	Part No.	Description	Qty.
01	50300069	CS FLH M10-1.5X25 C10.9ZY	8
02	271601	CS 5/8 x 4 C8ZY SP	2
03	135427	WASHER ZY	2
04	137063	ISOLATOR -11	2
05	201390	MOUNT, ENGINE (rear)	1
06	271617	CS 7.8 x 5 C8ZY SP	2
07	272537	WASHER, SNUBBING	2
08	201409	ISOLATOR, CB-22004-12	2
09	50300078	CS FLH M10-1.5x30 C10.9ZY	8
10	201382	MOUNT, ENGINE (left front)	1

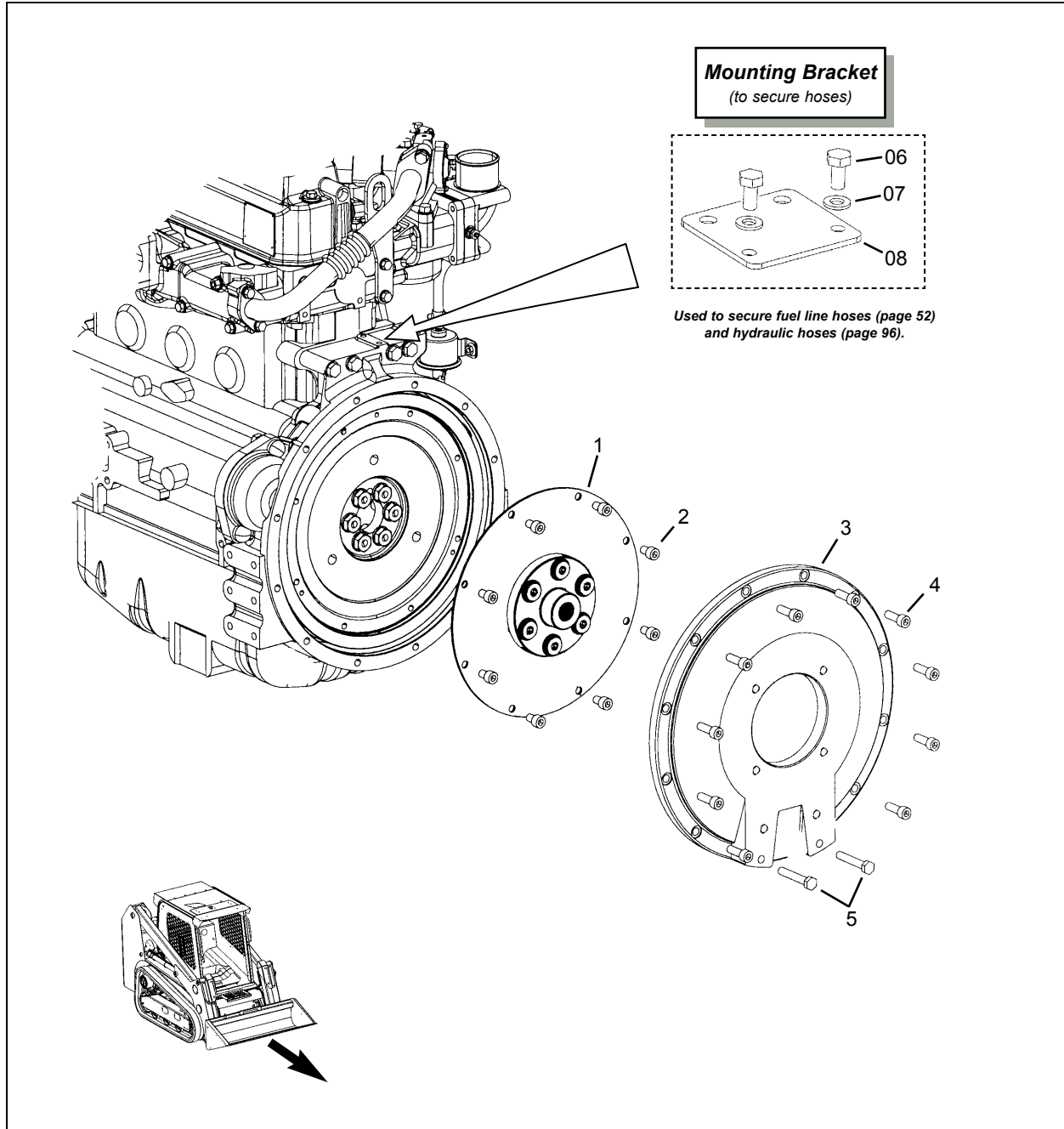
Item No.	Part No.	Description	Qty.
11	201385	MOUNT, ENGINE (right front)	1
12	201390	MOUNT, ENGINE (right rear)	1
	50301756	(Standard) Equipped with A/C - (Option) *	

* Refer to page 72 for more information regarding the engine mount, A/C compressor components and related parts.



NOTE: Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

RT210 - ENGINE EXTERNAL COMPONENTS - FLYWHEEL HOUSING



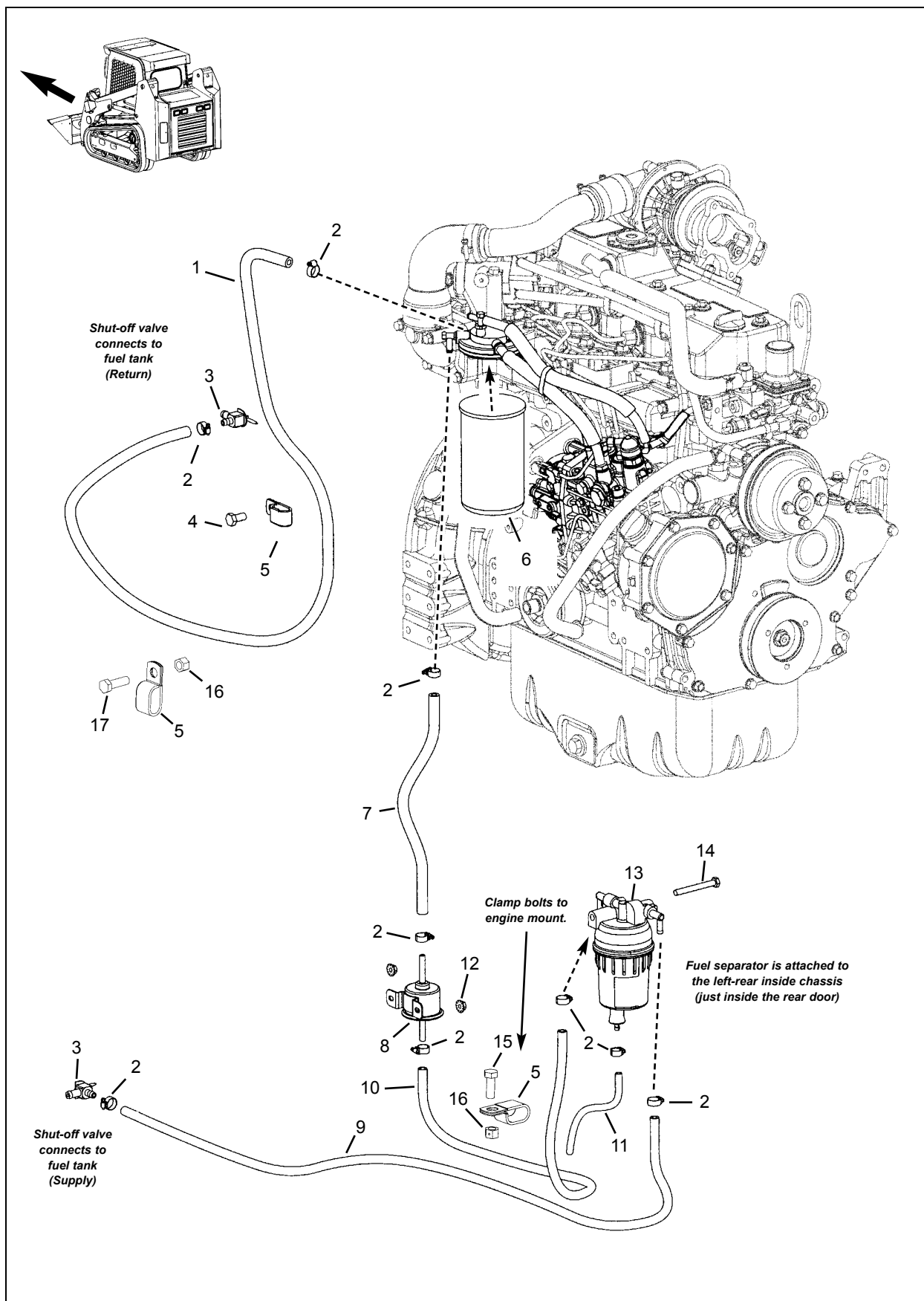
Item No.	Part No.	Description	Qty.
01	192909	COUPLER	1
02	50280003	SHCS HS M10-1.50x16 C12.9 P SP	8
03	272248	FLYWHEEL HOUSING	1
04	50280002	SHCS M10-1.5x30 C12.9 P SP	10

Item No.	Part No.	Description	Qty.
05	50280001	CS M10-1.5x60 C8.8 ZY SP DIN931	2
06	656093	CS M8-1.25x16 C8.8 ZY DIN931	2
07	656111	FW M8 ZY DIN125	2
08	50300194	PLATE, CLAMP MOUNT	1



NOTE: Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

RT210 - ENGINE FUEL CIRCUIT



RT210 - ENGINE FUEL CIRCUIT

Item No.	Part No.	Description	Qty.
01	50300046	HOSE, FUEL 0.31 x 81.0 IN. <i>(return)</i>	1
02	062023	CLAMP, HOSE #5	9
03	273850	VALVE, FUEL SHUT-OFF 90	2
04	656006	CS M10-1.5x20 C8.8 ZY DIN931	1
05	194166	CLAMP, HOSE 0.62 x 0.47 IN. DBL.	3
06	193024	FILTER, FUEL	1
07	270276	HOSE, FUEL 0.31 x 16.0 IN.	1
08	186308	PUMP, FUEL 12 VDC	1
09	50300045	HOSE, FUEL 0.31 x 78.0 IN. <i>(supply)</i>	1
10	274185	HOSE, FUEL 0.31 x 36.0 IN.	1
11	274735	HOSE, FUEL 0.25 IN.	1

Item No.	Part No.	Description	Qty.
12	070634	LN LG FL SERR 1/4 CZ	2
13	198139	SEPARATOR, FUEL <i>(assembly)</i>	1
	203822	STRAINER/ELEMENT <i>(not shown)</i>	1
14	650784	CS 5/16 x 2-3/4 C5ZY	1
15	650490	CS 3/8 x 1 C5ZY	1
16	071703	LN CTR 3/8" CBZY	2
17	650491	CS 3/8 x 1-1/4 C5ZY	1

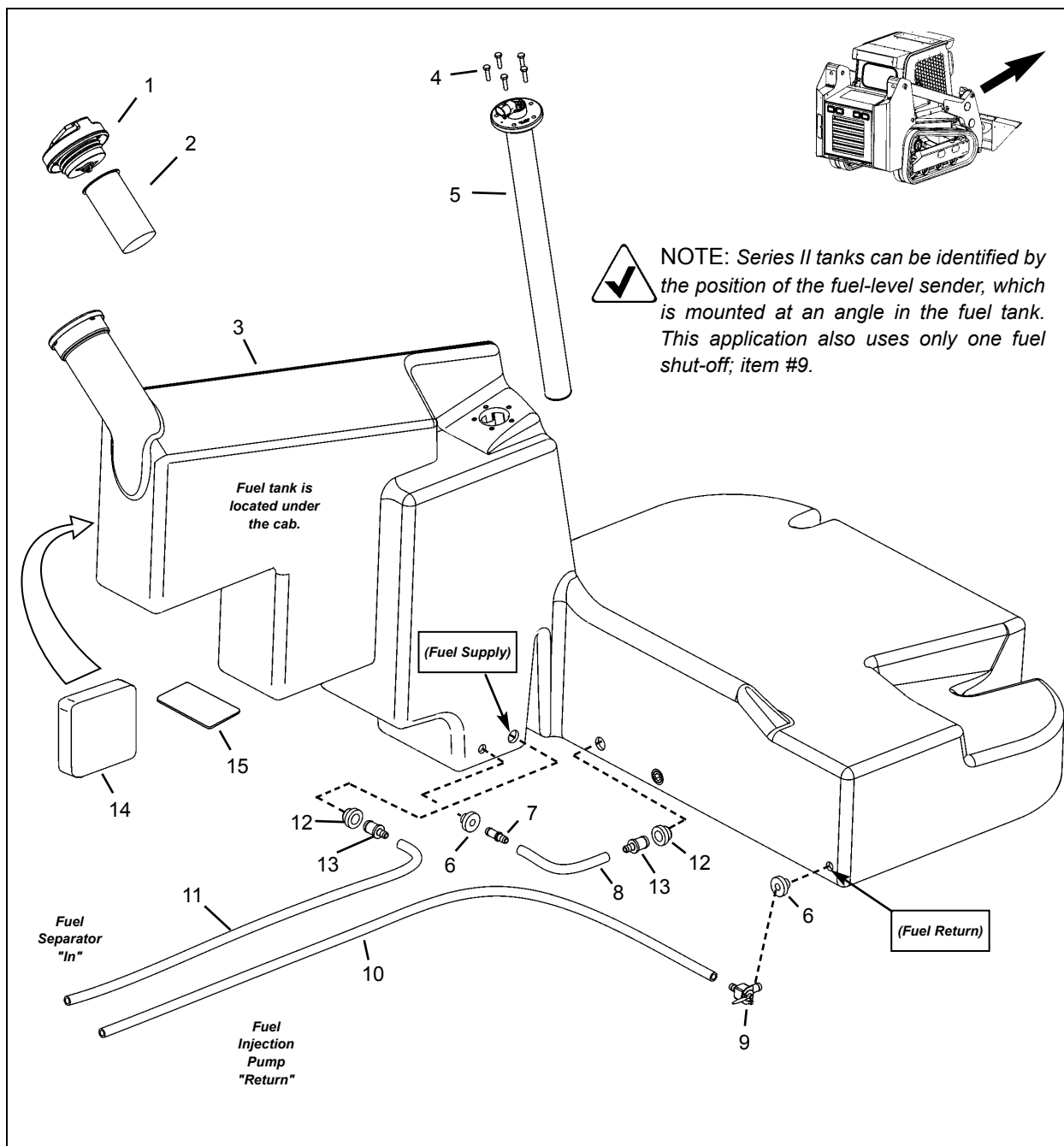


NOTE: Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

RT210 - ENGINE

FUEL TANK

(Series II)

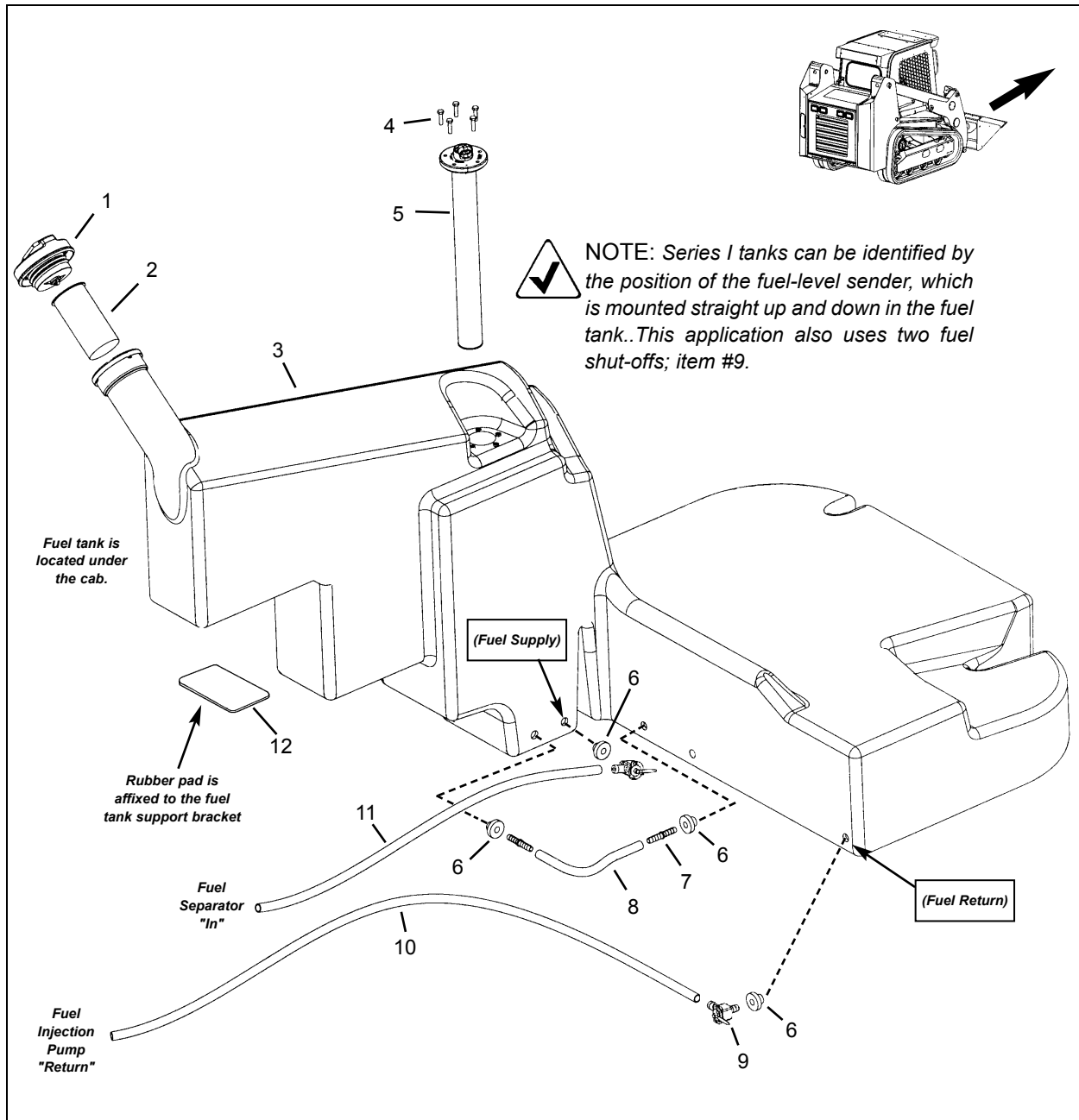


Item No.	Part No.	Description	Qty.
01	271468	CAP, FUEL (does not include key)	1
	50280186	KEY, 8001 (14603) (not shown)	1
02	272426	STRAINER, FUEL	1
03	50302508	TANK, FUEL (plastic)	1
04	651202	MS HHM USL #10-24 x 3/4" C2ZY	5
05	271459	SENDER, FUEL LEVEL *	1
06	073024	BUSHING, FUEL TANK	4
07	50302871	FITTING, HOSE ST 5/16	1
08	275958	HOSE, FUEL 0.31 x 8.50 IN.	1
09	273850	VALVE, FUEL SHUT-OFF 90	2
10	50300046	HOSE, FUEL 0.31 x 81.0 IN. (return)	1

Item No.	Part No.	Description	Qty.
	062023	CLAMP, HOSE #5 (not shown)	2
11	50300045	HOSE, FUEL 0.31 x 78.0 IN. (supply)	1
	062023	CLAMP, HOSE #5 (not shown)	2
12	50301585	BUSHING, FUEL TANK .50	2
13	50302803	FITTING, HOSE ST 1/2" x 5/16"	2
14	50303242	FOAM PAD (fuel tank anti-shift)	1
15	50302205	PAD, RUBBER	1

* Use Permatex® Blue sealant when installing the fuel sender.

RT210 - ENGINE FUEL TANK (Series I)

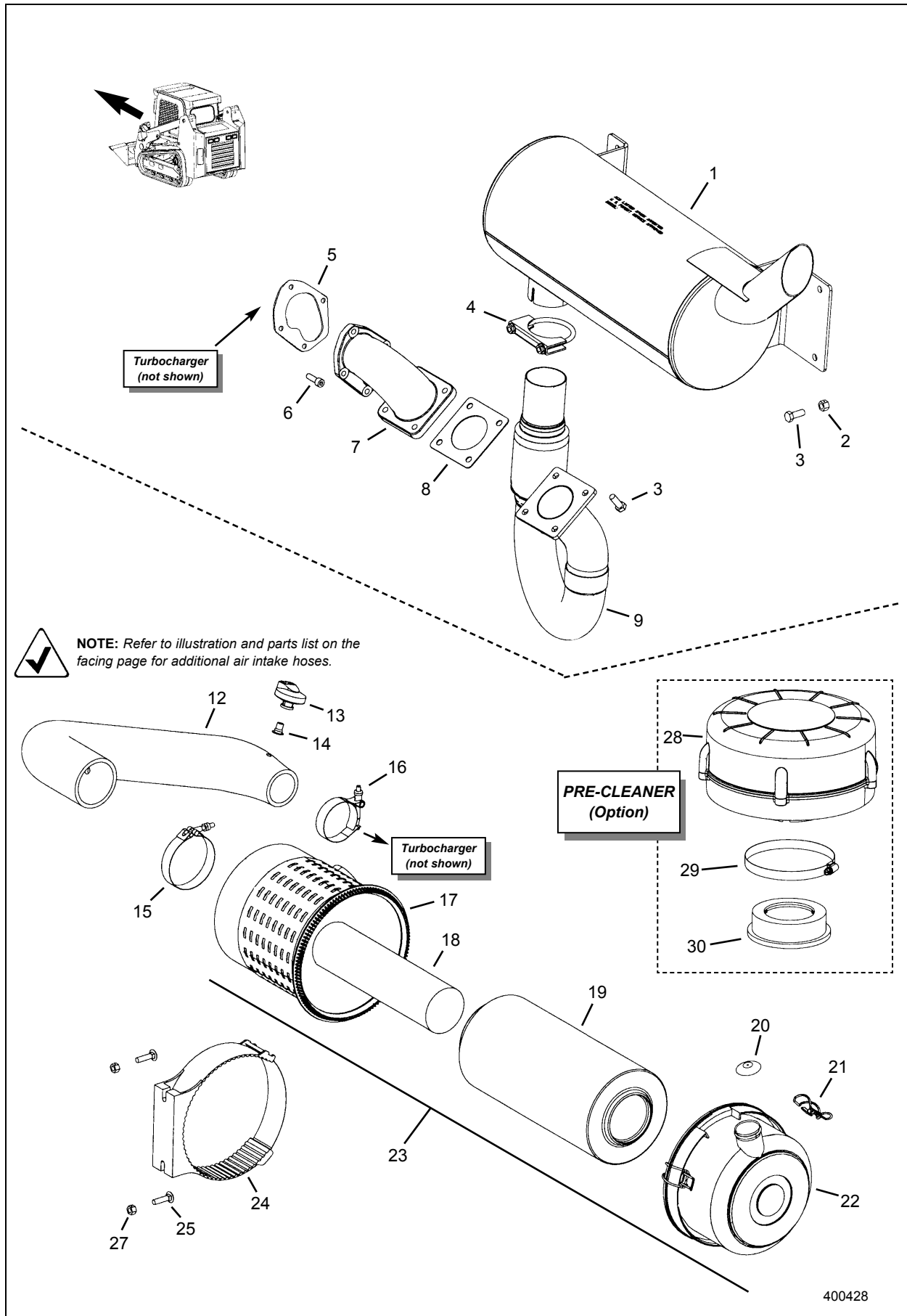


Item No.	Part No.	Description	Qty.
01	271468	CAP, FUEL (does not include key)	1
	50280186	KEY, 8001 (14603) (not shown)	1
02	272426	STRAINER, FUEL	1
03	Note a	TANK, FUEL (plastic)	1
04	651202	MS HHM USL #10-24 x 3/4" C2ZY	5
05	271459	SENDER, FUEL LEVEL	1
	50300425	GASKET, FUEL SENDER (not shown)	1
06	073024	BUSHING, FUEL TANK	4
07	275957	FITTING, HOSE 5/16	2
08	275958	HOSE, FUEL 0.31 x 8.50 IN.	1
09	273850	VALVE, FUEL SHUT-OFF 90	2

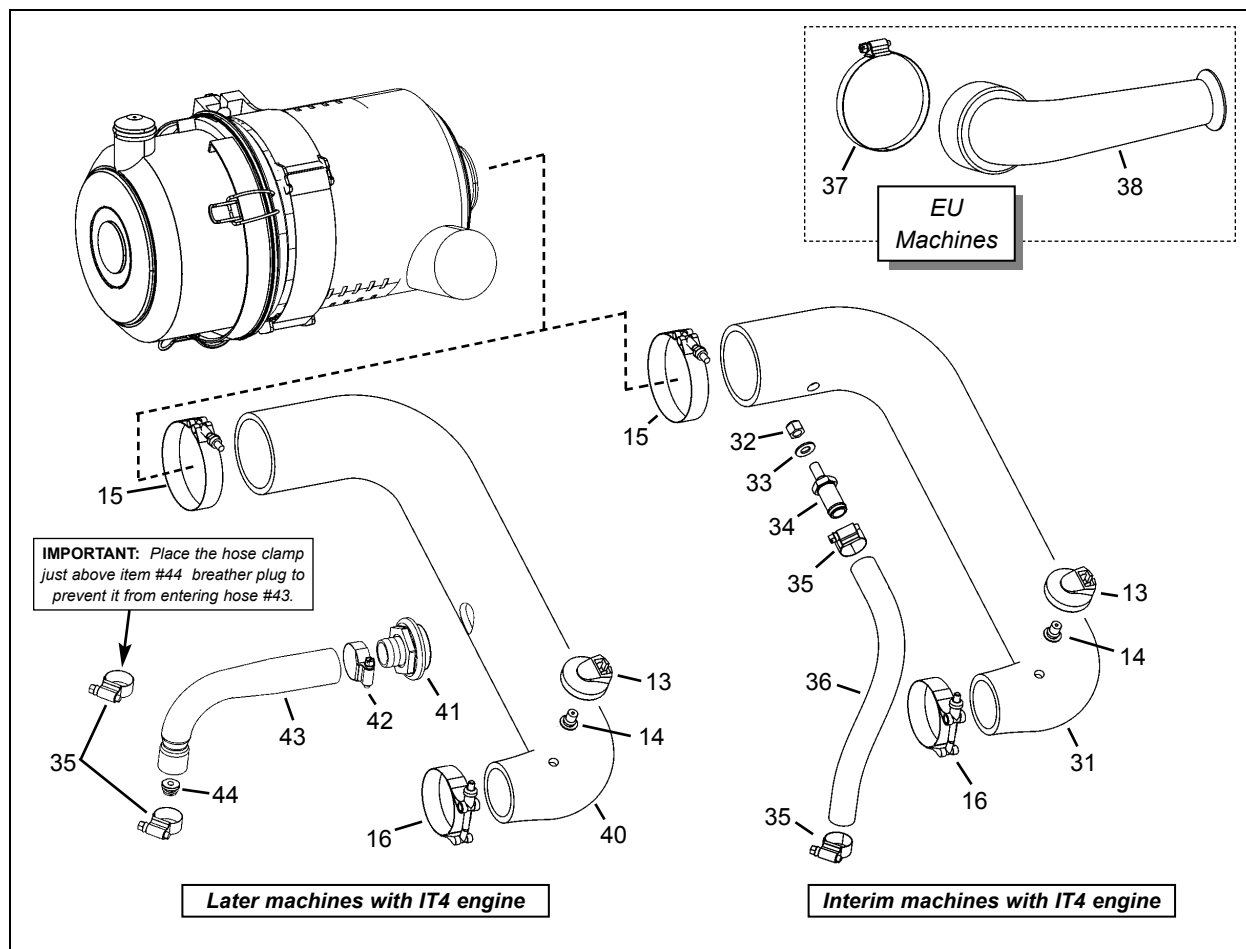
Item No.	Part No.	Description	Qty.
10	50300046	HOSE, FUEL 0.31 x 81.0 IN. (return)	1
	062023	CLAMP, HOSE #5 (not shown)	2
11	50300045	HOSE, FUEL 0.31 x 78.0 IN. (supply)	1
	062023	CLAMP, HOSE #5 (not shown)	2
12	50302205	PAD, RUBBER	1

a Series I fuel tank is no longer available, order fuel tank kit PN 50302873, which includes two 50301585 bushings, two 50302803 fittings, one 50302508 fuel tank—as shown on the facing page as items 12, 13, and 3—and instructions to install the fuel tank.

RT210 - ENGINE AIR INTAKE / EXHAUST



RT210 - ENGINE AIR INTAKE / EXHAUST



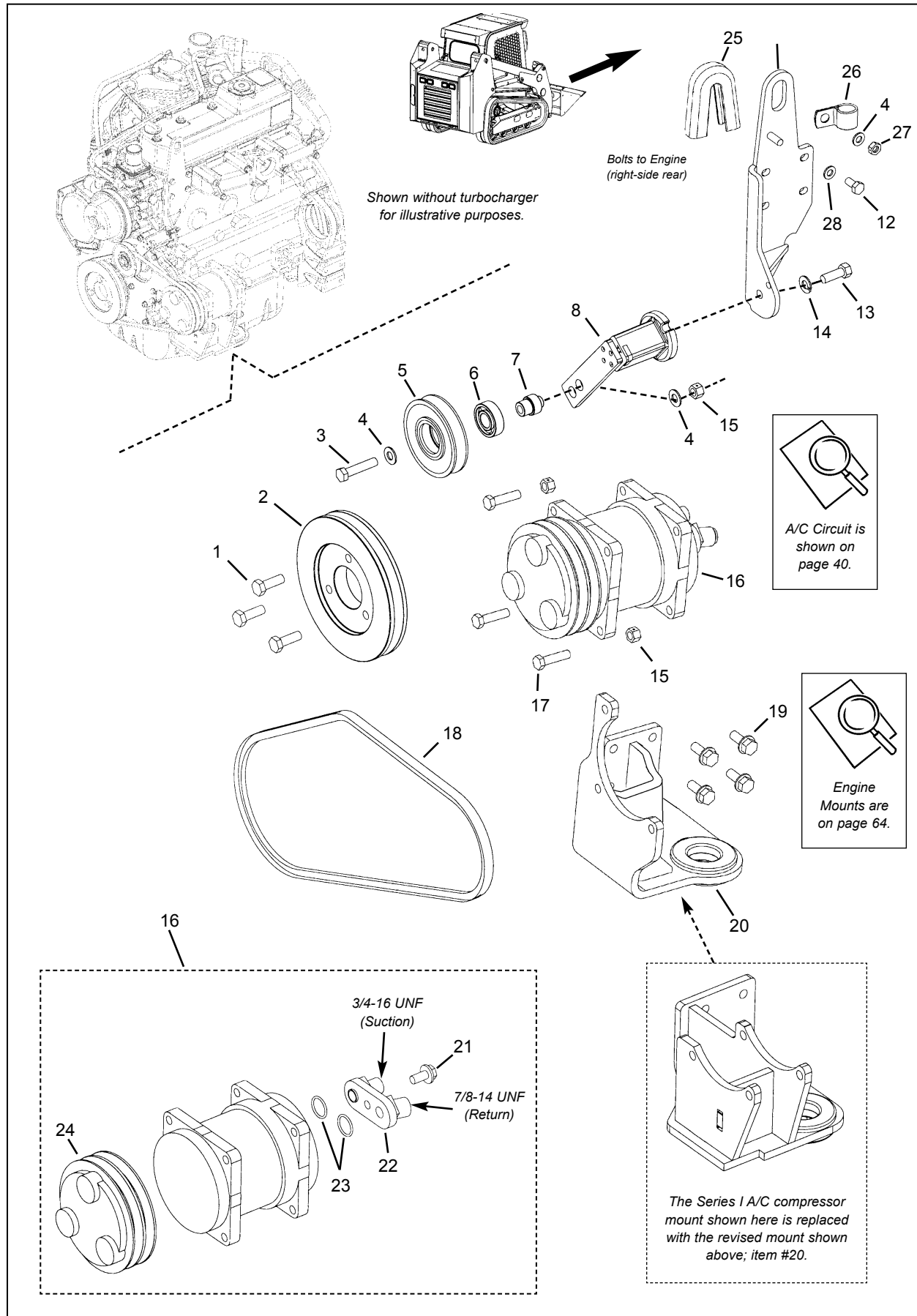
Item No.	Part No.	Description	Qty.
01	272381	MUFFLER, SPARK ARRESTING	1
02	071703	LN CTR 3/8 CBZY	4
03	650490	CS 3/8 x 1 C5ZY	8
04	127428	CLAMP, MUFFLER 2.50 IN.	1
05	138488	GASKET, TURBOCHARGER	1
06	656123	SHCS M8-1.25x25 C12.9 ZY DIN912	4
07	192932	EXHAUST OUTLET	1
08	193154	GASKET, EXHAUST	1
09	272382	PIPE, EXHAUST FLEX	1
12 ^a	50300293	HOSE, AIR INTAKE	1
13	272299	INDICATOR, SERVICE	1
14	272300	FITTING, AIR RESTRICTOR	1
15	184605	CLAMP, T-BOLT 3.50 IN.	1
16	137049	CLAMP, T-BOLT 2.50 IN.	1
17	NSS	AIR CLEANER HOUSING	1
18	184195	AIR FILTER	1
19	184146	AIR FILTER	1
20	187725	EVACUATOR VALVE	1
21	NSS	CLIP, AIR CLEANER	3
22	187726	AIR CLEANER, END CAP (includes item 24)	1
23	186014	AIR CLEANER ASSEMBLY (includes items 20-25)	1
24	183998	CLAMP, AIR CLEANER	1
25	650745	CB 5/16 x 1-1/4 C5ZY	2
27	210-31017	LN FL CTR 5/16 CFZY	2

Item No.	Part No.	Description	Qty.
28 ^d	192587	PRECLEANER (includes #29)	1
29 ^d	088937	CLAMP, SAE #64 (included w/ #28)	1
30 ^d	272318	ADAPTER, 2.75 - 4.0 IN.	1
31 ^b	272101	HOSE, RUBBER AIR INTAKE	1
32 ^b	064840	HLN INST 3/8 FZY	1
33 ^b	654006	FW 3/8 AWZY	1
34 ^b	274747	ST HB10-3/8 UNF	1
35	095955	CLAMP, HOSE #10	AR
36 ^b	50301164	HOSE, LP 18mm X 13 in.	1
37 ^e	087849	CLAMP, HOSE #52 (EU)	1
38 ^e	192848	SOUND DIFFUSER (EU)	1
40 ^c	50302860	HOSE, RUBBER/AIR INTAKE	1
41 ^c	50302922	ST BH16/THRU HULL	1
42 ^c	L75990	CLAMP, HOSE #16	1
43 ^c	50302863	HOSE, RUBBER/BREATHER	1
44 ^c	50303425	SPACER BREATHER PLUG	1

- a* Early machines equipped with TIER III engines.
b Interim machines with interim TIER IV engines.
c Later machines with interim TIER IV engines.
d Optional air filter pre-cleaner—NOT available for EU machines.
e Standard only on EU machines.

RT210 - ENGINE

AIR CONDITIONING COMPRESSOR — (OPTION)



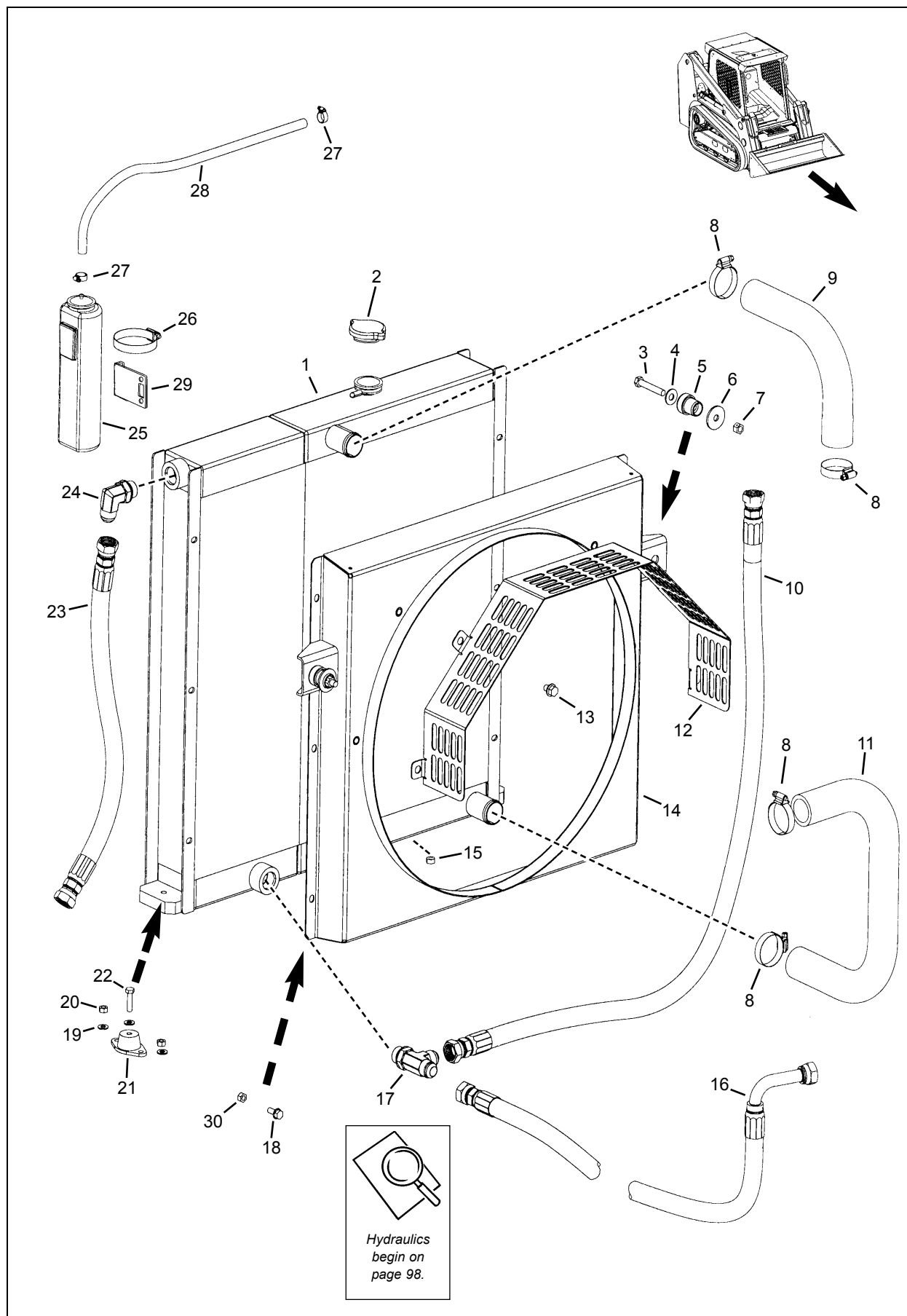
RT210 - ENGINE

AIR CONDITIONING COMPRESSOR — (OPTION)

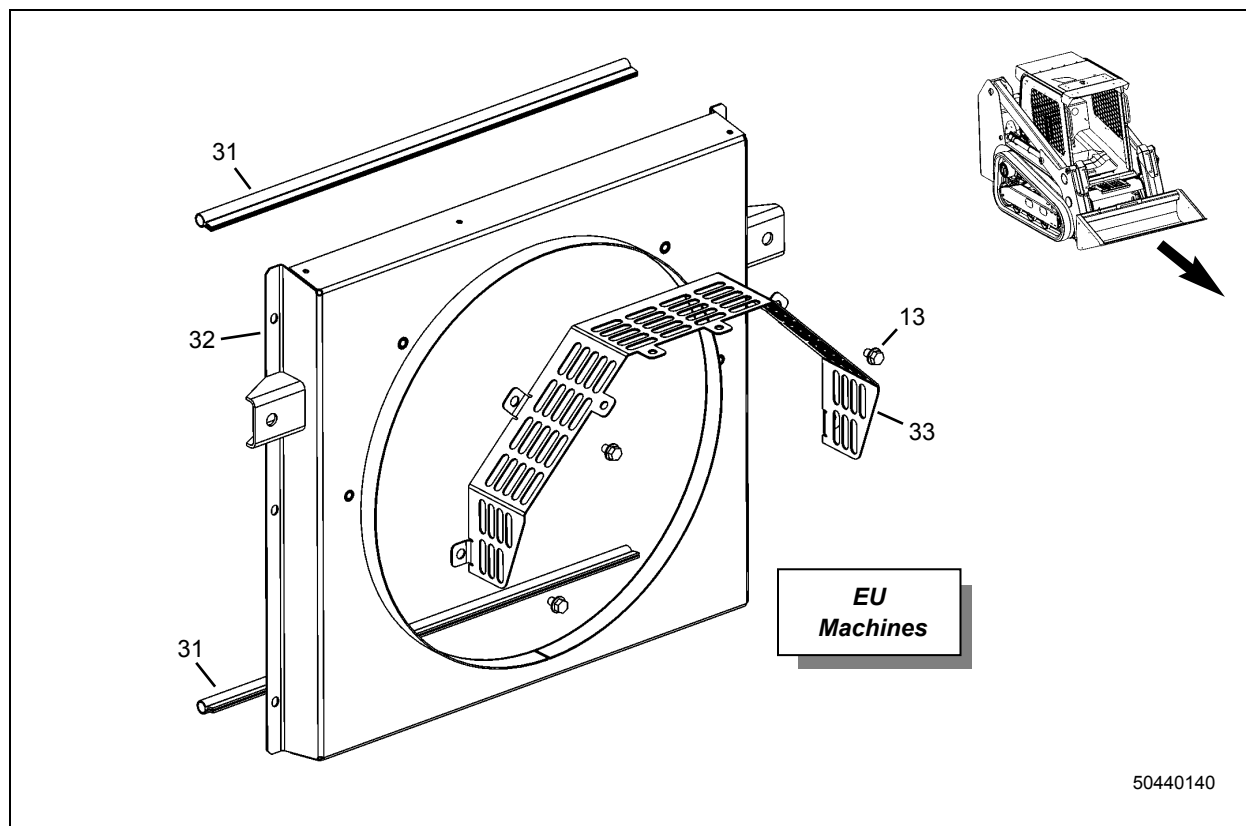
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	176654	CS FLH M10-1.5x30 C8.8 ZY D1665	3	24	139288	CLUTCH, A/C COMPRESSOR	1
02	241008	PULLEY, CRANKSHAFT A/C	1	25	50300380	TRIM, 0.25-.0.50 x 6IN.	1
03	650579	CS 3/8 x 1-3/4 C5ZY	1	26	184560	HOSE, CLAMP 0.94x0.53	1
04	654049	FW 3/8 ANZY	AR	27	071703	LN CTR 3/8 CBZY	1
05	139952	PULLEY w/BEARING <i>(includes #6)</i>	1	28	656111	FW M8 ZY DIN125 <i>(not shown)</i>	4
06	NSS	BEARING <i>(included with item 5)</i>	1	-- ITEMS NOT SHOWN --			
07	241385	SPACER, PULLEY	1	--	195106	CABLE TIE, 0.50 x 20.10 BLACK ***	1
08	241010	TENSIONER	1	* <i>Included with item 8.</i>			
11	271615	TENSIONER MOUNT	1	** <i>Used in place of standard engine mount (PN 201390).</i>			
12	176658	CS FLH M8-1.25x16 C8.8ZY SP	4	*** <i>The cable tie wraps around, and secures, the four (right-side lift arm) hydraulic hoses near the A/C compressor pulley—to prevent the A/C compressor pulley from damaging the hoses.</i>			
13	651395	CS M10-1.5x30 C10.9 ZY DIN931 *	1				
14	656103	LW M10 ZY DIN127 *	1				
15	071703	LN CTR 3/8 CBZY	5				
16	140614	A/C COMPRESSOR ASSEMBLY	1				
17	651347	CS 3/8 x 1-1/2 GR8	3				
18	271491	V-BELT, A/C COMPRESSOR	1				
19	50300069	CS FLH M10-1.5x25 C10.9ZY SP	4				
20	50301756	MOUNT, A/C COMPRESSOR **	1				
21	138781	CS M10 x 30 MM	1				
22	140617	MANIFOLD, COMPRESSOR A/C	1				
23	140780	O-RING SET	1				

RT210 - ENGINE / HYDRAULICS

RADIATOR / HYDRAULIC COOLER



RT210 - ENGINE / HYDRAULICS RADIATOR / HYDRAULIC COOLER



Item No.	Part No.	Description	Qty.
01	273529	COOLER (radiator / hydraulic cooler) <i>(includes item 2)</i>	1
02	50280174	RADIATOR CAP, 13 LBS.	1
03	650535	CS 3/8 x 2-1/4 C5ZY	2
04	654006	FW 3/8 AWZY	2
05	270298	MOUNT, RADIATOR <i>(rubber)</i>	2
06	270301	WASHER, REBOUND	2
07	071703	LN CTR 3/8 CBZY	2
08	055030	CLAMP, HOSE #28	4
09	270264	HOSE, RADIATOR UPPER	1
10	270100	HOSE, MP12 x 55 IN.	1
11	270263	HOSE, RADIATOR LOWER	1
12	274065	GUARD, FAN	1
13	310-32616	CS FL LOCK 3/8 x 1/2 C2ZY	4
14	270247	FAN SHROUD *	1
15	50280175	DRAIN PLUG, 1/4 NPT SOCKET HD	1
16	272046	HOSE, MP12 x 61 IN.	1
17	079092	TEE RUN MJ12-MAORB12-MJ12	1
18	081380	CS FL LOCK 5/16 x 3/4 C5ZY	6
19	650810	FW 5/16 ANZY	AR
20	071701	LN 5/16 C2ZY	AR
21	270238	MOUNT, RADIATOR	2

Item No.	Part No.	Description	Qty.
22	650545	CS 5/16 x 1-1/4 C5ZY	2
23	272052	HOSE, MP12 x 23.5 IN.	1
24	055005	90 MJ12-MAORB12	1
25	425-36233	BOTTLE, WATER	1
26	425-36235	BAND	1
27	062023	CLAMP, HOSE #05 M	2
28	275268	HOSE, 5/16 x 24.0 IN.	1
29	425-36152	BRACKET	1
	131842	LN FL SPIRALOCK 5/16 CZY	2
30	210-31017	LN FL CTR 5/16 CFZY	6
31	50301566	BULB SEAL (EU) **	2
32	50300534	FAN SHROUD (EU) **	1
33	50300970	FAN GUARD (EU) **	1

* Not used on EU machines.

