

**GEHL**

Form No.

**913362**

Revision F  
APRIL  
2014

# RT175

## Compact Track Loader

*Serial Number 10401 through 811000  
(Equipped with a TIER III or Interim TIER IV engine)*



# Parts Manual

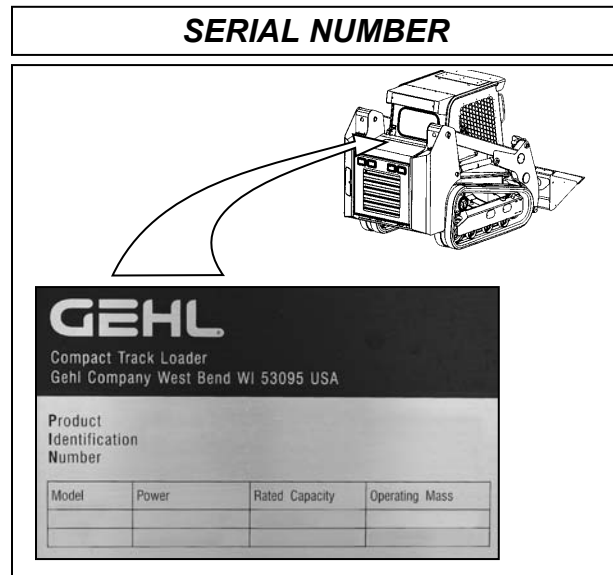
# INTRODUCTION

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 breaks are indicated as follows:

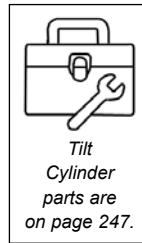
- (SN 999 and before) - indicates serial numbers up to and including 999.
- (SN 1000 - 2000) - indicates serial numbers from 1000 to 2000.
- (SN 999 - 811000) - indicates serial numbers including 999 and after.

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

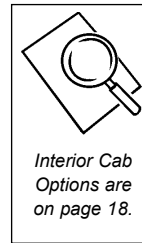
## HYDRAULIC AND ELECTRICAL SCHEMATICS

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.

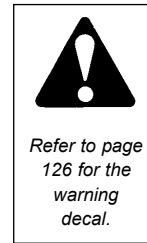
The following icons shown on various pages provide important information or identify where additional information can be found.



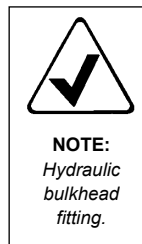
Identifies where additional pages for component parts, seals, and kits can be found.



Identifies where additional information can be found.



Alerts and directs user to investigate more information.



Identifies missing, hidden parts, or adds informational comments.



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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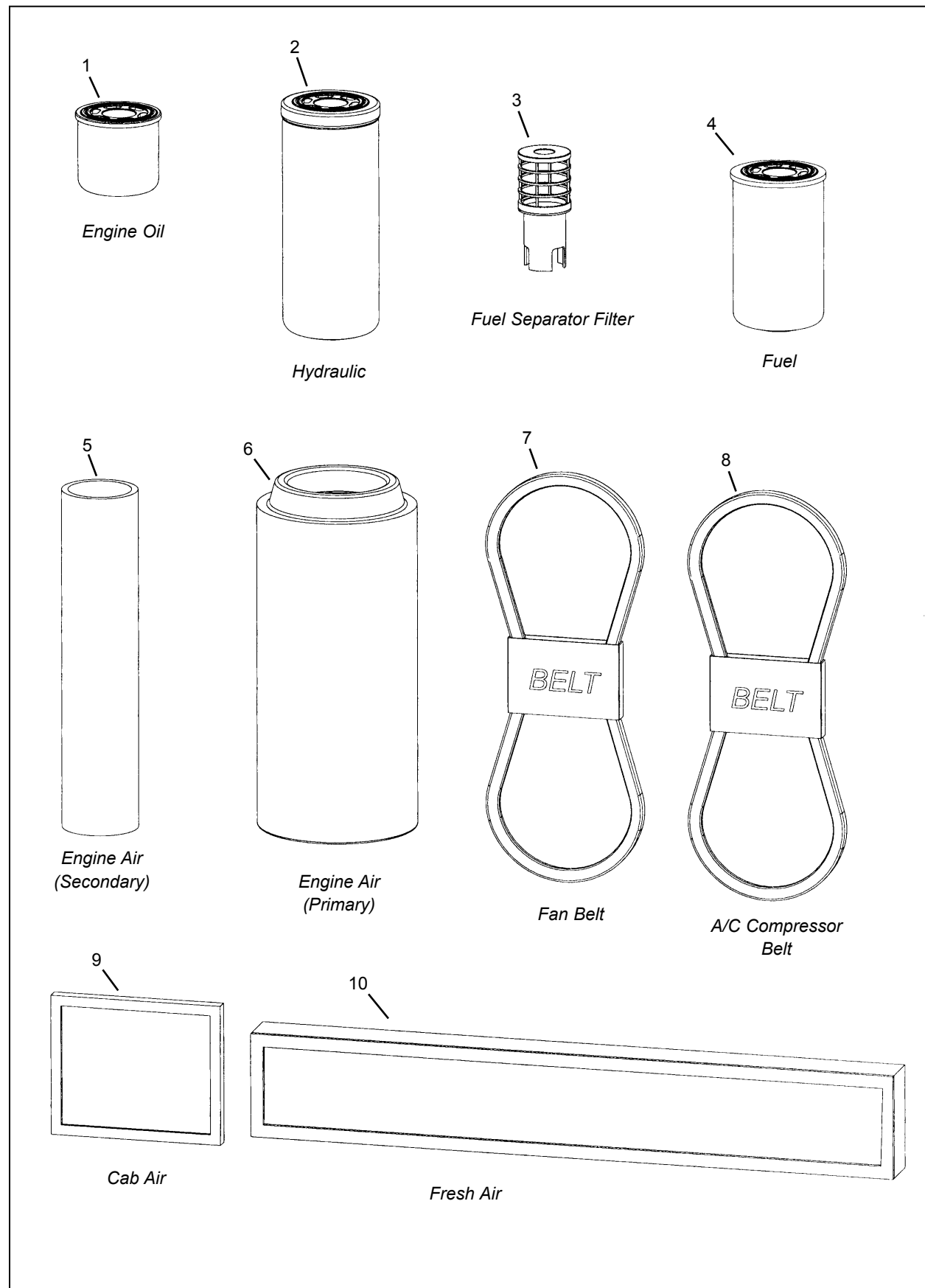
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# RT175 - MAINTENANCE

## FILTERS / BELTS / ANALYSIS KITS

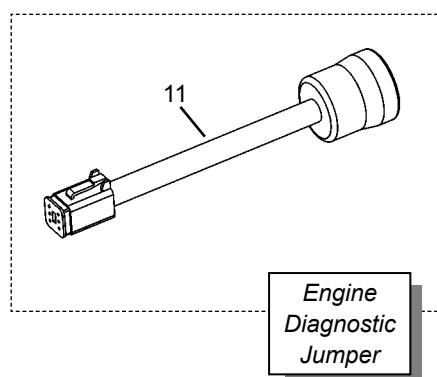


# RT175 - MAINTENANCE FILTERS / BELTS / ANALYSIS KITS

| Item No. | Part No. | Description                                           | Qty. |
|----------|----------|-------------------------------------------------------|------|
| 01       | 195568   | FILTER, ENGINE OIL                                    | 1    |
| 02       | 074830   | FILTER, HYDRAULIC                                     | 1    |
| 03       | 203822   | STRAINER/ELEMENT<br>(used in fuel separator assembly) | 1    |
| 04       | 193024   | FILTER, FUEL                                          | 1    |
| 05       | 184195   | FILTER, ENGINE AIR (secondary)                        | 1    |
| 06       | 184146   | FILTER, ENGINE AIR (primary)                          | 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<br>(included with Kit 241766) | 1    |

\* Used when equipped with air conditioning or heater.

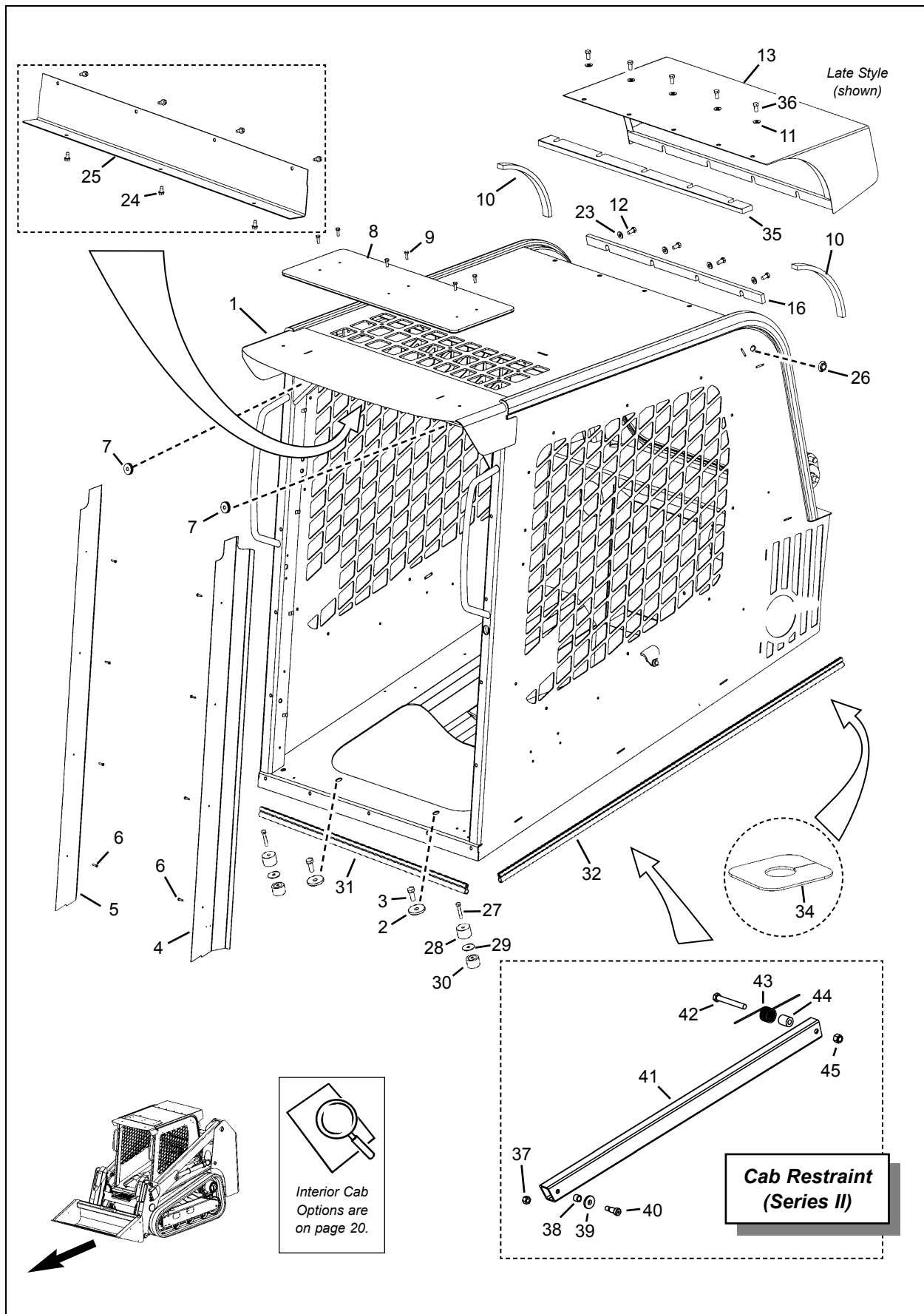


## Analysis Kits\*

|             | 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.

# RT175 - CAB STANDARD





# RT175 - CAB STANDARD

| 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    |

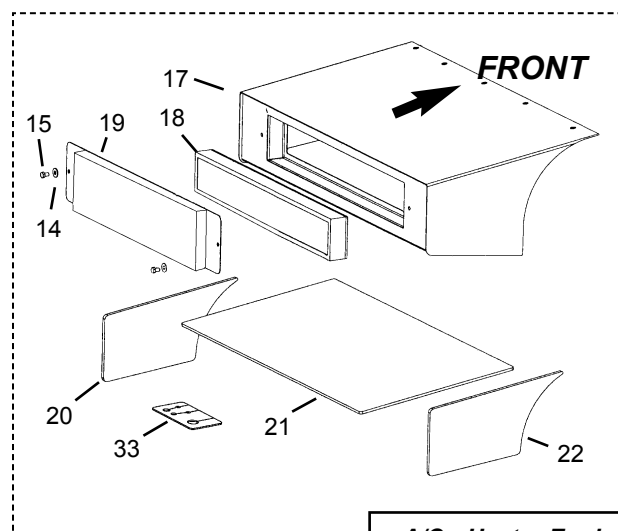
## CAB RESTRAINT (Series II)

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



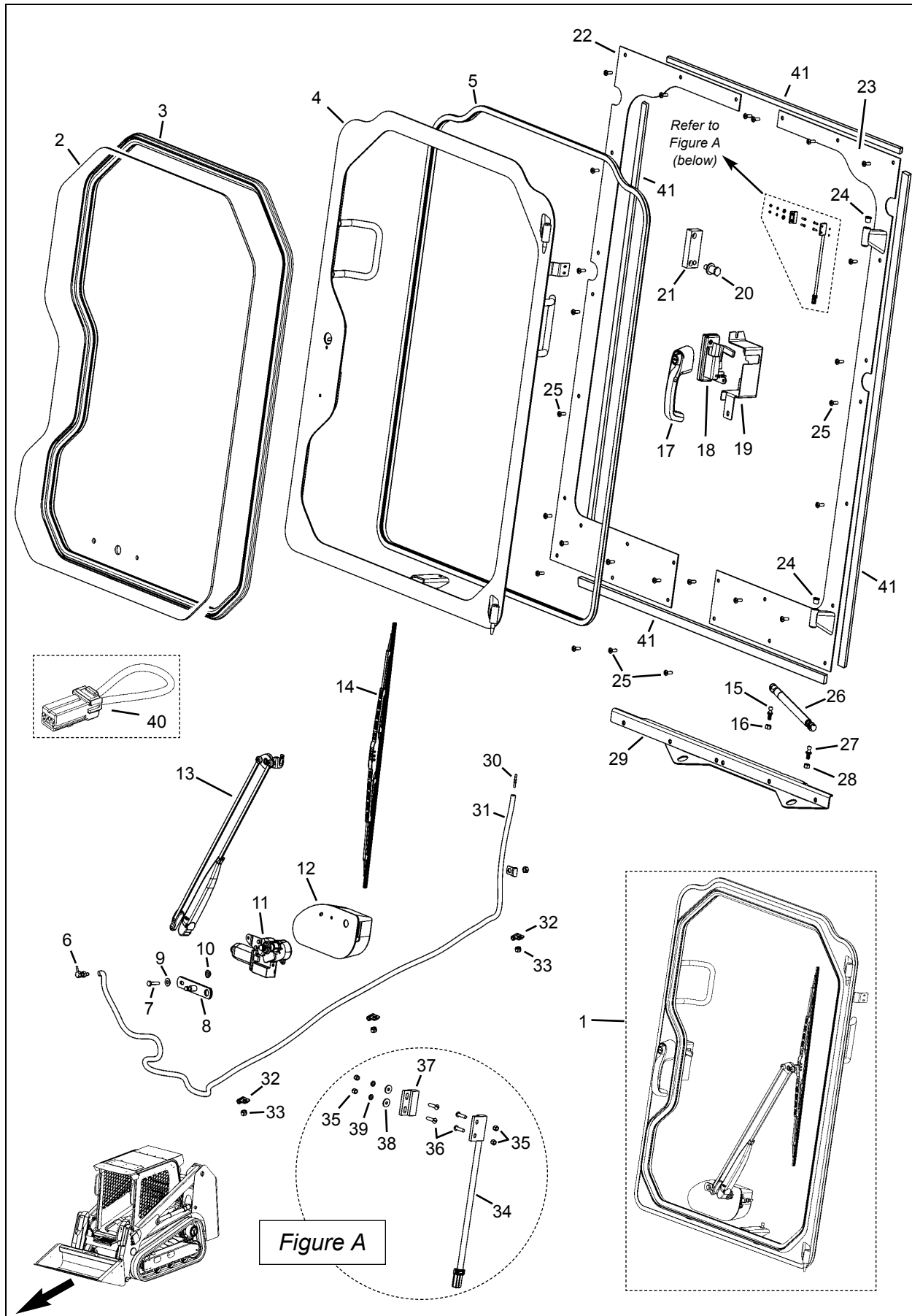
**A/C - Heater Equipped  
(Option) — (Rear of Cab)**