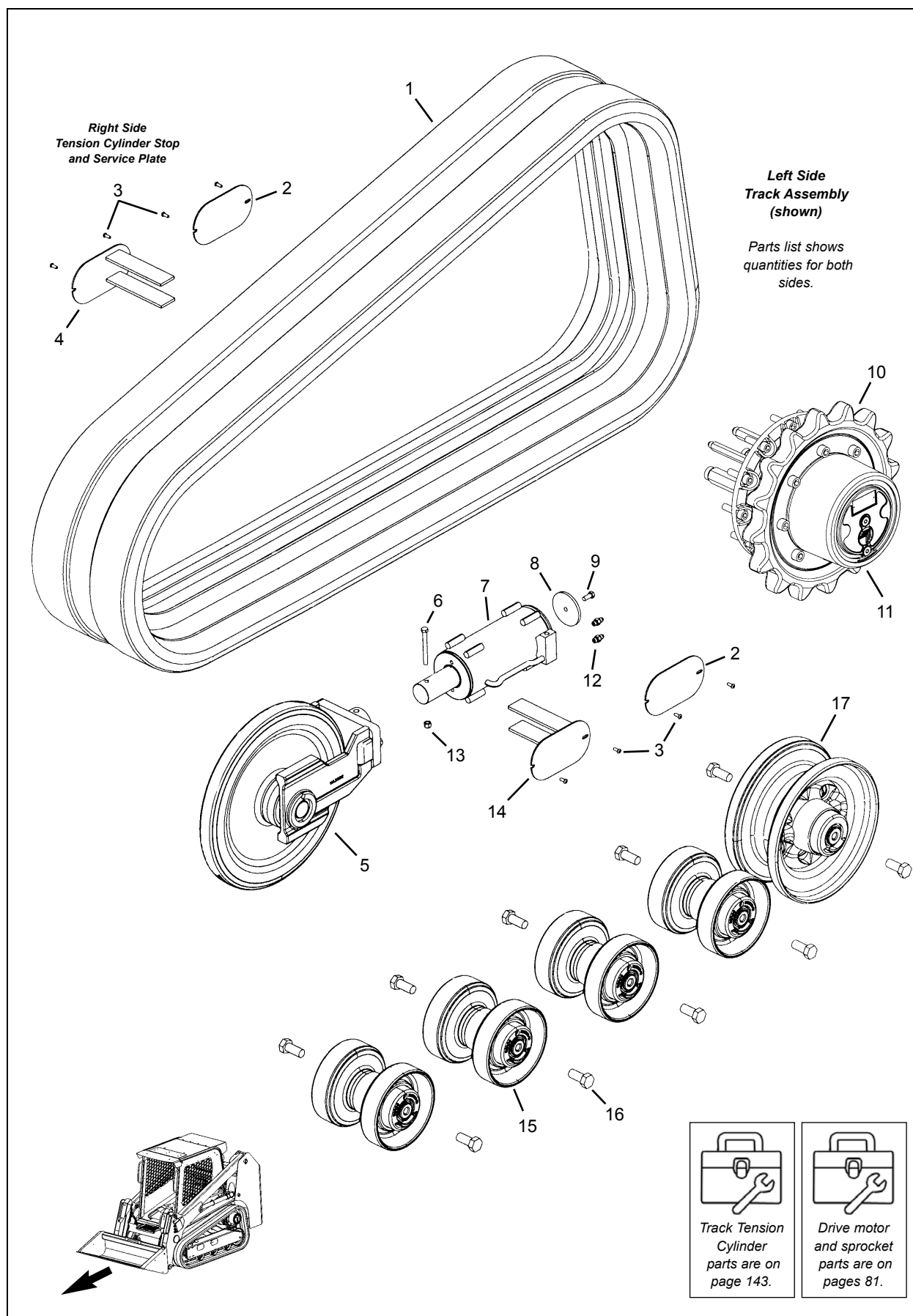
** Used on EU machines.

HOSE CONNECTION:

#10 connects to hydraulic filter
#16 connects to Hydrostatic Drive Pump (upper front port)
#23 connects to hydraulic tank (RETURN)

RT210 - TRACKS

TRACK ASSEMBLY



RT210 - TRACKS

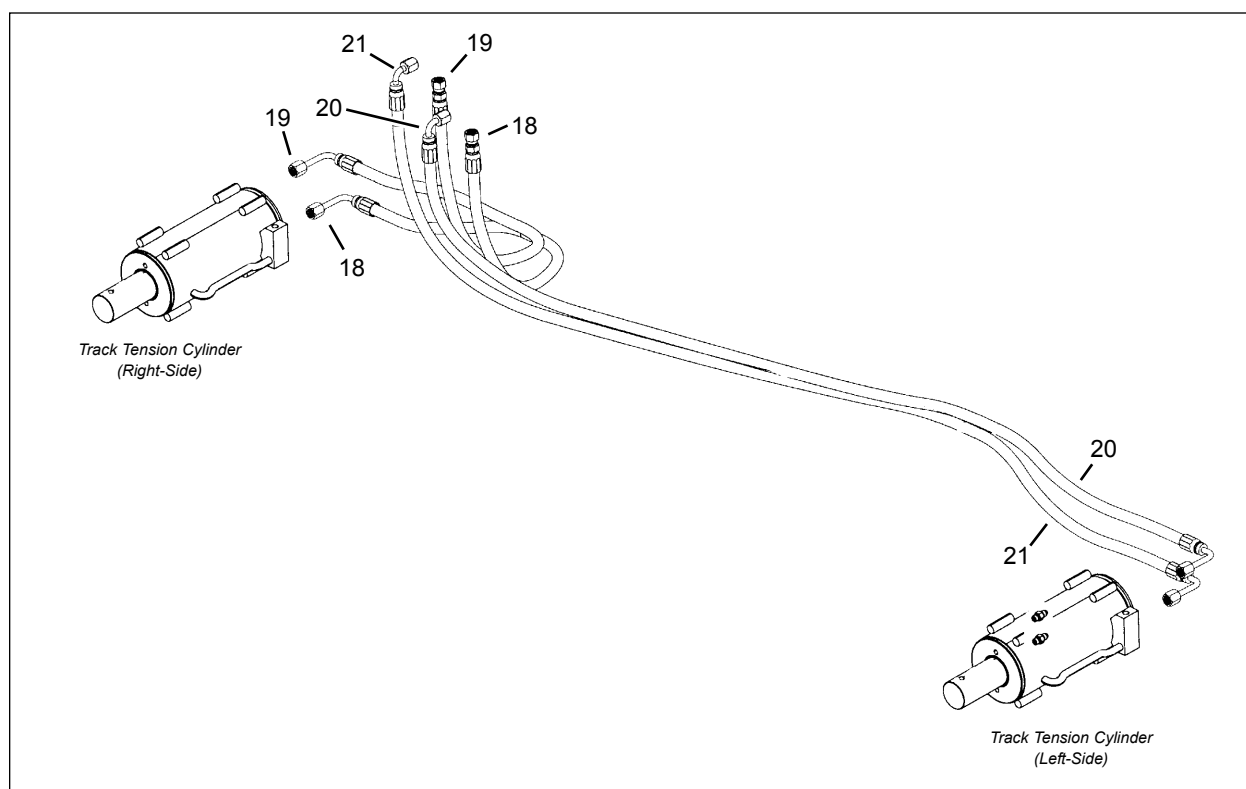
TRACK ASSEMBLY

Item No.	Part No.	Description	Qty.
NOTE: Quantities shown are for both sides of the machine.			
01	272010	RUBBER TRACK 450x86x56	2
02	271556	PLATE, SERVICE COVER	2
03	072916	CS FL LOCK 1/4 x 3/4 C5ZY	8
04	272643	TENSION CYLINDER STOP (<i>right</i>)	1
05	271005	FRONT IDLER ASSEMBLY	2
06	651614	CS 3/8" x 3-1/2" C8ZY	2
07	271414	CYLINDER, TRACK TENSION	2
08	272913	STOP, HYDRAULIC CYLINDER	2
09	50300027	CS 3/8" x 7/8" C5Z	2
10	270322	SPROCKET, DRIVE *	2

Item No.	Part No.	Description	Qty.
11	273652	MOTOR, DRIVE 1098cc w/FLANGE *	2
12	230-32195	ST MJ04 MORB04	4
13	067847	HLN INST 3/8" CZY	2
14	272641	TENSION CYLINDER STOP (<i>left</i>)	1
15	271020	WHEEL, BOGIE - DUAL FLANGE	8
16	274602	CS M20-2.5 x 45 C10.9 PSP DIN931 20	2
17	275574	IDLER, DUAL FLANGE (<i>rear</i>)	2
18	274389	HOSE, MP 4 x 31.0 IN.	1
19	274839	HOSE, MP 4 x 31.0 IN.	1
20	274386	HOSE, MP 4 x 53.0 IN.	1
21	274386	HOSE, MP 4 x 53.0 IN.	1

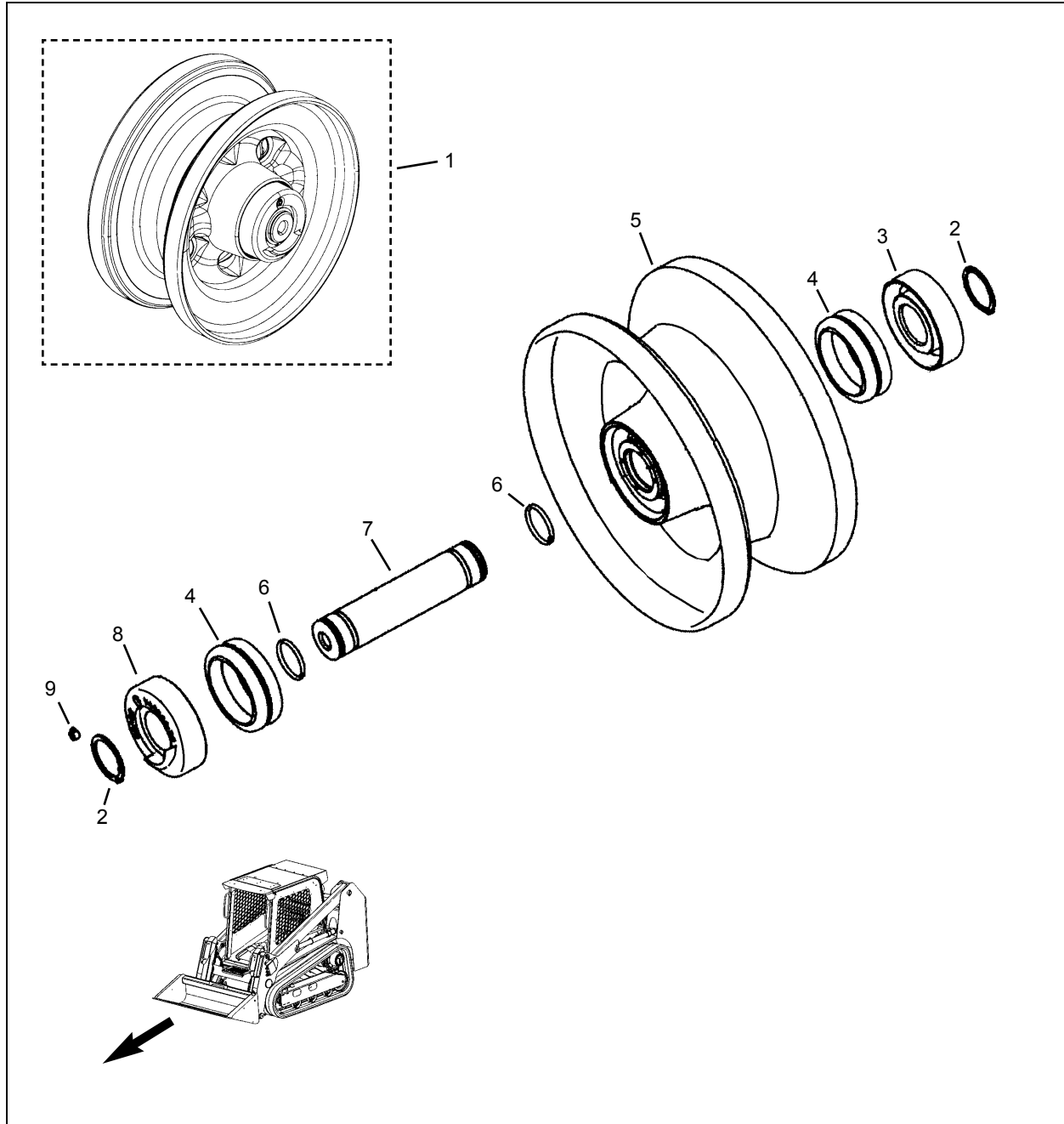


NOTE: The following four pages contain detailed component information for the bogie wheels, front and rear idlers, and the track drive motors and sprockets.



RT210 - TRACKS

DUAL-FLANGE IDLER ASSEMBLY



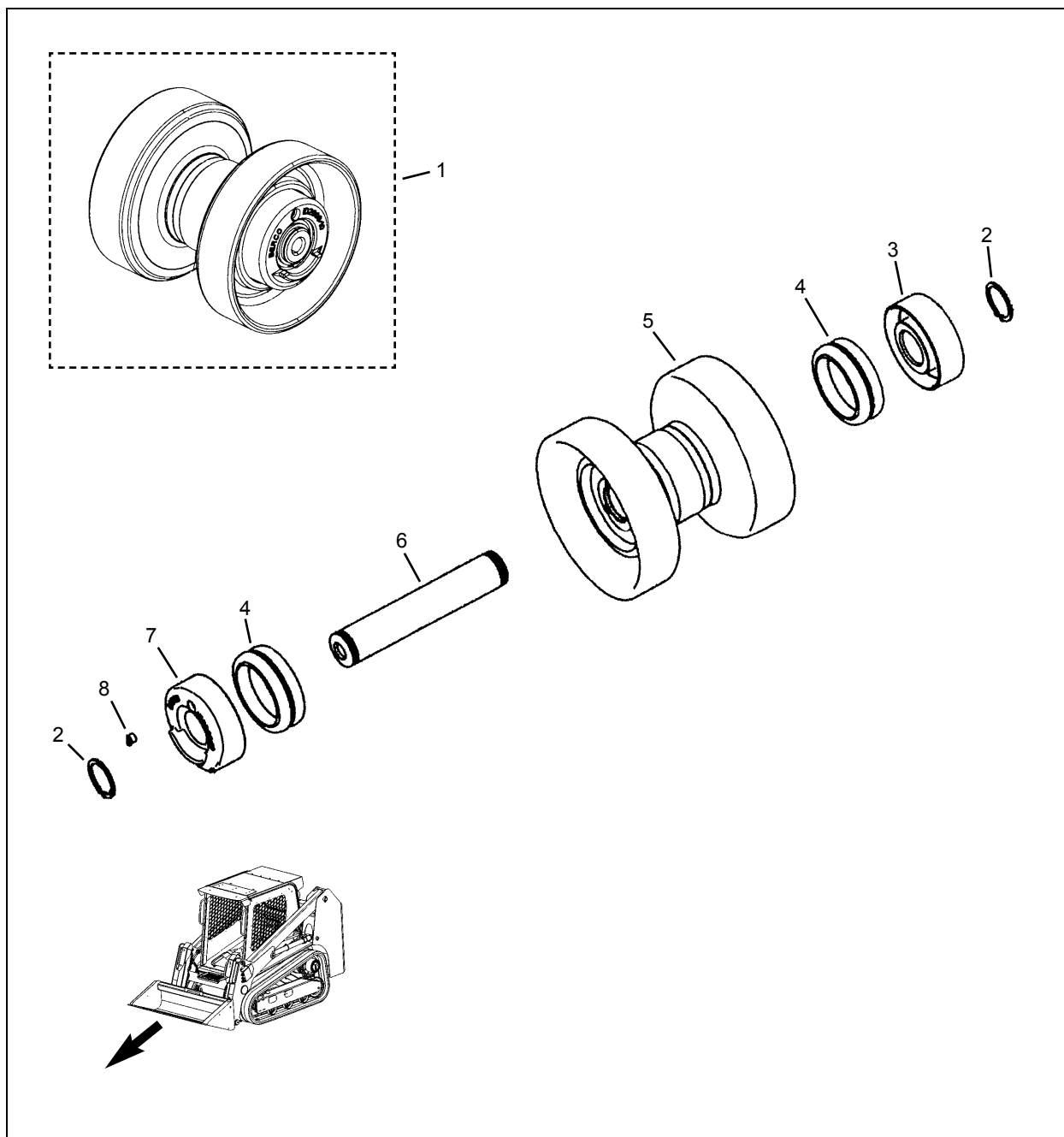
Item No.	Part No.	Description	Qty.
01	275574	IDLER, DUAL-FLANGE ASSEMBLY (includes all items shown)	1
02	50280163	SNAP RING	2
03	50280164	BRACKET	1
04	50280155	SEAL GROUP	2
05	50280161	IDLER SHELL W/BUSHING	1
06	50280166	O-RING	2
07	50280162	SHAFT	1
08	50280165	BRACKET W/HOLE	1
09	50280160	PLUG	1



NOTE: Quantities shown are for one dual-flange idler assembly. When ordering parts, be aware that the machine uses two dual-flange idler assemblies, one for each side.

RT210 - TRACKS

DUAL-FLANGE BOGIE WHEEL ASSEMBLY



Item

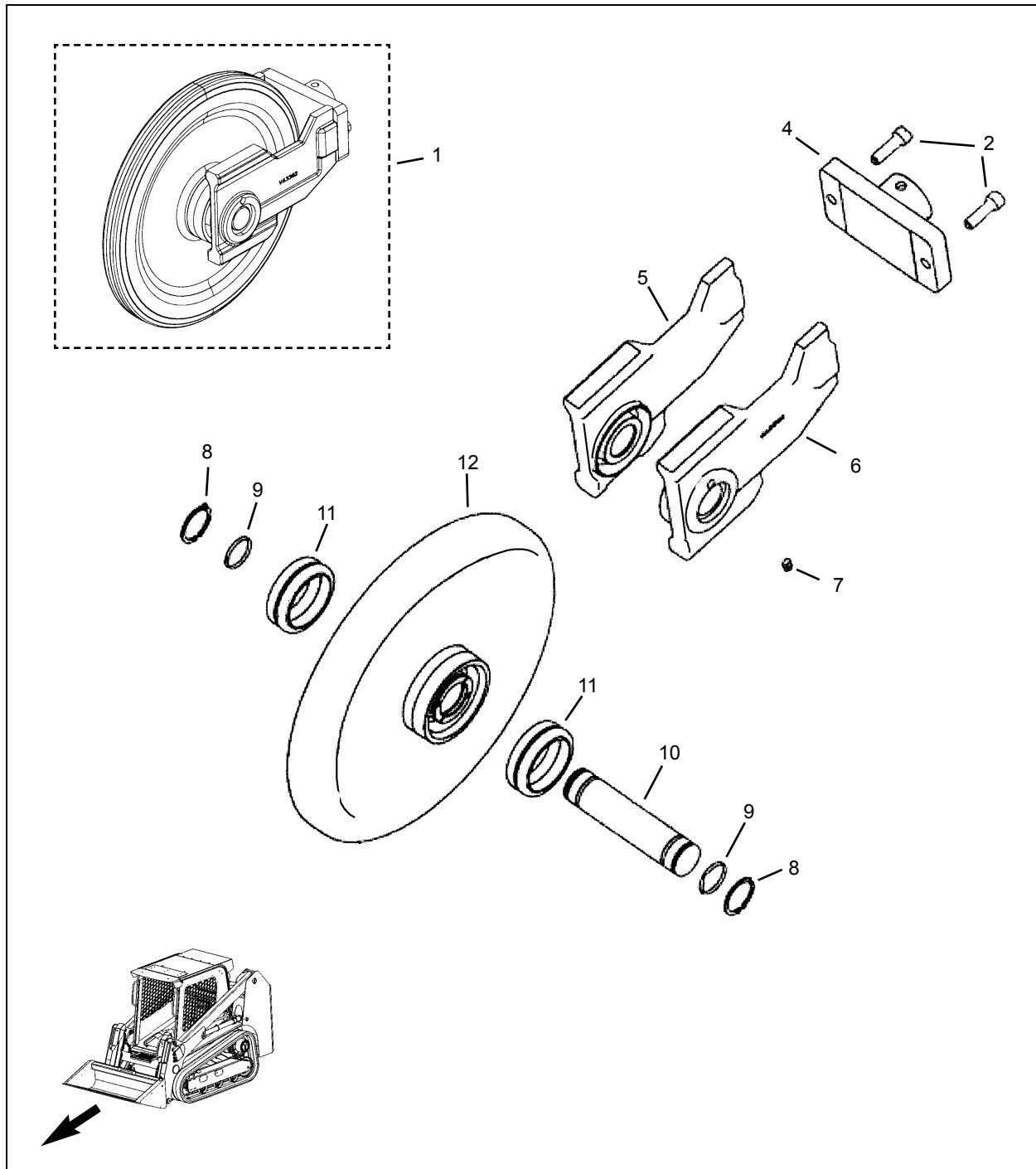
No.	Part No.	Description	Qty.
01	271020	WHEEL, DUAL-FLANGE BOGIE ASY. 1 (includes all items shown)	
02	50280157	SNAP RING	2
03	50280158	BRACKET	1
04	50280155	SEAL GROUP	2
05	50280154	ROLLER SHELL W/BUSHING	1
06	50280156	SHAFT	1
07	50280159	BRACKET W/HOLE	1
08	50280160	PLUG	1



NOTE: Quantities shown are for one dual-flange bogie wheel assembly. When ordering parts, be aware that the machine uses eight dual-flange bogie wheel assemblies— four on each side.

RT210 - TRACKS

FRONT IDLER ASSEMBLY



Item No.	Part No.	Description	Qty.
01	271005	FRONT IDLER ASSEMBLY (includes all items shown)	1
02	50280172	BOLT	2
04	50280171	TRACK IDLER WELDMENT	1
05	50280169	BRACKET	1
06	50280170	BRACKET W/HOLE	1
07	50280160	PLUG	1
08	50280163	SNAP RING	2
09	50280166	O-RING	2

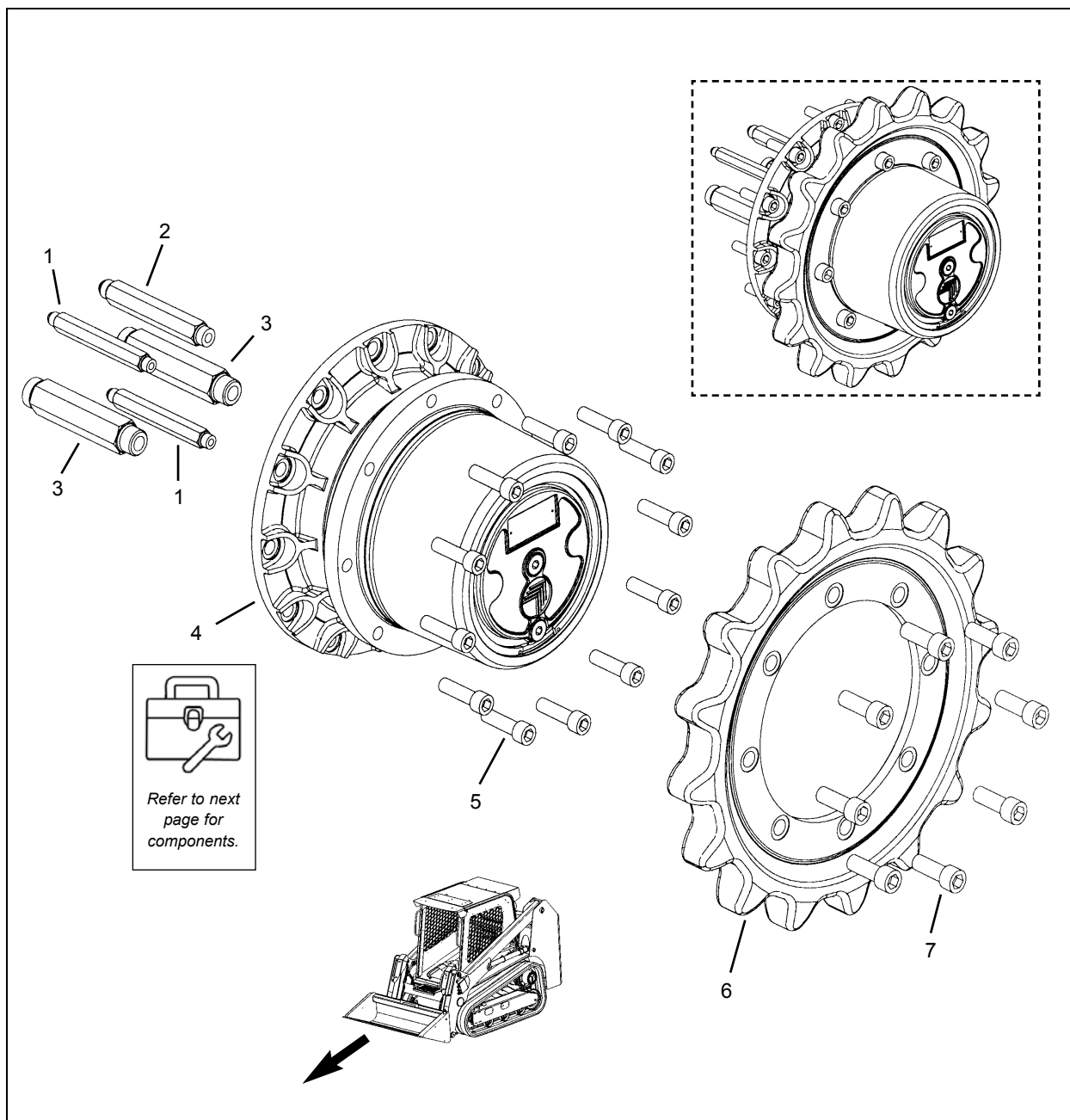
Item No.	Part No.	Description	Qty.
10	50280168	SHAFT	1
11	50280155	SEAL GROUP	2
12	50280167	IDLER SHELL W/BUSHING	1



NOTE: Quantities shown are for one front idler assembly. When ordering parts, be aware that the machine uses two front idler assemblies, one on each side.

RT210 - TRACKS

TRACK DRIVE MOTOR AND SPROCKET



Item No.	Part No.	Description	Qty.
01	273650	ST-LN MJ06-MORB06	2
	055897	O-RING (included - qty 1 per fitting)	
02	271709	ST-LN MJ08-MORB08	1
	055896	O-RING (included - qty 1 per fitting)	
03	271680	ST-LN MFS12-MORB12	2
	048953	O-RING (included - qty 1 per fitting)	
	137205	O-RING (included - qty 1 per fitting) (Flat face side of fitting)	
04 ^a	273652	MOTOR, DRIVE 1098cc W/FLANGE	1
05	274604	SHCS M14-2x50 C12.9PSP DIN912	12
06	270322	SPROCKET, DRIVE	1
07	274603	SHCS M16-2X45 C12.9 P SP DIN912	8



NOTE: Quantities shown are for one drive motor and sprocket assembly. When ordering parts, be aware that the machine uses two drive motors and sprocket assemblies, one on each side. Refer to next page for component parts.

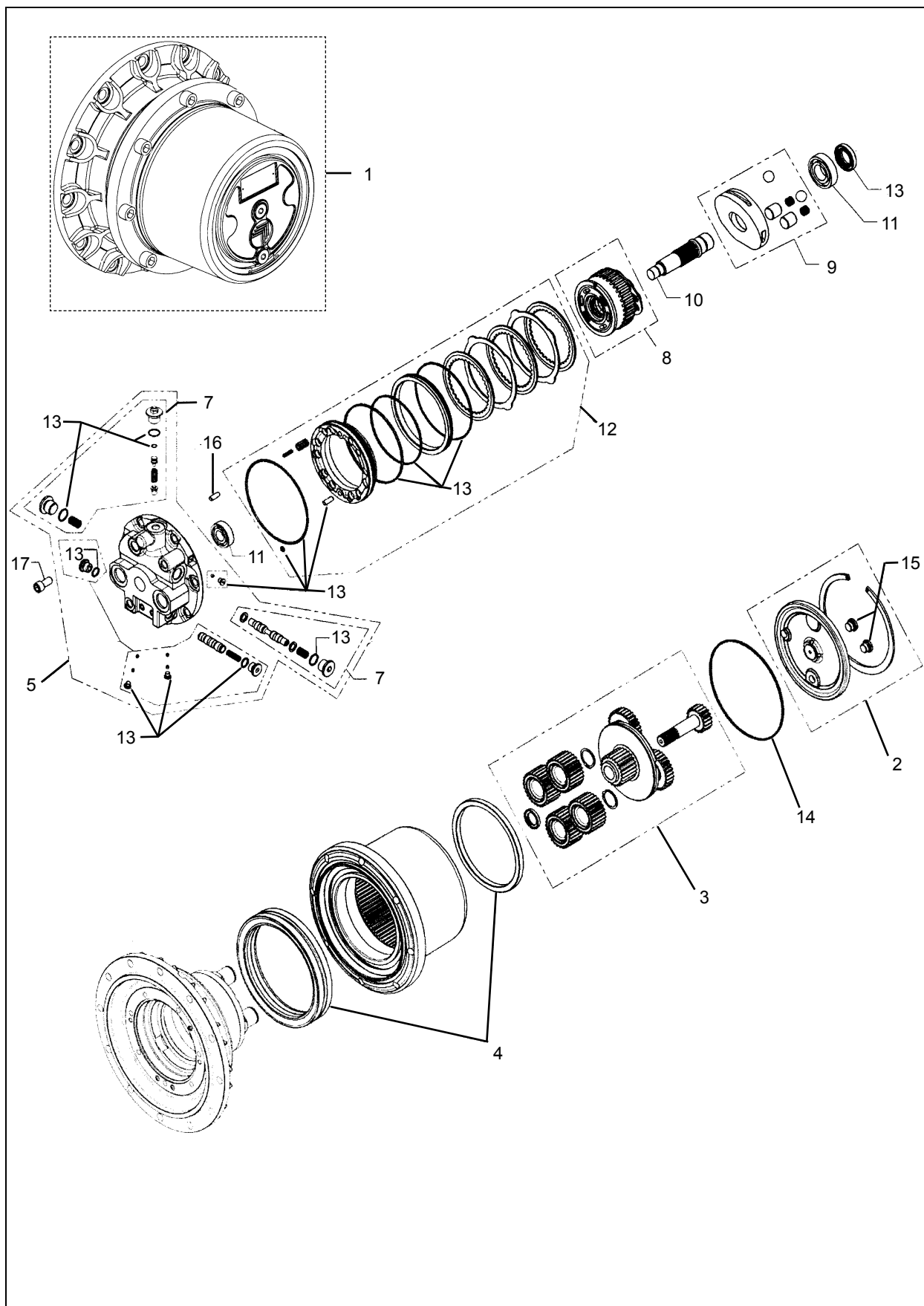


NOTE: Track drive hydraulic circuit begins on page 110

a Refer to the next page for components and repair kits.

RT210 - TRACKS

TRACK DRIVE MOTOR COMPONENTS



RT210 - TRACKS

TRACK DRIVE MOTOR COMPONENTS

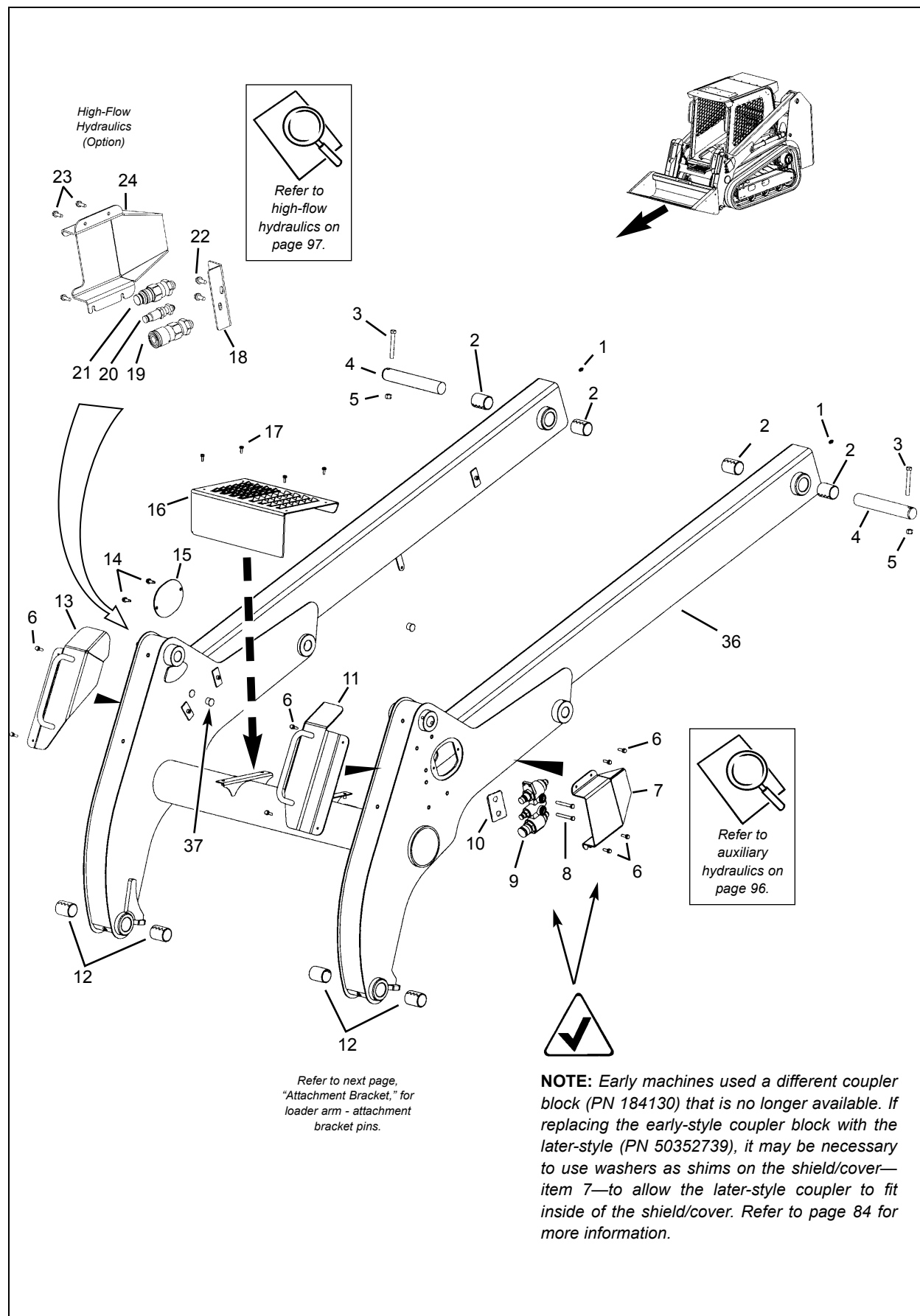
Item No.	Part No.	Description	Qty.
01	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(includes all items shown)</i>	1
02	50280126	COVER ASSEMBLY	1
03	50280127	REDUCTION ASSEMBLY	1
04	50280128	KIT, SEAL NUT	1
05	50280129	BASE PLATE ASSEMBLY	1
06	50280130	SPOOL KIT, TWO SPEED	1
07	50280131	KIT, FLUSHING	1
08	50280132	CYLINDER BLOCK ASSEMBLY	1
09	50280134	SWASH PLATE KIT (1098 cc)	1
10	50280135	MOTOR SHAFT ASSEMBLY	1

Item No.	Part No.	Description	Qty.
11	50280136	KIT, BEARINGS	1
12	50280137	KIT, PARK BRAKE	1
13	50280138	KIT, REPAIR	1
14	50280139	QUAD RING	1
15	50280151	PLUG	2
16	NSS	PIN <i>(included with #5, 12 and 13)</i>	AR
17	50280125	SHCS M12X1.75-12.9 L.35	7



NOTE: Quantities shown are for one track drive motor assembly. When ordering parts, be aware that the machine uses two track drive motor assemblies, one on each side.

RT210 - LOADER ARM BOLT-ON COMPONENTS



RT210 - LOADER ARM BOLT-ON COMPONENTS

Item No.	Part No.	Description	Qty.
01	570002	FITTING, GREASE 1/8 PTF	2
02	271363	BUSHING	4
03	650454	CS 1/2 x 3-1/2 C5ZY	2
04	271264	PIN, HEAT TREATED	2
05	068034	HLN INST 1/2 CZY	2
06	064354	CS FL LOCK 5/16 x 1 C5ZY	8
07	273624	SHIELD	1
08	650581	CS 3/8 x 3 C8ZY	2
09	Note d	BLOCK, COUPLER/PRESS. RELF.	1
10	274598	SPACER, COUPLER BLOCK	1
11	272758	WELDMENT, HANDLE - (LEFT)	1
12	273677	BUSHING, SPRING *	4
13	272759	WELDMENT, HANDLE - (RIGHT)	1
14	650934	THWH TC USL 3/8 x 1 CZY	1
15	272398	COVER, LOADER ARM	1
16	276038	STEP	1
17	650758	CB 1/4 x 3/4 C5ZY	4
	071401	HLN INST 1/4 CZY (not shown)	4
18	275977	PLATE (bracket)**	1
19	137059	COUPLER, FEMALE MJ12 **	1
20	131958	COUPLER, MALE MJ08 **	1
21	137058	COUPLER, MALE MJ12 **	1
22	076589	CS FL LOCK 3/8 x 1 ***	2
23	064354	CS FL LOCK 5/16 x 1 C5ZY **	4
24	276002	SHIELD ***	1
26 ^b	273035	STOPPER, RUBBER	1
27 ^b	274430	WELDMENT, SAFETY BAR ***	1
28 ^b	650448	CS 1/4 x 3/4 C5ZY	2
29 ^b	272736	PLATE	1
30 ^b	071700	LN 1/4 CBZY	2
31 ^b	274656	CHAIN SASH	1
32 ^b	274390	PIN	1
33 ^b	655006	COTTER PIN 1/8 x 1 Z	1
34 ^b	50300090	BUMPER, RUBBER	1

Item No.	Part No.	Description	Qty.
35 ^b	50300546	SPACER	1
36 ^c	5030260	WELDMENT, LOADER ARM	1
37	243009	GROMMET 0.69 x 0.25 x 1.0 PLUG	2
40 ^a	50302600	CHANNEL (safety bar) ***	1
41 ^a	50302169	KNOB	1
	071703	LN CTR 3/8 CBZY (not shown) (used as a jam nut for knob)	1
42 ^a	650663	CS 1/4" x 5/8" C5ZY	2
43 ^a	50301796	ISOLATOR 0.75" x 1" RUBBER	3
44 ^a	50302541	TETHER	1
45 ^a	071700	LN 1/4" CZY (used to attach tether to under loader arm)	1
46 ^a	650748	CB 1/4" x 5.8" C5ZY	1
50	137637	DECAL, KEEP OUT/LIFT ARM	1

* Refer to "Attachment Bracket" (located on the next page) for attachment bracket pins and related parts information.