a SN 10532 - 811000; the top of the rear bill weldment—item 13—uses five bolts to secure the weldment to the cab.

b SN 10531 and before; the top of the rear bill weldment—item 13—uses four bolts to secure the weldment to the cab.

c Used with Series II ROPS—SN 10721 - 811000; Series I ROPS—SN 10720 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.

**RT175 - CAB**  
**CAB DOOR - SWING-OUT - (OPTION)**  
 (Series III) \*



**RT175 - 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    |

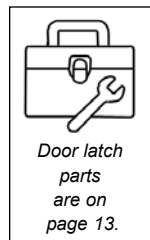
| Item No. | Part No. | Description                                                | Qty. |
|----------|----------|------------------------------------------------------------|------|
| 24       | 50303906 | BEARING, BRONZE FLANGED *                                  | 2    |
| 25       | 651308   | PHMS 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).

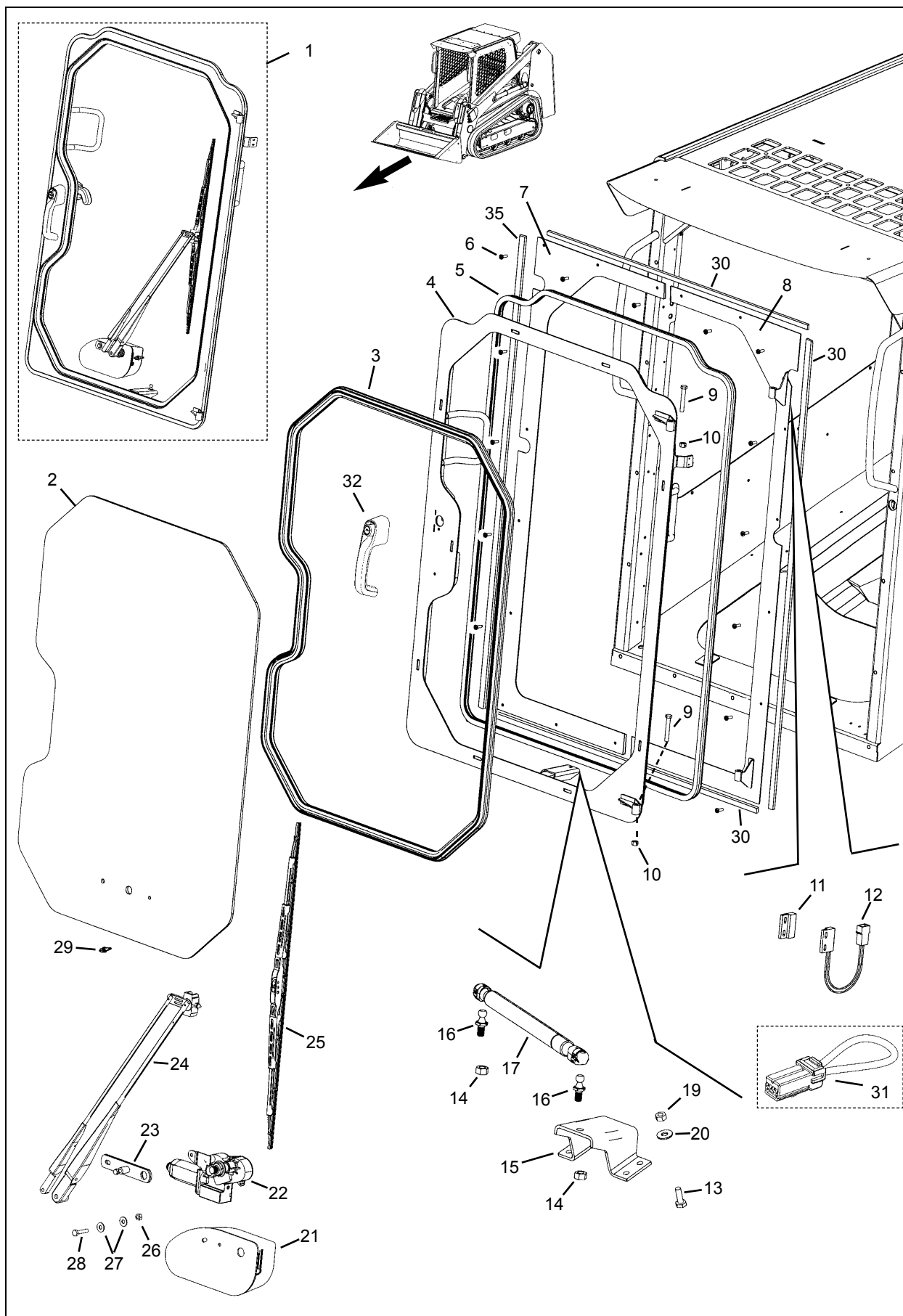
\*\*\* Used only with standard glass; not used with high-impact window option.

\*\*\*\* 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.

**RT175 - CAB**  
**CAB DOOR - SWING-OUT - (OPTION)**  
 (Series I and II) \*



**RT175 - CAB**  
**CAB DOOR - SWING-OUT - (OPTION)**  
**(Series I and II) \***

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

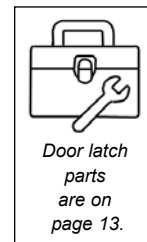
| Item No. | Part No. | Description                                                                                        | Qty. |
|----------|----------|----------------------------------------------------------------------------------------------------|------|
| 13       | 650448   | CS 1/4" x 3/4" 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"<br><i>(Used to seal the door frame—items #7 and 8—to the cab.)</i> | 1    |
| 31       | 50301002 | HARNESS, DOOR SWITCH JUMP<br><i>(Used when door is removed.)</i>                                   | 1    |
| 32       | 273340   | HANDLE, PUSH BUTTON ****                                                                           | 1    |
|          | 50280186 | KEY, 8001 (14603) <i>(not shown)</i>                                                               | 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.



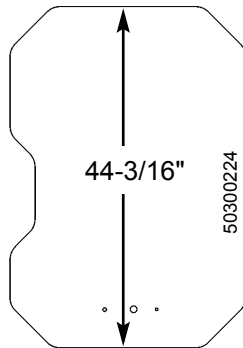
**IMPORTANT:** Before ordering the complete swing-out door assembly (item #1), the window (item #2), the door frame (item #13), or other items that reference Series I and Series II be sure to refer to the illustrations on page 12 to verify which Series and type of door is installed on the machine.

**RT175 - CAB**  
**SWING-OUT DOOR REFERENCE**  
(Series I, II, and III)

**REFERENCE**

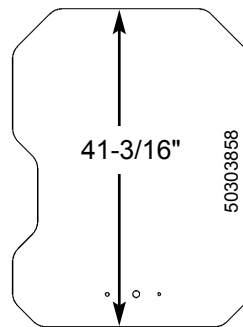


**IMPORTANT:** When ordering a replacement window (glass) refer to the measurements below to determine which Series and type (standard or high-impact) door is currently installed on the machine.

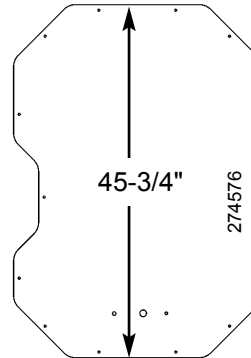


**Series I and II**

*Standard Swing-Out Door Window*

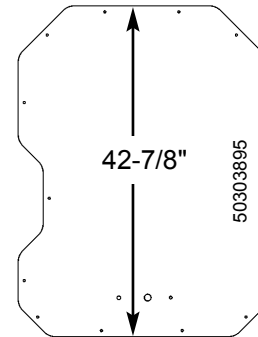


**Series III**



**Series I and II**

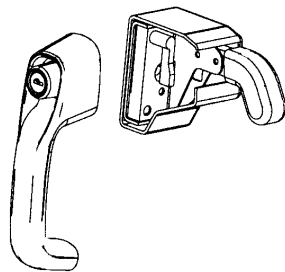
*High-Impact Swing-Out Door Window*



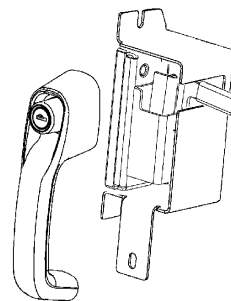
**Series III**



**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.



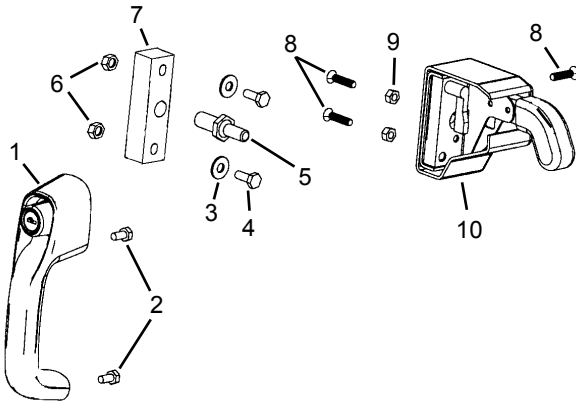
*Used on  
Series I  
Door*



*Used on  
Series II and III  
Door*

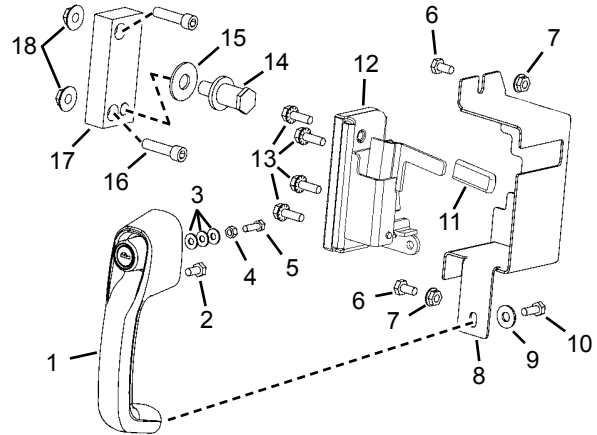
**RT175 - CAB**  
**SWING-OUT DOOR LATCHES**  
 (Series I, II, and III)