** Used when machine is equipped with high-flow hydraulics option.

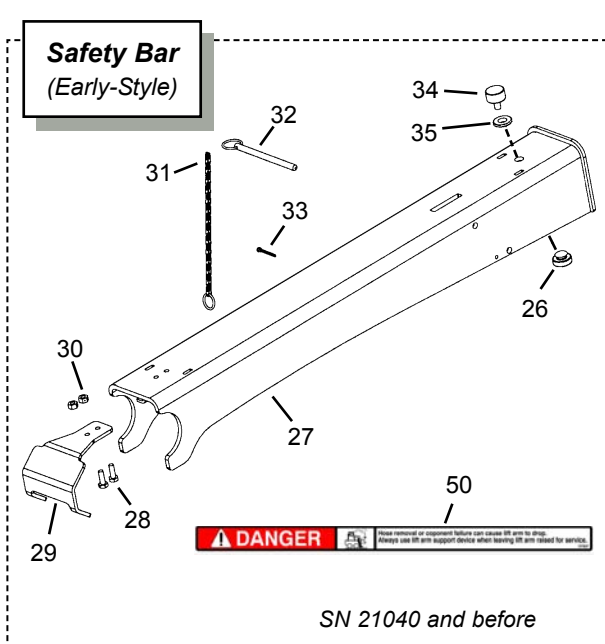
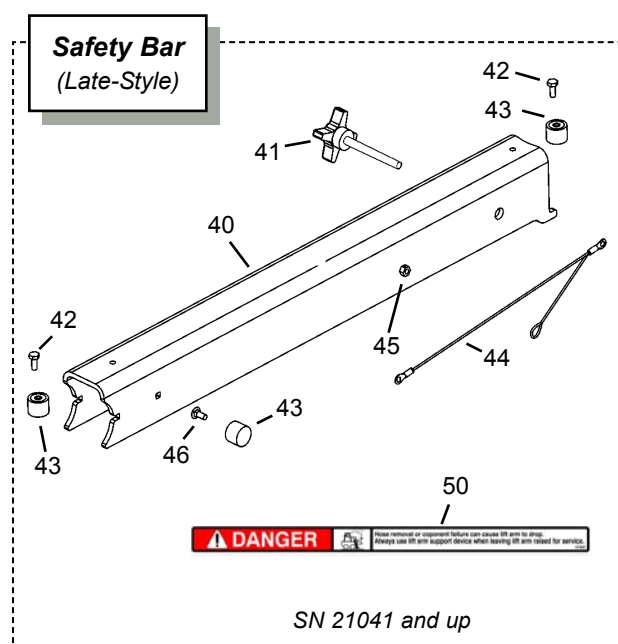
*** **IMPORTANT:** When ordering this part, be sure to also order and affix the warning decal (137637) as shown in the illustration on 126; item 8.

a SN 21041 and up; late-style safety bar

b SN 21040 and before; early-style safety bar.

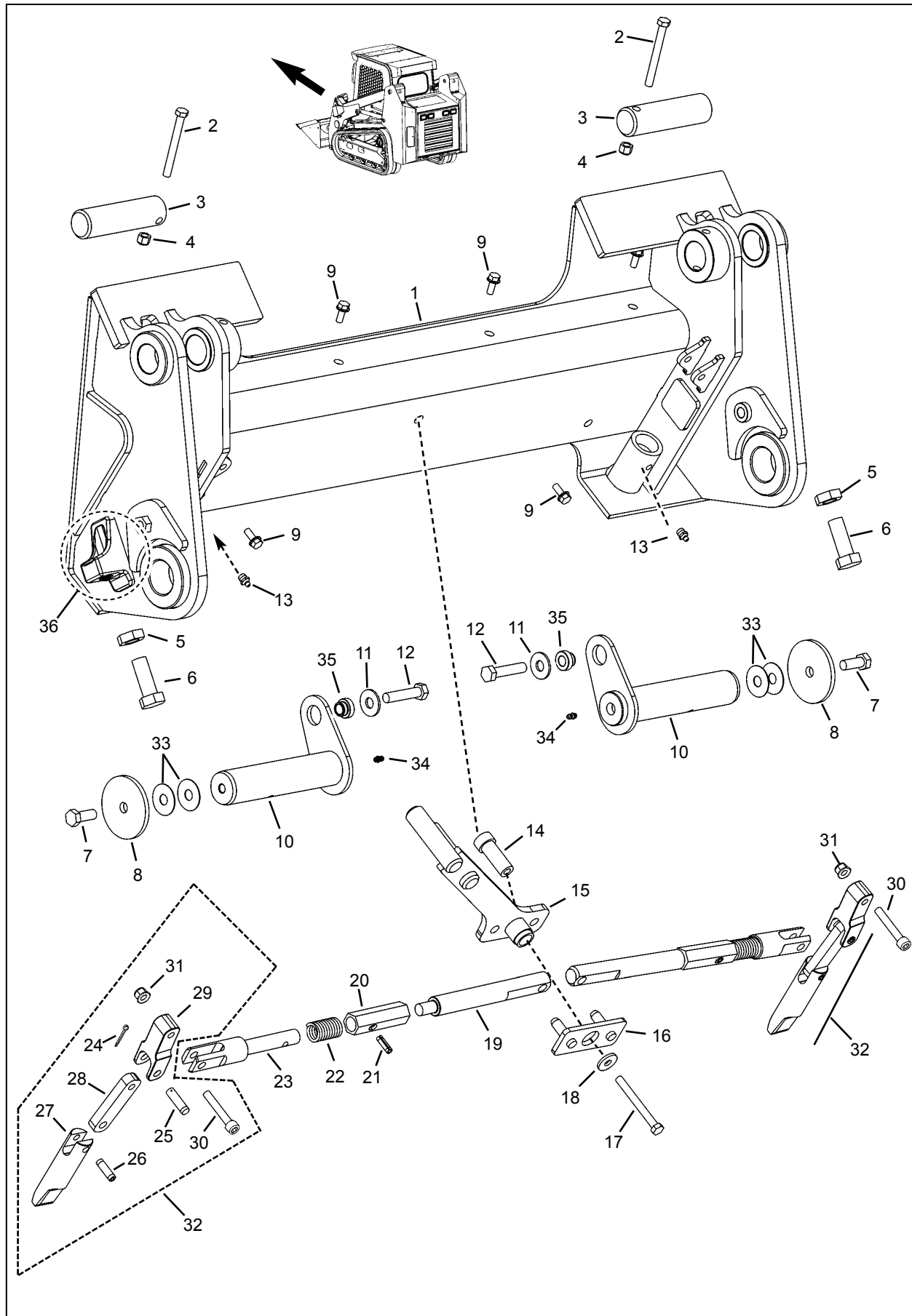
c **IMPORTANT:** If replacing the lift arm, be sure that the proper safety bar fits the lift arm. The "early-style" and "late-style" safety bars are not interchangeable. Be sure to order items 40-46 and decal item 50 when ordering a new lift arm.

d Refer to the "NOTE" on the facing page and refer to page 96 for more information.



RT210 - LOADER ARM

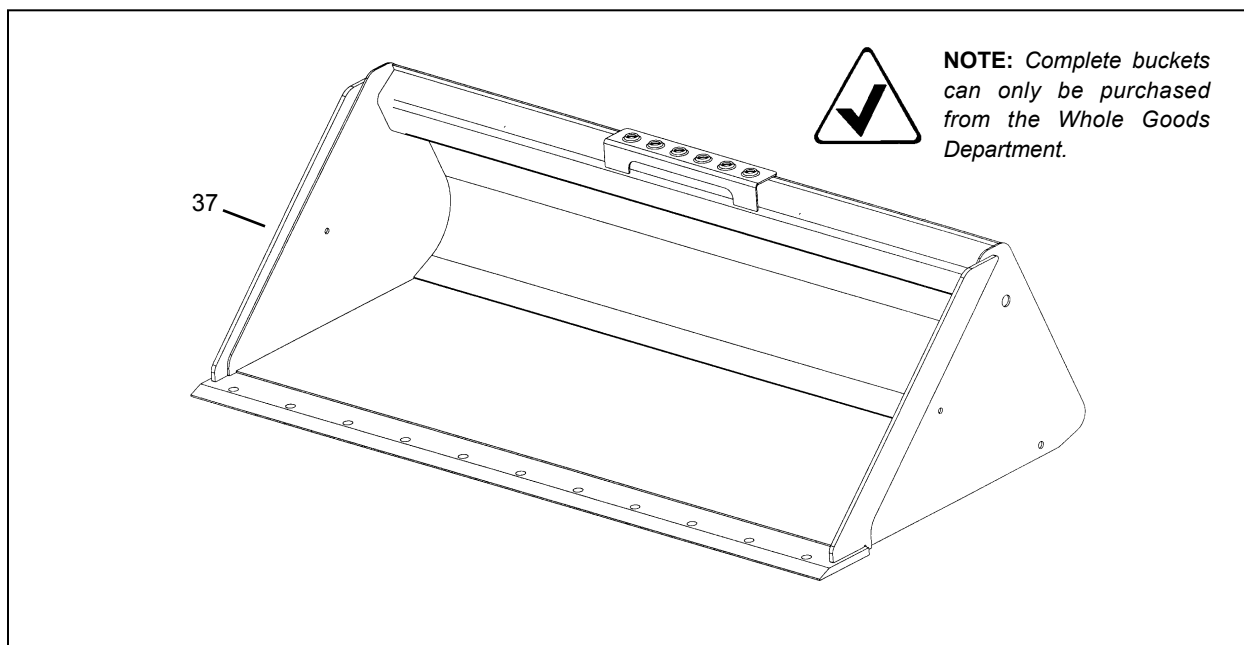
ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET



RT210 - LOADER ARM

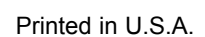
ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	274521	WELDMENT, QUICK ATTACH <i>(Includes item #36, welded on)</i>	1	19	137167	LINK, ADJUSTABLE END	2
02	650731	CS 3/8 x 3-1/2 C5ZY	2	20	137158	LINK, SPRING STOP	2
03	271366	PIN <i>(attaches tilt cylinder)</i>	2	21	137385	SPRING PIN	2
04	067847	HLN INST 3/8 CZY	2	22	H8049	SPRING	2
05	653054	HJN HVY 3/4 C5ZY	2	23	137164	LINK, SPRING SLIDE	2
06	650649	CS 3/4 x 2 C5ZY	2	24	655006	COTTER PIN 1/8"x1" Z	2
07	50280004	CS 1/2 x 1-1/4 C5ZY SP	2	25	50350090	PIN, CLEVIS 7/16"x1-5/8" ZY	2
08	274526	WASHER 35/64	2	26	137386	PIN	2
09	081380	CS FL LOCK 5/16 x 3/4 C5ZY	6	27	137170	LATCH PIN	2
10	50302150	PIN <i>(attaches to loader arm)</i>	2	28	137168	PIN LINK	2
11	654009	FW 1/2 AWZY	2	29	137169	LATCH LINK	2
12	50280006	CS 1/2 x 2-1/2 C5ZY SP	2	30	50302097	SCREW/SHOULDER 3/8"x1-3/4" 8	2
13	570002	FITTING, GREASE 1/8 PTF	2	31	210-31017	LN FL CTR 5/16 CFZY	2
14	138752	HANDLE PIVOT	1	32	270064	QUICK ATTACH PIN ASSEMBLY <i>(includes items 24-31)</i>	2
15	270675	HANDLE	1	33	275914	SHIM	4
16	137379	PIN LINK	1	34	570014	GREASE ZERK 1/4 ST	2
17	50280005	CS 3/8 x 3-1/2 C8ZY SP	1	35	50302153	BUSHING, STEPPED 3/4 x 1	2
18	088912	FW 13/32 ZY	1	36	274859	STOP BLOCK <i>(weld on part)</i> <i>(Included with item #1)</i>	2



Item No.	Part No.	Description	Qty.
37	NSS	BUCKET, 74" D/C	1
	132398	CUTTING EDGE, 0.75x8.0x73.88 IN	1
	651351	PLOW BOLT 3/4" x 2-1/2"	12
	653026	HN 3/4 C2ZY	12

ATTACHMENT BRACKET - POWER ALL-TACH® (OPTION)



RT210 - LOADER ARM

ATTACHMENT BRACKET - POWER ALL-TACH[®] (OPTION)

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	081380	CS FL LOCK 5/16 x 3/4 C5ZY	6	26	50354117	DECAL, ATTACHMENT BRACKET	1
02	275523	COVER	1	27	139109	DECAL, LATCHING (<i>right</i>)	1
03	274521	WELDMENT, QUICK ATTACH **	1	28	276045	TUBE, POWER QUICK ATTACH	1
04	210-31017	LN FL CTR 5/16" CFZY	2	29	087852	CLAMP, HOSE #06	2
05	50302097	SHOULDER BOLT 3/8"x1-3/4" *	2	30	128007	CLAMP, HOSE 0.62" x 0.41"	2
06	275798	WELDMENT, EXT. LINK (<i>right</i>)	1	31	650486	CS 5/16 x 1-1/2 C5ZY	1
07	570002	FITTING, GREASE 1/8 PTF	2	32	071701	LN 5/16 CBZY	1
08	068034	HLN INST 1/2 CZY	2	33	102524	CLAMP, TUBE 1.00"	2
09	650585	CS 1/2 x 2 C5ZY	2	34	102525	PLATE, TOP SINGLE SIZE 3	2
10	50300054	ACTUATOR, MOTOR LINEAR	1	35	650588	CS 1/4 x 1-1/2 C5ZY	4
11	275797	WELDMENT, EXT. LINK (<i>left</i>)	1	36	190950	CLAMP, TUBE 1.0 IN. TWIN ***	2
12	137169	LATCH LINK *	1	37	L69833	PLATE, TOP SIZE 2 TWIN ***	2
13	50350090	PIN, CLEVIS 7/16"x1-5/8" ZY *	1	38	650692	CS 5/16 x 1-3/4 C5ZY	2
14	137168	PIN LINK *	1	39	270064	QUICK ATTACH PIN ASSEMBLY	2
15	137386	PIN *	1			(includes items 4, 5, and 12-17)	
16	137170	LATCH PIN *	1				
17	655006	COTTER PIN 1/8" x 1" Z *	1				
18	275629	WIRE HARNESS, QUICKATTACH	1				
19	071401	HLN INST 1/4 CZY	2				
	651094	CB 1/4x1-1/4 C5ZY (<i>not shown</i>)	2				
20	275380	RELAY, DPDT TROMBETTA	1				
21	134851	LN FL SPIRALOCK 5/16 FZY	4				
22	275687	WIRE HARNESS, QA POWER	1				
	656047	HN M6-1 CA ZY DIN934 (<i>not shown</i>)	1				
23	273369	TIE/TREE MOUNT	2				
25	139107	DECAL, LATCHING (<i>left</i>)	1				

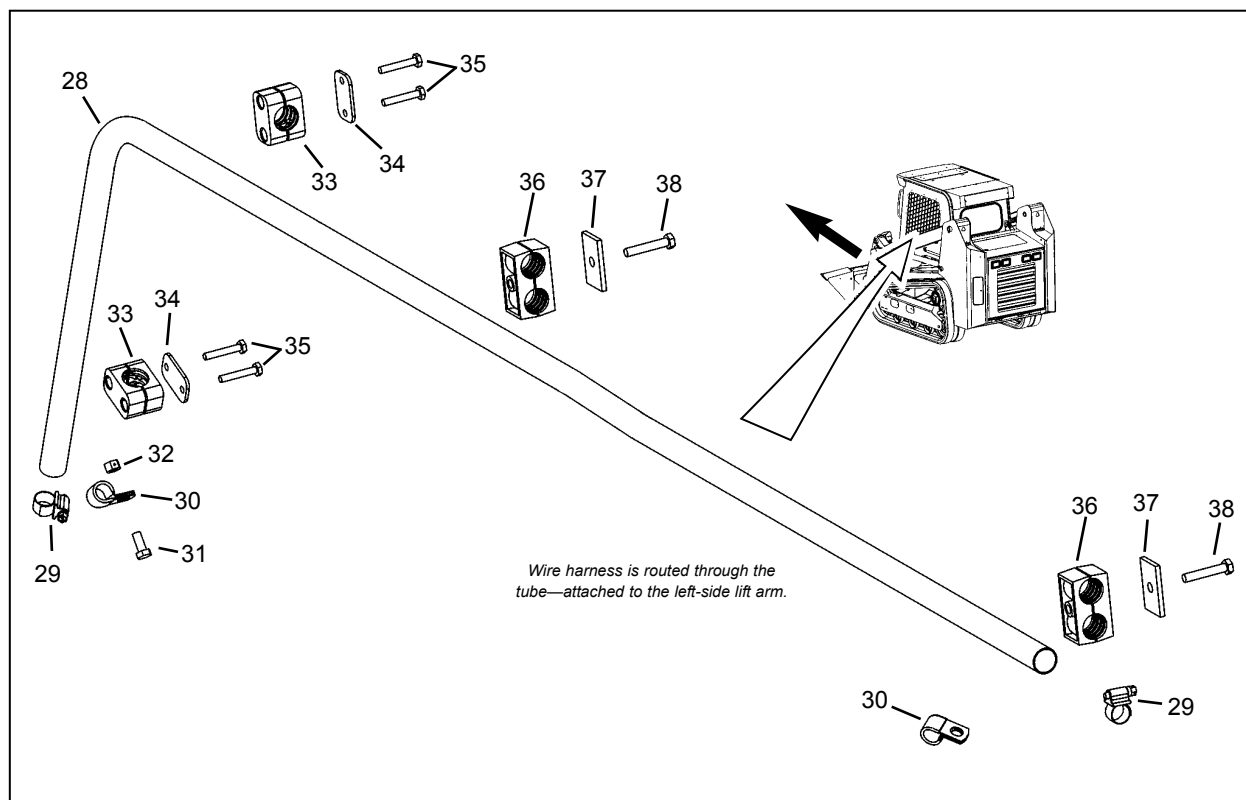
-- ITEMS NOT SHOWN --

--	055648	TIE, CABLE 0.19 x 7.50	AR
--	074091	TIE, CABLE 0.19 x 14.50	AR

* Quantity is for one side. Item 39 includes these parts, be sure when ordering parts to not duplicate parts; order the individual parts needed, or the assembly (item #39). Items 4 and 5 are included with item #39.

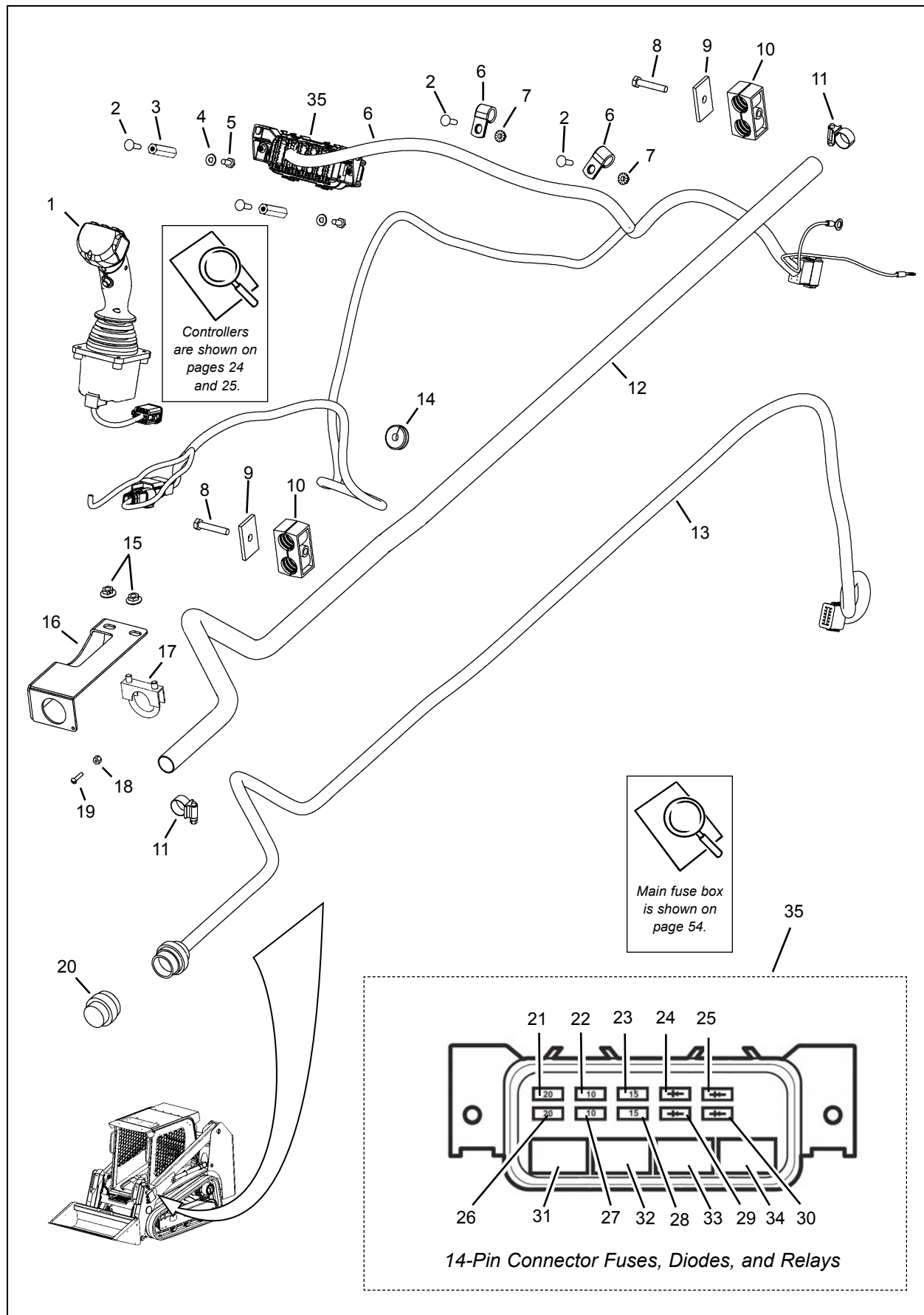
** Refer to the previous page for pins, hardware, and other items not shown here.

*** Early machines used items 33-35 in place of items 36-38, order items 33-35 for early machines.



RT210 - LOADER ARM

14-PIN CONNECTOR (OPTION)



RT210 - LOADER ARM 14-PIN CONNECTOR (OPTION)

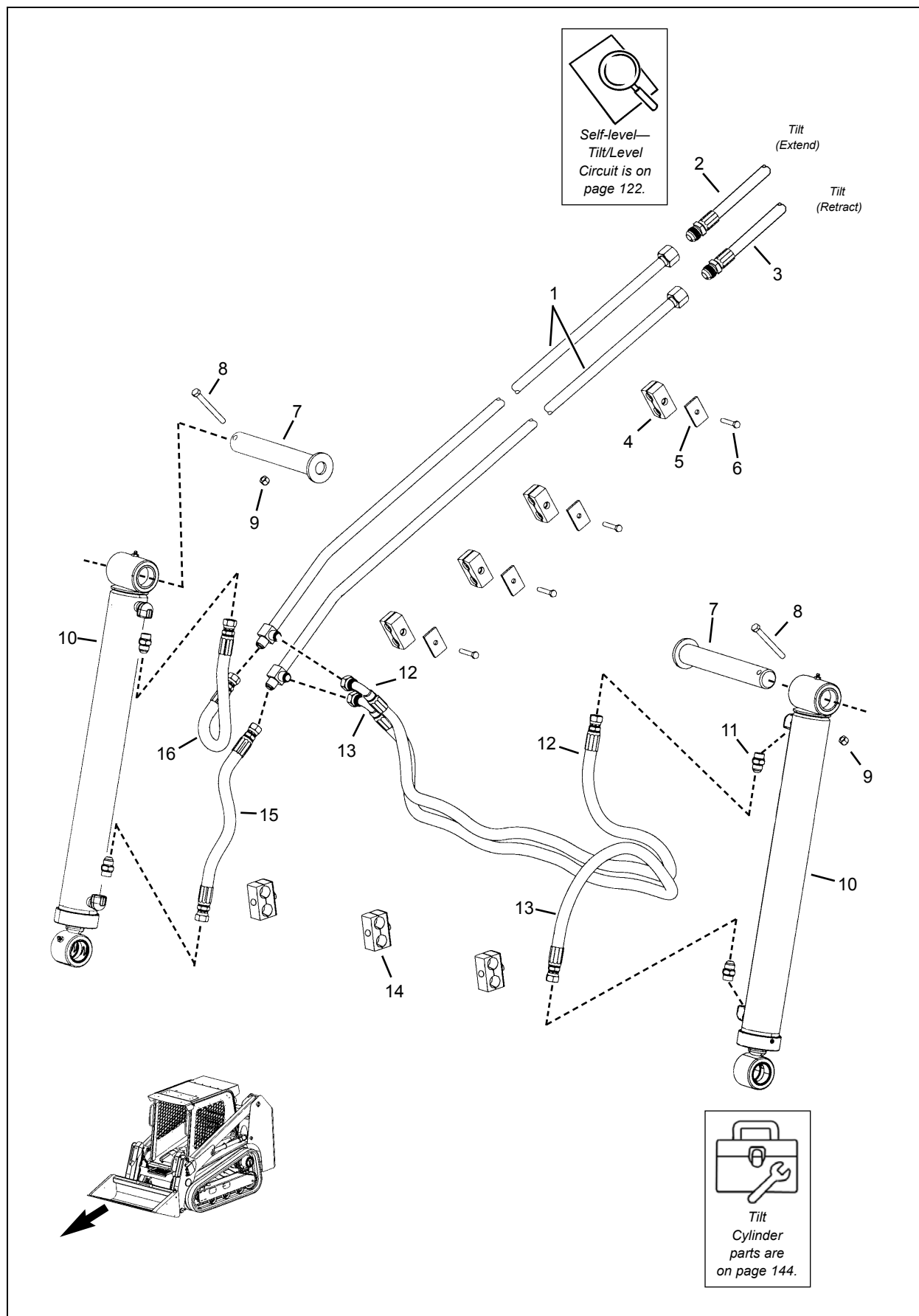
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50301592	JOYSTICK, 14-PIN	1	18	210-32183	NUT, #8-32	1
02	651086	CB 1/4" x 1" C5ZY	4	19	310-32288	SCREW, #8-32 x 3/4"	1
03	50302118	STAND-OFF, 1/4"-20 x 2"	2	20	194507	DUST CAP <i>(with chain-not shown)</i>	1
04	650863	FW 1/4" ANZY	2	21	184629	FUSE, MINI 20 AMP	1
05	650663	CS 1/4" x 5/8" C5ZY	2	22	184631	FUSE, MINI 10 AMP	1
06	50301778	WIRE HARNESS, 14-PIN AUX. <i>(includes items 21-34, and fuse box #35)</i>	1	23	184630	FUSE, MINI 15 AMP	1
07	070634	LN LG FL SERR 1/4 CZ	2	24	187347	DIODE, ISO 280 MINI/1A 400VDC	1
08	650692	CS 5/16" x 1-3/4" C5ZY	2	25	187347	DIODE, ISO 280 MINI/1A 400VDC	1
09	079098	PLATE, TOP SIZE 2 TWIN	2	26	184629	FUSE, MINI 20 AMP	1
10	190950	CLAMP, TUBE 1.0 IN. TWIN	2	27	184631	FUSE, MINI 10 AMP	1
11	087852	CLAMP, HOSE #06	2	28	184630	FUSE, MINI 15 AMP	1
12	50301967	TUBE, 14-PIN ROUTING	1	29	187347	DIODE, ISO 280 MINI/1A 400VDC	1
13	50301781	WIRE HARNESS, 14-PIN CONN.	1	30	187347	DIODE, ISO 280 MINI/1A 400VDC	1
14	242633	GROMMET 3/8" ID 1" OD	1	31	272723	RELAY, MICRO ISO 290	1
15	210-31017	HN LF CLOC 5/16 CZY	2	32	272723	RELAY, MICRO ISO 290	1
16	50301976	BRACKET, 14-PIN CONN.	1	33	272723	RELAY, MICRO ISO 290	1
17	50301964	CLAMP, MUFFLER 1-1/8"	1	34	272723	RELAY, MICRO ISO 290	1
				35	NSS	FUSE BOX PANEL <i>(included with #6)</i>	1

14-Pin Connector Fuse Panel Reference

Item No.	Description / Rating	Function
21	FUSE, MINI 20A	MAIN FUSE TO ARMING RELAY
22	FUSE, MINI 10A	POWER TO JOYSTICK
23	FUSE, MINI 15A	POWERS RELAYS 12, 13, AND 14 (POWER TO 14-PIN CONNECTOR PINS A, C, AND D)
24	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 2 (UP)
25	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 3 (UP)
26	FUSE, MINI 20A	SPARE FUSE
27	FUSE, MINI 10A	SPARE FUSE
28	FUSE, MINI 15A	SPARE FUSE
29	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 2 (DOWN)
30	DIODE, 1A, 400VDC	PARALLEL TO JOYSTICK SWITCH 3 (DOWN)
31	RELAY, N.O. 35A / N.C. 20A	ARMS SWITCHES AND RELAYS
32	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN A
33	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN C
34	RELAY, N.O. 35A / N.C. 20A	POWER TO 14-PIN CONNECTOR PIN C

RT210 - LOADER ARM HYDRAULICS

TILT CIRCUIT



RT210 - LOADER ARM HYDRAULICS

TILT CIRCUIT

Item No.	Part No.	Description	Qty.
01	273459	TUBE, TILT - OUTER	2
02	274039	HOSE, MP 8 x 119.0 IN.	1
03	274039	HOSE, MP 8 x 119.0 IN.	1
04	079097	CLAMP, TUBE 0.75 (<i>twin</i>)	4
05	L69833	PLATE, TOP SIZE 2 (<i>twin</i>)	4
06	650692	CS 5/16 x 1-3/4 C5ZY	4
07	271250	PIN, TILT CYLINDER (<i>base end</i>)	2
08	650731	CS 3/8 x 3-1/2 C5ZY	2
09	067847	HLN INST 3/8 CZY	2
10	274674	CYLINDER, TILT	2
11	054626	ST MJ08-MORB08	4
12	273863	HOSE, MP 8 x 67.5 IN.	1

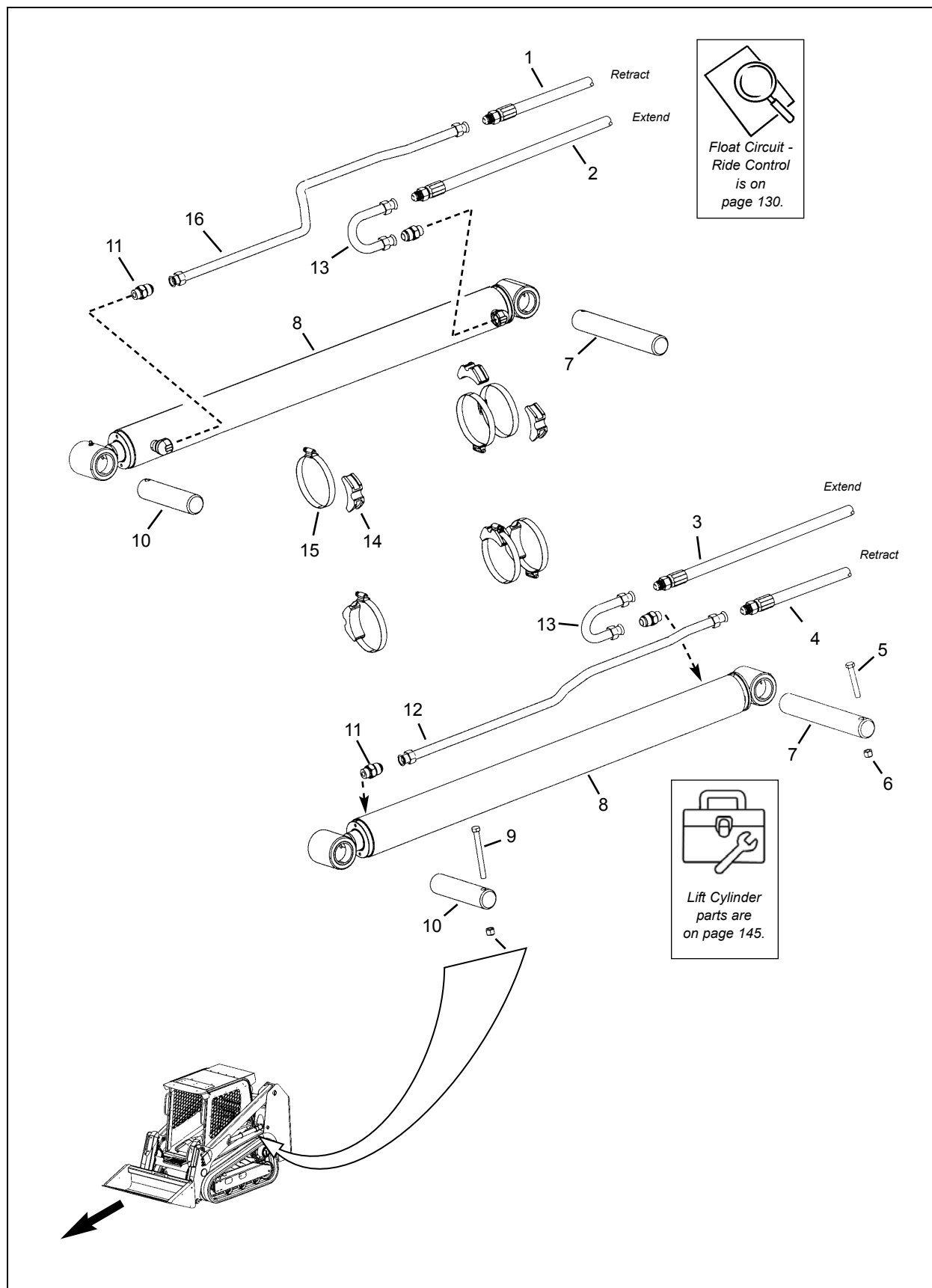
Item No.	Part No.	Description	Qty.
13	273863	HOSE, MP8 X 67.5 IN.	1
14	271282	CLAMP, HOSE 19mm (<i>twin</i>)	3
	L69833	PLATE, TOP SIZE 2 TWIN	3
	650692	CS 5/16 x 1-3/4" C5ZY	3
15	273689	HOSE, MP 8 x 19 IN.	1
16	273689	HOSE, MP 8 x 19 IN.	1

HOSE CONNECTION:

#02 connects to self-level valve (D)
 #03 connects to self-level valve (C)
 #12 (*see illustration on facing page*)
 #13 (*see illustration on facing page*)
 #15 (*see illustration on facing page*)
 #16 (*see illustration on facing page*)

RT210 - LOADER ARM HYDRAULICS

LIFT CIRCUIT



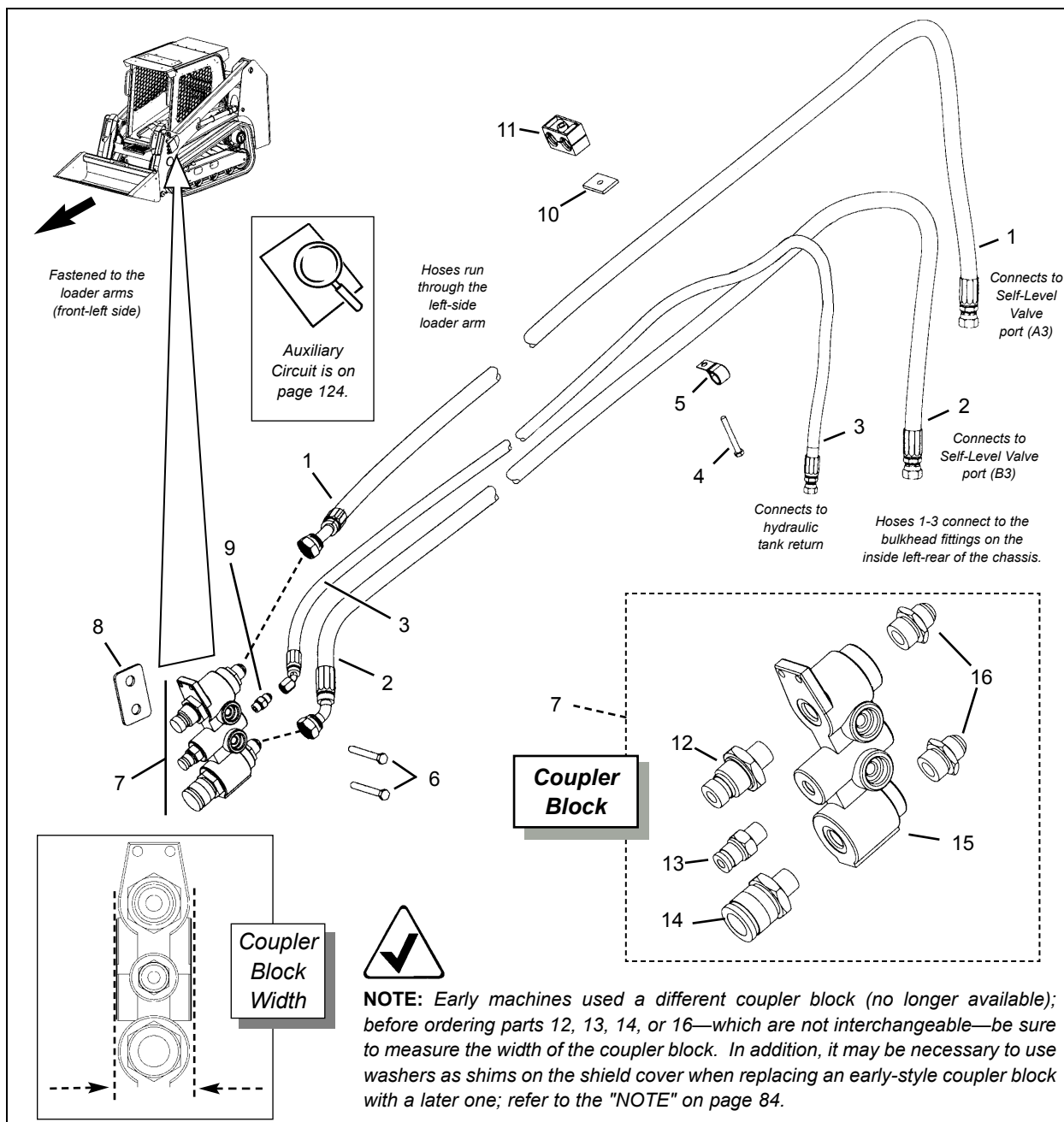
RT210 - LOADER ARM HYDRAULICS

LIFT CIRCUIT

Item				Item			
No.	Part No.	Description	Qty.	No.	Part No.	Description	Qty.
01	273893	HOSE, MP8 x 66.0 IN.	1	09	650818	CS 3/8 x 3 IN. C5ZY	2
02	273892	HOSE, MP8 x 45.0 IN.	1	10	271365	PIN	2
03	273893	HOSE, MP8 x 66.0 IN.	1	11	230-30569	ST MJ10-MORB08	4
04	273892	HOSE, MP8 x 45.0 IN.	1	12	50300067	TUBE, LIFT CYLINDER (LEFT)	1
05	650492	CS 3/8 x 2-1/2 C5ZY	2	13	273844	TUBE, LIFT CYLINDER	2
06	067847	HLN INST 3/8 CZY	4	14	273451	CLAMP, SADDLE 0.55 x 3.43 IN.	6
07	271248	PIN	2	15	420-29434	CLAMP, HOSE #56	6
08	274675	CYLINDER, LIFT	2	16	50300085	TUBE, LIFT CYLINDER (RIGHT)	1

RT210 - LOADER ARM HYDRAULICS

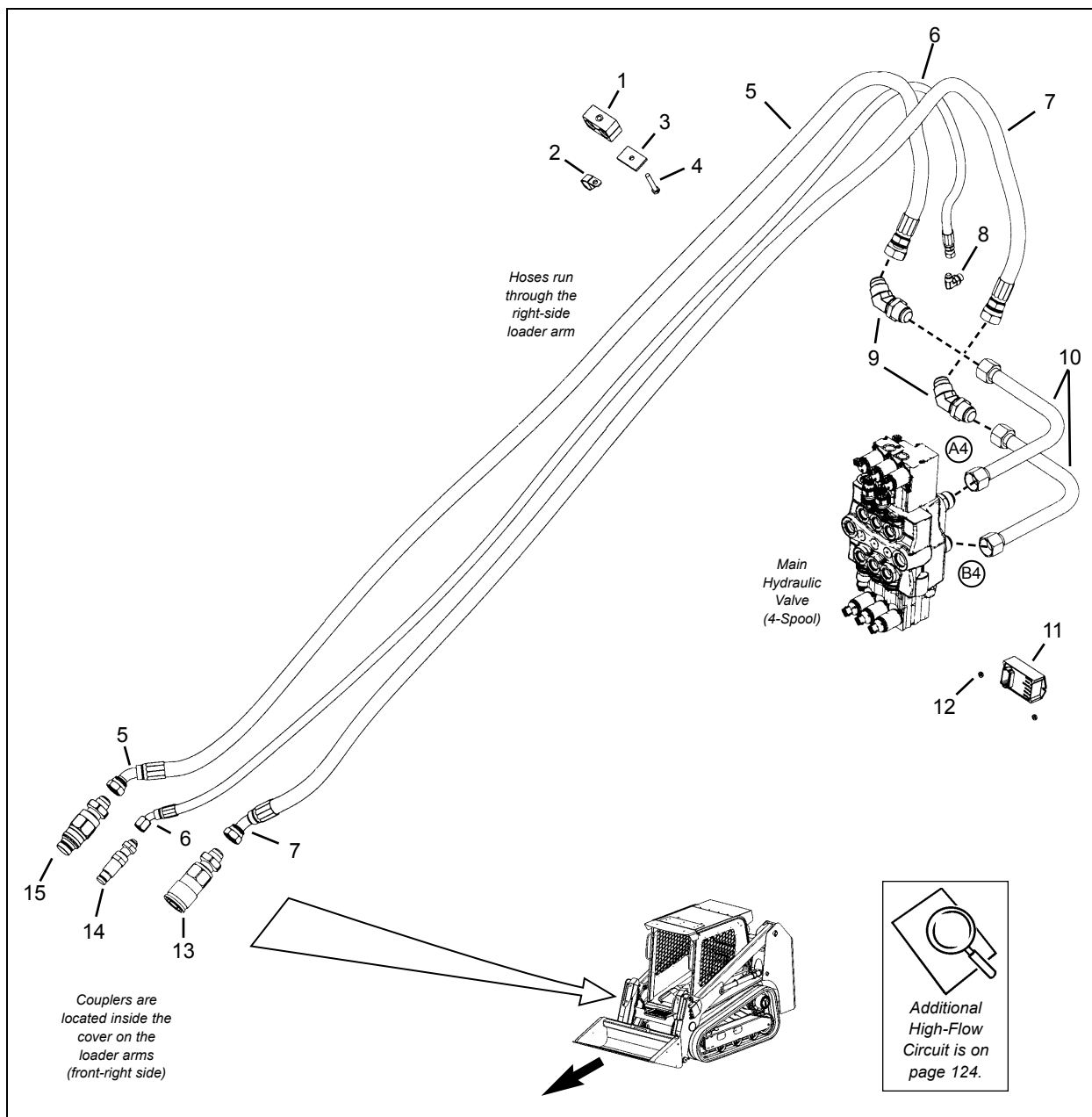
AUXILIARY CIRCUIT - (STANDARD)