**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<br><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    |

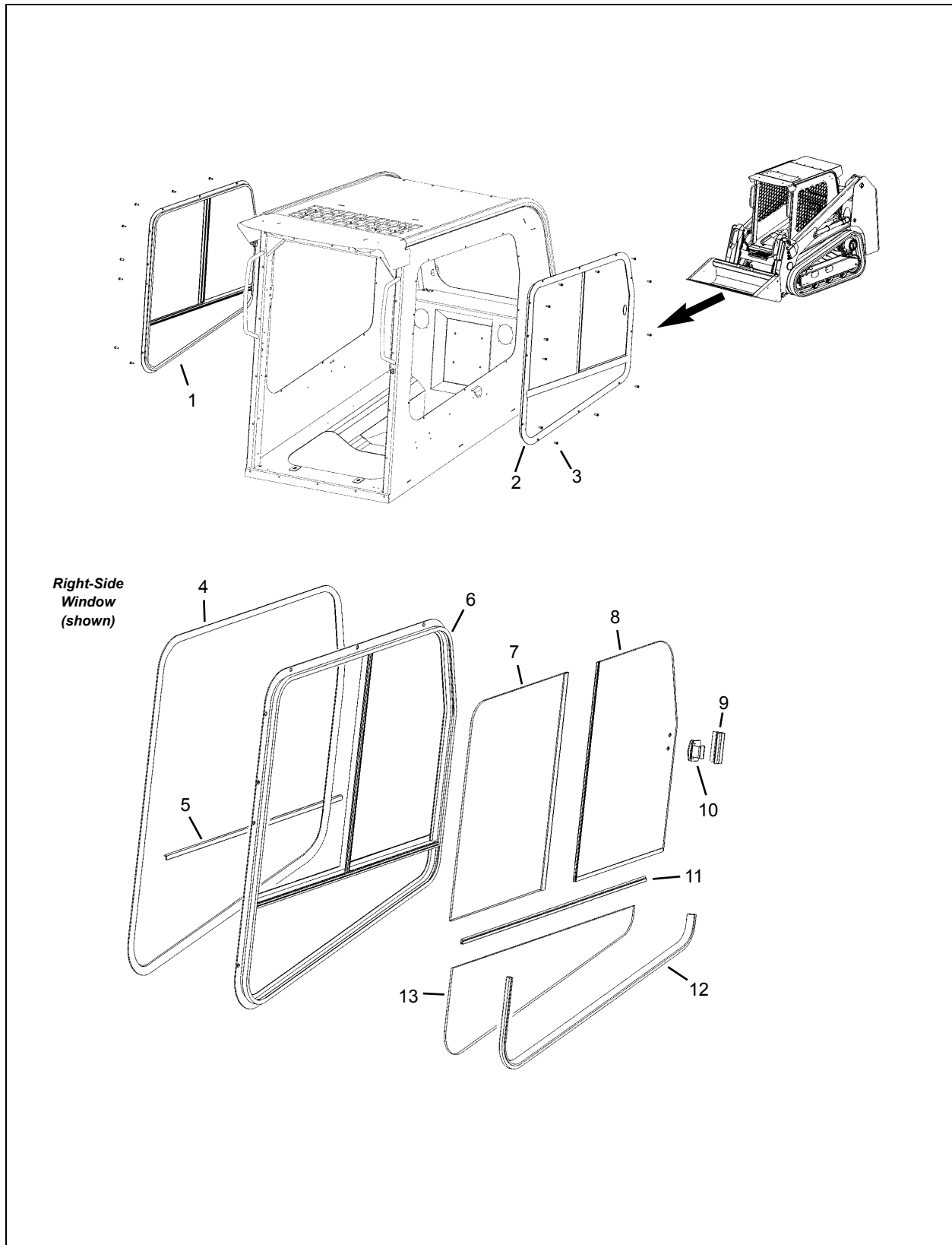
**SERIES II and III DOOR LATCH**



| 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    |

# RT175 - CAB

## SIDE WINDOWS (OPTION)





# RT175 - 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    |

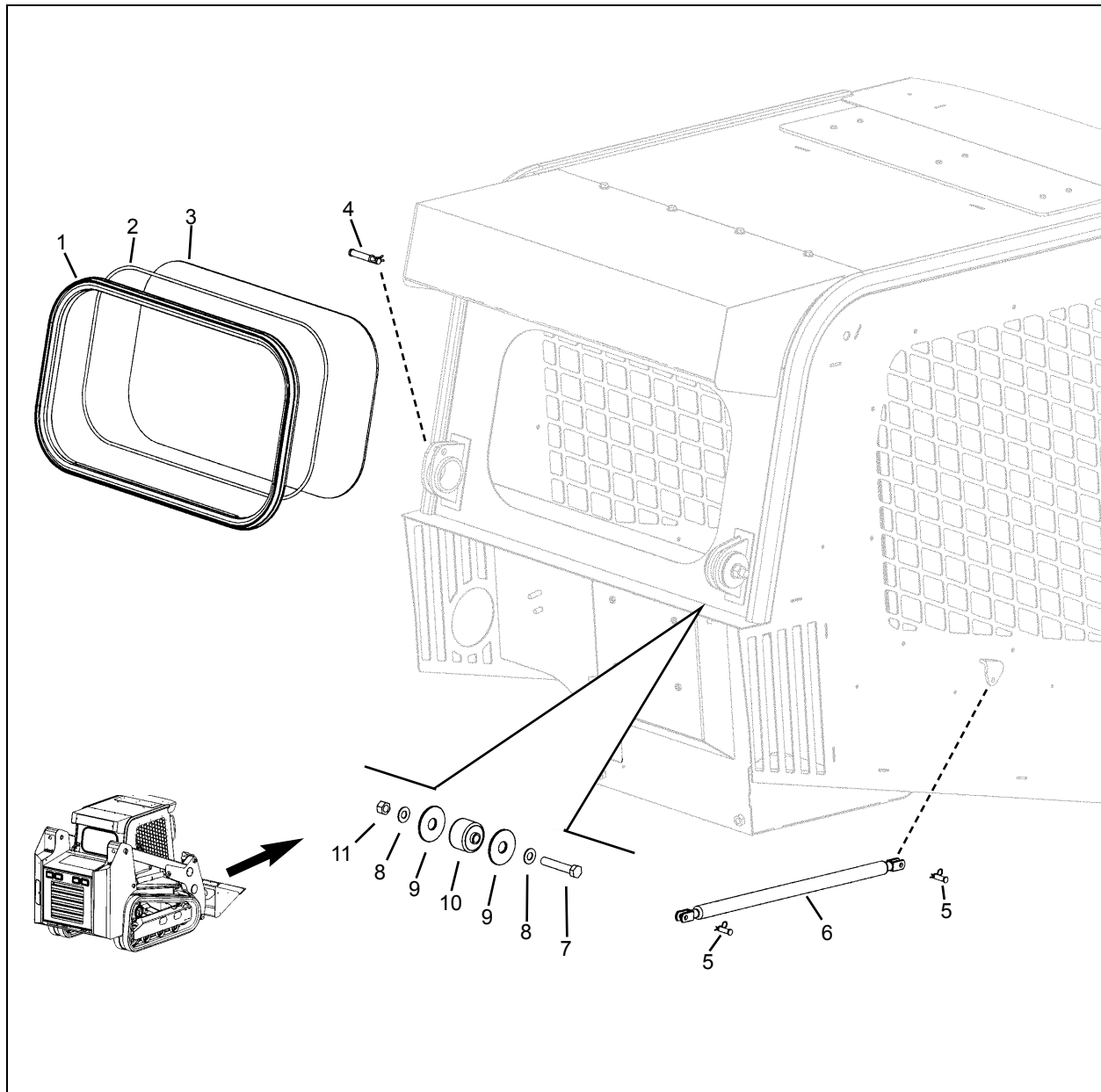
| Item No. | Part No. | Description                              | Qty. |
|----------|----------|------------------------------------------|------|
| 09       | 242779   | STRIKER ( <i>one per side</i> )          | 2    |
| 10       | 242780   | LATCH ASSEMBLY ( <i>one per side</i> )   | 2    |
| 11       | 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.

# RT175 - CAB

## CAB TILT AND REAR WINDOW



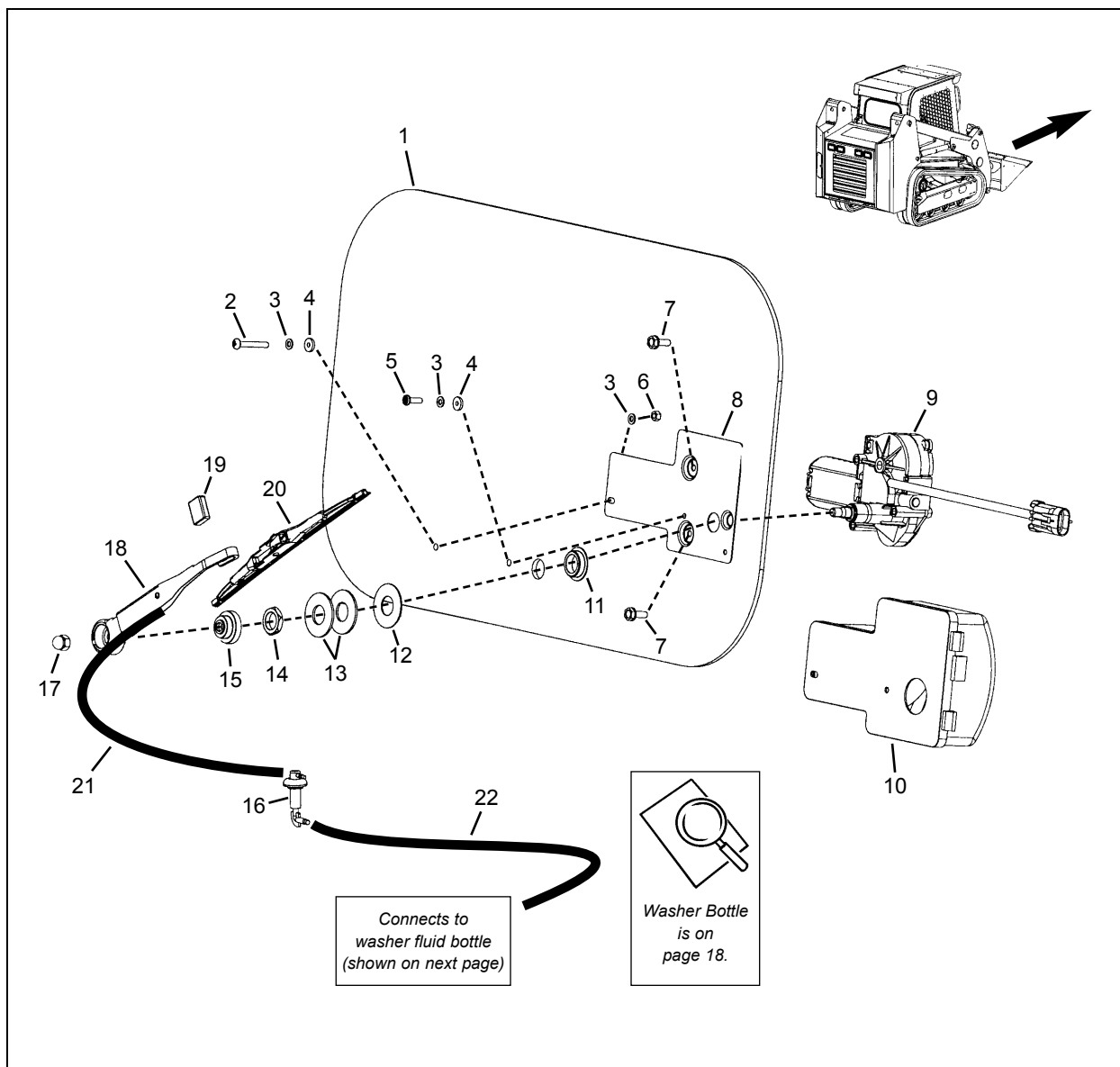
| Item No.        | Part No. | Description                       | Qty. |
|-----------------|----------|-----------------------------------|------|
| 01              | 240645   | WEATHERSTRIP, WINDOW              | 1    |
| 02              | 241544   | RIPCORDER, WEATHERSTRIP           | 1    |
| 03              | 243270   | WINDOW, REAR (standard)           | 1    |
| 04 <sup>a</sup> | 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 10720 and before. Refer to page 6, items 37-45 for Series II cab restraint—located under the front-left side of the cab.

# RT175 - CAB REAR WINDOW - WIPER ASSEMBLY (OPTION)



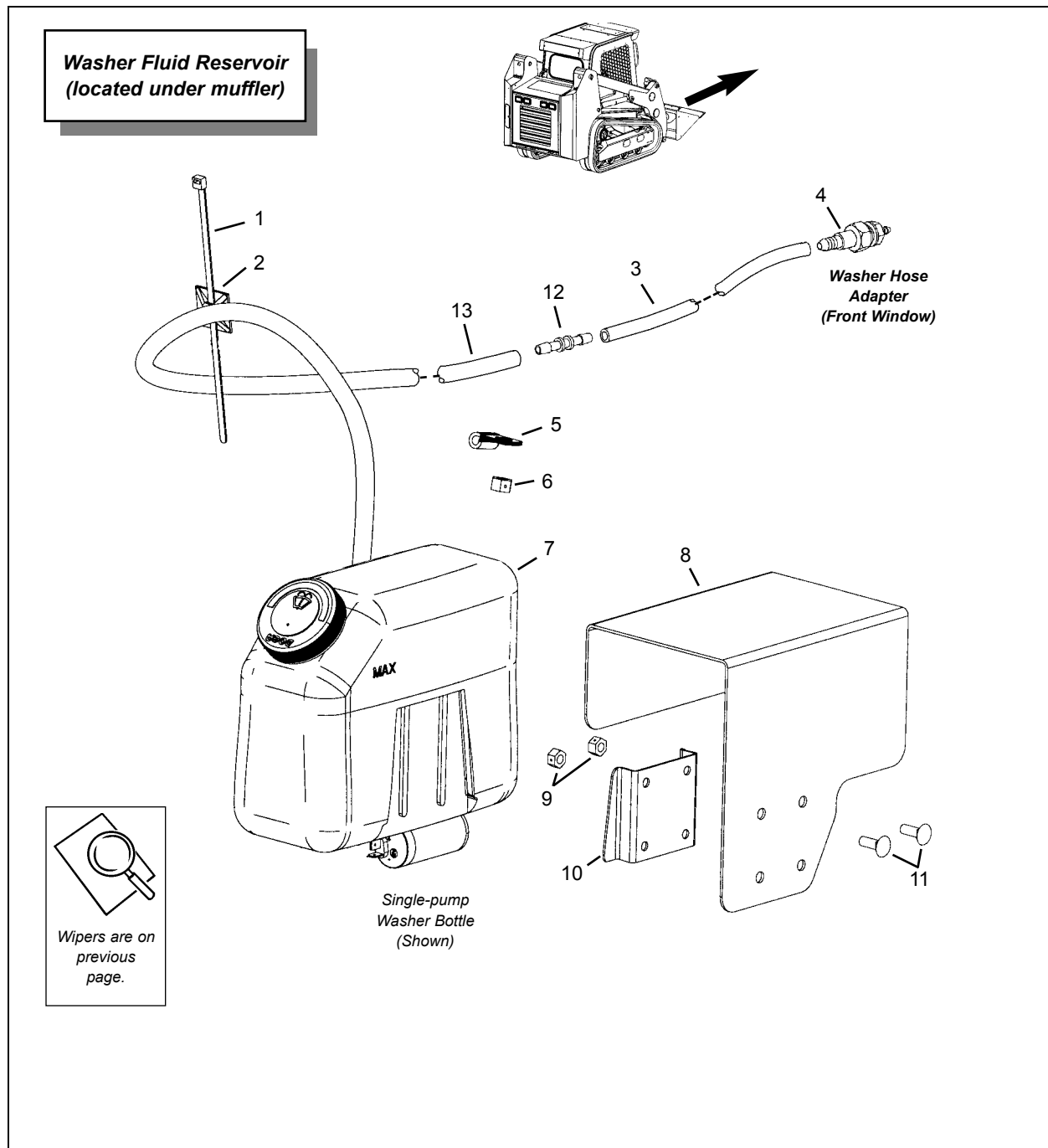
| Item No. | Part No. | Description                     | Qty. |
|----------|----------|---------------------------------|------|
| 01       | 240055   | WINDOW, REAR (w/wiper option) * | 1    |
| 02       | 651810   | PHMS CR M5-0.8 x 35 CZB DIN7985 | 1    |
| 03       | 651809   | FW M5 ZB DIN125                 | 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.

# RT175 - CAB

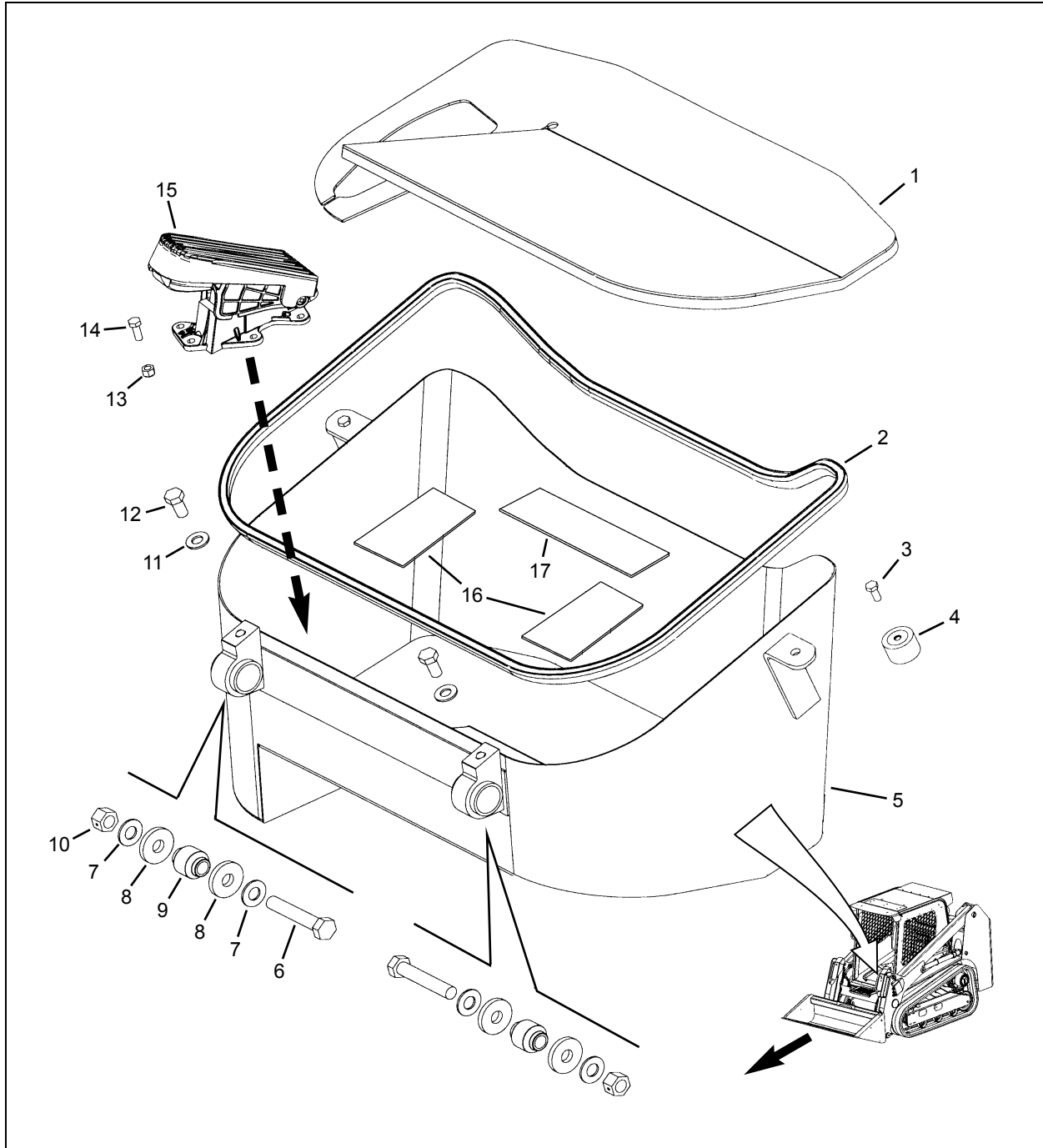
## WINDOW WASHER (OPTION)