Item No.	Part No.	Description	Qty.
01	273628	HOSE, MP10 x 104.0 IN.	1
02	273628	HOSE, MP10 x 104.0 IN.	1
03	273860	HOSE, MP6 x 103.0 IN.	1
04	650733	CS 5/16 x 2-1/2 C5ZY	1
05	136226	CLAMP, HOSE 0.75 x 0.41 (vinyl)	1
06	650581	CS 3/8 x 3 C8ZY	1
07	50352739	BLOCK, COUPLER W/PRESS. RELF. 1 (Includes items 12-16; see "NOTE" for more information.)	1
08	274598	SPACER, AUXILIARY COUPLER	1
09	054994	ST MJ06-MORB06	1
10	079098	PLATE, TOP	1
11	190950	CLAMP, TUBE 1.00 TWIN	1

Item No.	Part No.	Description	Qty.
12		COUPLER, MALE (flat face)	1
	50352909	Coupler block width 2.510" (62 mm)	
	184682	Coupler block width 2.280" (58 mm)	
13		COUPLER, RETURN (flat face)	1
	50352912	Coupler block width 2.510" (62 mm)	
	184684	Coupler block width 2.280" (58 mm)	
14		COUPLER, FEMALE (flat face)	1
	50352910	Coupler block width 2.510" (62 mm)	
	184683	Coupler block width 2.280" (58 mm)	
15	NSS	BLOCK, MANIFOLD	1
16		FITTINGS	2
	50352914	Coupler block width 2.510" (62 mm)	
	184685	Coupler block width 2.280" (58 mm)	

RT210 - LOADER ARM HYDRAULICS HIGH-FLOW HYDRAULICS CIRCUIT - (OPTION)



Item No.	Part No.	Description	Qty.
01	100541	CLAMP, HOSE 1.00 IN. TWIN	1
02	136226	CLAMP, HOSE .075" x 0.41"	1
03	079098	PLATE, SINGLE	1
04	650733	CS 5/16 x 2-1/2 C5ZY	1
05	273631	HOSE, MP 12 x 106.0 IN.	1
06	274114	HOSE, MP 6 x 110.0 IN.	1
07	273631	HOSE, MP 12 x 106.0 IN.	1
08	068938	90 MJ06-MAORB06	1
09	50300089	45 BLKHD MJ16-MJ16	2
10	273640	TUBE ASSEMBLY, -12 JIC	2
11	273361	CONTROLLER, HIGH-FLOW	1

Item No.	Part No.	Description	Qty.
12	651203	LN #10-24 CBZY	2
	651235	CB #10-24x1 -1/4" C2ZY (not shown)	2
13	137059	COUPLER, FEMALE MJ12	1
14	131958	COUPLER, MALE MJ08	1
15	137058	COUPLER, MALE MJ12	1

HOSE CONNECTION:

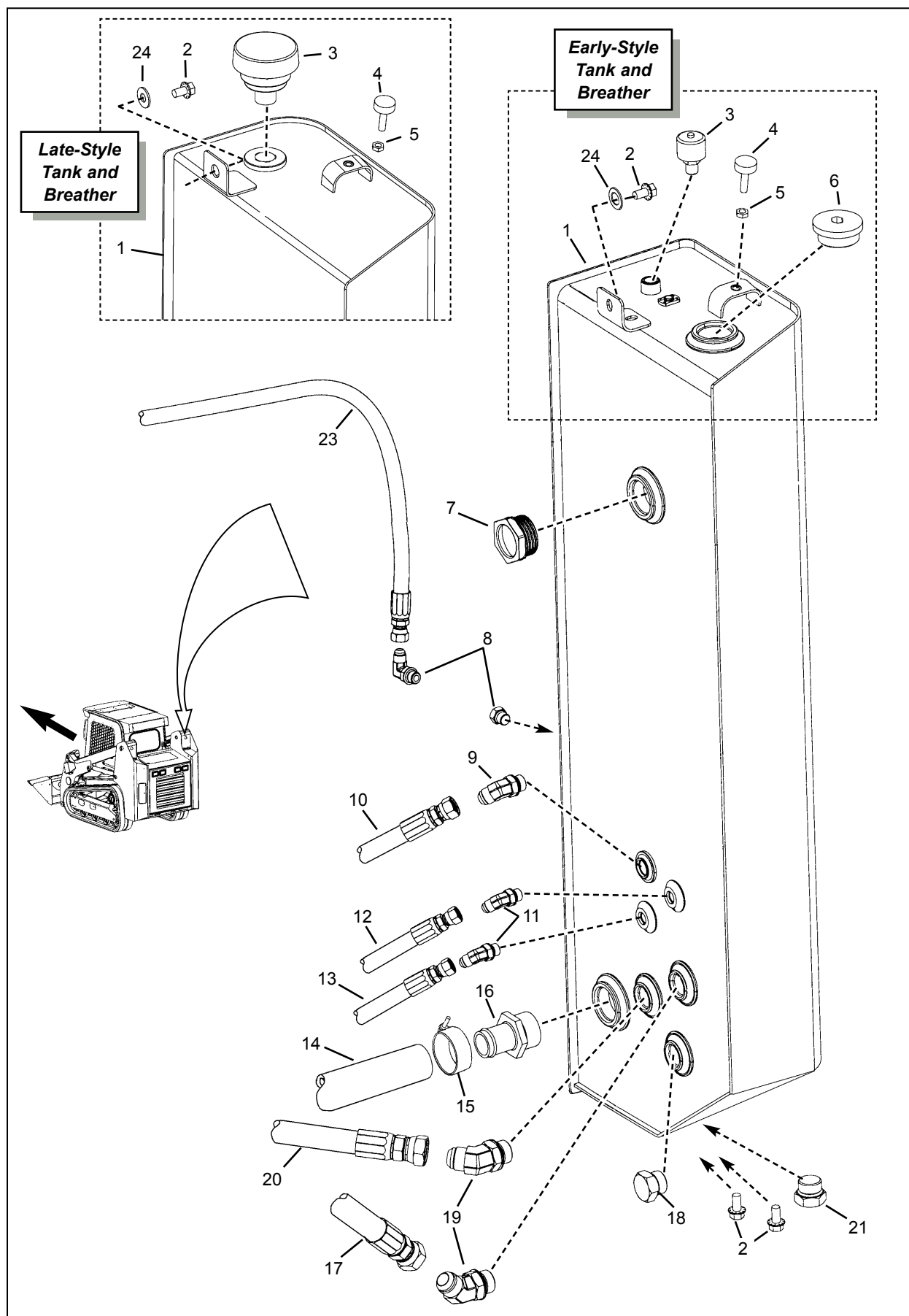
#05 connects to main hydraulic valve (A4)

#06 connects to hydraulic tank return

#07 connects to main hydraulic valve (B4)

RT210 - HYDRAULICS

HYDRAULIC TANK



RT210 - HYDRAULICS

HYDRAULIC TANK

Item No.	Part No.	Description	Qty.
01		HYDRAULIC TANK <i>(only)</i>	1
	50303765	Note a and c <i>(does not include item3)</i>	
	50302585	Note b <i>(Kit—includes tank and breather)</i>	
02	139438	CS FL LOCK 3/8" x 5/8"	AR
03		BREATHER <i>(refer to Figure 1-below)</i>	1
	138877	Note a	
	50302525	Note a <i>(-6 SAE ORB)</i>	
	128591	Note b <i>(3/8" NPT)</i>	
04	131913	BUMPER	1
05	653034	HLN 5/16" C2ZY	1
06	271689	PLUG, -24 <i>(hydraulic oil fill)</i>	1
	274125	O-RING	1
07	134756	SIGHT PORT <i>(oil level)</i>	1
08	122778	PLUG, MORB06 <i>(standard)</i> *	1
	068938	90 MJ06-MAORB06 <i>(option)**</i>	
09	076880	45 MJ08-MAORB08	1
10	273907	HOSE, MP8 x 49.0 IN.	1
11	079026	45 MJ06-MAORB06	2
12	273867	HOSE, MP 6 x 74.0 IN.	1
13	271956	HOSE, MP 4 x 62.0 IN.	1
14	50301897	HOSE, LP 20 x 88.0 IN. <i>(suction)</i>	1
	50300818	GUARD, POLY HOSE <i>(not shown)</i> ***	1
15	193743	CLAMP, T-BOLT 1.75 IN.	1
16	230-32412	ADAP., MAORB20-BARB	1
17	272052	HOSE, MP 12 x 23.5 IN	1
18	131522	PLUG MORB12	2
19	055064	45 MJ12-MAORB12	2

Item No.	Part No.	Description	Qty.
20	273885	HOSE, MP 12 x 69.5 IN.	1
21	131577	PLUG MORB10	1
23	274114	HOSE, MP 6 x 110.0 IN. **	1
24	654006	FW 3/8 AWZY	1

HOSE CONNECTION:

#10 connects to right-side drive motor (TEE)
 #12 connects to left-side chassis (bulkhead to loader arm)
 #13 connects to main valve (Port - T— bottom of valve)
 #14 connects to hydraulic gear pump (IN)
 #17 connects to hydraulic cooler (upper port)
 #20 connects to pilot pressure manifold (Port - T1)
 #23 connects to loader arm—right-side *(high-flow hydraulics; see "High-Flow Hydraulics Circuit" — previous page)*

* Used when machine is equipped with standard hydraulics option.

** Used when machine is equipped with high-flow hydraulics option.

*** Used to protect suction hose from chaffing on counter weight.

a SN 20956 - 921000

b SN 20955 and before

c Some units after serial number 20956 used breather 50302525 (refer to Figure 1). If the machine is equipped with breather 50302525, be sure to order tank 50302585—which includes the late-style breather (138877).

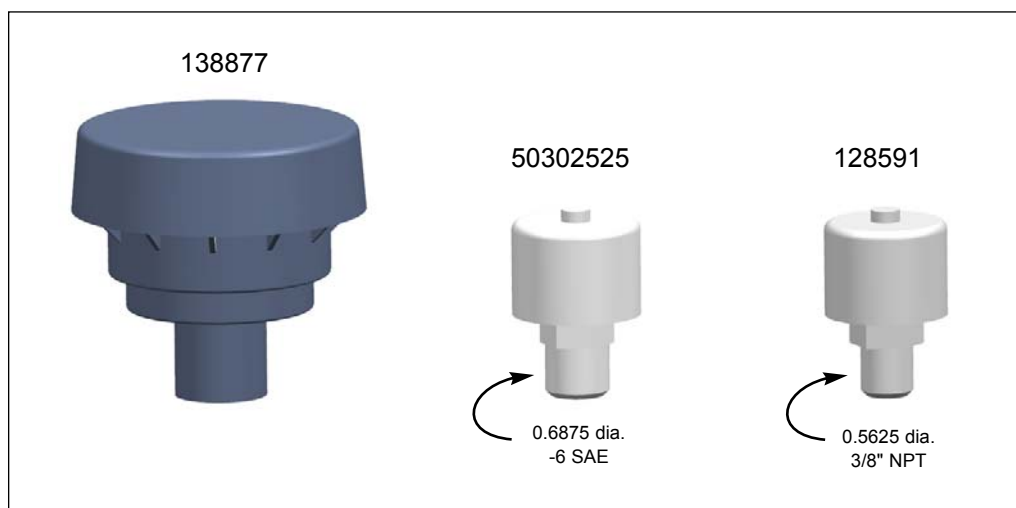
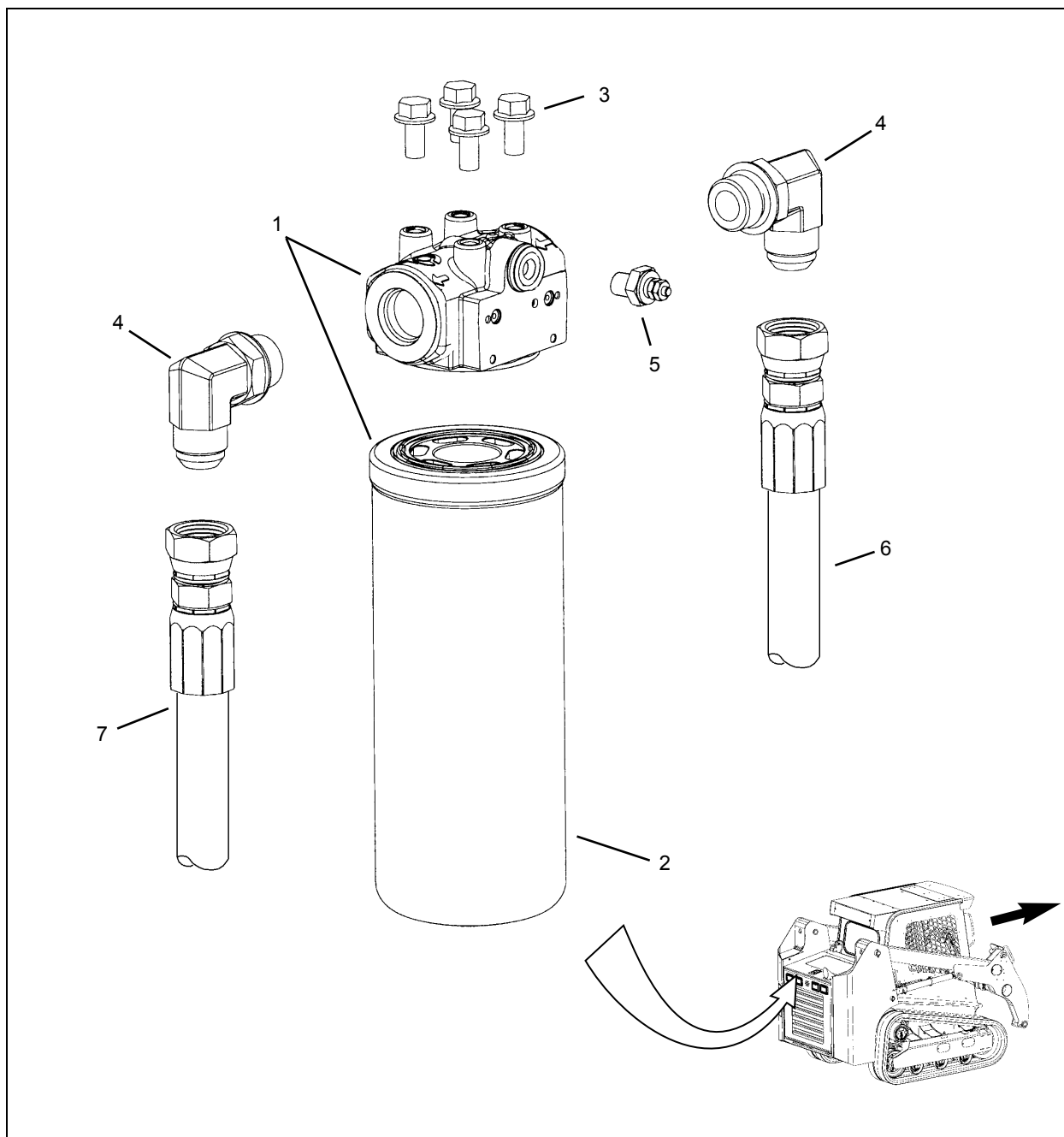


Figure 1.

RT210 - HYDRAULICS

HYDRAULIC FILTER ASSEMBLY



Item No.	Part No.	Description	Qty.
01	272452	HYDRAULIC FILTER ASSEMBLY (includes filter housing and filter - item#2)	1
02	074830	HYDRAULIC FILTER	1
03	139438	CS FL LOCK 3/8" x 5/8" C5ZY	4
04	055005	90 MJ12-MAORB12	2
05	137360	SWITCH, FILTER RESTRICTION	1
06		HOSE, MP 12	1
	50302218	Note a (58.0 inches long)-(Late Style)	
	272423	Note b (84.0 inches long)-(Early Style)	
07	270100	HOSE, MP12 X 55 IN.	1

HOSE CONNECTION:

#06 connects to hydraulic main valve (T)
 #07 connects to hydraulic cooler (tee - lower port)

- a Used with current machines.
- b Used on early machines. This hose can be replaced with the current hose 50302218; however, it will also be necessary to order items 13-15—shown on page 92—to re-route and secure the hose.

RT210 - HYDRAULICS

HYDRAULIC FILTER ASSEMBLY

Item No.	Part No.	Description	Qty.
01	272452	HYDRAULIC FILTER ASSEMBLY <i>(includes filter housing and filter - item#2)</i>	1
02	074830	HYDRAULIC FILTER	1
03	139438	CS FL LOCK 3/8" x 5/8" C5ZY	4
04	055005	90 MJ12-MAORB12	2
05	137360	SWITCH, FILTER RESTRICTION	1

Item No.	Part No.	Description	Qty.
06		HOSE, MP 12	1
	50302218	<i>Note a (58.0 inches long)-(Late Style)</i>	
	272423	<i>Note b (84.0 inches long)-(Early Style)</i>	
07	270100	HOSE, MP12 X 55 IN.	1

HOSE CONNECTION:

#06 connects to hydraulic main valve (T)

#07 connects to hydraulic cooler (tee - lower port)

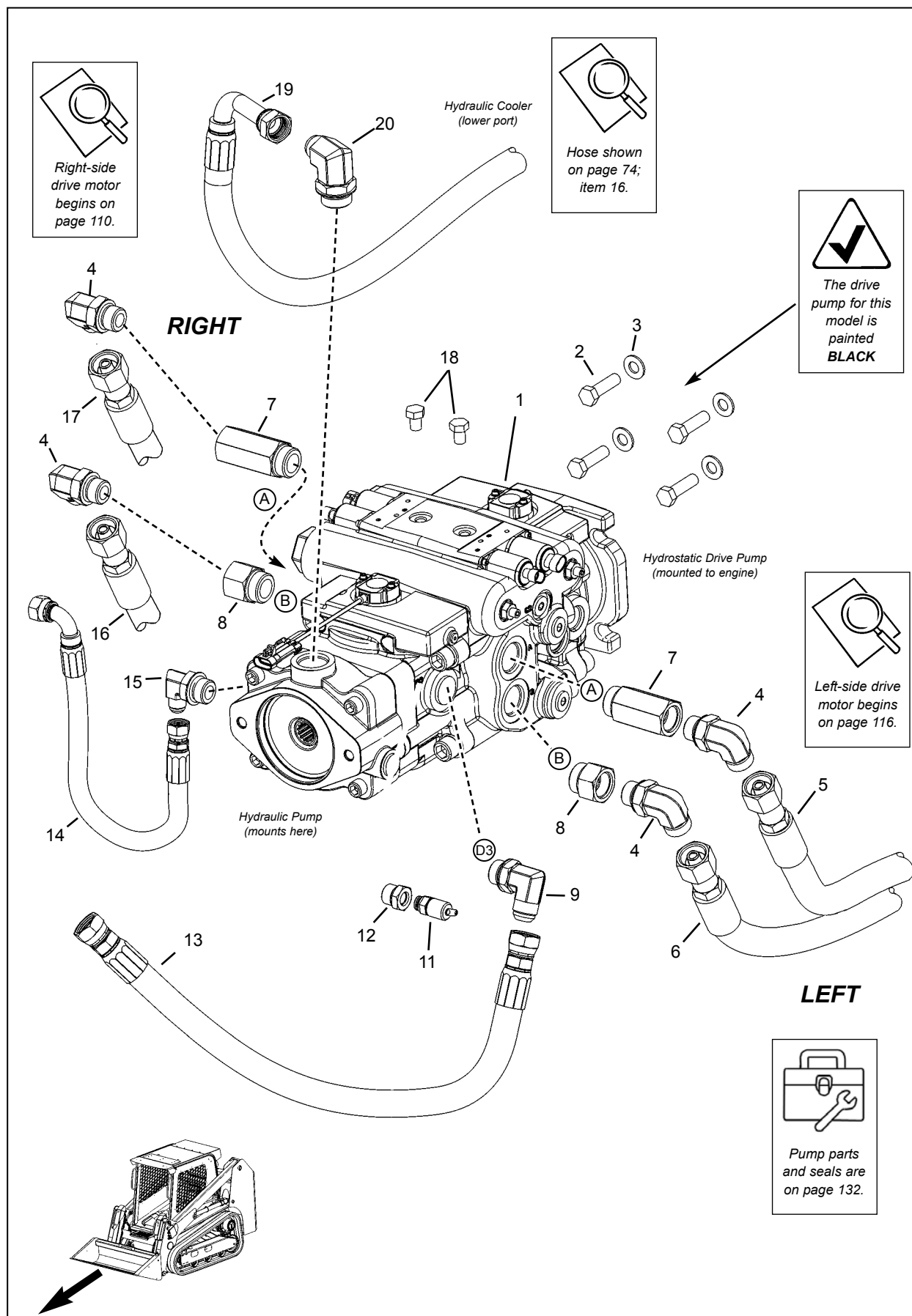
a Used with current machines.

b Used on early machines. This hose can be replaced with the current hose 50302218; however, it will also be necessary to order items 13-15—shown on page 92—to re-route and secure the hose.

RT210 - HYDRAULICS

HYDROSTATIC DRIVE PUMP CIRCUIT

(SN 21072 - 921000)



RT210 - HYDRAULICS
HYDROSTATIC DRIVE PUMP CIRCUIT
(SN 21072 - 921000)

Item No.	Part No.	Description	Qty.
01	272007	PUMP, EH TANDEM HYDRO 49cc	1
02	273445	CS 1/2" x 1-3/4" SP C5ZY	4
03	145833	FW 1/2" HT ZY	4
04	272867	90 MC20-MAORB12-S	4
05	50302509	HOSE, HP -12 x 29.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
06	50302511	HOSE, HP -12 x 31.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
07	50302376	ST MORB12-FORB12 SP	2
08	50300121	ST MORB16-FORB12	2
09	055005	90 MJ12-MAORB12	1
10	273883	HOSE, MP 12 x 30.0 IN.	1

Item No.	Part No.	Description	Qty.
11	193562	TEST PORT - 9/16-18 UNF	1
12	L51763	ST MORB10-FORB06	1
13	273883	HOSE, MP -12 x 30.0 IN.	1
14	273926	HOSE, MP -8 x 22.25 IN.	1
15	076031	90 MJ08-MAORB10	1
16	50302509	HOSE, HP -12 x 29.0 IN.	1
17	50302510	HOSE, HP -12 x 25.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
18	651668	CS M12-1.75x16 C8.8 ZY DIN931	2
19	272046	HOSE, MP -12 x 61.0 IN.	1
20	121684	90 MJ12-MAORB16	1

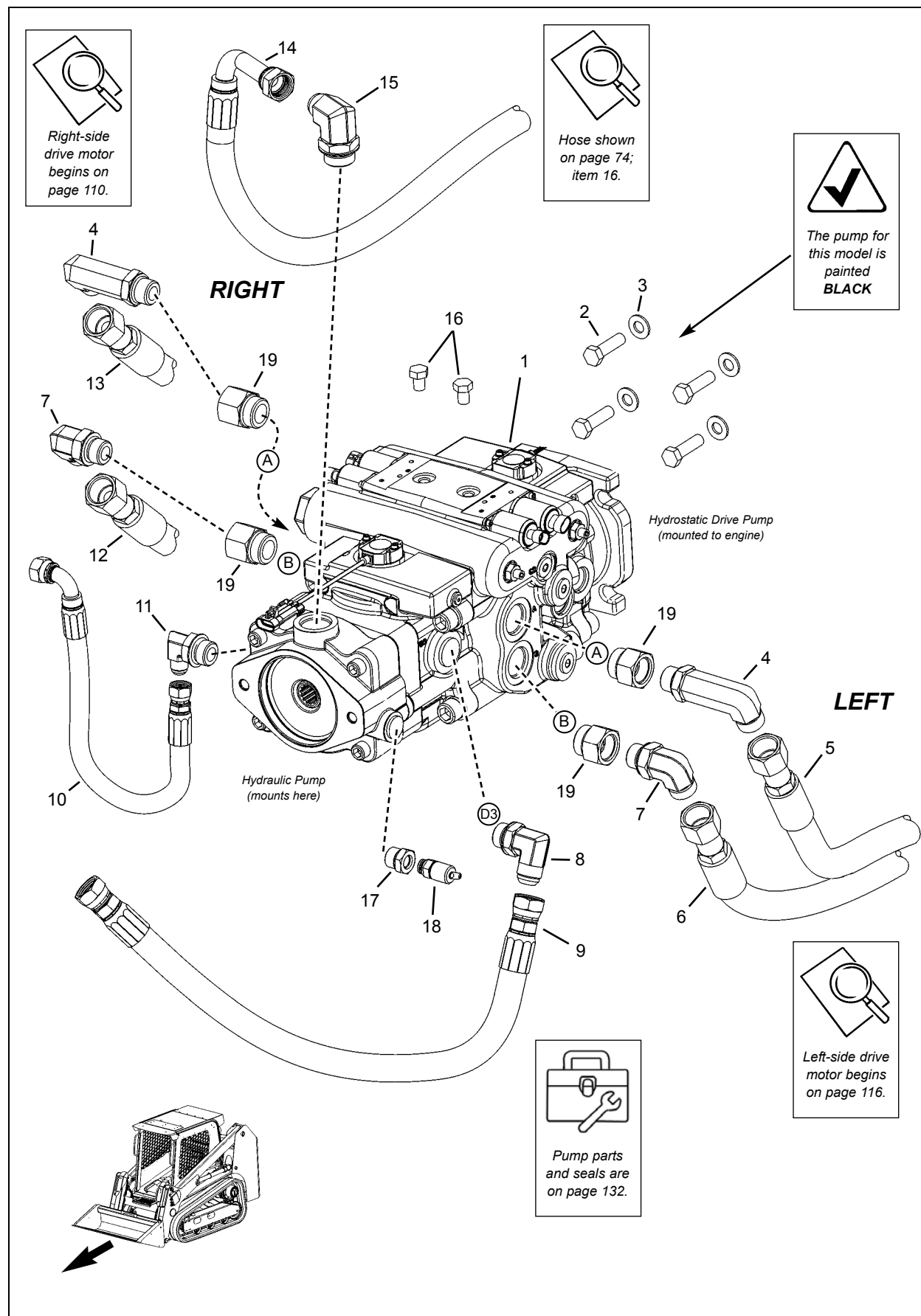
-- ITEMS NOT SHOWN --

--	50300605	GUARD, POLY HOSE 1.0 x 20.0 IN.	4
		<i>(used with items 5, 6, 16, and 17)</i>	

RT210 - HYDRAULICS

HYDROSTATIC DRIVE PUMP CIRCUIT

(SN 21071 and before)



RT210 - HYDRAULICS

HYDROSTATIC DRIVE PUMP CIRCUIT

(SN 21071 and before)

Item No.	Part No.	Description	Qty.
01	272007	PUMP, EH TANDEM HYDRO 49cc	1
02	273445	CS 1/2" x 1-3/4" SP C5ZY	4
03	145833	FW 1/2" HT ZY	4
04	50300126	90-L MFS12-MAORB16	2
05	274333	HOSE, HP 12 x 39.25 IN.	1
06	274334	HOSE, HP 12 x 42.25 IN.	1
07	271902	90 MFS12-MAORB16	2
08	055005	90 MJ12-MAORB12	1
09	273883	HOSE, MP 12 x 30.0 IN.	1
10	273926	HOSE, MP 8 x 22.25 IN.	1
11	076031	90 MJ08-MAORB10	1
12	274333	HOSE, HP 12 x 39.25 IN.	1
13	274336	HOSE, HP 12 x 36.75 IN.	1
14	272046	HOSE, MP 12 x 61 IN.	1

Item No.	Part No.	Description	Qty.
15	121684	90 MJ12-MAORB16	1
16	651668	CS M12-1.75x16 C8.8 ZY DIN931	2
17	L51763	ST MORB10-FORB06	1
18	193562	TEST PORT - 9/16-18 UNF	1
19	50300121	ST MORB16-FORB12	4

HOSE CONNECTION:

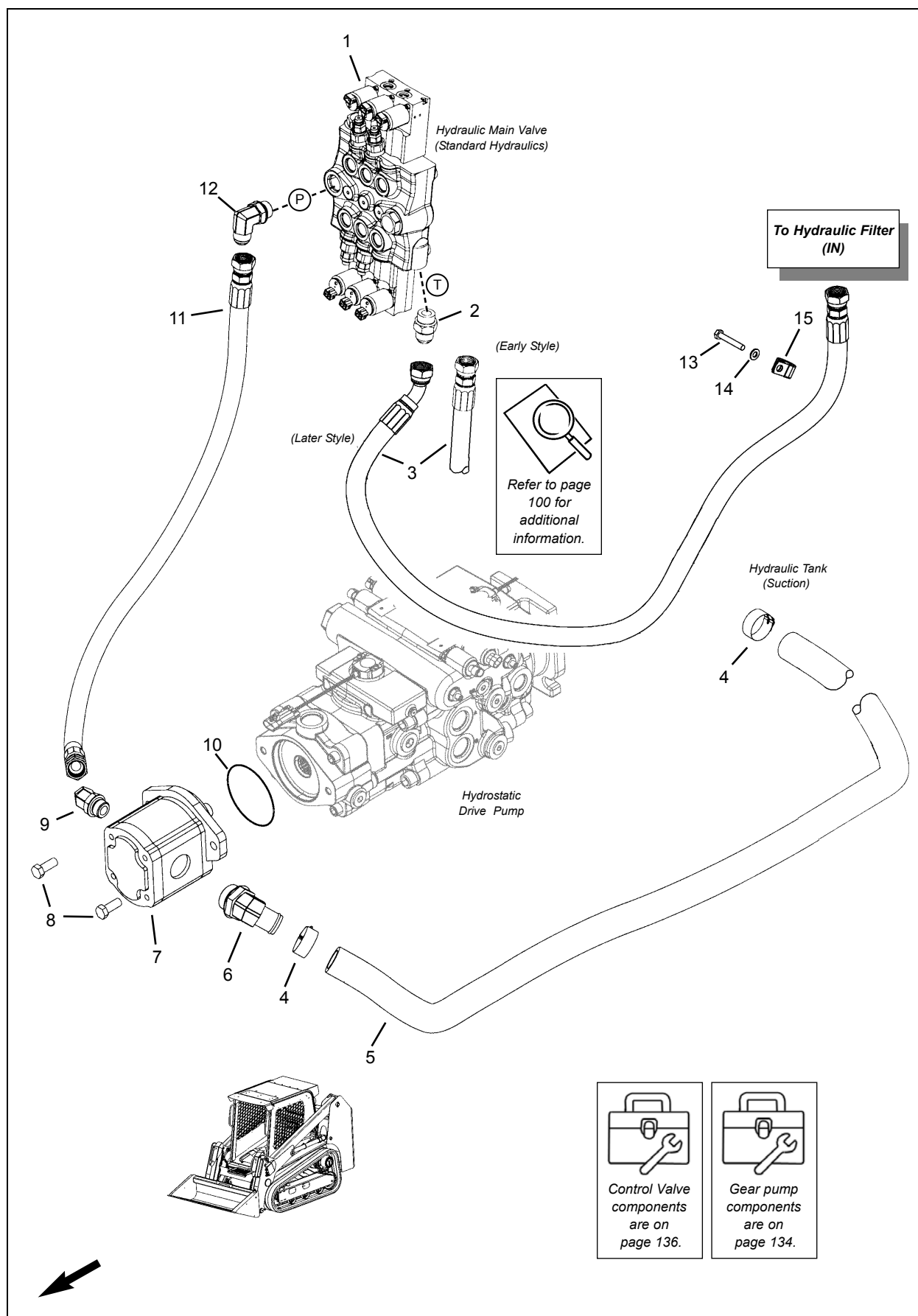
#05 connects to left-side drive motor
 #06 connects to left-side drive motor
 #09 connects to pilot pressure manifold (DR)
 #10 connects to pilot pressure manifold (P)
 #12 connects to right-side drive motor
 #13 connects to right-side drive motor
 #14 connects to hydraulic cooler (lower tee)



IMPORTANT: *Be aware that items 4, 5, 6, 7, and 19 shown here may be different from what is actually on the machine. It is possible that the fittings and hoses were replaced after the machine left the factory. A kit to improve access to the engine oil drain was offered after this machine was built, and might have been installed. The kit (P/N 50303373) uses the fittings and hoses identified on page 102; items 4, 5, 6, 7, and 8, and item 4 on page 116. Before ordering items 4, 5, 6, 7, or 19, be sure to measure the length of the hoses. If they are shorter than item 5 or item 6, order from the part numbers on page 102 (items 4-8) and page 116 (item 4). This only effects the left side track drive hoses.*

RT210 - HYDRAULICS

HYDRAULIC PUMP CIRCUIT - (STANDARD HYDRAULICS)



RT210 - HYDRAULICS

HYDRAULIC PUMP CIRCUIT - (STANDARD HYDRAULICS)

Item No.	Part No.	Description	Qty.
01	50302471	VALVE, 3-SPOOL EH CONTROL	1
02	072587	ST MJ12-MORB12	1
03		HOSE, MP 12	1
	50302218	<i>Note a - (58.0 inches long)</i>	
	272423	<i>Note b - (84.0 inches long)</i>	
04	193743	CLAMP, T-BOLT 1.75 IN	2
05	50301897	HOSE, LP 20 x 88.0 IN.	1
	50300818	GUARD, POLY HOSE <i>(not shown)</i> *	1
06	193665	45 HB20-MAORB20	1
07	<i>Note c</i>	GEAR PUMP	1
08	50280004	CS 1/2 x 1-1/4 SP C5ZY	2
09	055064	45 MJ12-MAORB12	1
10	132248	O-RING	1
11	272950	HOSE, MP 12 x 41.0 IN.	1

Item No.	Part No.	Description	Qty.
12	055005	90 MJ12-MAORB12	1
13	650568	CS 5/16 x 2 C5ZY	1
14	650810	FW 5/16 ANZY	1
15	L45666	CLAMP, HOSE 1.0 x 0.41	1

HOSE CONNECTION:

#03 connects to hydraulic filter (IN).

#05 connects to hydraulic tank (SUCTION).

#11 connects to hydraulic main valve (P)

* *Wraps around suction hose near hydraulic tank to protect suction hose from chaffing on counterweight.*

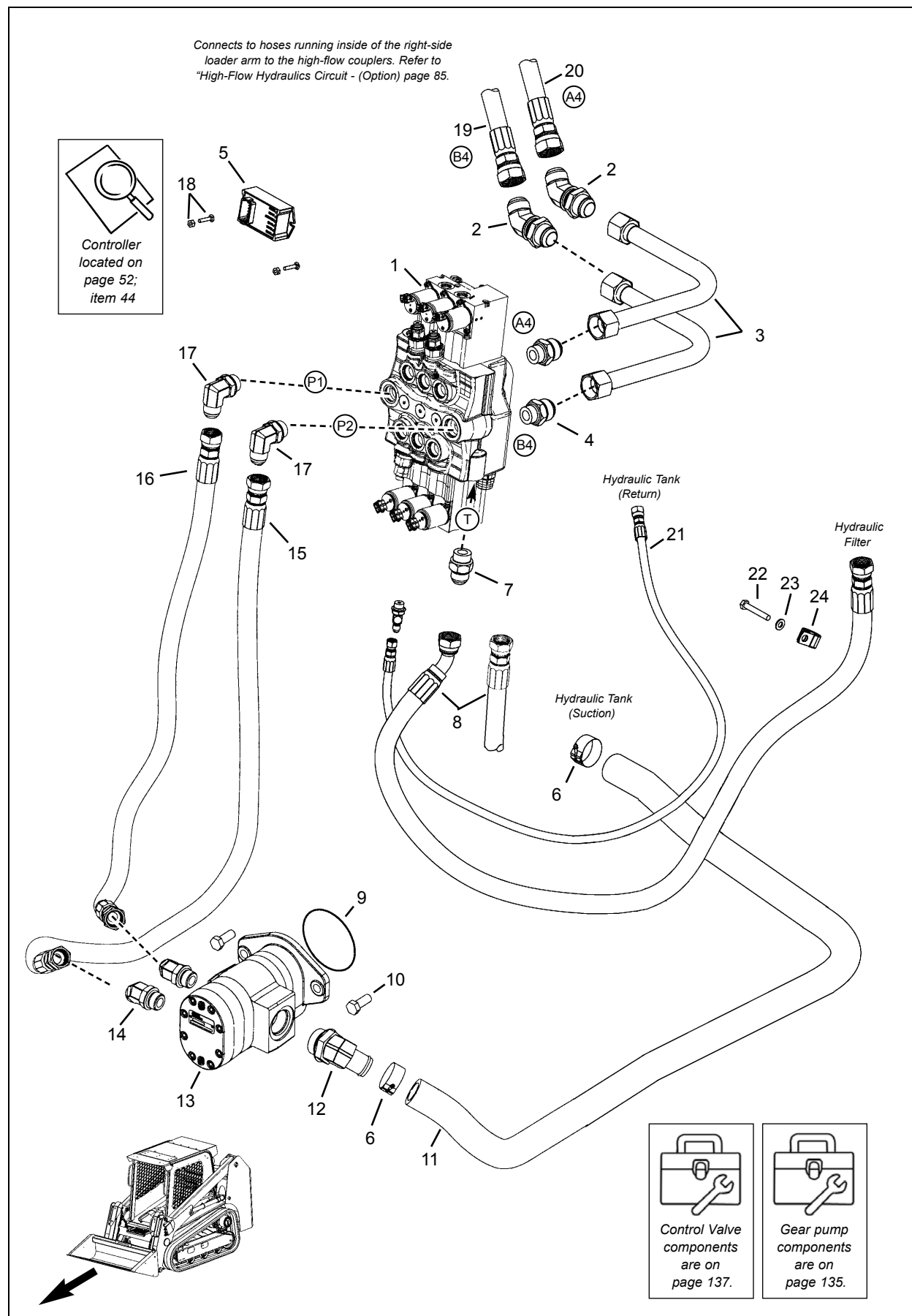
a *Used with later machines.*

b *Used on early machines. This hose can be replaced with the current hose 50302218; however, it will also be necessary to order items 13-15 to reroute and secure the hose.*

c *Refer to page 134 for more information.*

RT210 - HYDRAULICS

HYDRAULIC PUMP CIRCUIT - (HIGH-FLOW HYDRAULICS — OPTION)



RT210 - HYDRAULICS

HYDRAULIC PUMP CIRCUIT - (HIGH-FLOW HYDRAULICS — OPTION)

Item No.	Part No.	Description	Qty.
01	50302469	VALVE, 4-SPOOL EH CONTROL	1
02	50300089	45 BLKHD MJ16-MJ16	2
03	273640	TUBE ASSEMBLY, -12	2
04	054818	ST MJ16-MORB12	2
05	273361	HIGH-FLOW CONTROLLER	1
06	193743	CLAMP, T-BOLT 1.75 IN.	2
07	072587	ST MJ12-MORB12	1
08 ^a		HOSE, MP 12	1
	50302218	(58.0 inches long)	
	272423	(84.0 inches long)	
09	132248	O-RING 045 N70	1
10	50280004	CS 1/2 x 1-1/4 SP C5ZY	2
11	50301897	HOSE, LP 20 x 88.0 IN. (suction)	1
	50300818	GUARD, POLY HOSE (not shown) *	1
12	193665	45 HB20-MAORB20	1
13		PUMP, HYDRAULIC GEAR	1
	274666	31.8+22.5 IRON (shown) **	
	190597	2.0 x 1.4 (EU) (not shown) ***	
14	055064	45 MJ12-MAORB12	2
15 ^b		HOSE, MP 12	1
	50302344	(45.0 inches long)	
	271276	(50.0 inches long)	
16	272950	HOSE, MP 12 x 41.0 IN.	1
17	055005	90MJ12-MAORB12	2
18	651235	CB #10-24x1 -1/4 " C2ZY (not shown)	2
	651203	LN #10-24 CBZY	2
19	273631	HOSE, MP 12 x 106.0 IN.	1

Item No.	Part No.	Description	Qty.
20	273631	HOSE, MP 12 x 106.0 IN.	1
21	274371	HOSE, MP 4 x 61.0 IN.	1
	50302220	GUARD, HOSE 1.0 x 4 IN (not shown)	1
22	650568	CS 5/16 x 2 C5ZY	1
23	650810	FW 5/16 ANZY	1
24	L45666	CLAMP, HOSE 1.0 x 0.41	1

HOSE CONNECTION:

- #08 - hydraulic main valve (T) to hydraulic filter (IN)
- #11 - connects to hydraulic tank (SUCTION).
- #15 - hydraulic main valve (P2) to hyd. pump (front port)
- #16 - hydraulic main valve (P1) to hyd. pump (rear port)
- #19 - refer to page 85, item 7 for hose routing
- #20 - refer to page 85, item 5 for hose routing
- #21 - hydraulic main valve to hydraulic tank return

* Wraps around suction hose near hydraulic tank to protect suction hose from chaffing on counterweight.

** Not used on EU machines.

*** Used only on EU machines.

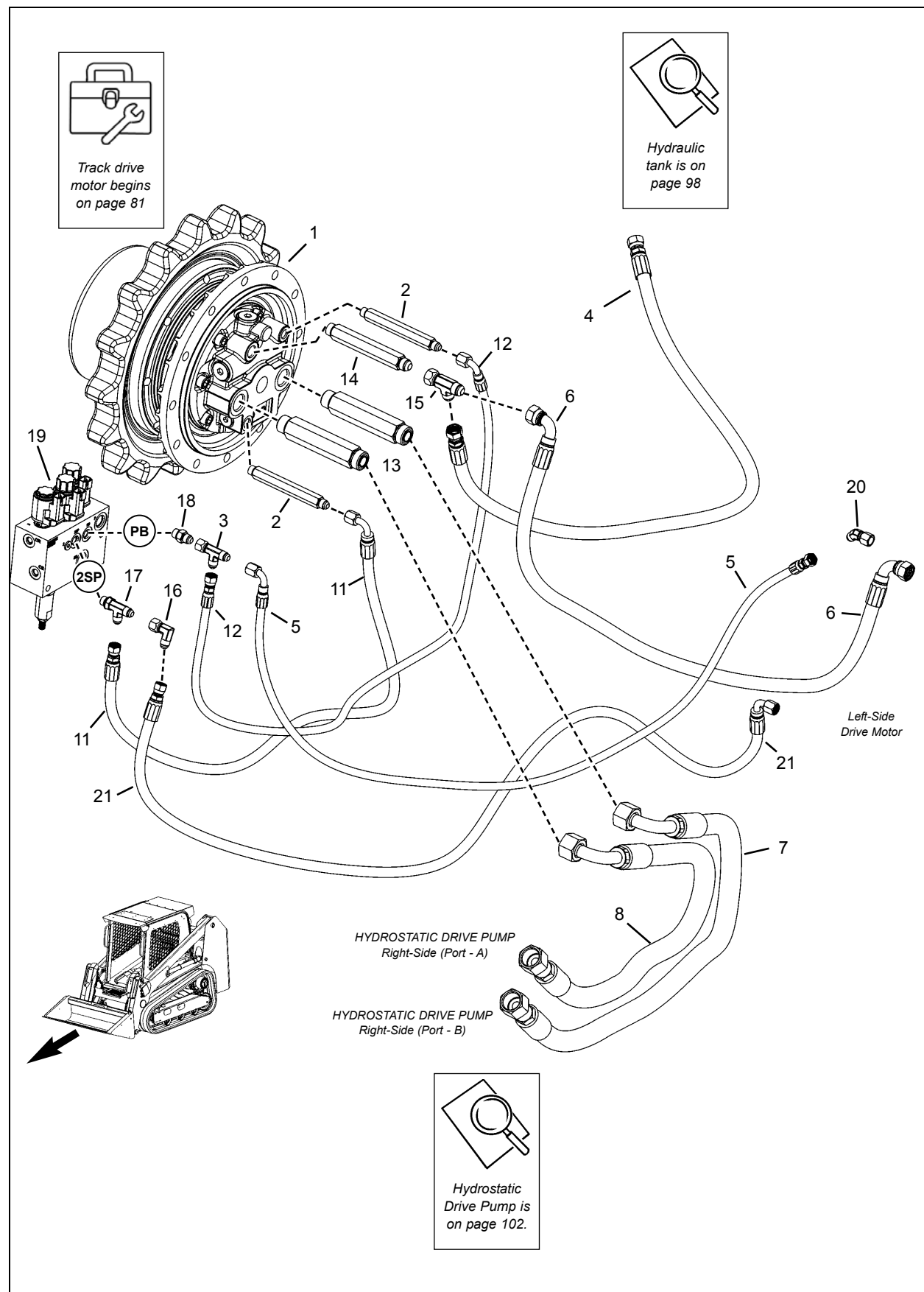
a Two different hose lengths were/are used; be sure to measure the length before ordering. Note: Hose 50302218 can be used in all applications; however, if originally equipped with the longer 272423 hose, it will also be necessary to order items 22-24 to reroute and secure the hose.

b Two different hose lengths were/are used; be sure to measure the length before ordering. Note: Hose 50302344 can be used in all applications; however, if originally equipped with the longer 271276 hose, it will be necessary to reroute and secure the hose.