| 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    |

**RT175 - CAB**  
**FLOOR PAN / FOOT THROTTLE**

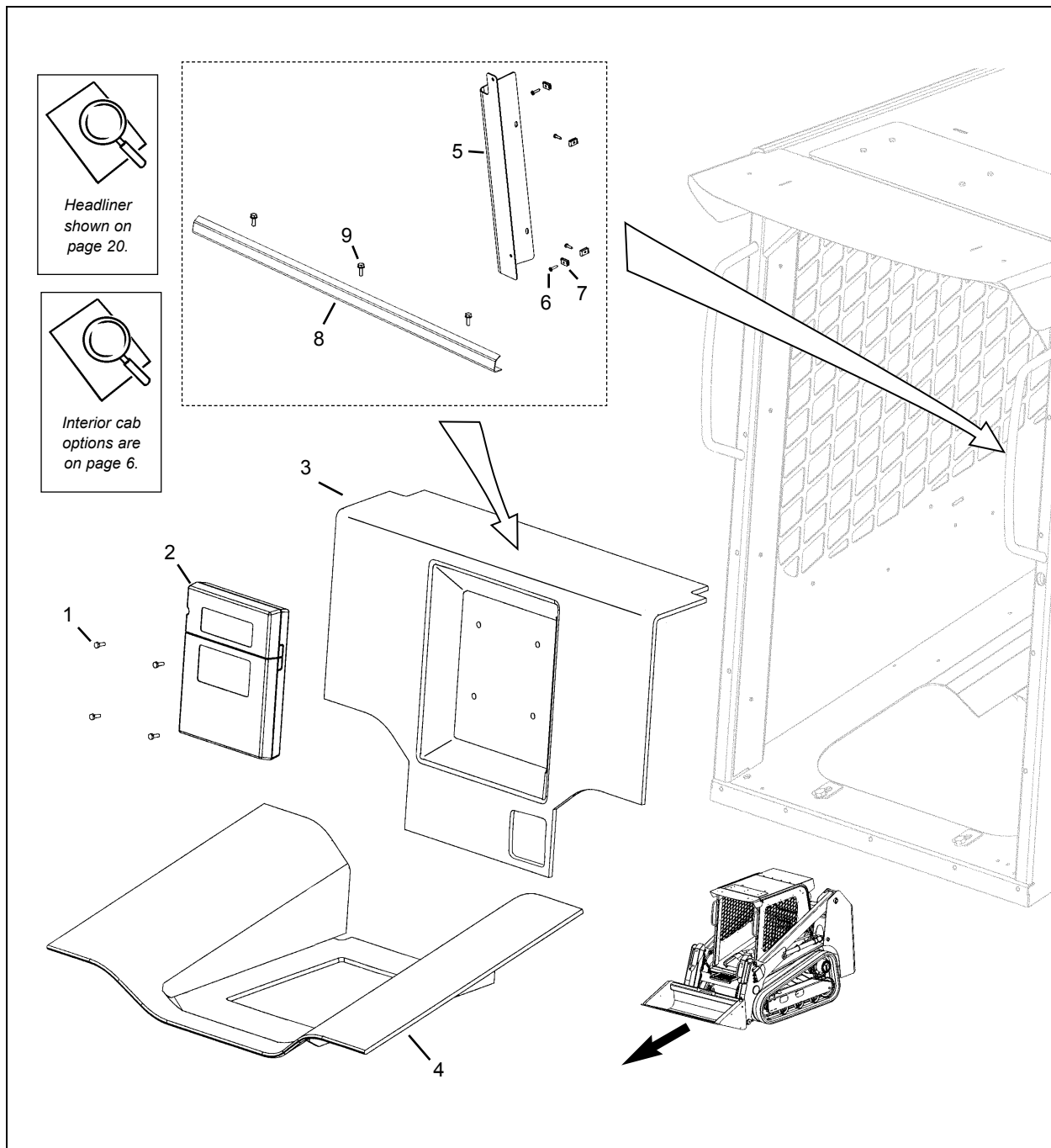


| Item | No. Part No. | Description           | Qty. |
|------|--------------|-----------------------|------|
| 01   | 275386       | FLOOR MAT *           | 1    |
| 02   | 275328       | BULBSEAL              | 1    |
| 03   | 650486       | CS 5/16 x 3/4 C5ZY    | 2    |
| 04   | 275016       | ISOLATOR, 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.*