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - RIGHT SIDE

(SN 21072 - 921000)



RT210 - HYDRAULICS
TRACK DRIVE CIRCUIT - RIGHT SIDE
(SN 21072 - 921000)

Item No.	Part No.	Description	Qty.
01	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(does not include sprocket)</i>	1
02	273650	ST-LN MJ060MORB06	2
03	072806	TEE MJ06-FJS06-MJ06 *	1
04	273907	HOSE, MP 8 x 49.0 IN.	1
05	50302080	HOSE, MP 4 x 53.5 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	50302509	HOSE, HP 12 x 29.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
	50300605	GUARD, HOSE POLY 1" x 20"	1
08	50302510	HOSE, HP 12 x 25.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
	50300605	GUARD, HOSE POLY 1" x 20"	1

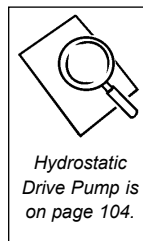
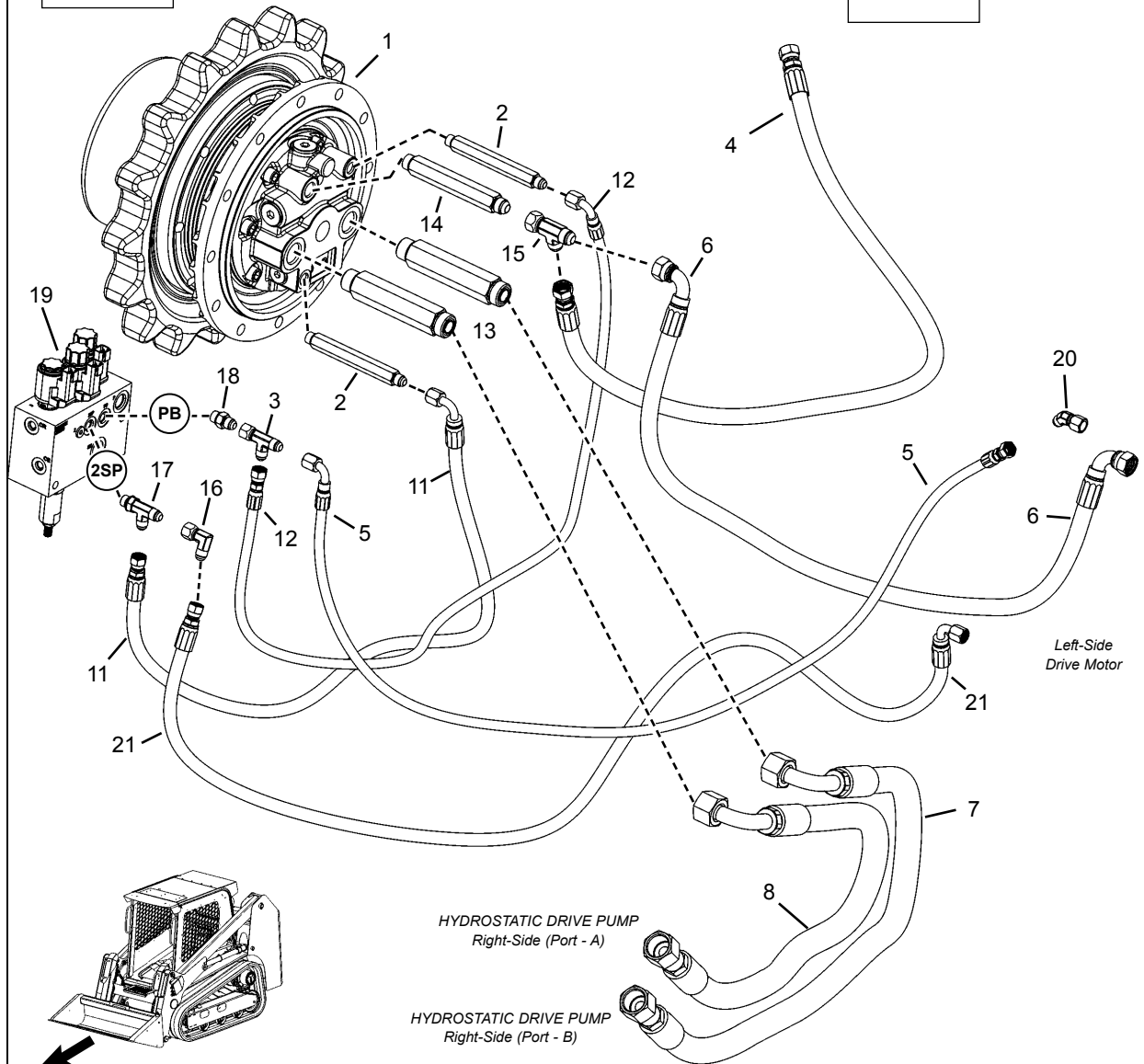
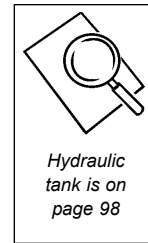
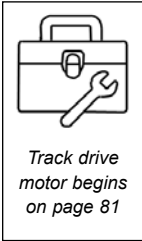
Item No.	Part No.	Description	Qty.
11	273915	HOSE, MP 6 x 44.0 IN.	1
12	50301629	HOSE, MP 4 x 56.0 IN <i>(park brake)</i>	1
13	50302378	ST MC20-MORB12-S SP	2
14	271709	ST-LN MJ08-MORB08	1
15	076143	TEE MJ08-FJS08-MJ08	1
16	091039	90 MJ06-FJS06 *	1
17	054820	T RUN MJ06-MAORB06-MJ06 *	1
18	054994	ST MJ06-MORB06 *	1
19	274477	MANIFOLD, PILOT PRESSURE *	1
20	095456	45 MJ06-FJS06 *	1
21	50301292	HOSE, MP 6 x 58.0 IN.*	1

* Avoid ordering duplicate parts; be aware that some of the same parts are shown on the next page.

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - RIGHT SIDE

(SN 20865 - 21071)



RT210 - HYDRAULICS
TRACK DRIVE CIRCUIT - RIGHT SIDE
(SN 20865 - 21071)

Item No.	Part No.	Description	Qty.
01 ^a	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(does not include sprocket)</i>	1
02	273650	ST-LN MJ060MORB06	2
03	072806	TEE MJ06-FJS06-MJ06 *	1
04	273907	HOSE, MP 8 x 49.0 IN.	1
05	50302080	HOSE, MP 4 x 53.5 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	274333	HOSE, HP 12 x 39.25 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1
08	274336	HOSE, HP 12 x 36.75 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1
11	273915	HOSE, MP 6 x 44.0 IN.	1
12	50301629	HOSE, MP 4 x 56.0 IN <i>(park brake)</i>	1

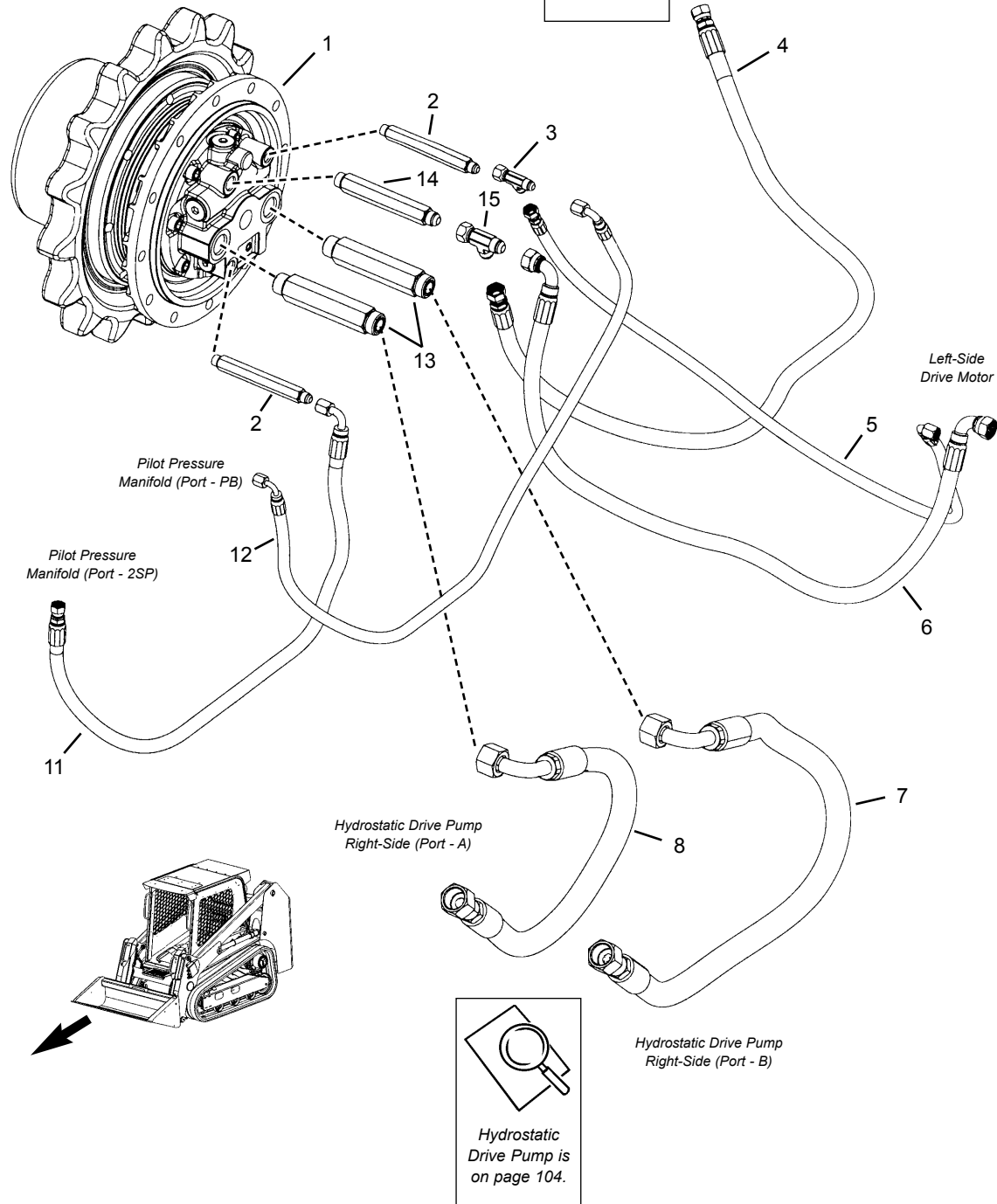
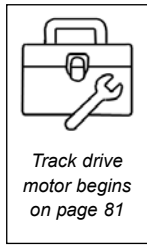
Item No.	Part No.	Description	Qty.
13	271680	ST-LN MFS12-MORB12	2
14	271709	ST-LN MJ08-MORB08	1
15	076143	TEE MJ08-FJS08-MJ08	1
16	091039	90 MJ06-FJS06 *	1
17	054820	T RUN MJ06-MAORB06-MJ06 *	1
18	054994	ST MJ06-MORB06 *	1
19 ^b	274477	MANIFOLD, PILOT PRESSURE *	1
20	095456	45 MJ06-FJS06 *	1
21	50301292	HOSE, MP 6 x 58.0 IN.*	1

** Avoid ordering duplicate parts: be aware that some of the same parts are shown on the next three pages.*

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - RIGHT SIDE

(SN 20864 and before)



RT210 - HYDRAULICS
TRACK DRIVE CIRCUIT - RIGHT SIDE
(SN 20864 and before)

Item No.	Part No.	Description	Qty.
01 ^a	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(does not include sprocket)</i>	1
02	273650	ST-LN MJ060MORB06	2
03	072806	TEE MJ06-FJS06-MJ06	1
04	273907	HOSE, MP 8 x 49.0 IN.	1
05	273143	HOSE, MP 4 x 47.0 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	274333	HOSE, HP 12 x 39.25 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1
08	274336	HOSE, HP 12 x 36.75 IN.	1

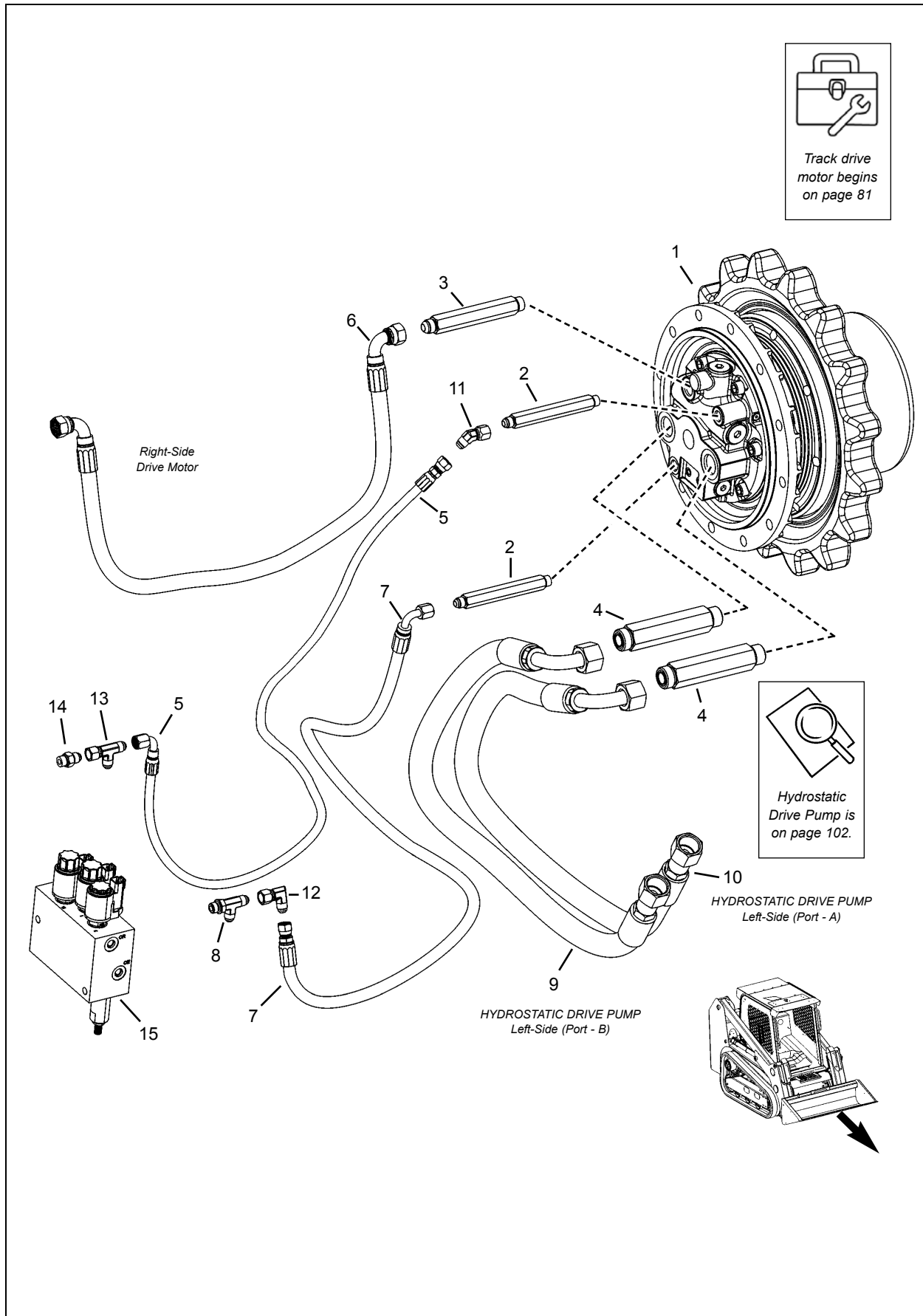
Item No.	Part No.	Description	Qty.
11	273915	HOSE, MP 6 x 44.0 IN.	1
12	273911	HOSE, MP 4 x 50.0 IN <i>(park brake)</i>	1
13	271680	ST-LN MFS12-MORB12	2
14	271709	ST-LN MJ08-MORB08	1
15	076143	TEE MJ08-FJS08-MJ08	1

* Avoid ordering duplicate hoses; be aware that hoses #5 and #6 connect to the left-side drive motor (next page) are the same hoses that are shown on the facing page (as items #5 and #6).

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 21072 - 921000)



RT210 - HYDRAULICS
TRACK DRIVE CIRCUIT - LEFT SIDE
(SN 21072 - 921000)

Item No.	Part No.	Description	Qty.
01	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(does not include sprocket)</i>	1
02	273650	ST-LN MJ060MORB06	2
03	271709	ST-LN MJ08-MORB08	1
04	50302378	ST-LN MFS12-MORB12	2
05	50302080	HOSE, MP 4 x 53.5 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	50301292	HOSE, MP 6 x 58.0 IN.	1
08	054820	TEE RUN MJ06-MAORB06-MJ06 *	1

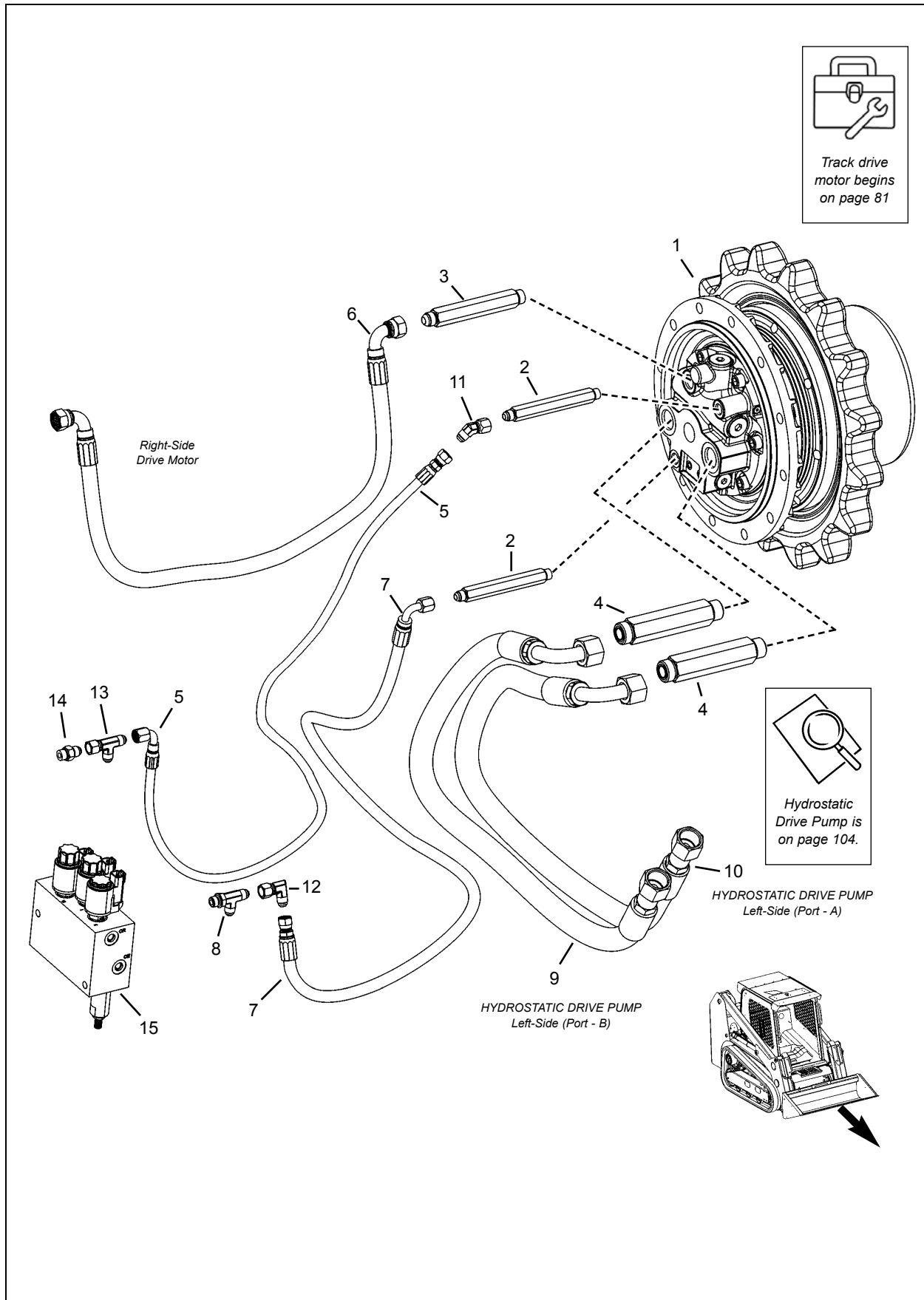
Item No.	Part No.	Description	Qty.
09	50302511	HOSE, HP 12 x 31.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
	50300605	GUARD, HOSE POLY 1" x 20"	1
10	50302509	HOSE, HP 12 x 29.0 IN.	1
	270545	O-RING M20 x 2.0 N90 <i>(included)</i>	2
	50300605	GUARD, HOSE POLY 1" x 20"	1
11	095456	45 MJ06-FJS06 *	1
12	091039	90 MJ06-FJS06 *	1
13	072806	TEE MJ06-FJS06-MJ06 *	1
14	054994	ST MJ06-MORB06 *	1
15	274477	MANIFOLD, PILOT PRESSURE *	1

* Avoid ordering duplicate parts; be aware that some of the same parts are shown on the previous page.

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 20865 - 21071)



RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 20865 - 21071)

Item No.	Part No.	Description	Qty.
01 ^a	273652	MOTOR, DRIVE 1098cc W/FLANGE <i>(does not include sprocket)</i>	1
02	273650	ST-LN MJ060MORB06	2
03	271709	ST-LN MJ08-MORB08	1
04	271680	ST-LN MFS12-MORB12	2
05	50302080	HOSE, MP 4 x 53.5 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	50301292	HOSE, MP 6 x 58.0 IN.	1
08	054820	TEE RUN MJ06-MAORB06-MJ06 *	1
09	274334	HOSE, HP 12 x 42.25 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1

Item No.	Part No.	Description	Qty.
10	274333	HOSE, HP 12 x 39.25 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1
11	095456	45 MJ06-FJS06 *	1
12	091039	90 MJ06-FJS06 *	1
13	072806	TEE MJ06-FJS06-MJ06 *	1
14	054994	ST MJ06-MORB06 *	1
15 ^b	274477	MANIFOLD, PILOT PRESSURE *	1

* Avoid ordering duplicate parts: be aware that some of the same parts are shown on the previous two pages and on the next page.

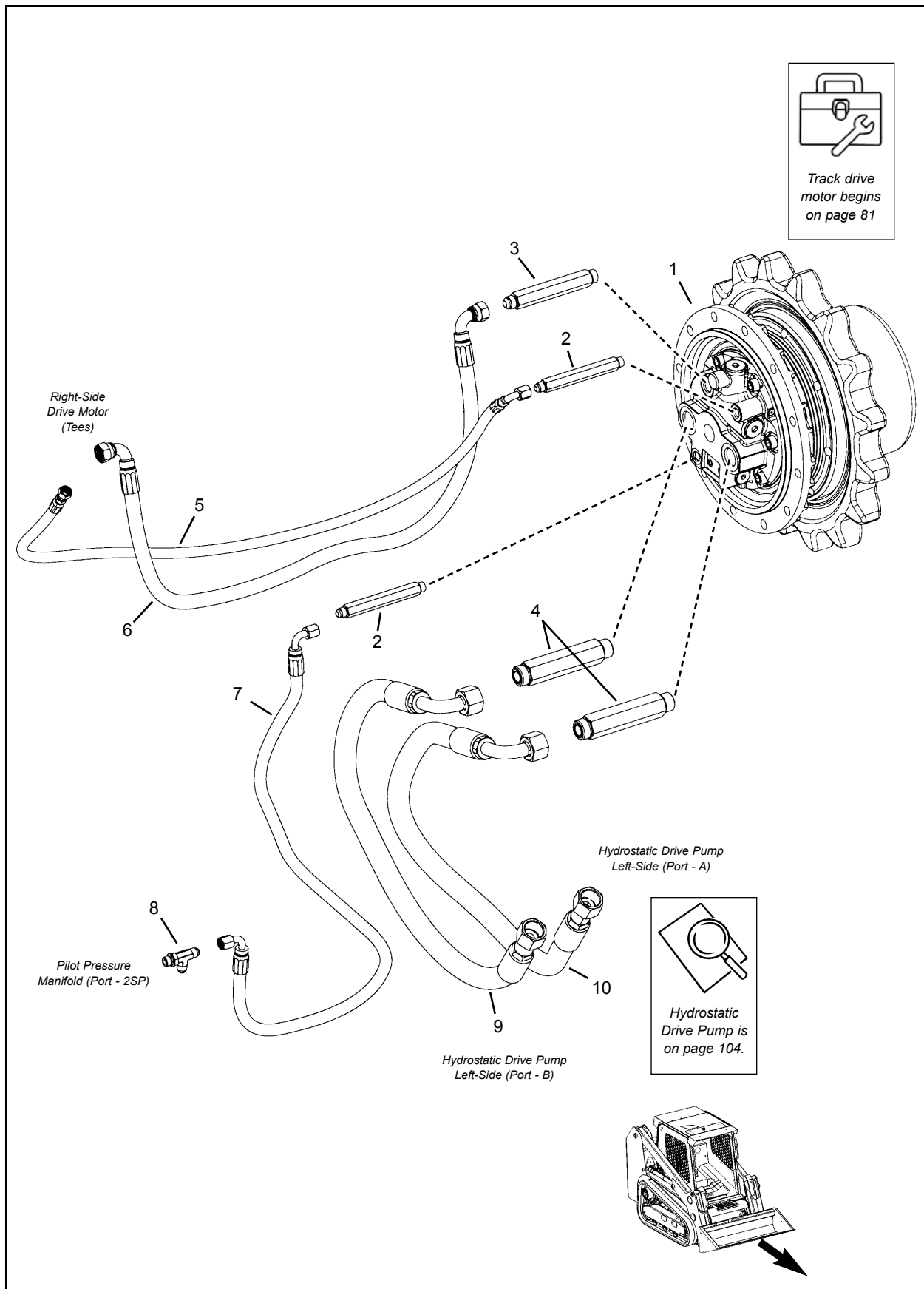


IMPORTANT: Be aware that items 4, 9, and 10 may be different from those listed here for this serial number range. It is possible that the fittings and hoses were replaced after the machine left the factory. A kit to improve access to the engine oil drain was offered after this machine was built and might have been installed. The kit (P/N 50303373) uses the fittings and hoses identified on page 102—items 4-8). Before ordering items 4, 9, or 10 be sure to measure the length of the hoses. If they are shorter than the ones listed above, order from the part numbers on page 102. This only effects the left side track drive hoses.

RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 20864 and before)



RT210 - HYDRAULICS

TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 20864 and before)

Item No.	Part No.	Description	Qty.
01 ^a	273652	MOTOR, DRIVE 1098cc W/FLANGE (does not include sprocket)	1
02	273650	ST-LN MJ060MORB06	2
03	271709	ST-LN MJ08-MORB08	1
04	271680	ST-LN MFS12-MORB12	2
05	273143	HOSE, MP 4 x 47.0 IN.*	1
06	273906	HOSE, MP 8 x 45.0 IN.*	1
07	273913	HOSE, MP 6 x 55.0 IN.	1
08	054820	TEE RUN MJ06-MAORB06-MJ06	1

Item No.	Part No.	Description	Qty.
09	274334	HOSE, HP 12 x 42.25 IN.	1
	50300605	GUARD, HOSE POLY 1" x 20"	1
10	274333	HOSE, HP 12 x 39.25 IN.	1

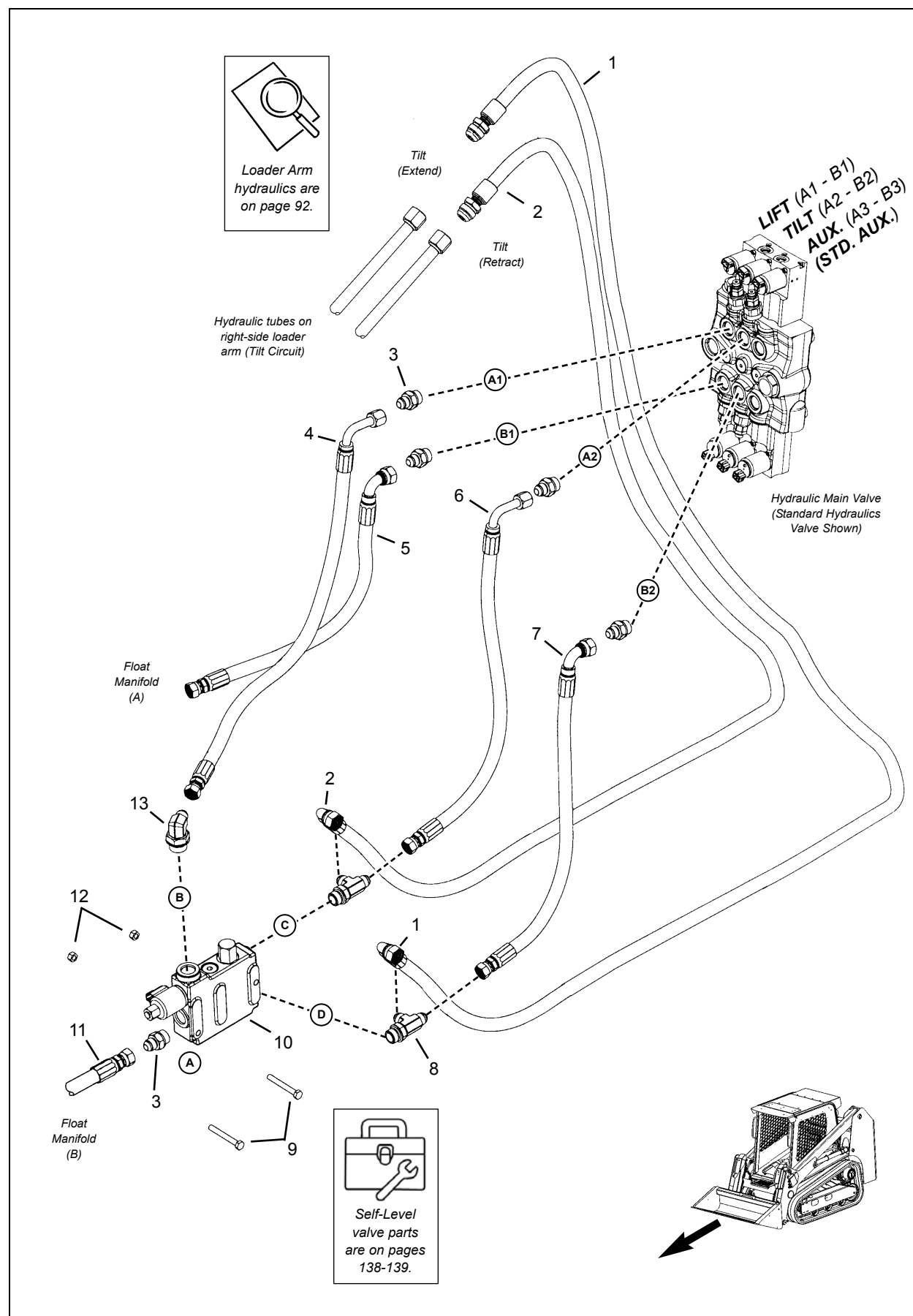
* Avoid ordering duplicate parts: be aware that some of the same parts are shown on the previous three pages.



IMPORTANT: Be aware that items 4, 9, and 10 may be different from those listed here for this serial number range. It is possible that the fittings and hoses were replaced after the machine left the factory. A kit to improve access to the engine oil drain was offered after this machine was built and might have been installed. The kit (P/N 50303373) uses the fittings and hoses identified on page 102—items 4-8). Before ordering items 4, 9, or 10 be sure to measure the length of the hoses. If they are shorter than the ones listed above, order from the part numbers on page 102. This only effects the left side track drive hoses.

RT210 - HYDRAULICS

SELF-LEVEL VALVE CIRCUIT - LIFT / TILT



RT210 - HYDRAULICS

SELF-LEVEL VALVE CIRCUIT - LIFT / TILT

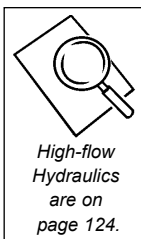
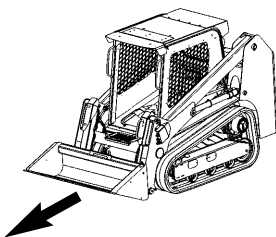
Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	274039	HOSE, MP 8 x 119.0 IN.	1	09	650733	CS 5/16 x 2-1/2 C5ZY	2
02	274039	HOSE, MP 8 x 119.0 IN.	1	10		VALVE, SELF-LEVEL	1
03	089099	ST MJ08-MORB10	4		135367	(standard) - (not shown)	
04	274030	HOSE, MP 8 x 26.0 IN.	1		271958	(switchable) - (shown) (Optional)	
05	274033	HOSE, MP 8 x 18.0 IN.	1	11	271448	HOSE, MP 8 x 23.0 IN.	1
06	274024	HOSE, MP 8 x 22.0 IN.	1	12	071701	LN 5/16 CBZY	2
07	274025	HOSE, MP 8 x 21.25 IN.	1		654004	FW 5/16 AWZY (not shown)	2
08	121387	TEE RUN MJ08-MAORB10-MJ08	2	13	076031	90 MJ08-MAORM10	1

HOSE CONNECTION:

- #01 - Self-level valve (D) to tilt (EXTEND) *
- #02 - Self-level valve (C) to tilt (RETRACT) *
- #04 - Self-level valve (B) to hydraulic main valve (A1)
- #05 - Self-level valve (C) to float manifold (A).
- #06 - Self-level valve (C) to hydraulic main valve (A2)
- #07 - Self-level valve (D) to hydraulic main valve (B2)
- #11 - Self-level valve (A) to float manifold (B)

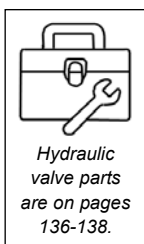
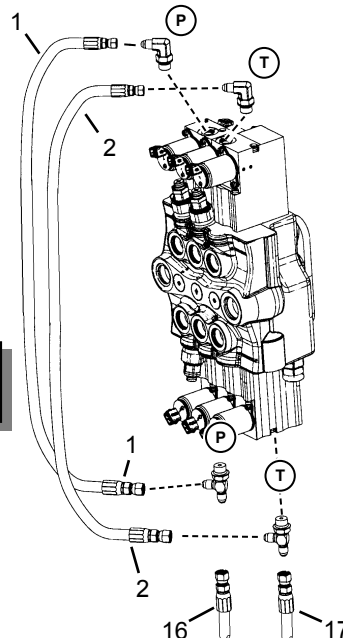
RT210 - HYDRAULICS

AUXILIARY / HIGH-FLOW HYDRAULICS CIRCUIT

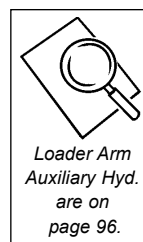
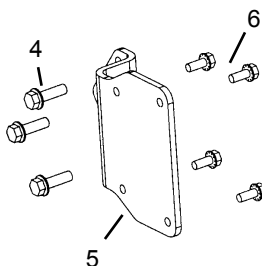
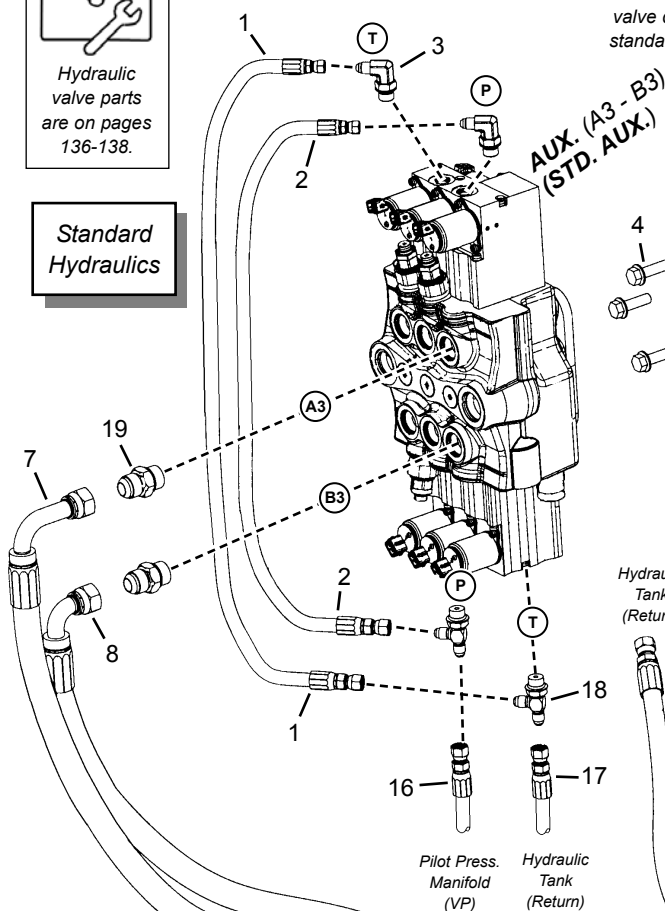


High-Flow Hydraulics

NOTE: The "T" and
"P" port locations on
the high-flow main
valve differ from the
standard main valve.

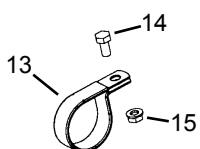


Standard Hydraulics



Hydraulic
Tank
(Return)

To Left-Side
Loader Arm



Attaches to mount bracket (page 51).

RT210 - HYDRAULICS

AUXILIARY / HIGH-FLOW HYDRAULICS CIRCUIT

Item No.	Part No.	Description	Qty.
01	271476	HOSE, MP 4 x 24.0 IN.	1
02	271476	HOSE, MP 4 x 24.0 IN.	1
03	230-32693	90 MJ04-MAORB6	2
04	081377	CS FL LOCK 3/8 x 1-1/4 C5Z7	3
05	273566	BRACKET	1
06	081380	CS FL LOCK 5/16 x 3/4 C5ZY	4
07	275956	HOSE, MP 10 x 62.0 IN.	1
08	275954	HOSE, MP 10 x 60.0 IN.	1
09	273867	HOSE, MP 6 x 74.0 IN.	1
10	137542	90 BLKHD MJ10-MJ10	2
11	098534	90 BLKHD MJ06-MJ06	1
12	100541	CLAMP, HOSE 1.00 IN. TWIN	1
13	089001	CLAMP, HOSE 1.88 x 0.41 IN. *	1
14	081377	CS FL LOCK 3/8" x 1-1/4" C5ZY	1
15	210-19533	LN FLCTR 3/8 CFZY	1
16	**	HOSE, MP 4	1

Item No.	Part No.	Description	Qty.
17	271956	HOSE, MP 4 x 62.0 IN.	1
18	272287	TEE RUN MJ04-MORB06-MJ04	2
19	072580	ST MJ10-MORB10	2

HOSE CONNECTION:

- #01 - Hydraulic valve (T) to hydraulic valve (T)
- #02 - Hydraulic valve (P) to hydraulic valve (P)
- #07 - Hydraulic valve (A3) to bulkhead fitting to loader arm
- #08 - Hydraulic valve (B3) to bulkhead fitting to loader arm
- #09 - Bulkhead fitting/lift arm aux. to hydraulic tank return
- #16 - Hydraulic valve (P) [Tee] to pilot press. manifold (VP)
- #17 - Hydraulic valve (T) to hydraulic tank return

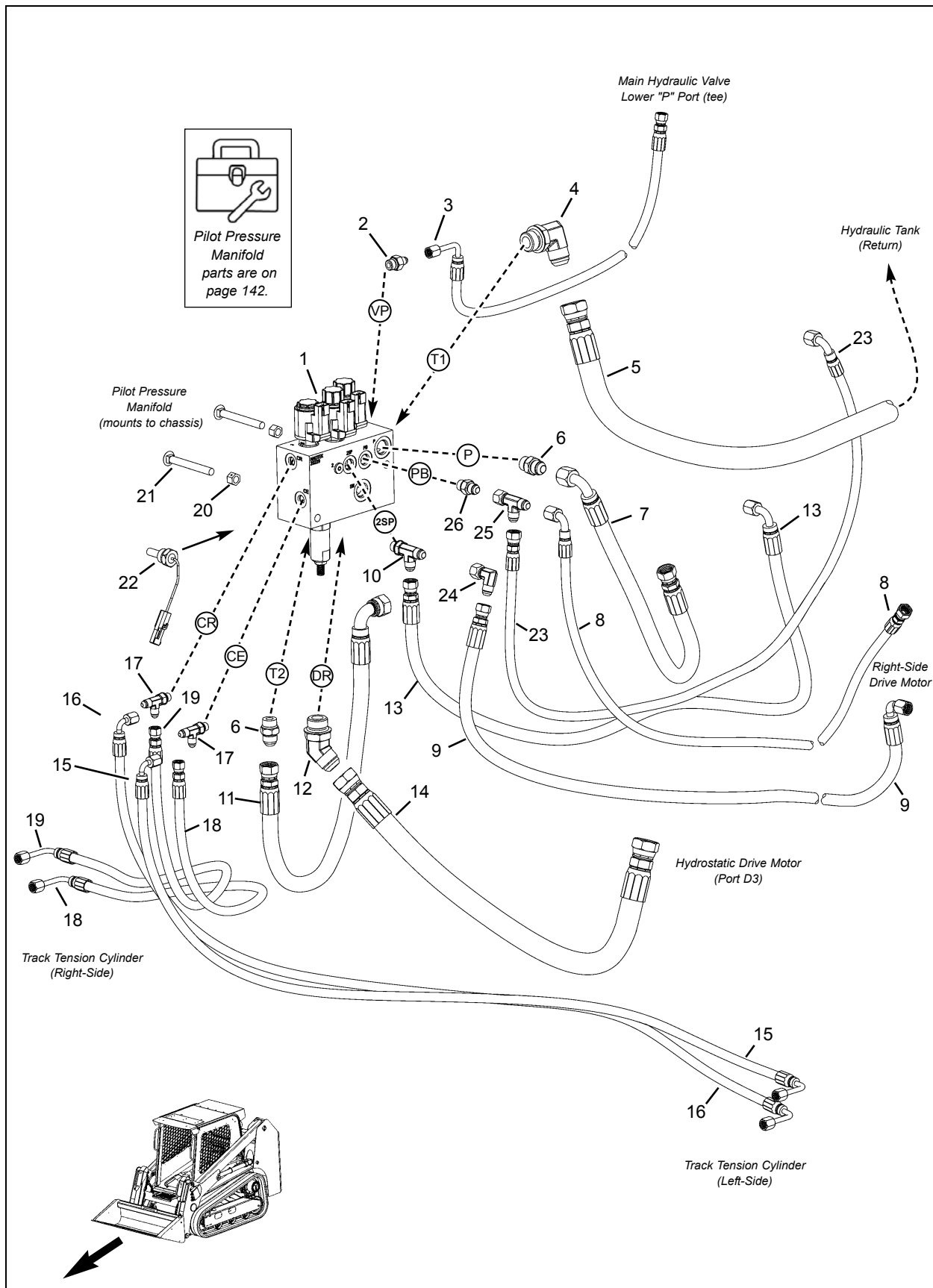
* Clamp attaches to bracket on rear of engine; refer to item #8 on page 65.

** Refer to item #3 on pages 126 and 128 for the hose part number—there is a serial break involved with this hose.

RT210 - HYDRAULICS

PILOT PRESSURE MANIFOLD CIRCUIT

(SN 20865 - 921000)



RT210 - HYDRAULICS

PILOT PRESSURE MANIFOLD CIRCUIT

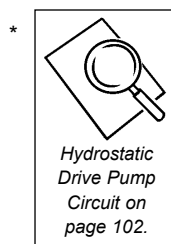
(SN 20865 - 921000)

Item No.	Part No.	Description	Qty.
01	274477	PILOT PRESSURE MANIFOLD	1
02	50304010	ST MJ04-MORB06	1
03	50302211	HOSE, MP 4 x 29.0 IN.	1
04	055005	90 MJ12-MAORB12	1
05	273885	HOSE, MP 12 x 69.50 IN.	1
06	054626	ST MJ08-MORB08	2
07	273926	HOSE, MP 8 x 22.25 IN.	1
08	50302080	HOSE, MP 4 x 53.5 IN.	1
09	50301292	HOSE, MP 6 x 58.0 IN.	1
10	054820	TEE RUN MJ06-MAORB06-MJ06	1
11	274023	HOSE, MP 8 x 23.5 IN.	1
12	055064	45 MJ12-MAORB12	1
13	273915	HOSE, MP 6 x 44.0 IN.	1
14	273883	HOSE, MP 12 x 30.0 IN.	1
15	274386	HOSE, MP 4 x 53.0 IN.	1
16	274386	HOSE, MP 4 x 53.0 IN.	1
17	171629	TEE RUN MJ04-MAORB04-MJ04	2
18	274389	HOSE, MP 4 x 31.0 IN.	1
19	274389	HOSE, MP 4 x 31.0 IN.	1
20	071703	LN 3/8" CBZY	2
21	652059	CB 3/8" x 3-1/4" C5ZY	2
22	132049	TEMPERATURE SWITCH	1

Item No.	Part No.	Description	Qty.
23	50301629	HOSE, MP 6 x 56.0 IN.	1
24	091039	90 MJ06-FJS06	1
25	072806	T MJ06-FJS06-MJ06	1
26	230-18127	ST MJ04-MORB06	1

HOSE CONNECTION:

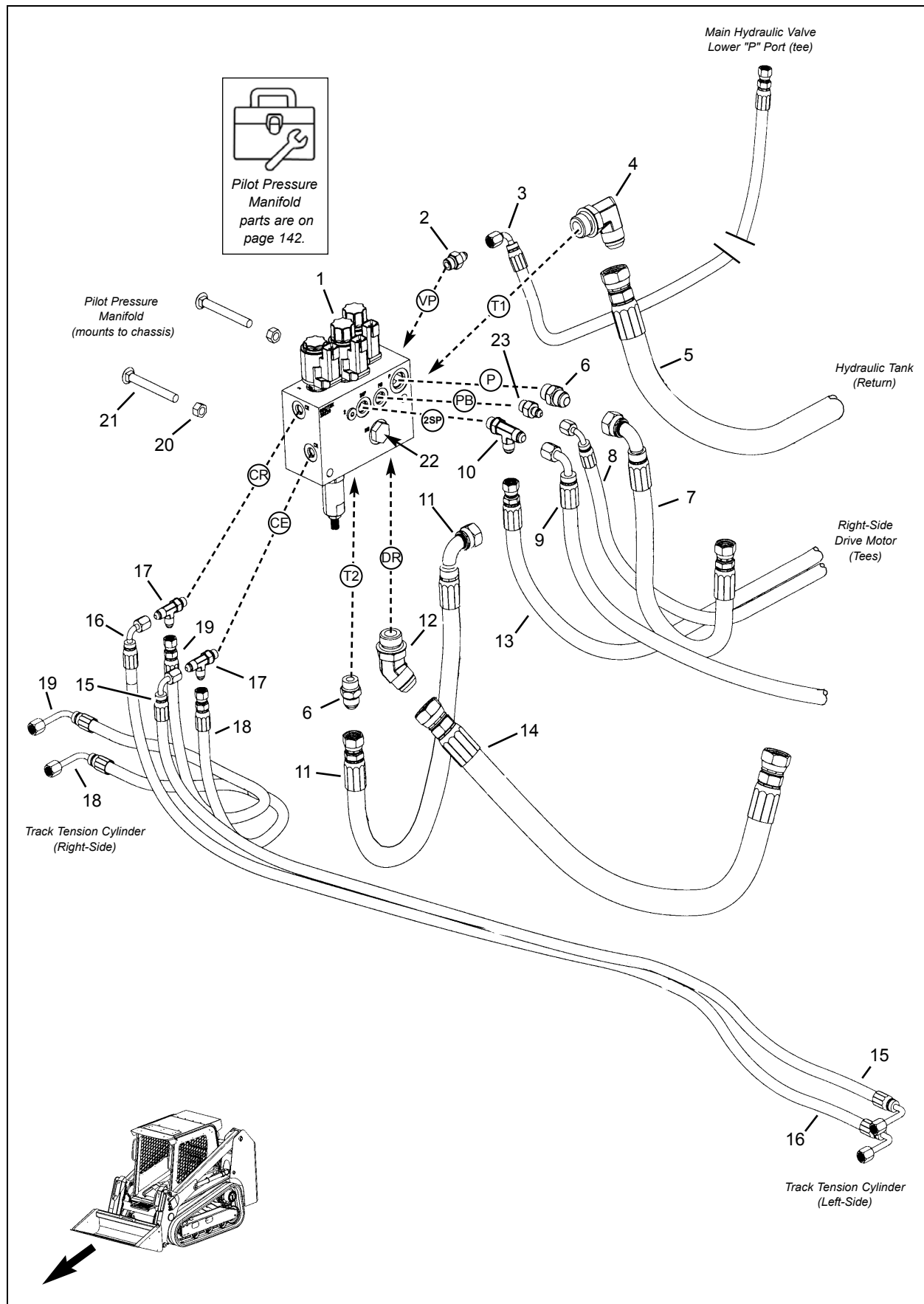
#03 connects to hydraulic main valve (P) [tee fitting]
 #05 connects to hydraulic tank (RETURN)
 #07 connects to Hydrostatic Drive Pump (right-side) *
 #08 connects to left-side drive motor
 #09 connects to left-side drive motor
 #11 connects to float manifold (T)
 #13 connects to right-side drive motor
 #14 connects to Hydrostatic Drive Pump (Port - D3)
 #15 connects to left-side track tension cylinder
 #16 connects to left-side track tension cylinder
 #18 connects to right-side track tension cylinder
 #19 connects to right-side track tension cylinder
 #23 connects to right-side drive motor (park brake)



RT210 - HYDRAULICS

PILOT PRESSURE MANIFOLD CIRCUIT

(SN 20864 and before)



RT210 - HYDRAULICS

PILOT PRESSURE MANIFOLD CIRCUIT

(SN 20864 and before)

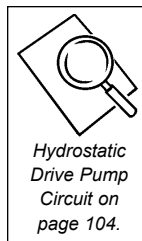
Item No.	Part No.	Description	Qty.
01	274477	PILOT PRESSURE MANIFOLD	1
02	50304010	ST MJ04-MORB06/SP	1
03	273928	HOSE, MP 4 x 45.0 IN.	1
04	055005	90 MJ12-MAORB12	1
05	273885	HOSE, MP 12 x 69.50 IN.	1
06	054626	ST MJ08-MORB08	2
07	273926	HOSE, MP 8 x 22.25 IN.	1
08	273911	HOSE, MP 4 50.0 IN.	1
09	273913	HOSE, MP 6 x 55.0 IN.	1
10	054820	TEE RUN MJ06-MAORB06-MJ06	1
11	274023	HOSE, MP 8 x 23.5 IN.	1
12	055064	45 MJ12-MAORB12	1
13	273915	HOSE, MP 6 x 44.0 IN.	1
14	273883	HOSE, MP 12 x 30.0 IN.	1
15	274386	HOSE, MP 4 x 53.0 IN.	1
16	274386	HOSE, MP 4 x 53.0 IN.	1

Item No.	Part No.	Description	Qty.
17	171629	TEE RUN MJ04-MAORB04-MJ04	2
18	274389	HOSE, MP 4 x 31.0 IN.	1
19	274839	HOSE, MP 4 x 31.0 IN.	1
20	071703	LN CTR 3/8" CBZY	2
21	652059	CB 3/8" x 3-1/4" C5ZY	2
22	132049	TEMPERATURE SWITCH	1
23	230-18127	ST MJ04-MORB06	1

HOSE CONNECTION:

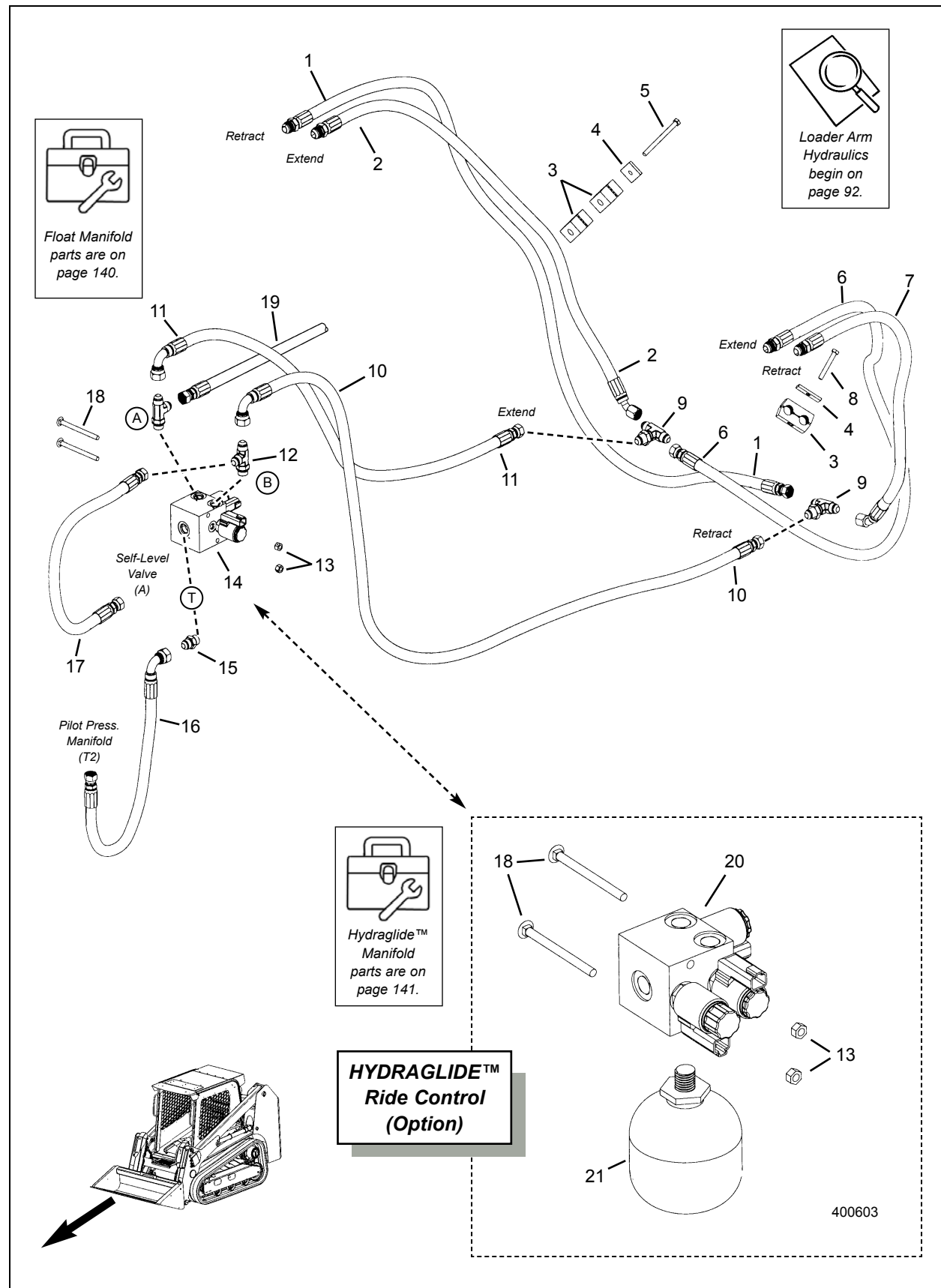
- #03 connects to hydraulic main valve (P) [tee fitting]
- #05 connects to hydraulic tank (RETURN)
- #07 connects to Hydrostatic Drive Pump (right-side) *
- #08 connects to right-side drive motor (TEE)
- #09 connects to left-side drive motor
- #11 connects to float manifold (T)
- #13 connects to right-side drive motor (TEE)
- #14 connects to Hydrostatic Drive Pump (Port - D3)
- #15 connects to left-side track tension cylinder
- #16 connects to left-side track tension cylinder
- #18 connects to right-side track tension cylinder
- #19 connects to right-side track tension cylinder

*



RT210 - HYDRAULICS

FLOAT CIRCUIT - (STANDARD) / HYDRAGLIDE™ RIDE CONTROL - (OPTION)



RT210 - HYDRAULICS

FLOAT CIRCUIT - (STANDARD) / HYDRAGLIDE™ RIDE CONTROL - (OPTION)

Item No.	Part No.	Description	Qty.
01	273893	HOSE, MP8 x 66.0 IN.	1
02	273892	HOSE, MP8 x 45.0 IN.	1
03	271282	CLAMP, TUBE 19mm (<i>twin</i>)	3
04	079098	PLATE, SINGLE	2
05	650732	CS 5/16 x 3-1/4 C5ZY	1
06	273893	HOSE, MP8 x 66.0 IN.	1
07	273892	HOSE, MP8 x 45.0 IN.	1
08	650725	CS 5/16 x 2-1/4 C5ZY	1
09	135578	TEE BLKHD BR MJ08-MJ08-MJ08	2
10	274047	HOSE, MP 8 x 76.0 IN.	1
11	274048	HOSE, MP 8 x 48.0 IN.	1
12	114742	TEE RUN MJ08-MAORB08-MJ08	2
13	071701	LN 5/16 CBZY	2
14 ^a	274011	MANIFOLD, FLOAT *	1
15	054626	ST MJ08-MORB08	1
16	274023	HOSE, MP 8 x 23.5 IN.	1
17	271448	HOSE, MP 8 x 23.0 IN.	1
18	651712	CB 5/16 x 4 C5ZY	2
19	274033	HOSE, MP8 x 18.0 IN.	1

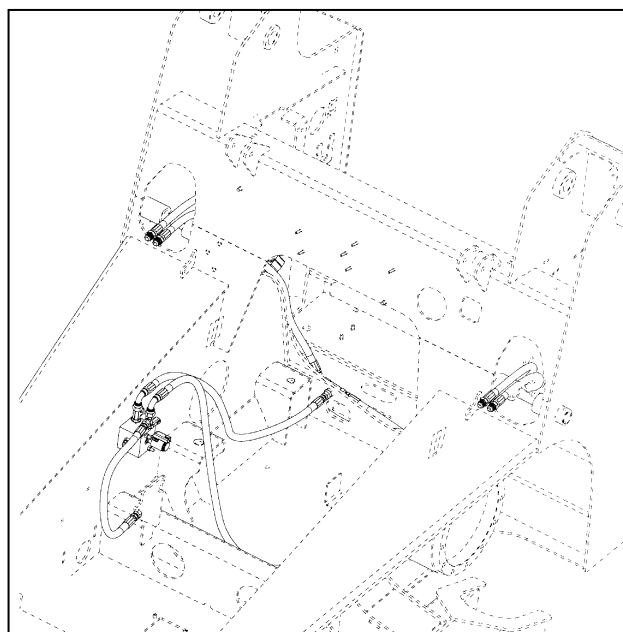
Item No.	Part No.	Description	Qty.
20 ^b	184363	MANIFOLD, HYDRAGLIDE™ **	1
21	184415	ACCUMULATOR **	1

* Used only with the standard float system (one-button joystick); the (optional) Hydraglide™ Ride Control system uses item #21.

** Used only for the optional Hydraglide™ Ride Control system (two-button joystick).

HOSE CONNECTION:

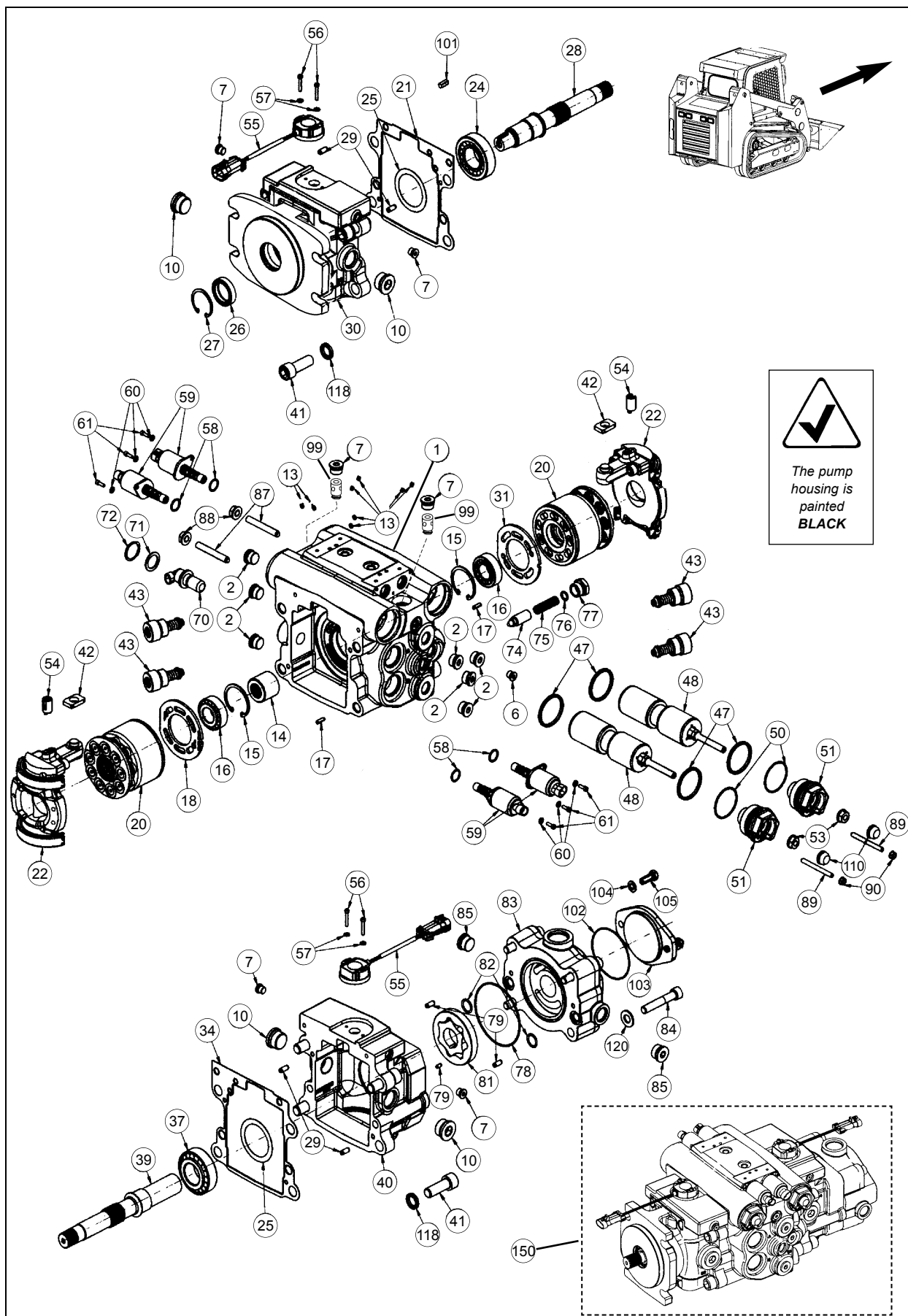
- #01 - right-side lift arm - right-side bulkhead tee
- #02 - right-side lift arm - left-side bulkhead tee
- #06 - left-side lift arm - left-side bulkhead tee
- #07 - left-side lift arm - right-side bulkhead tee
- #10 - left-side tee - float manifold (B)
- #11 - right-side tee - float manifold (A)
- #16 - float manifold (T) - pilot pressure manifold (T2)
- #17 - float manifold (B) - self-level valve (A)
- #19 - float manifold (A) - hydraulic main valve (B1)



LOCATION REFERENCE - FLOAT CIRCUIT

RT210 - HYDRAULIC COMPONENTS

HYDROSTATIC DRIVE PUMP



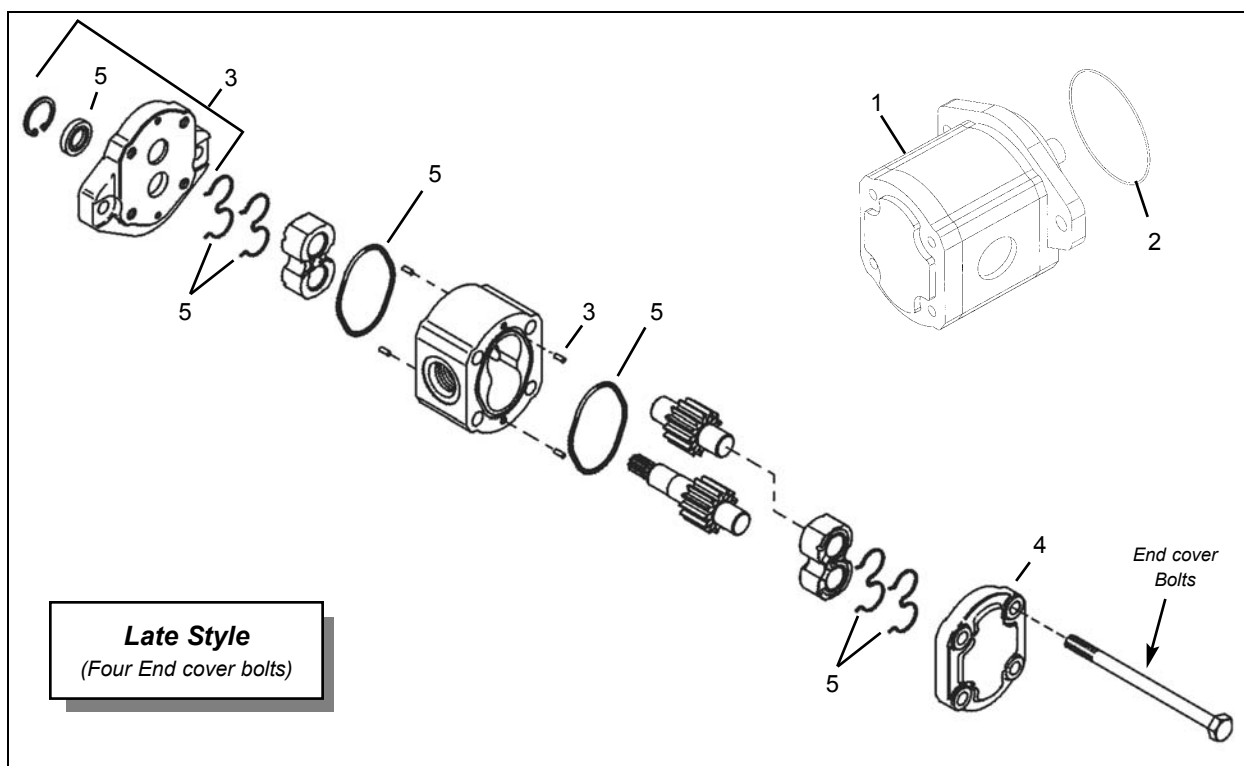
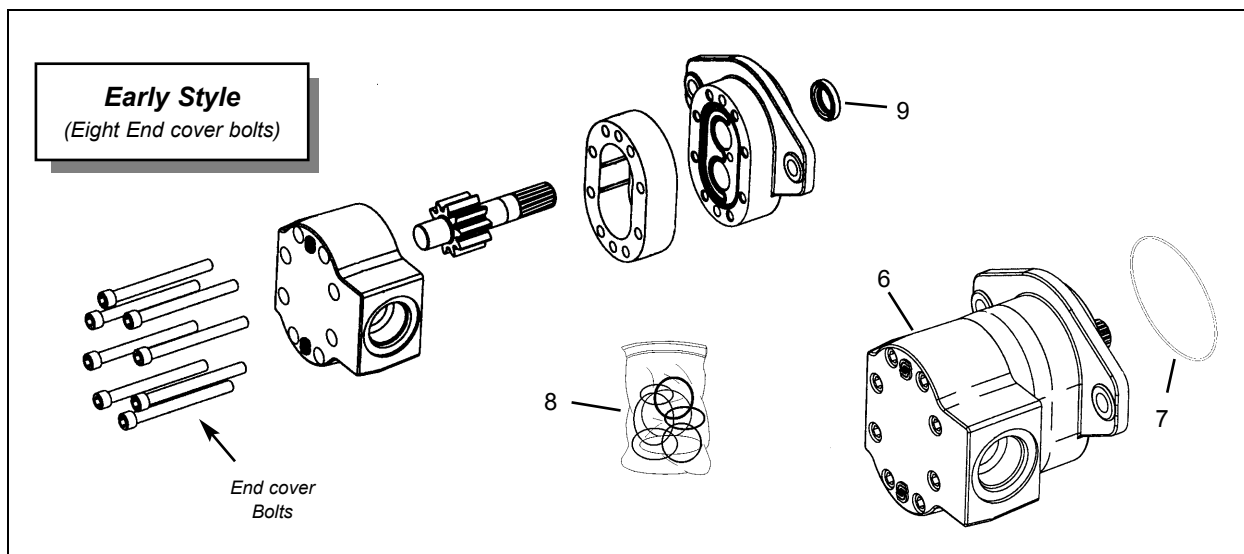
RT210 - HYDRAULIC COMPONENTS

HYDROSTATIC DRIVE PUMP

Item No.	Part No.	Description	Qty.	Item No.	Part No.	Description	Qty.
01	50280070	HOUSING	1	55	50280103	FEEDBACK SENSOR, NON-CONT.	2
02	123090	PLUG	7	56	NSS	SOCKET-HEAD CAP SCREW	4
06	50280071	PLUG	1	57	NSS	WASHER	4
07	245121	PLUG	4	58	50280105	O-RING	4
08	123090	PLUG	1	59	50280106	PROPORTIONAL FLOW REG. 758	4
10	50280072	PLUG	4	60	50280107	WASHER	6
13	50280073	PLUG, EXPANDER TYPE	8	61	50280108	SOCKET-HEAD CAP SCREW	6
14	50280074	COUPLER	1	70	50280109	PLUG	1
15	50280075	RETAINING RING	2	72	50280110	RETAINING RING, INVERTED	1
16	50280076	BEARING, TAPER	2	74	50280111	POPPET	1
17	189754	PIN, ROLL	2	75	50280112	SPRING, COMPRESSION	1
18	50280077	VALVE PLATE, RH (3.00)	1	76	50280113	SHIM	AR
20	50280079	ROTATING KIT (3.00)	2	77	50280114	PLUG SUB-ASSEMBLY	1
21	50280081	GASKET, FLANGE	1	78	50280115	O-RING	1
22	50280082	SWASHPLATE ASSEMBLY	2	79	50280088	PIN, ROLL	2
24	50280083	BEARING, TAPER	1	80	50280116	CHARGE PUMP DRIVE PIN	1
25	50280084	SHIM	AR			(not shown)	
26	50288200	SHAFT SEAL, HIGH-PRESSURE	1	81	50280117	GERAOTOR SUB-ASSEMBLY	1
27	50280086	RING, RETAINING INTERNAL	1	82	50280118	O-RING	2
28	50280087	DRIVE SHAFT - FRONT (15T)	1	83	50280119	CHARGE PUMP COVER	1
29	50280088	PIN, ROLL	4	84	50280120	SOCKET-HEAD CAP SCREW	4
30	50280089	FLANGE, FRONT (4-BOLT-C)	1	85	50280121	PLUG	2
31	50280090	VALVE PLATE, LH (3.00)	1	87	NSS	SET SCREW	2
34	50280081	GASKET, FLANGE	1	88	NSS	NUT, SEALING	2
37	50280083	BEARING, TAPER	1	89	50280123	SET SCREW	2
39	50280092	DRIVE SHAFT - REAR (13T)	1	90	50280124	NUT, SEALING	2
40	50280093	FLANGE, REAR (charge pump side)	1	99	50288901	FITTING/SCREEN FILTER	2
41	50280094	BOLT	8	101	NSS	SQUARE KEY	1
42	50280095	FOLLOWER, SERVO-PISTON	2	102	NSS	O-RING	1
43	50280096	RELIEF VALVE SUB-ASSEMBLY	4	103	NSS	COVER PLATE (NO THRU DRIVE)	1
47	50280097	PISTON RING	4	104	NSS	WASHER	2
48	50280098	SERVO PISTON ASSEMBLY	2	105	NSS	SCREW, CAP, HEX HEAD	2
50	50280099	O-RING	2	110	50280153	CAP, NUT (PLASTIC)	2
51	50280100	SERVO CAP PLUG	2	118	NSS	WASHER, NORD LOCK	8
53	50280101	NUT, SEALING	2	119	NSS	PLAIN WASHER	4
54	50280102	MAGNET CARRIER	2	120	NSS	PLAIN WASHER	4
				150	272007	PUMP, EH TANDEM HYDRO 49cc	1
						(includes all items shown)	

RT210 - HYDRAULIC COMPONENTS

HYDRAULIC PUMP - STANDARD HYDRAULICS

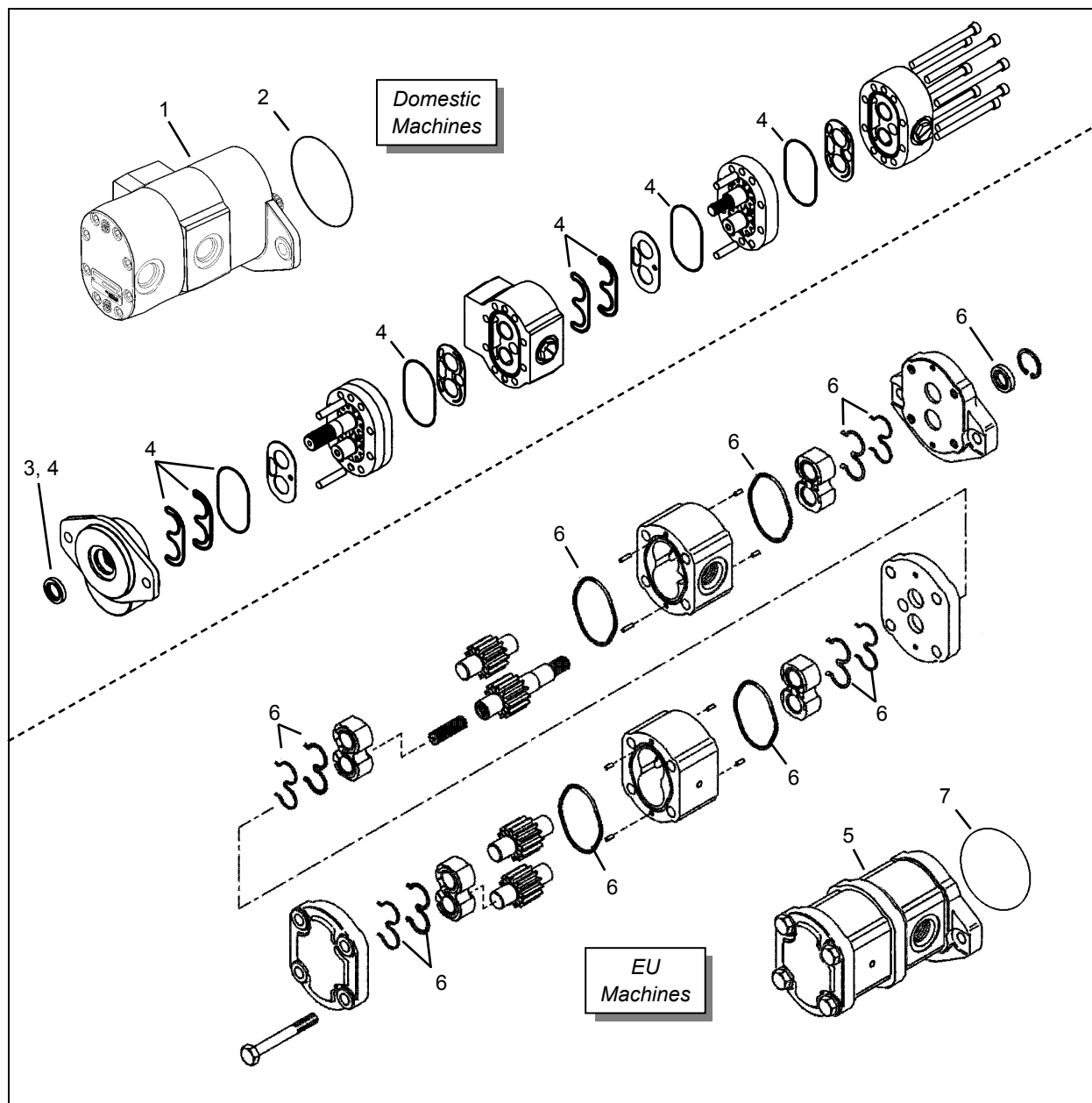


Late Style			
Item No.	Part No.	Description	Qty.
01	135930	GEAR PUMP, 2.01 SINGLE (<i>Late</i>) (includes items 2-5)	1
02	132248	O-RING	1
03	132546	FLANGE KIT (includes flange, shaft seal, snap ring, and down pins)	1
04	132547	End cover	1
05	132541	SEAL KIT (includes shaft, back-up ring, e-seals, and two o-rings)	1

Early Style			
Item No.	Part No.	Description	Qty.
06	274611	GEAR PUMP, 31.8cc IRON (<i>Early</i>)	1
07	132248	O-RING	1
08	50280251	SEAL KIT (<i>complete</i>) (not all seals are shown)	1
09	50280056	SHAFT SEAL	1

RT210 - HYDRAULIC COMPONENTS

HYDRAULIC PUMP - HIGH-FLOW HYDRAULICS



Domestic Machines

Item No.	Part No.	Description	Qty.
01	274666	GEAR PUMP, (31.8+22.5 IRON) * (includes items 1, 3 and 4)	1
02	132248	O-RING 045 N70	1
03	50280056	SHAFT SEAL	1
04	50280057	SEAL KIT	1

* Not used on EU machines.

EU Machines Only

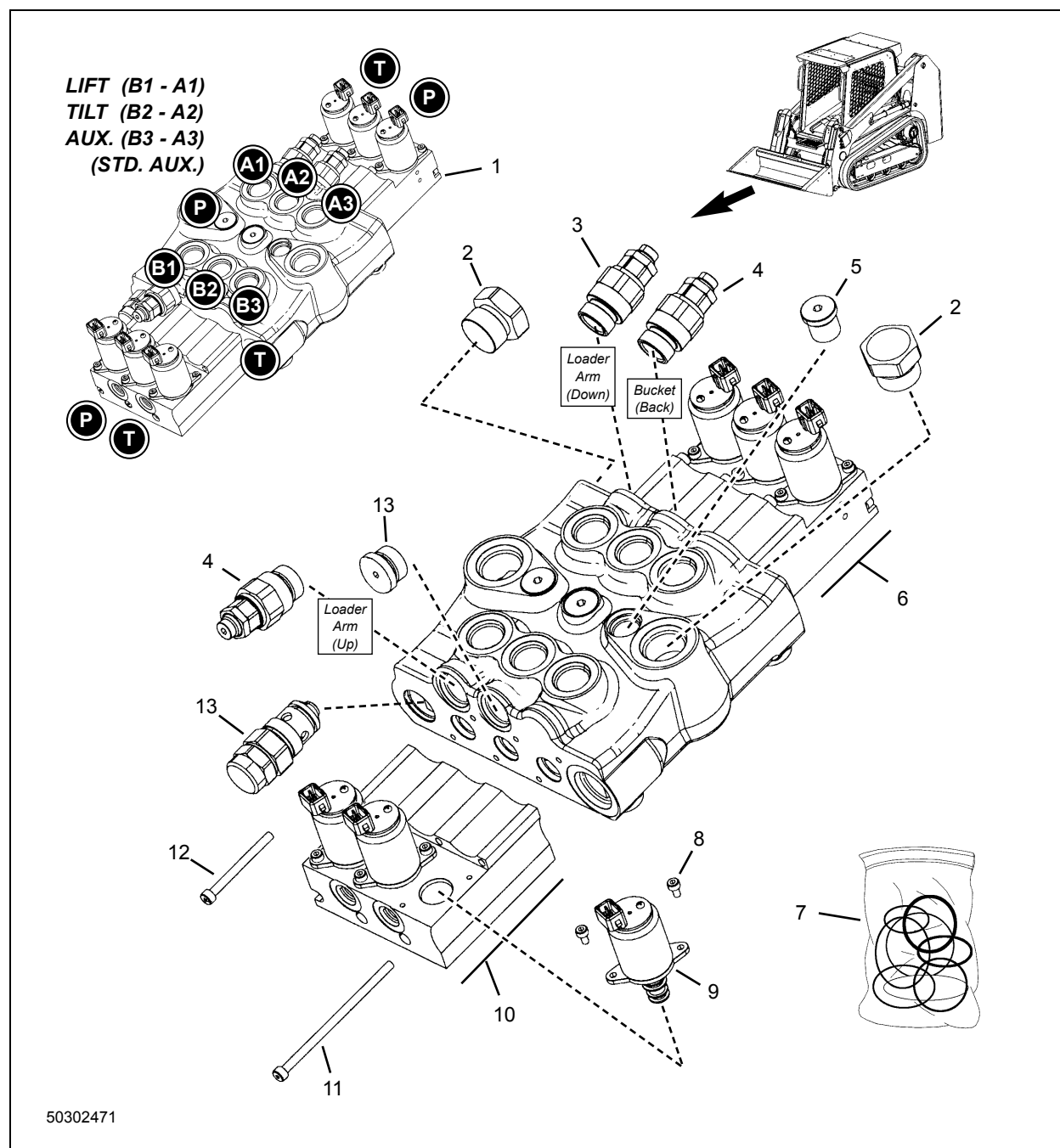
Item No.	Part No.	Description	Qty.
05	190597	GEAR PUMP, DOUBLE (2.01/1.40) (includes 5 and 6)	1
06	132542	SEAL KIT	1
07	132248	O-RING 045 N70	1

* Used only on EU machines.

NOTE: Items shown in the illustrations above without a call-out are non-serviceable components and are not sold separately.

RT210 - HYDRAULIC COMPONENTS

HYDRAULIC MAIN VALVE - (STANDARD HYDRAULICS)

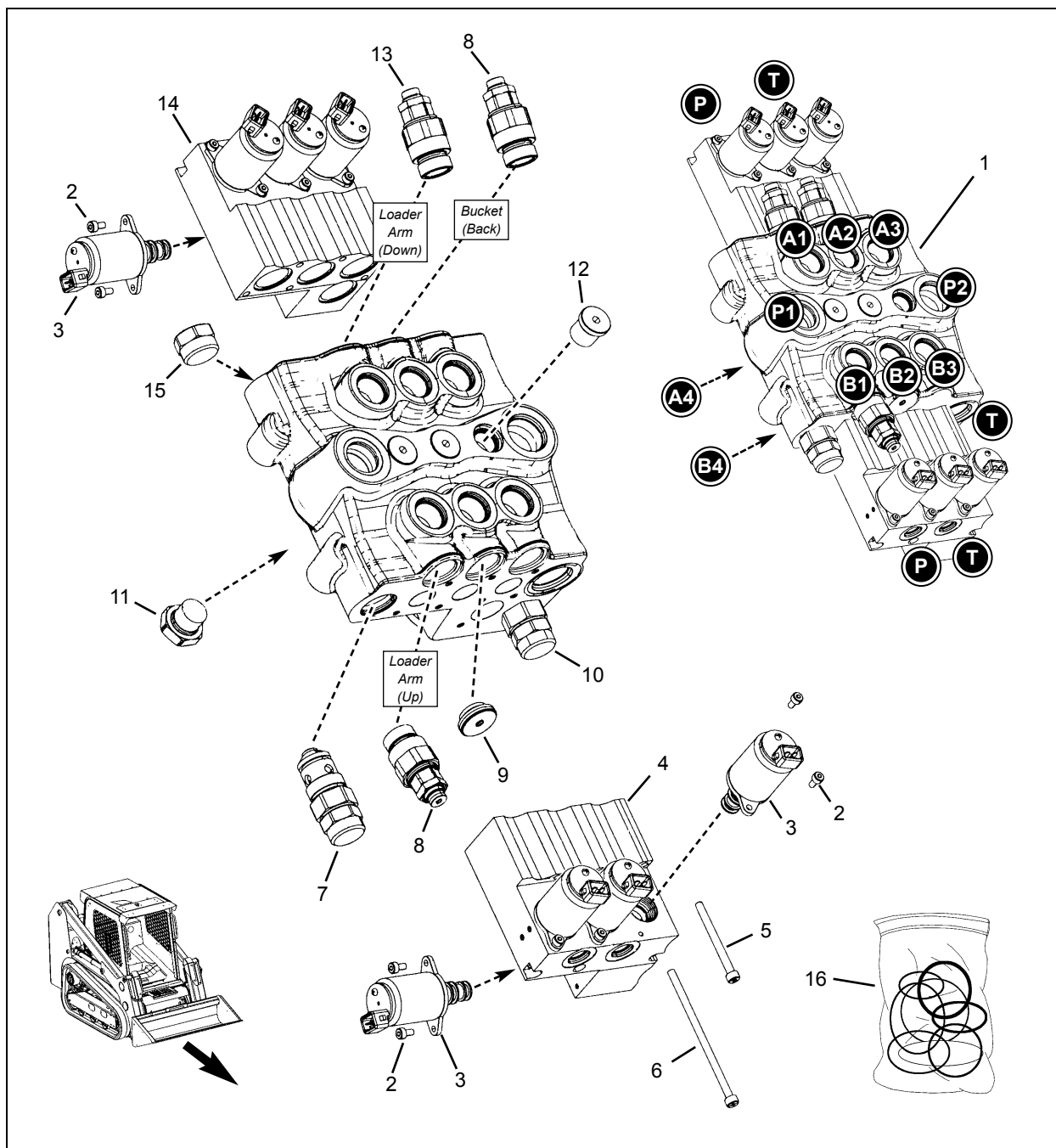


Item No.	Part No.	Description	Qty.
01	50302471	VALVE, 3-SPOOL EH CONTROL (includes all items shown)	1
02	103060	PLUG KIT, 1-1/16-12 UNF	2
03	240277	COMBINATION VALVE (120 BAR) (port relief)	1
04	240278	COMBINATION VALVE (240-A BAR) (port relief)	2
05	240272	CHECK VALVE KIT	3
06	50280183	EH CONTROL 3-SECTION (includes (3) item #9; (6) item #8)	1

Item No.	Part No.	Description	Qty.
07	50280184	SEAL KIT (complete valve) (not shown)	1
08	NSS	SOCKET HEAD SCREW, METRIC	12
09	50280185	PROPORTIONAL VALVE (12 VDC)	6
10	50280182	EH CONTROL 3-SECTION (includes (3) item #9; (6) item #8)	1
11	NSS	SOCKET HEAD SCREW, METRIC	6
12	NSS	SOCKET HEAD SCREW, METRIC	6
13	50280176	MAIN RELIEF VALVE (210 BAR)	1
14	240274	PLUG KIT, SECONDARY RELIEF	1

RT210 - HYDRAULIC COMPONENTS

HYDRAULIC MAIN VALVE - (HIGH-FLOW HYDRAULICS — OPTION)

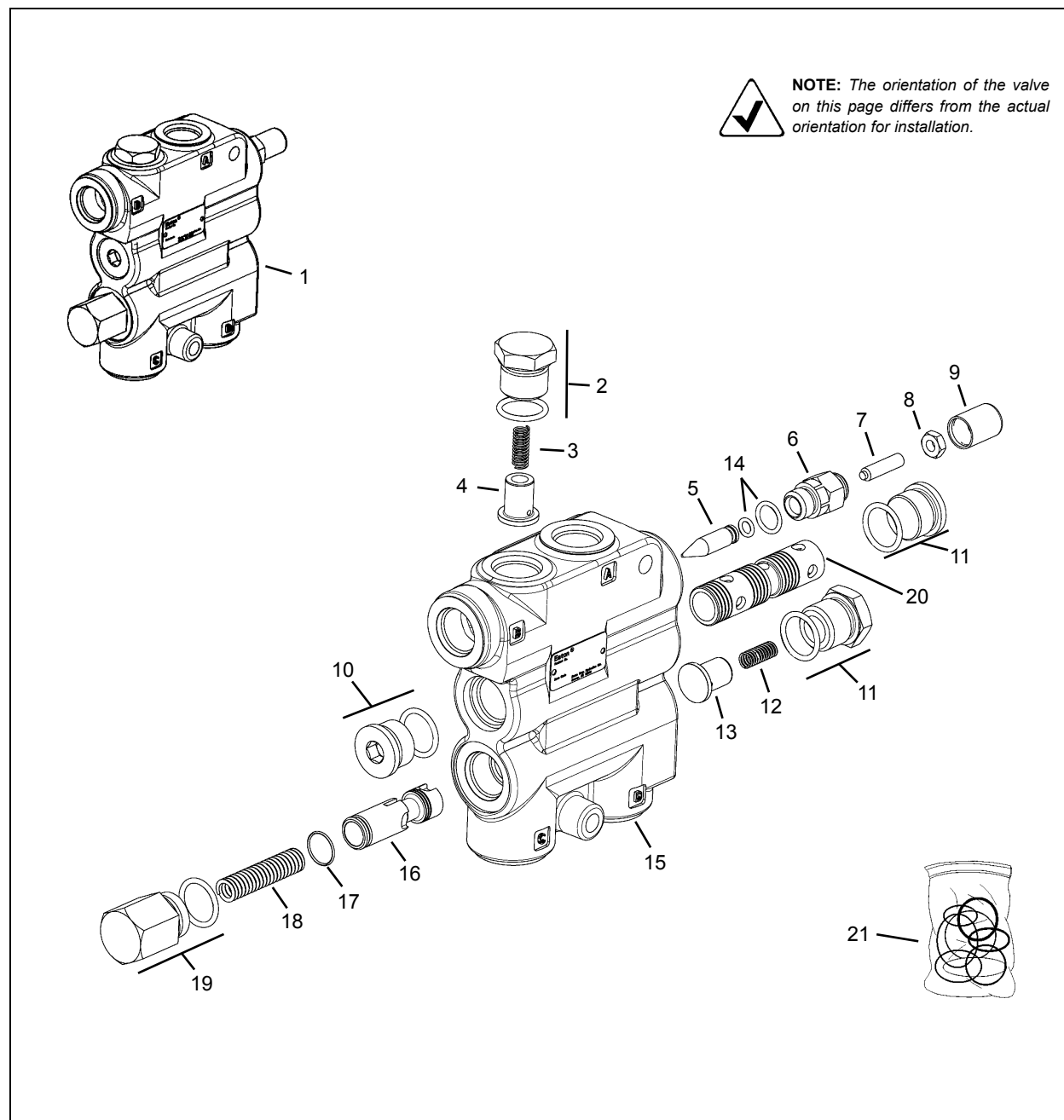


Item No.	Part No.	Description	Qty.
01	50302469	VALVE, 4-SPOOL EH CONTROL (includes all items shown)	1
02	NSS	SOCKET HEAD SCREW, METRIC	16
03	50280185	PROPORTIONAL VALVE (12 VDC)	8
04	50280177	EH CONTROL 4-SECTION (includes (4) item #3; (8) item #2)	1
05	NSS	SOCKET HEAD SCREW, METRIC	6
06	NSS	SOCKET HEAD SCREW, METRIC	6
07	50280176	MAIN RELIEF VALVE (210 BAR)	1
08	240278	COMBINED VALVE (240-A BAR) (port relief)	2

Item No.	Part No.	Description	Qty.
09	240274	PLUG KIT SECONDARY RELIEF	1
10	50280178	MAIN RELIEF VALVE (200 BAR)	1
11	103052	CHECK VALVE	1
12	240272	CHECK VALVE	3
13	240277	COMBINED VALVE (120 BAR) (port relief)	1
14	50280180	EH CONTROL 4-SECTION (includes (4) item #3; (8) item #2)	1
15	103060	PLUG KIT, 1-1/16-12 UNF	1
16	50280181	SEAL KIT (not shown)	1

RT210 - HYDRAULIC COMPONENTS

SELF-LEVEL VALVE - (STANDARD)

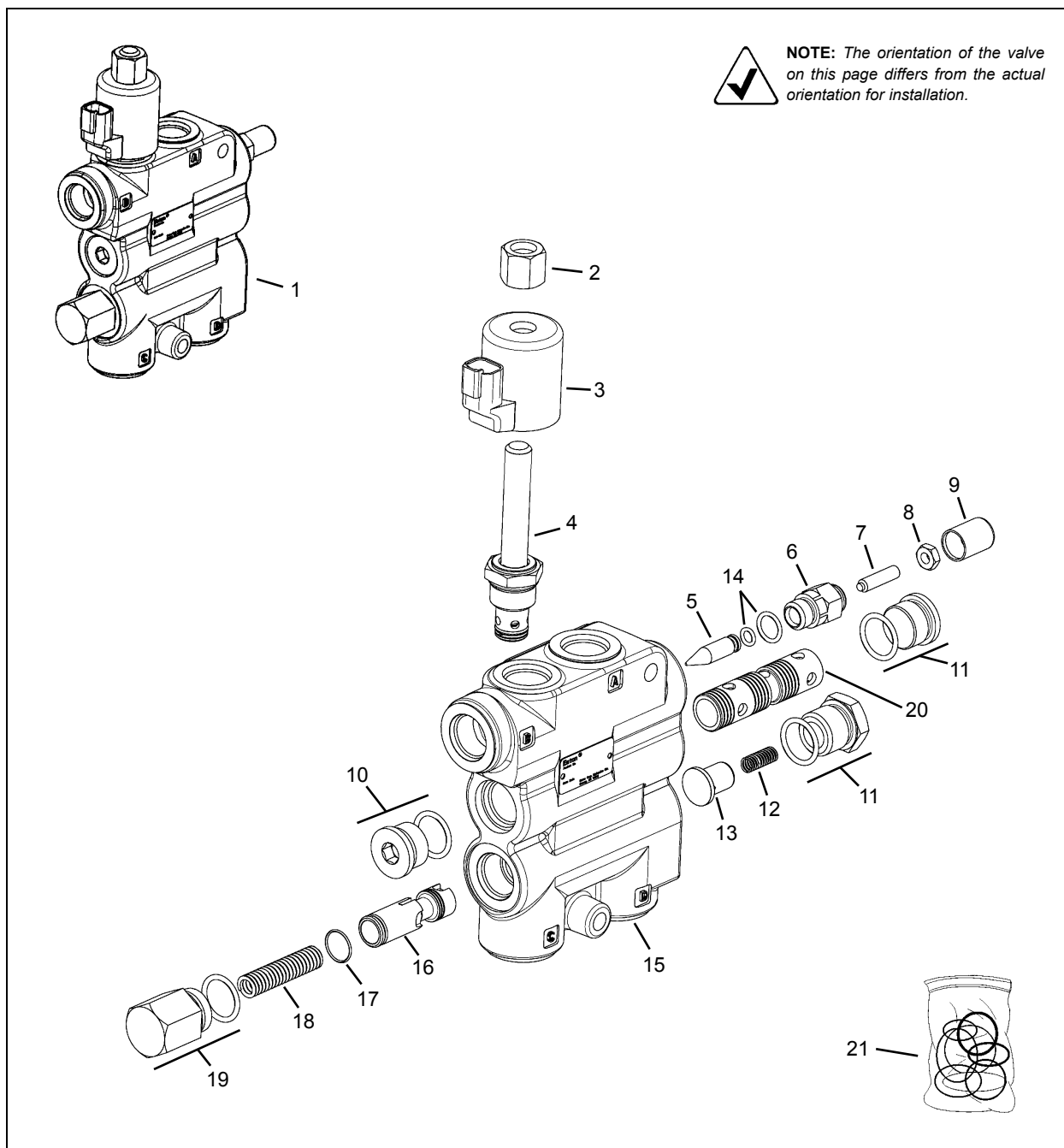


Item No.	Part No.	Description	Qty.
01	135367	VALVE, SELF-LEVEL (includes all items shown)	1
02	088472	PLUG ASSEMBLY (includes o-ring)	1
03	088471	SPRING	1
04	088473	LOAD CHECK	1
05	080808	PIN	1
06	080809	ADJUSTMENT CAP	1
07	080811	SET SCREW	1
08	080810	NUT	1
09	NSS	COVER	1
10	080813	PLUG ASSEMBLY (includes o-ring)	2
11	088472	PLUG ASSEMBLY (includes o-ring)	1

Item No.	Part No.	Description	Qty.
12	088471	SPRING	1
13	088473	LOAD CHECK	1
14	NSS	O-RINGS (included with item #21)	2
15	NSS	BODY	1
16	NSS	SPOOL	1
17	350-27299	RETAINING RING	1
18	089961	SPRING	1
19	129004	PLUG ASSEMBLY (includes o-ring)	1
20	NSS	SPOOL	1
21	129066	SEAL KIT (includes item #9 and all o-rings shown)	1

RT210 - HYDRAULIC COMPONENTS

SELF-LEVEL VALVE - (SWITCHABLE) (OPTION)

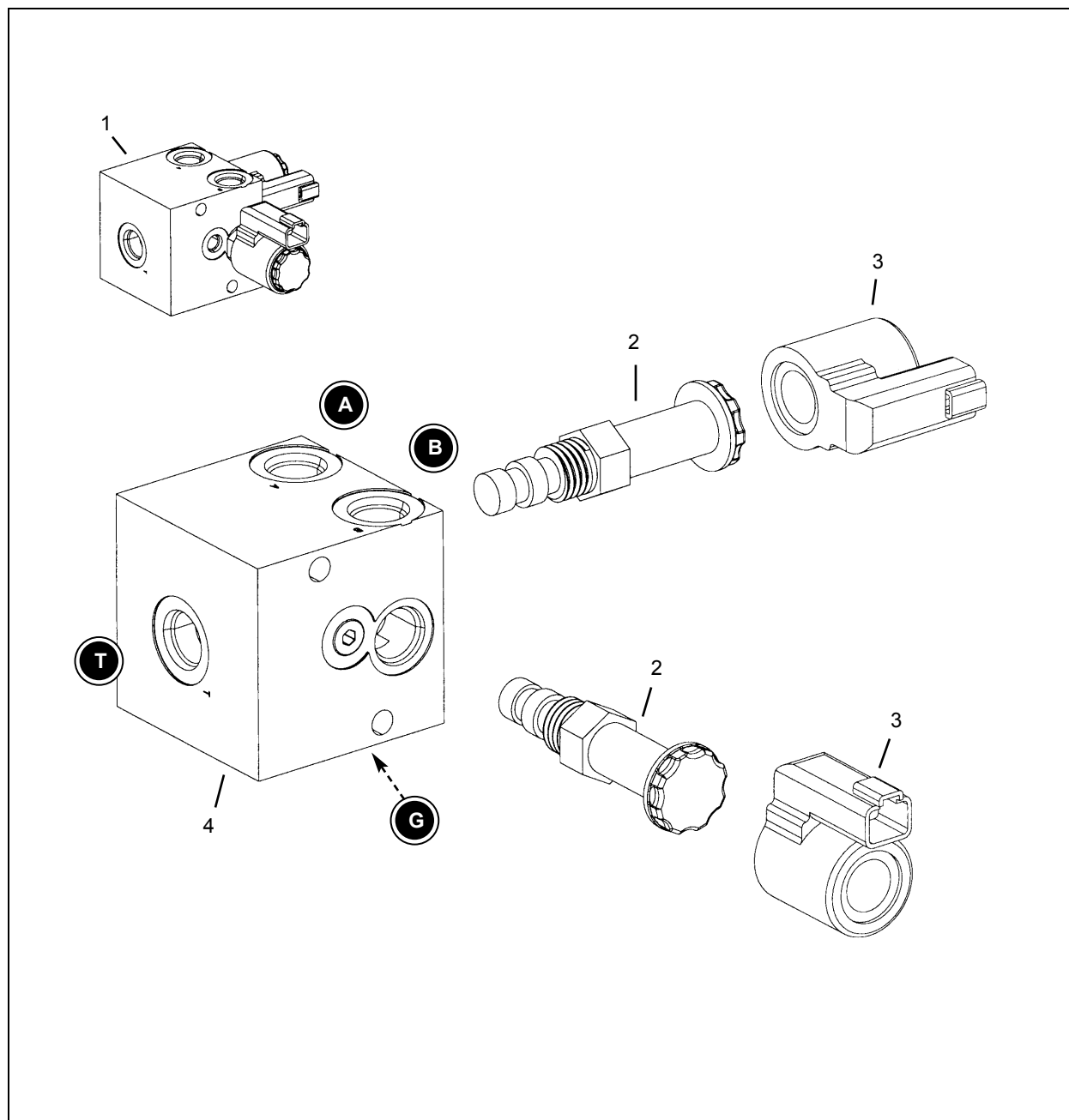


Item No.	Part No.	Description	Qty.
01	271958	VALVE, SELF-LEVEL W/BYPASS (includes all items shown)	1
02	NSS	COIL NUT (included with item 4)	1
03	50280058	COIL, 12 VDC	1
04	50280059	VALVE, CARTRIDGE 2-WAY NC	1
05	080808	PIN	1
06	080809	ADJUSTMENT CAP	1
07	080811	SET SCREW	1
08	080810	NUT	1
09	NSS	COVER	1
10	080813	PLUG ASSEMBLY (includes o-ring)	2
11	088472	PLUG ASSEMBLY (includes o-ring)	1

Item No.	Part No.	Description	Qty.
12	088471	SPRING	1
13	088473	LOAD CHECK	1
14	NSS	O-RINGS (included with item #21)	2
15	NSS	BODY	1
16	NSS	SPOOL	1
17	350-27299	RETAINING RING	1
18	089961	SPRING	1
19	129004	PLUG ASSEMBLY (includes o-ring)	1
20	NSS	SPOOL	1
21	129066	SEAL KIT (includes item #9 and all o-rings shown)	1

RT210 - HYDRAULIC COMPONENTS

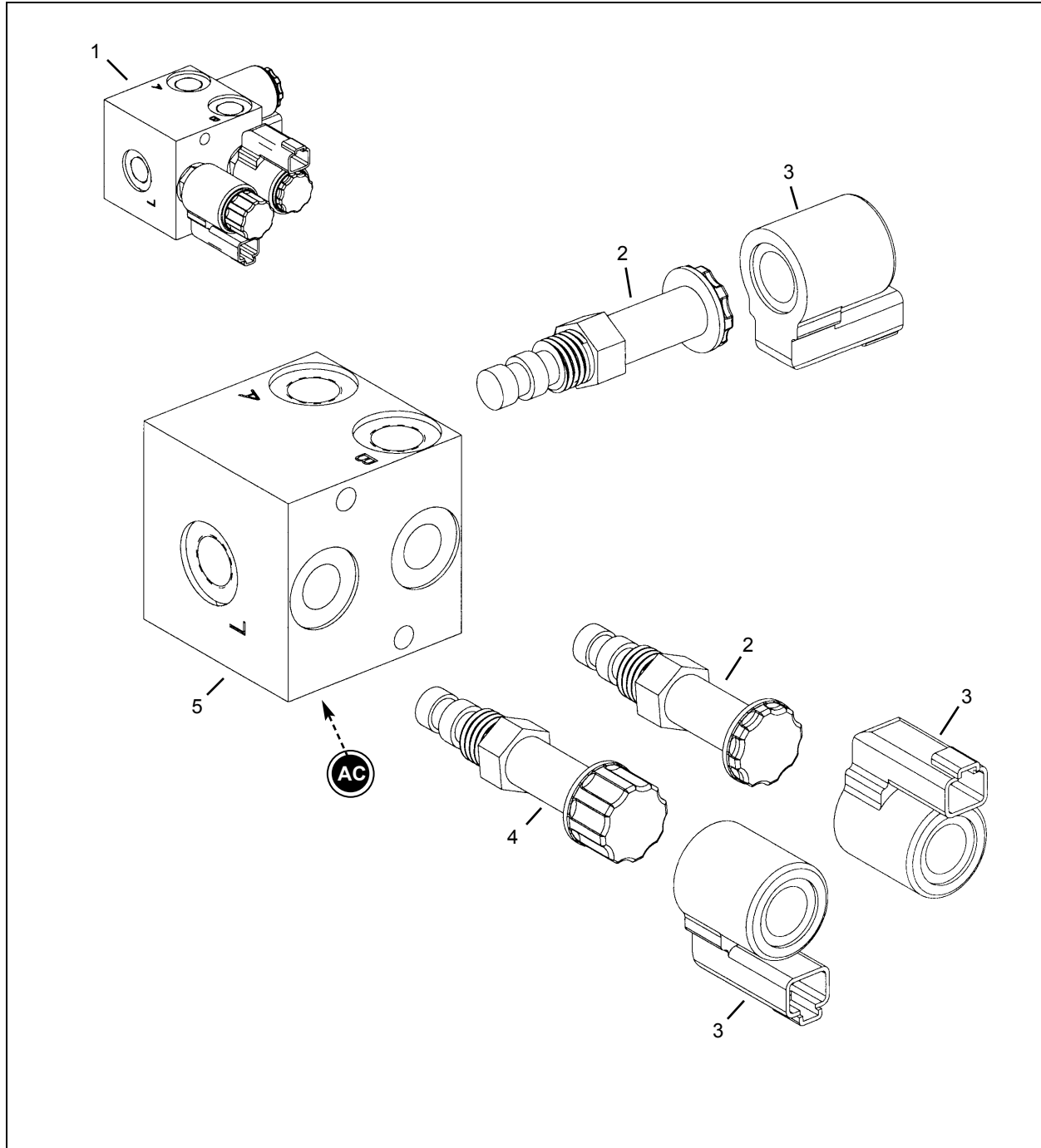
FLOAT MANIFOLD - (STANDARD)



Item No.	Part No.	Description	Qty.
01	274011	MANIFOLD, FLOAT (includes all items shown)	1
02	184389	CARTRIDGE 2-WAY NC	2
03	184384	COIL, 12 VDC	2
04	NSS	MANIFOLD BLOCK	1

RT210 - HYDRAULIC COMPONENTS

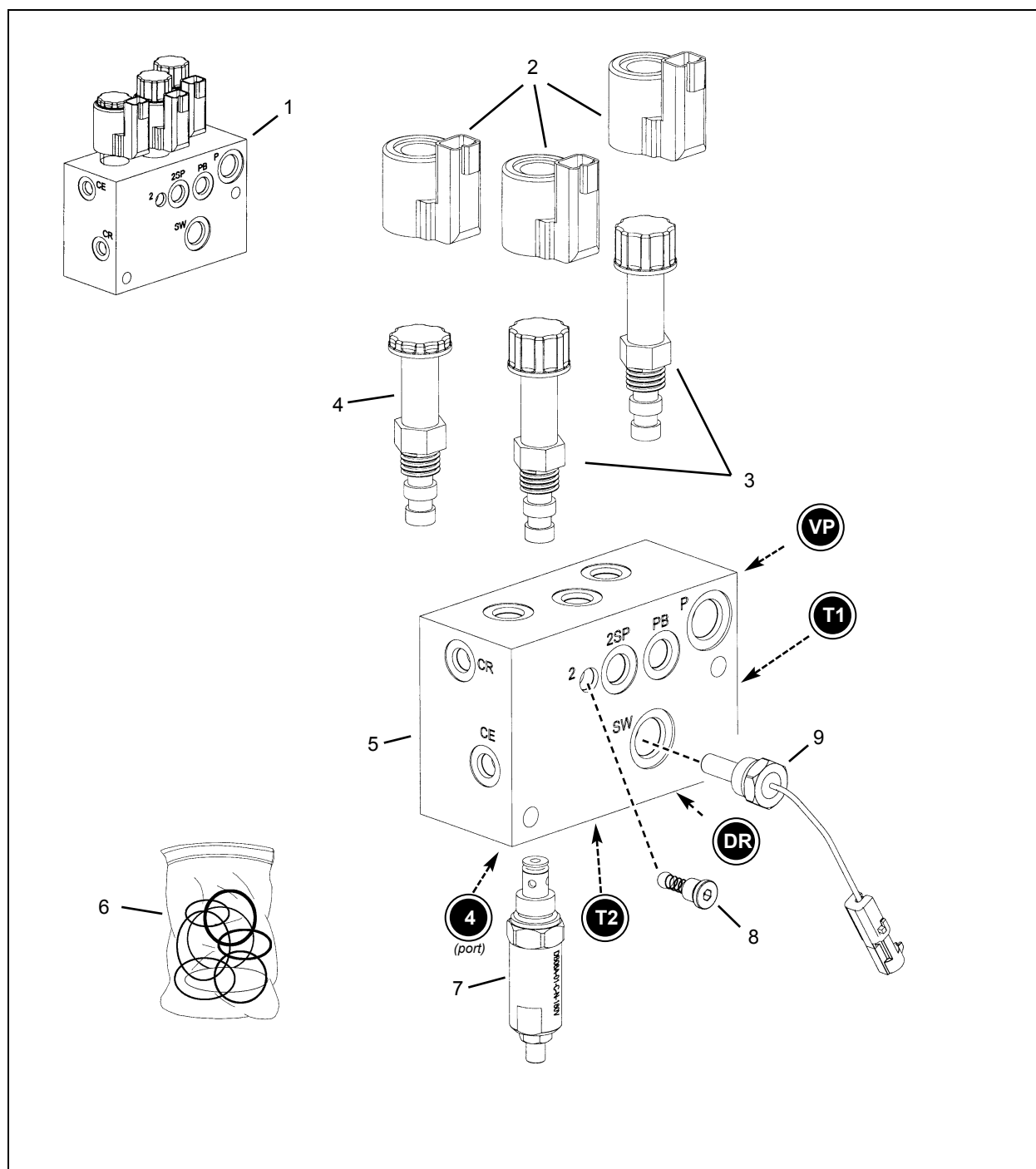
HYDRAGLIDE™ RIDE CONTROL MANIFOLD - (OPTION)



Item No.	Part No.	Description	Qty.
01	184363	MANIFOLD, HYDRAGLIDE™ (includes all items shown)	1
02	184389	CARTRIDGE 2-WAY NC	2
03	184384	COIL, 12 VDC	3
04	184388	CARTRIDGE 2-WAY NC	1
05	NSS	MANIFOLD BLOCK	1

RT210 - HYDRAULIC COMPONENTS

PILOT PRESSURE MANIFOLD

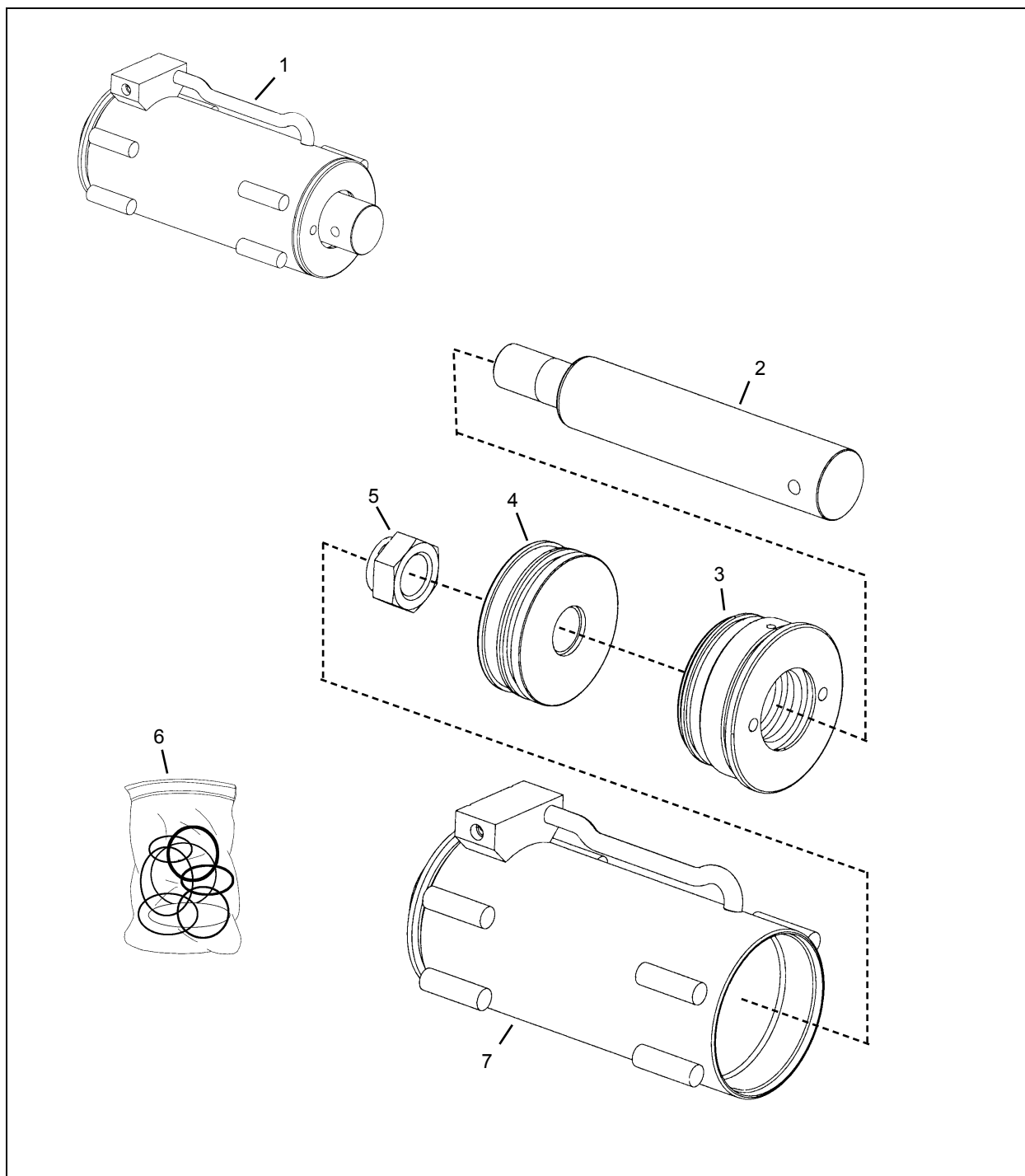


Item No.	Part No.	Description	Qty.
01	274477	MANIFOLD, PILOT PRESSURE (includes all items shown—except #9)	1
02	184384	COIL, 12 VDC	3
03	184388	CARTRIDGE, 3-WAY	2
04	184389	CARTRIDGE, 4-WAY	1
05	NSS	MANIFOLD BLOCK	1

Item No.	Part No.	Description	Qty.
06	50280052	SEAL KIT (not shown) (includes seal for all cartridges and valves)	1
07	50280051	RELIEF VALVE	1
08	50280053	CHECK VALVE	1
09	132049	TEMPERATURE SWITCH (not included with item #1)	1

RT210 - HYDRAULIC COMPONENTS

TRACK TENSION CYLINDER



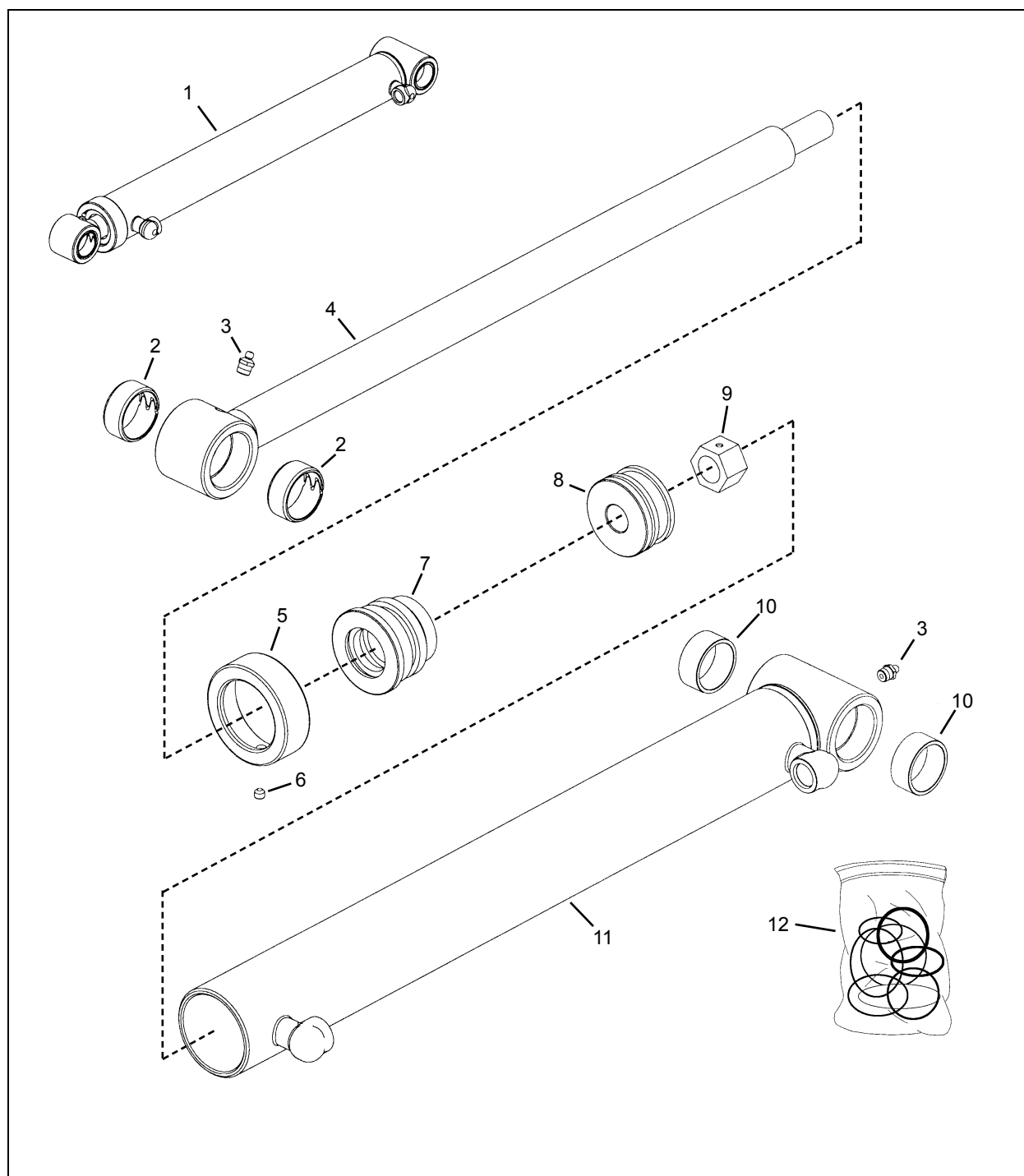
Item No.	Part No.	Description	Qty.
01	271414	CYLINDER, TENSION (includes all items shown)	AR
02	50280049	CYLINDER ROD	1
03	50280048	HEAD GLAND	1
04	50280047	PISTON	1
05	L99405	NUT, 1.250-12 UNF COLLAR LOCK	1

Item No.	Part No.	Description	Qty.
06	50280050	SEAL KIT (not shown)	1
07	50280046	TUBE WELDMENT	1

NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

RT210 - HYDRAULIC COMPONENTS

TILT CYLINDER



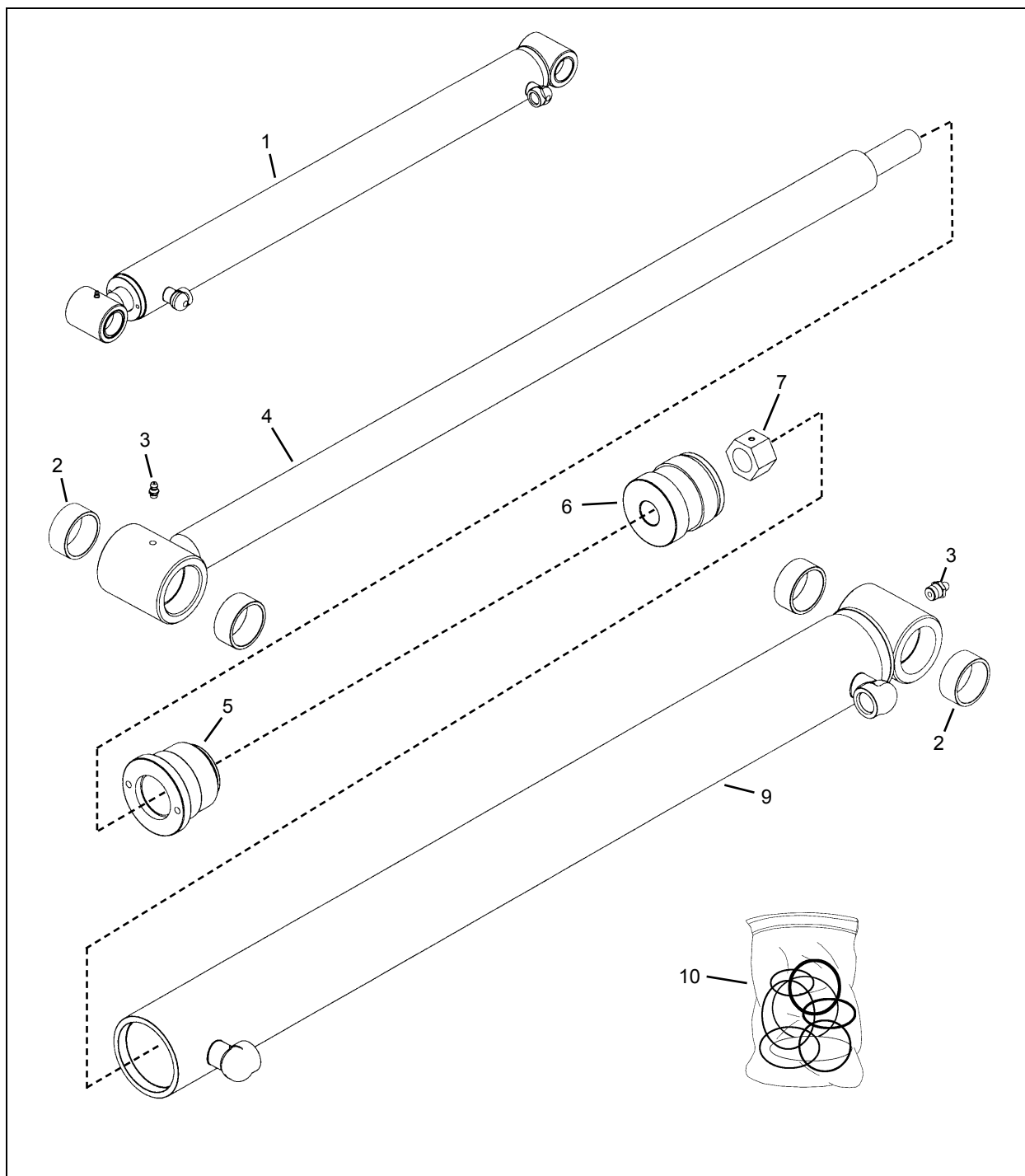
Item No.	Part No.	Description	Qty.
01	274674	CYLINDER, TILT (includes all items shown)	1
02	131488	BUSHING, 1.75/1.50/0.75 (included with item #4)	2
03	570019	ZERK 1/4"-28 STR. SELF-TAP	2
04	50280042	ROD WELDMENT	1
05	124074	HEAD GLAND CAP	1
06	L99857	SETSCREW, 5/16 x 1/4	1
07	124072	HEAD GLAND	1

Item No.	Part No.	Description	Qty.
08	50280044	PISTON	1
09	080313	LN 1.0 IN. FBZ	1
10	50280034	POLYLUBE BEARING	2
11	50280043	TUBE WELDMENT	1
12	50280045	SEAL KIT (not shown)	1

NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

RT210 - HYDRAULIC COMPONENTS

LIFT CYLINDER



Item No.	Part No.	Description	Qty.
01	274675	CYLINDER, LIFT (includes all items shown)	1
02	50280034	POLYLUBE BEARING (two are included with item #4)	4
03	570019	ZERK 1/4"-28 STR. SELF-TAP	2
04	50280037	ROD WELDMENT	1
05	50280041	HEAD GLAND	1

Item No.	Part No.	Description	Qty.
06	50280040	PISTON	1
07	075722	LN 7/8 FBZ	1
09	50280038	TUBE WELDMENT	1
10	50280039	SEAL KIT (not shown)	1

NOTE: The quantities shown are for one cylinder; the machine uses two cylinders.

GENERAL INFORMATION

Decal location 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 (e.g., drawings, photographs) to the 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 illustration for replacement location.

If there is a decal on a part that is to be replaced, be sure that a new decal is applied to the replacement part.

NOTE: Refer to the *SAFETY* chapter of the *Operator's Manual* for specific information provided on the various safety decals.

NOTE: The following pages in the decal section include decals for EU machines—many of which are shown beside the standard decals; when ordering decals, be sure to order the correct decals that are applicable to your machine.

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 pre-mask decal, first remove the backing paper to expose the adhesive side of the decal. Then, properly orient and position the decal onto the clean mounting surface. After the decal is firmly applied and smoothly pressed down, peel off the top covering paper.

PAINT FINISH

Use this list to order paint for refinishing:

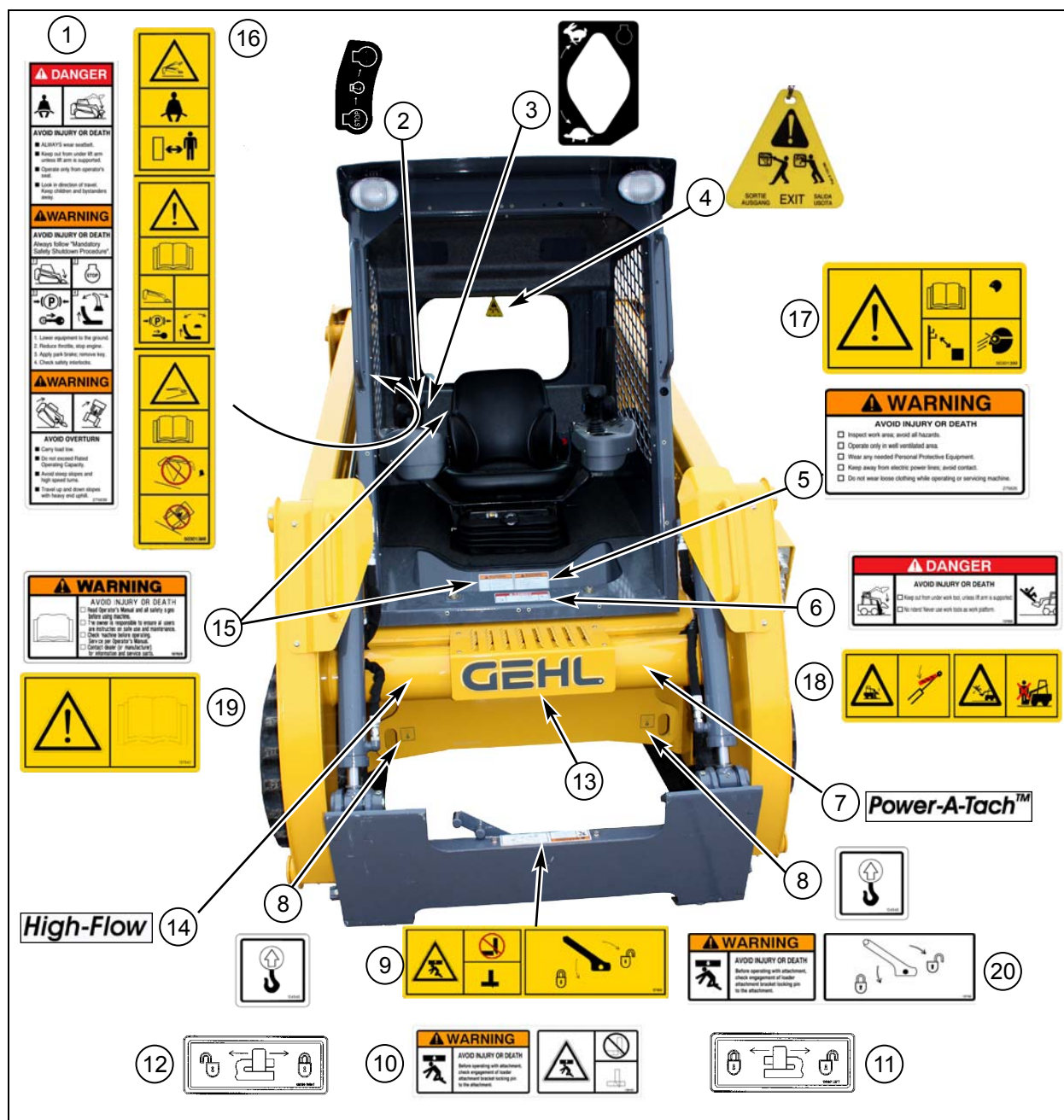
167788	One Gal. Yellow
167789	6 (12-oz. Spray Cans) Yellow
167754	One Gal. Gun-Metal Gray
167755	6 (12-oz. Spray Can) Gun-Metal Gray



CAUTION

ALWAYS read and follow the safety precautions and information shown on decals. If any decal is damaged or unreadable, or if the unit is repainted, the decals must be replaced. If repainting, **BE SURE** that all decals that apply to your machine are affixed in their proper locations.

RT210 - DECALS FRONT



Item No.	Part No.	Description	Qty.
01	275636	DECAL, MULTI-WARNING	1
02	242152	DECAL, IGNITION	1
03	50300020	DECAL, ACCELERATOR DIAL	1
04	132166	TAG, RIP-CORD	1
05	275635	DECAL, AVOID INJURY/DEATH	1
06	137655	DECAL, NO RIDERS	1
07	184357	DECAL, POWER-A-TACH™ *	1
08	137718	DECAL, LIFT POINT (clear)	2
09	137852	DECAL, MANUAL ATTACH LOCK ***	1
10	139101	DECAL, POWER-A-TACH™ LOCK *	1
11	139107	DECAL, LATCHING (LH) (option) *	1
12	139109	DECAL, LATCHING (RH) (option) *	1
13	183963	DECAL, GEHL 3.75" x 15.92"	1
14	184139	DECAL, HIGH-FLOW (option) **	1

Item No.	Part No.	Description	Qty.
15	137628	DECAL, OPERATOR'S MANUAL (behind seat - not shown)	2
16	50301398	DECAL, MULTI-WARNING (EU) ***	1
17	50301399	DECAL, WARNING (EU) ***	1
18	137844	DECAL, NO RIDERS (EU) ***	1
19	137842	DECAL, WARNING MANUAL (EU) ***	2
20	137755	DECAL, ATTACHMENT LOCK (STD)	1

* Used when equipped with the optional Power-A-Tach™ locking system.

** Used when equipped with the optional High-Flow hydraulics system.

*** Used only on EU machines.

RT210 - DECALS

RIGHT SIDE - (LATE STYLE)



Item No.	Part No.	Description	Qty.
01	50303561	DECAL, RT210 RH	1
02	50303562	DECAL, LIFT ARM	1
03		DECAL, JOYSTICK CONTROL (right)	1
	275632	ISO (standard)	
	275634	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	138711	DECAL, HYDRAGLIDE® **	1

Item No.	Part No.	Description	Qty.
06	137661	DECAL, TIE-DOWN POINT (clear)	1
07	137637	DECAL, KEEP OUT/LIFT ARM	1
08	50302120	DECAL, IDEALTRAX	1
09	139074	DECAL, AIR CONDITIONED	1

* Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT210 - DECALS (LATE STYLE) - LEFT SIDE



Item No.	Part No.	Description	Qty.
01	50303560	DECAL, RT210 LH	1
02	50303562	DECAL, LIFT ARM	1
03		DECAL, JOYSTICK CONTROL (<i>left</i>)	1
	275631	ISO (<i>standard</i>)	
	275633	ISO-DH (<i>option</i>)	
04	184116	DECAL, 2-SPEED (<i>set</i>) *	1
05	138711	DECAL, HYDRAGLIDE® **	1

Item No.	Part No.	Description	Qty.
06	137661	DECAL, TIE-DOWN POINT (<i>clear</i>)	1
07	137634	DECAL, DIESEL FUEL ONLY	1
08	50302120	DECAL, IDEALTRAX	1
09	139074	DECAL, AIR CONDITIONED	1

** Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT210 - DECALS

RIGHT SIDE- (EARLY STYLE)



Item No.	Part No.	Description	Qty.
01	50300036	DECAL, RT210 RH	1
02	50300033	DECAL, SWOOSH (set) *	1
03		DECAL, JOYSTICK CONTROL (right)	1
	275632	ISO (standard)	
	275634	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	50300032	DECAL, GEHL 4.23" x 18.00"	1
06	138711	DECAL, HYDRAGLIDE® **	1
07	137661	DECAL, TIE-DOWN POINT (clear)	1

Item No.	Part No.	Description	Qty.
08	137637	DECAL, KEEP OUT/LIFT ARM	1
09	137848	DECAL, DANGER LIFT ARM (EU) ***	1

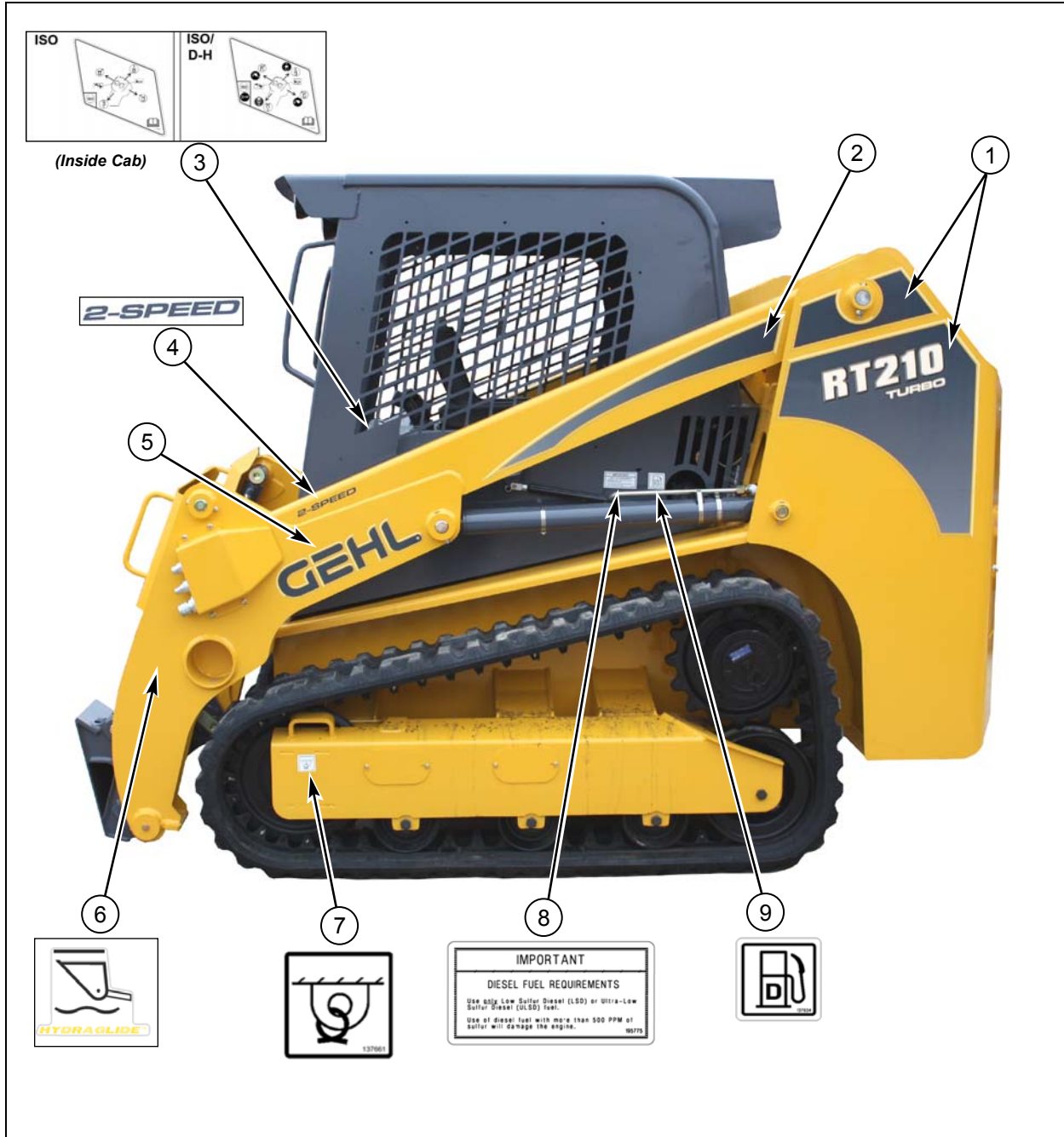
* Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

*** Used only on EU machines.

RT210 - DECALS

LEFT SIDE - (EARLY STYLE)



Item No.	Part No.	Description	Qty.
01	50300037	DECAL, RT210 LH	1
02	50300033	DECAL, SWOOSH (set) *	1
03		DECAL, JOYSTICK CONTROL (left)	1
	275631	ISO (standard)	
	275633	ISO-DH (option)	
04	184116	DECAL, 2-SPEED (set) *	1
05	50300032	DECAL, GEHL 4.23" x 18.00"	1

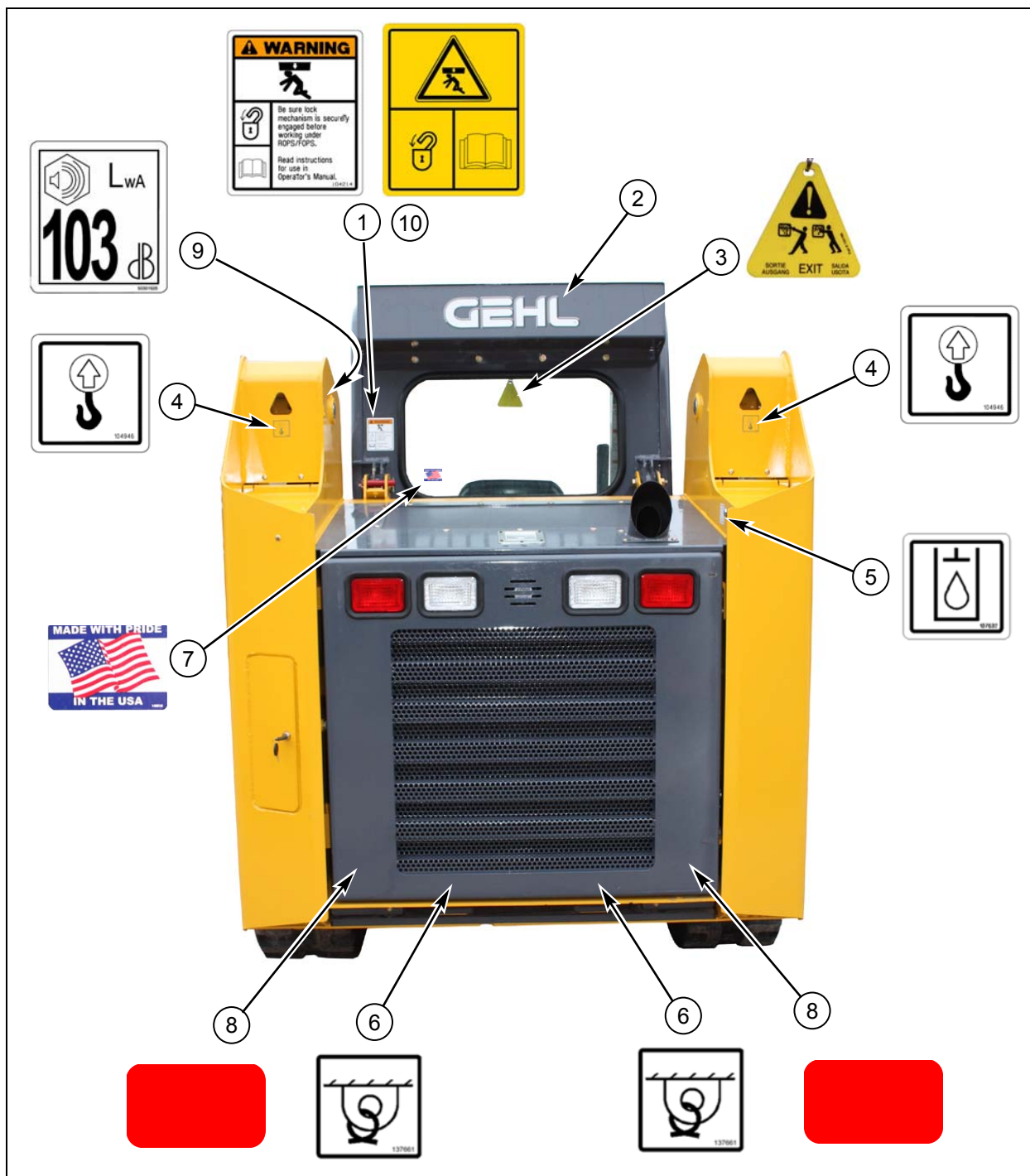
Item No.	Part No.	Description	Qty.
06	138711	DECAL, HYDRAGLIDE® **	1
07	137661	DECAL, TIE-DOWN POINT (clear)	1
08	195775	DECAL, LOW SULFUR DIESEL	1
09	137634	DECAL, DIESEL FUEL ONLY	1

** Set contains two decals—(1) left side and (1) right side.

** Used on machines equipped with optional Hydraglide™.

RT210 - DECALS

REAR

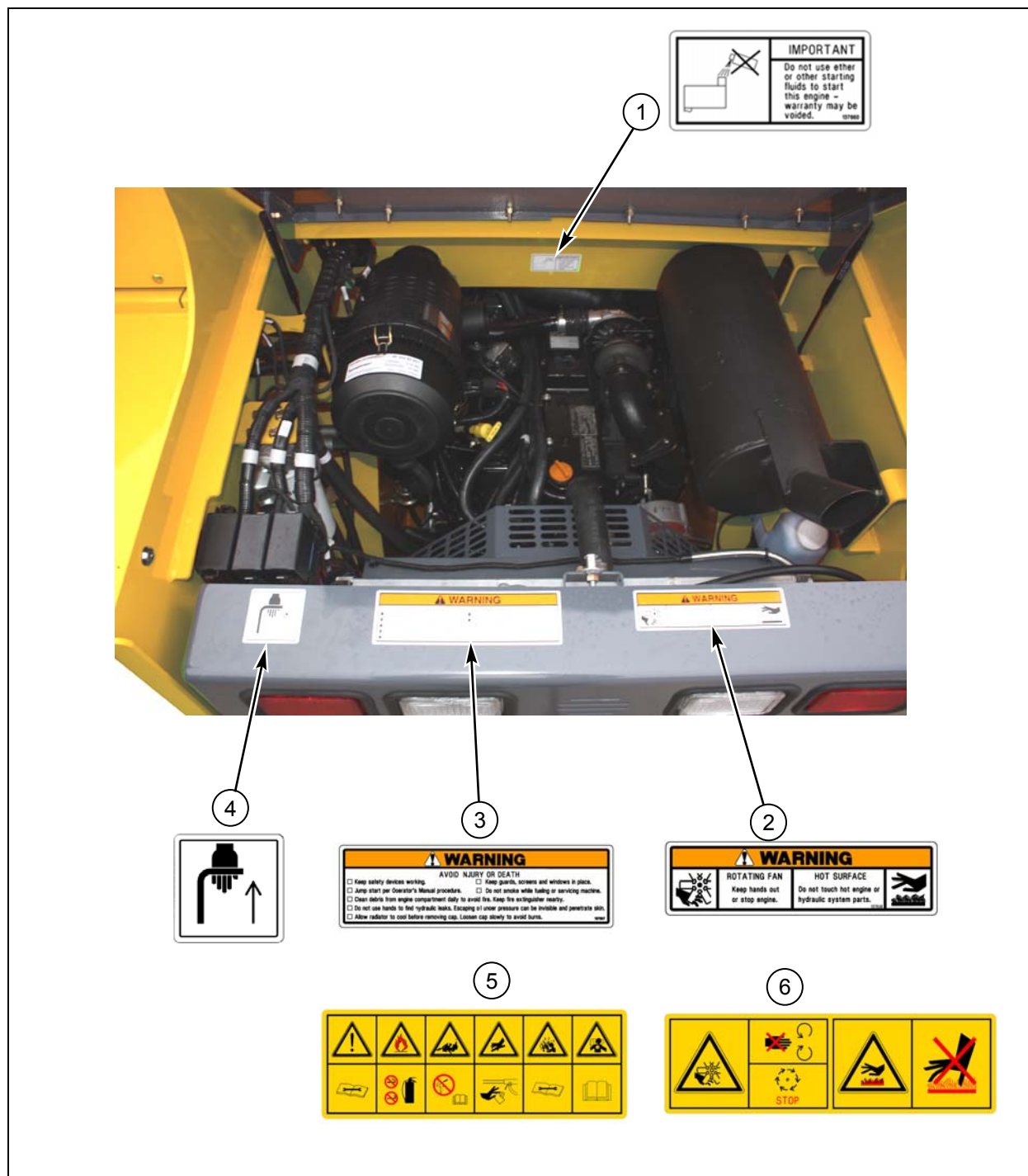


Item No.	Part No.	Description	Qty.
01	184214	DECAL, LOCK MECHANISM	2
<i>(NOTE: The second decal is affixed to the left-front under-side of the cab (not shown)—visible when the cab is in the raised position).</i>			
02	184043	DECAL, GEHL 3.75 x 15.92 (white)	1
03	132166	TAG, RIP-CORD	1
04	137718	DECAL, LIFT POINT	2
05	137632	DECAL, HYDRAULIC FLUID ONLY	1
06	104945	DECAL, TIE-DOWN POINT (white)	2

Item No.	Part No.	Description	Qty.
07	140516	DECAL, FLAG	1
08	137545	REFLECTOR, RED (EU) *	2
09	50301626	DECAL, SOUND 103 dB (EU) *	1
10	184711	DECAL, WARNING ROPS (EU) *	2
<i>(NOTE: The second decal is affixed to the left-front under-side of the cab (not shown)—visible when the cab is in the raised position).</i>			

* Used only on EU machines.

RT210 - DECALS ENGINE COMPARTMENT



Item No.	Part No.	Description	Qty.
01	137660	DECAL, DO NOT USE ETHER	1
02	137658	DECAL, ROTATING FAN/HOT SURF.	1
03	137657	DECAL, AVOID INJURY/DEATH	1
04	50300071	DECAL, LATCH	1

Item No.	Part No.	Description	Qty.
05	201190	DECAL, GENERAL WARNING (EU) *	1
06	137846	DECAL, DANGER HOT (EU) *	1

* Used only on EU machines.

RT210 - NUMERICAL INDEX

NUMERICAL INDEX

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129066	139	21	137386	89	15	140516	152	07	184684	96	13
131488	144	02	137462	07	09	140614	41	03	184685	96	16
131522	99	18	137503	23	14	140614	73	16	184711	152	10
131577	99	21	137542	125	10	140617	73	22	186014	71	23
131842	63	02	137545	152	08	140780	73	23	186151	37	05
131842	75	29	137602	24	10	145833	103	03	186193	35	07
131913	47	14	137602	25	09	145833	105	03	186308	67	08
131913	99	04	137603	24	10	167754	146	00	186679	53	04
131958	85	20	137603	25	09	167755	146	00	186703	35	08
131958	97	14	137628	147	15	167788	146	00	186716	35	09
132049	127	22	137632	152	05	167789	146	00	186936	37	14
132049	129	22	137634	149	07	171629	127	17	187030	39	10
132049	142	09	137634	151	09	171629	129	17	187347	91	24
132166	147	04	137637	85	50	176654	73	01	187347	91	25
132166	152	03	137637	148	07	176658	73	12	187347	91	29
132248	107	10	137637	150	08	182076	13	10	187347	91	30
132248	109	09	137655	147	06	183814	53	32	187724	13	05
132248	134	02	137657	153	03	183963	147	13	187725	71	20
132248	134	07	137658	153	02	183998	71	24	187726	71	22
132248	135	02	137660	153	01	184043	152	02	188748	61	15
132248	135	07	137661	148	06	184116	148	04	189033	24	05
132398	87	37	137661	149	06	184116	149	04	189754	133	17
132541	134	05	137661	150	07	184116	150	04	190597	109	13
132542	135	06	137661	151	07	184116	151	04	190597	135	05
132546	134	03	137718	147	08	184139	147	14	190950	89	36
132547	134	04	137718	152	04	184146	05	06	190950	91	10
132940	53	23	137755	147	20	184146	71	19	190950	96	11
134756	99	07	137793	37	13	184195	05	05	191268	53	47
134851	89	21	137797	37	12	184195	71	18	191651	63	19
135270	07	11	137842	147	19	184214	152	01	192182	07	26
135270	39	20	137844	147	18	184357	147	07	192454	33	04
135367	123	10	137846	153	06	184363	131	20	192587	71	28
135367	138	01	137848	150	09	184363	141	01	192848	71	38
135427	64	03	137852	147	09	184384	140	03	192909	65	01
135578	131	09	137959	45	13	184384	141	03	192932	71	07
135727	45	09	138488	71	05	184384	142	02	193024	05	04
135930	134	01	138623	37	10	184388	141	04	193024	67	06
136226	53	26	138649	41	08	184388	142	03	193154	71	08
136226	63	03	138651	41	07	184389	140	02	193157	09	37
136226	96	05	138711	148	05	184389	141	02	193157	11	11
136226	97	02	138711	149	05	184389	142	04	193157	26	13
136305	24	04	138711	150	06	184415	131	21	193157	27	13
137049	71	16	138711	151	06	184505	33	08	193157	28	12
137058	85	21	138714	41	10	184507	33	05	193157	29	10
137058	97	15	138752	87	14	184560	73	26	193206	53	08
137059	85	19	138777	37	20	184605	71	15	193206	55	29
137059	97	13	138777	41	17	184629	91	21	193562	103	11
137063	64	04	138778	41	18	184629	91	26	193562	105	18
137158	87	20	138779	41	19	184630	91	23	193569	61	08
137164	87	23	138781	73	21	184630	91	28	193665	107	06

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193743	107	04	241008	73	02	270322	81	06	271542	24	06
193743	109	06	241010	73	08	270445	48	01	271556	77	02
193971	63	13	241357	16	10	270545	103	05	271601	64	02
194068	63	18	241385	73	07	270545	103	06	271615	73	11
194166	67	05	241459	61	13	270545	103	18	271617	64	06
194316	61	14	241477	05	07	270545	111	07	271627	07	10
194507	91	20	241544	16	02	270545	111	08	271627	39	06
194981	37	04	241562	61	06	270545	117	09	271632	19	09
195106	73	- -	241563	61	11	270545	117	10	271637	19	08
195221	63	01	241900	17	09	270675	87	15	271670	23	17
195413	63	06	241932	61	10	270811	25	01	271671	23	19
195568	05	01	242146	53	18	270842	23	12	271678	29	01
195568	63	14	242146	55	27	270848	07	08	271680	81	03
195660	05	10	242146	55	28	270915	20	03	271680	113	13
195660	07	18	242146	55	32	271005	77	05	271680	115	13
195660	39	02	242146	57	15	271005	80	01	271680	119	04
195775	151	08	242152	147	02	271020	77	15	271680	121	04
198139	67	13	242381	55	25	271020	79	01	271689	99	06
201000	47	11	242475	61	16	271024	45	15	271698	53	43
201190	153	05	242633	07	07	271025	48	04	271698	55	07
201232	57	20	242633	91	14	271222	42	03	271698	55	08
201382	64	10	242636	24	01	271248	95	07	271700	57	05
201385	64	11	242636	24	02	271250	93	07	271702	24	07
201390	64	05	242636	25	08	271264	85	04	271709	81	02
201390	64	12	242636	26	05	271269	35	06	271709	111	14
201409	64	08	242636	27	05	271276	109	15	271709	113	14
203822	05	03	242636	28	03	271282	93	14	271709	115	14
203822	67	13	242636	29	25	271282	131	03	271709	117	03
210-19470	26	07	242779	15	09	271316	21	04	271709	119	03
210-19470	27	07	242780	15	10	271321	21	03	271709	121	03
210-19533	45	20	242801	17	08	271324	21	01	271718	45	01
210-19533	125	15	242832	05	09	271327	21	02	271743	24	08
210-31017	13	18	242832	23	05	271336	21	05	271756	23	08
210-31017	26	17	242947	17	19	271345	35	05	271756	59	02
210-31017	27	17	243009	85	37	271363	85	02	271858	27	19
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210-31017	49	03	243270	16	03	271366	87	03	271859	26	19
210-31017	53	31	243319	57	02	271371	33	02	271859	28	23
210-31017	71	27	243452	17	20	271379	15	01	271864	35	03
210-31017	75	30	243453	17	18	271380	15	02	271864	37	07
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210-31017	89	04	243456	17	12	271394	23	23	271868	41	01
210-31017	91	15	243512	17	07	271395	23	24	271869	47	18
210-32183	91	18	243516	17	16	271414	77	07	271898	23	21
210-32184	13	07	243546	17	04	271414	143	01	271899	23	16
210450	63	16	244815	39	11	271425	19	15	271902	105	07
230-18127	127	26	245121	133	07	271448	123	11	271956	99	13
230-18127	129	23	245235	39	15	271448	131	17	271956	125	17
230-30569	95	11	263369	29	17	271450	23	18	271958	123	10
230-32195	77	12	270064	87	32	271452	41	04	271958	139	01
230-32412	99	16	270064	89	39	271459	68	05	272007	103	01
230-32693	125	03	270100	75	10	271459	69	05	272007	105	01
240055	17	01	270100	101	07	271468	68	01	272007	133	15
240272	136	05	270238	75	21	271468	69	01	272010	77	01
240272	137	12	270246	23	15	271476	125	01	272029	33	07
240274	136	14	270247	75	14	271476	125	02	272046	75	16
240274	137	09	270263	75	11	271491	05	08	272046	103	19
240277	136	03	270264	75	09	271491	73	18	272046	105	14
240277	137	13	270276	67	07	271503	47	17	272052	75	23
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272082	58	01	272913	77	08	273650	113	02	273915	127	13
272099	23	09	272943	57	23	273650	115	02	273915	129	13
272101	71	31	272950	107	11	273650	117	02	273926	103	14
272248	65	03	272950	109	16	273650	119	02	273926	105	10
272287	125	18	272972	45	11	273650	121	02	273926	127	07
272299	71	13	273035	85	26	273652	77	11	273926	129	07
272300	71	14	273037	29	24	273652	81	04	273928	129	03
272318	71	30	273038	61	02	273652	83	01	273968	24	04
272381	71	01	273071	26	02	273652	111	01	273968	24	05
272382	71	09	273071	27	02	273652	113	01	274011	131	14
272397	48	08	273071	28	04	273652	115	01	274011	140	01
272398	85	15	273071	29	21	273652	117	01	274023	127	11
272423	101	06	273071	58	03	273652	119	01	274023	129	11
272423	107	03	273143	115	05	273652	121	01	274023	131	16
272423	109	08	273143	121	05	273677	85	12	274024	123	06
272426	68	02	273214	26	08	273689	93	15	274025	123	07
272426	69	02	273214	28	05	273689	93	16	274030	123	04
272443	49	05	273217	45	23	273746	53	13	274033	123	05
272452	101	01	273228	45	23	273773	53	38	274033	131	19
272531	25	04	273332	11	03	273844	95	13	274039	123	01
272537	64	07	273340	09	17	273850	67	03	274039	123	02
272542	26	09	273340	11	32	273850	68	09	274047	131	10
272542	27	09	273340	13	01	273850	69	09	274048	131	11
272542	28	06	273340	13	01	273860	96	03	274065	75	12
272542	29	05	273361	53	44	273863	93	12	274114	97	06
272542	47	05	273361	97	11	273863	93	13	274114	99	23
272543	26	10	273361	109	05	273867	99	12	274125	99	06
272543	27	10	273369	26	16	273867	125	09	274185	67	10
272543	28	07	273369	27	16	273871	47	12	274203	16	09
272543	29	04	273369	28	14	273883	103	10	274237	17	00
272543	47	04	273369	45	--	273883	103	13	274333	105	05
272546	35	—	273369	53	27	273883	105	09	274333	105	12
272578	25	03	273369	58	02	273883	127	14	274333	113	07
272579	20	07	273369	89	23	273883	129	14	274333	115	07
272579	23	10	273382	59	06	273885	99	20	274333	119	10
272594	20	04	273406	09	11	273885	127	05	274333	121	10
272641	77	14	273406	11	22	273885	129	05	274334	105	06
272643	77	04	273407	09	13	273892	95	02	274334	119	09
272648	53	40	273407	11	24	273892	95	04	274334	121	09
272649	53	41	273408	09	12	273892	131	02	274335	28	01
272650	53	40	273408	11	21	273892	131	07	274336	105	13
272650	53	41	273445	103	02	273893	95	01	274336	113	08
272723	53	42	273445	105	02	273893	95	03	274336	115	08
272723	55	01	273451	95	14	273893	131	01	274343	47	03
272723	55	02	273459	93	01	273893	131	06	274346	47	06
272723	55	03	273529	75	01	273906	111	06	274347	47	07
272723	55	04	273545	27	08	273906	113	06	274369	11	15
272723	55	05	273545	29	02	273906	115	06	274371	109	21
272723	55	06	273566	125	05	273906	117	06	274372	93	02
272723	91	31	273567	42	02	273906	119	06	274372	93	03
272723	91	32	273576	47	08	273906	121	06	274386	77	20
272723	91	33	273624	85	07	273907	99	10	274386	77	21
272723	91	34	273628	96	01	273907	111	04	274386	127	15
272736	85	29	273628	96	02	273907	113	04	274386	127	16
272746	45	05	273631	97	05	273907	115	04	274386	129	15
272750	45	10	273631	97	07	273911	115	12	274386	129	16
272758	85	11	273631	109	19	273911	129	08	274389	77	18
272759	85	13	273631	109	20	273913	121	07	274389	127	18
272770	45	19	273640	97	10	273913	129	09	274389	127	19
272796	48	11	273640	109	03	273915	111	11	274389	129	18
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274424	11	25	275207	59	01	275954	125	08	50280048	143	03
274430	85	27	275223	53	21	275956	125	07	50280049	143	02
274445	99	14	275225	41	16	275957	69	07	50280050	143	06
274477	111	19	275226	41	12	275958	68	08	50280051	142	07
274477	113	19	275228	41	14	275958	69	08	50280052	142	06
274477	117	15	275236	23	01	275977	85	18	50280053	142	08
274477	119	15	275241	20	05	275979	27	21	50280056	134	09
274477	127	01	275241	23	12	275979	29	22	50280056	135	03
274477	129	01	275249	23	07	275980	28	20	50280057	135	04
274477	142	01	275268	75	28	275982	26	11	50280058	139	03
274521	87	01	275291	23	15	275982	27	11	50280059	139	04
274521	89	03	275321	16	04	275982	28	08	50280070	133	01
274526	87	08	275325	45	18	275982	29	03	50280071	133	06
274576	11	02	275328	19	02	276002	85	24	50280072	133	10
274577	11	04	275353	23	03	276026	09	34	50280073	133	13
274594	13	07	275380	55	34	276026	11	12	50280074	133	14
274598	85	10	275380	89	20	276026	26	15	50280075	133	15
274598	96	08	275386	19	01	276026	27	15	50280076	133	16
274602	77	16	275398	61	01	276026	28	13	50280077	133	18
274603	81	07	275437	53	09	276026	29	12	50280079	133	20
274604	81	05	275459	25	02	276032	61	16	50280081	133	21
274611	134	06	275460	25	02	276038	85	16	50280081	133	34
274655	47	05	275469	31	01	276045	89	28	50280082	133	22
274656	16	04	275472	28	22	276047	57	19	50280083	133	24
274656	85	31	275480	29	18	276052	57	06	50280083	133	37
274666	109	13	275512	28	19	310-32288	91	19	50280084	133	25
274666	135	01	275515	31	01	310-32610	49	07	50280086	133	27
274674	144	01	275519	24	03	310-32616	75	13	50280087	133	28
274675	145	01	275523	89	02	350-27299	138	17	50280088	133	29
274676	93	10	275535	53	30	350-27299	139	17	50280088	133	79
274677	95	08	275538	57	18	420-29434	95	15	50280089	133	30
274717	45	26	275574	77	17	420-36087	31	02	50280090	133	31
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274734	23	26	275597	37	01	420-36187	09	20	50280093	133	40
274735	67	11	275598	07	19	420-36187	13	14	50280094	133	41
274747	71	34	275598	39	03	425-36152	75	29	50280095	133	42
274784	07	13	275599	07	20	425-36233	75	25	50280096	133	43
274788	07	16	275599	39	08	425-36235	75	26	50280097	133	47
274788	07	35	275600	07	22	50220070	55	20	50280098	133	48
274788	39	18	275600	39	09	50220071	55	31	50280099	133	50
274804	43	07	275601	07	21	50280001	61	03	50280100	133	51
274807	07	17	275601	39	07	50280001	65	05	50280101	133	53
274839	77	19	275609	37	17	50280002	65	04	50280102	133	54
274839	129	19	275629	89	18	50280003	65	02	50280103	133	55
274842	23	25	275631	149	03	50280004	87	07	50280105	133	58
274859	87	36	275631	151	03	50280004	107	08	50280106	133	59
274868	23	04	275632	148	03	50280004	109	10	50280107	133	60
274870	47	05	275632	150	03	50280005	87	17	50280108	133	61
274886	37	06	275633	149	03	50280006	87	12	50280109	133	70
274940	28	24	275633	151	03	50280034	144	10	50280110	133	72
275003	29	23	275634	148	03	50280034	145	02	50280111	133	74
275016	07	30	275634	150	03	50280037	145	04	50280112	133	75
275016	19	04	275635	147	05	50280038	145	09	50280113	133	76
275077	53	20	275636	147	01	50280039	145	10	50280114	133	77
275078	45	- -	275640	09	31	50280040	145	06	50280115	133	78
275087	23	01	275687	89	22	50280041	145	05	50280116	133	80
275135	45	31	275797	89	11	50280042	144	04	50280117	133	81
275151	57	13	275798	89	06	50280043	144	11	50280118	133	82
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50280124	15	04	50280183	136	06	50300088	59	04	50300605	119	09
50280124	133	90	50280184	136	07	50300089	97	09	50300605	119	10
50280125	83	17	50280185	136	09	50300089	109	02	50300605	121	09
50280126	83	02	50280185	137	03	50300090	85	34	50300619	42	06
50280127	83	03	50280186	09	17	50300092	43	04	50300658	45	32
50280128	83	04	50280186	11	32	50300093	26	21	50300666	42	05
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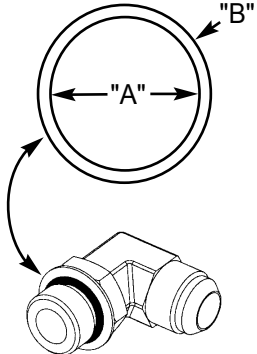
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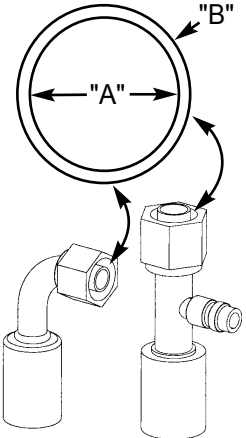
RT210 - REFERENCE

O-RING TABLES

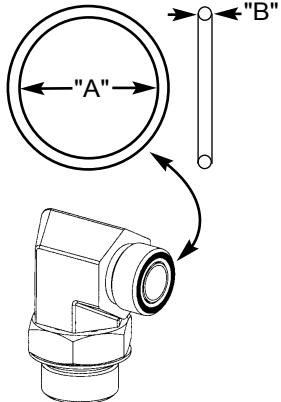
O-Ring Table — Male Boss Fittings

	Fitting Thread Size	Diameter "A"	Diameter "B"	Part Number
	9/16 - 18	0.468	0.078	055897
	3/4 - 16	0.644	0.087	055896
	7/8 - 14	0.755	0.097	055898
	1-1/16 - 12	0.924	0.116	048953
	1-5/16 - 12	1.171	0.116	058674
	1-5/8 - 12	1.475	0.118	077970
	A/C #6	0.312	0.453	138777
	A/C #8	0.437	0.578	138778
	A/C #10	0.562	0.703	138779

O-Ring Table — Air Conditioning Fittings

	A/C Fitting	Diameter "A"	Diameter "B"	Part Number
	A/C #6	0.312	0.453	138777
	A/C #8	0.437	0.578	138778
	A/C #10	0.562	0.703	138779

O-Ring Table — Face Seal Fittings

	Fitting Thread Size	Tube O.D.	Diameter "A"	Thickness "B"	Part Number
	9/16 - 18	1/4	0.301	0.070	50300165
	11/16 - 16	3/8	0.364	0.070	50300166
	13/16 - 16	1/2	0.489	0.070	50300167
	1-14 - 14	5/8	0.614	0.070	135124
	1-13/16 - 12	3/4	0.739	0.070	137205
	1-7/16 - 12	1	0.926	0.070	50300168

RT210 - REFERENCE ADAPTER (FITTINGS) TORQUE GUIDE

Use these torque values when tightening hydraulic, fuel, or coolant adapters (fittings).

SAE "O-Ring" Boss (Steel) Adapters					
Size		Pounds-Force Foot (lb.-ft.)		Newton Meter (N-m)	
Dash	Fractional	Minimum	Maximum	Minimum	Maximum
-3	3/16	8	10	11	13
-4	1/4	14	16	19	21
-5	5/16	18	20	24	27
-6	3/8	24	26	32	35
-8	1/2	50	60	68	81
-10	5/8	72	80	97	108
-12	3/4	125	135	170	183
-14	7/8	160	180	216	244
-16	1	200	220	271	298
-20	1-1/4	210	280	285	380
-24	1-1/2	270	360	366	488

JIC 37° and 45° (Machined or Flared) Adapters					
Size		Pounds-Force Foot (lb.-ft.)		Newton Meter (N-m)	
Dash	Fractional	Minimum	Maximum	Minimum	Maximum
-4	1/4	10	11	13	15
-5	5/16	13	15	17	20
-6	3/8	17	19	23	26
-8	1/2	34	38	46	51
-10	5/8	50	56	68	78
-12	3/4	70	78	95	106
-16	1	94	104	127	141
-20	1-1/4	124	138	168	187
-24	1-1/2	156	173	211	234
-32	2	219	243	297	329

RT210 - REFERENCE

METRIC BOLT TORQUE GUIDE

Use these torque values when tightening hardware—excluding: lock nuts, thread-forming, self-tapping, and metal screws—unless otherwise specified.

Metric Coarse-Pitch Thread—(DRY)	All torque values are in Foot-Pounds and Newton Meters (Nm).				
	DIN 912, DIN 931, DIN 933, etc...			DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M5	4.1 (5.5)	6 (8)	7 (10)	4 (5)	5 (7)
M6	7 (10)	10 (14)	13 (17)	6.3 (8.5)	9 (12)
M8	18 (25)	26 (35)	31 (42)	15 (20)	22 (30)
M10	33 (45)	48 (65)	59 (80)	30 (40)	44 (59)
M12	64 (87)	81 (110)	108 (147)	51 (69)	74 (100)
M14	100 (135)	133 (180)	170 (230)	81 (110)	118 (160)
M16	155 (210)	203 (275)	258 (350)	125 (170)	184 (250)
M18	207 (280)	302 (410)	354 (480)	181 (245)	254 (345)
M20	302 (410)	420 (570)	509 (690)	251 (340)	361 (490)
M22	406 (550)	575 (780)	686 (930)	339 (460)	487 (660)
M24	524 (710)	738 (1000)	878 (1190)	435 (590)	620 (840)
M27	767 (1040)	1092 (1480)	1305 (1770)	642 (870)	922 (1250)
M30	1047 (1420)	1482 (2010)	1770 (2400)	885 (1200)	1254 (1700)

Metric Coarse-Pitch Thread—(OILED)	All torque values are in Foot-Pounds and Newton Meters (Nm).				
	DIN 912, DIN 931, DIN 933, etc...				
	8.8	10.9	12.9		
M6-1	6 (8)	8 (11)	10 (14)		
M8-1.25	14 (19)	20 (27)	24 (33)		
M10-1.5	28 (38)	39 (53)	47 (63)		
M12-1.75	48 (65)	68 (91)	82 (111)		
M14-2	77 (103)	108 (146)	131 (177)		
M16-2	118 (160)	166 (224)	200 (271)		

Metric Fine-Pitch Thread—(DRY)	All torque values are in Foot-Pounds and Newton Meters (Nm).				
	DIN 912, DIN 931, DIN 933, etc...			DIN 7984	
	8.8	10.9	12.9	8.8	10.9
M8X1.0	18 (25)	27 (37)	32 (43)	16 (22)	24 (32)
M10X1.0	37 (50)	55 (75)	65 (88)	32 (43)	48 (65)
M10X1.25	36 (49)	52 (71)	61 (83)	31 (42)	46 (62)
M12X1.25	64 (87)	96 (130)	111 (150)	55 (75)	81 (110)
M12X1.5	61 (83)	92 (125)	107 (145)	53 (72)	77 (105)
M14X1.5	100 (135)	148 (200)	173 (235)	89 (120)	129 (175)
M16X1.5	155 (210)	229 (310)	266 (360)	133 (180)	195 (265)
M18X1.5	232 (315)	332 (450)	391 (530)	199 (270)	284 (385)
M20X1.5	325 (440)	465 (630)	538 (730)	277 (375)	391 (530)
M22X1.5	435 (590)	620 (840)	723 (980)	369 (500)	524 (710)
M24X2.0	546 (740)	789 (1070)	922 (1250)	465 (630)	664 (900)
M27X2.0	811 (1100)	1143 (1550)	1328 (1800)	679 (920)	959 (1300)
M30X2.0	1106 (1500)	1586 (2150)	1844 (2500)	959 (1300)	1364 (1850)

RT210 - REFERENCE

SAE BOLT TORQUE GUIDE

Use these torque values when tightening hardware—excluding: lock nuts, thread-forming, self-tapping, and metal screws—unless otherwise specified.

NOTE: All torque values are in foot-pounds (lb.-ft.), except those marked with asterisks (*), which are in inch-pounds (lb.-in.). To convert lb.-ft. to Newton Meter (Nm)—metric—torque values, multiply the lb.-ft. value by 1.355, or for inch pounds, multiply the lb.-in. value by 0.113.

Unified National Thread	Grade 2 		Grade 5 		Grade 8 	
	Dry	Oiled	Dry	Oiled	Dry	Oiled
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	630	660	500
1-8	190	190	640	480	900	680
1-14	210	210	710	530	1000	740

* Value shown is in pound-force inch (lb.-in.)—inch pounds.

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