# RT175 - CAB INTERIOR COVERS



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

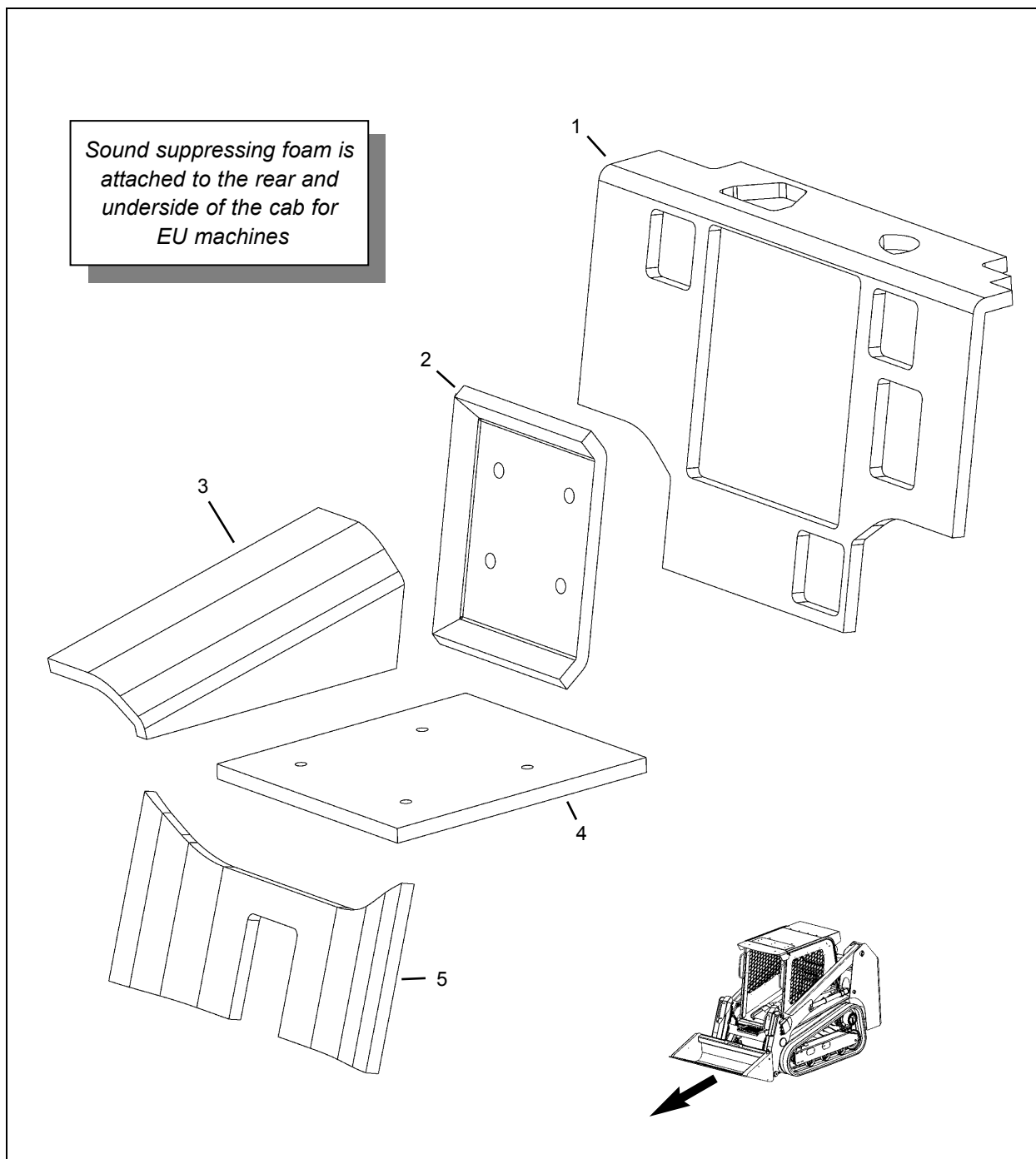
| Item No. | Part No. | Description                  | Qty. |
|----------|----------|------------------------------|------|
| 06       | 651783   | SCREW/TPH TF CR #832x3/4 CZY | 4    |
| 07       | 272579   | NUT, TINNEMAN #8-15          | 4    |
| 08       | 50303823 | PLATE, REAR STORAGE         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



**NOTE:** Refer to page 6 for parts related to interior trim and covers when the machine is equipped with an optional front door. Refer to the next page for additional interior covers and trim.

# RT175 - CAB

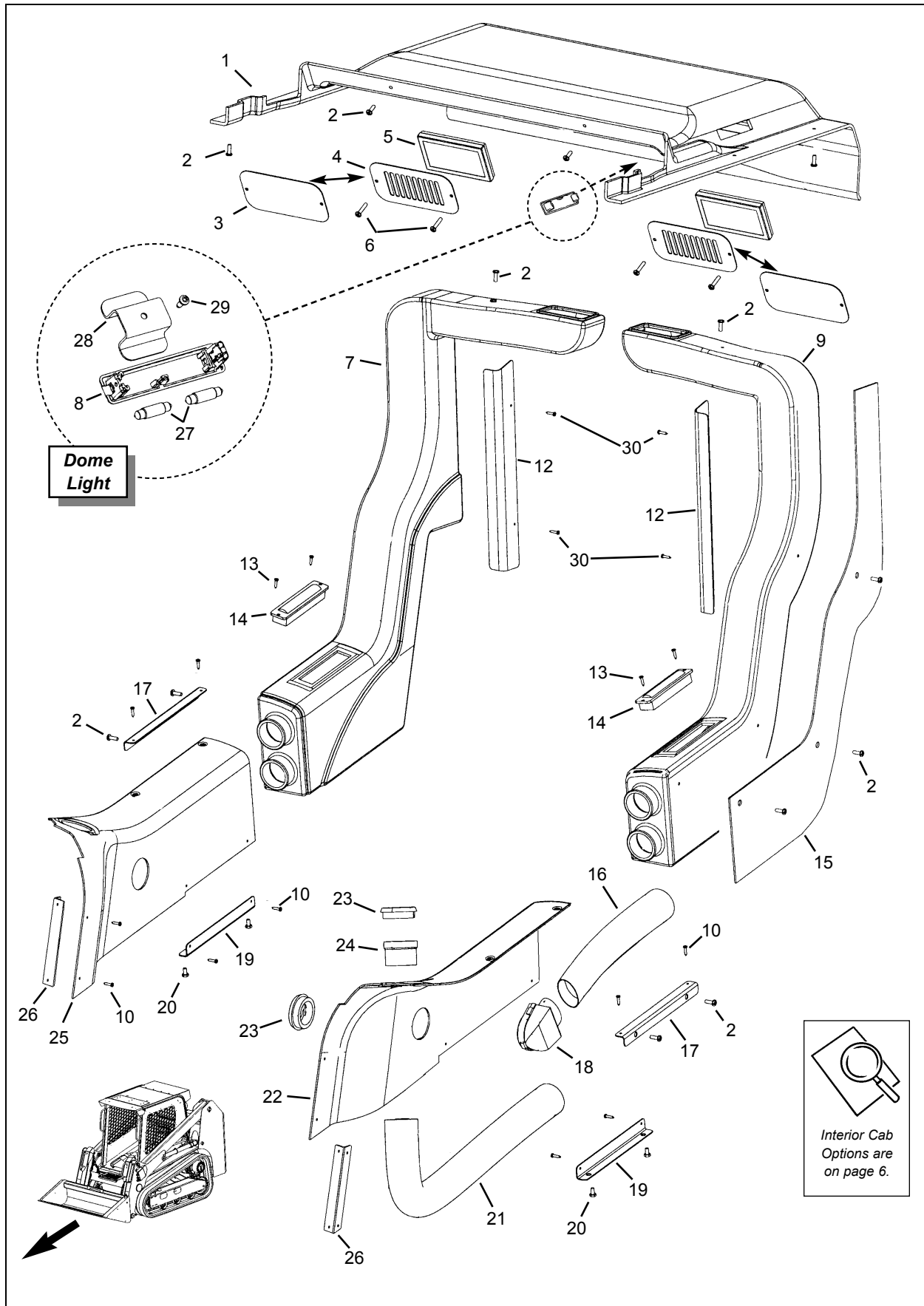
## SOUND SUPPRESSING FOAM —(EU Machines)



| 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    |

# RT175 - CAB

## HEADLINER - HEAT-A/C DUCTS — (OPTION)





# RT175 - 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   | DOMELIGHT***                        | 1    |
| 09       | 272099   | DUCT, REAR (left)                   | 1    |
| 10       | 651783   | SCREW/TPH TF CR#8-32x3/4 CZY        | AR   |
|          | 272579   | #8 TINNERMAN                        | 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)<br>(Swing-Out Door - Option)  | 1    |
| 23       | 271394   | LOUVER 2.50 IN.                                  | 4    |
| 24       | 271395   | LOUVER, HOSE ADAPTER                             | 2    |
| 25       | 274842   | COVER, HVAC (right)<br>(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.

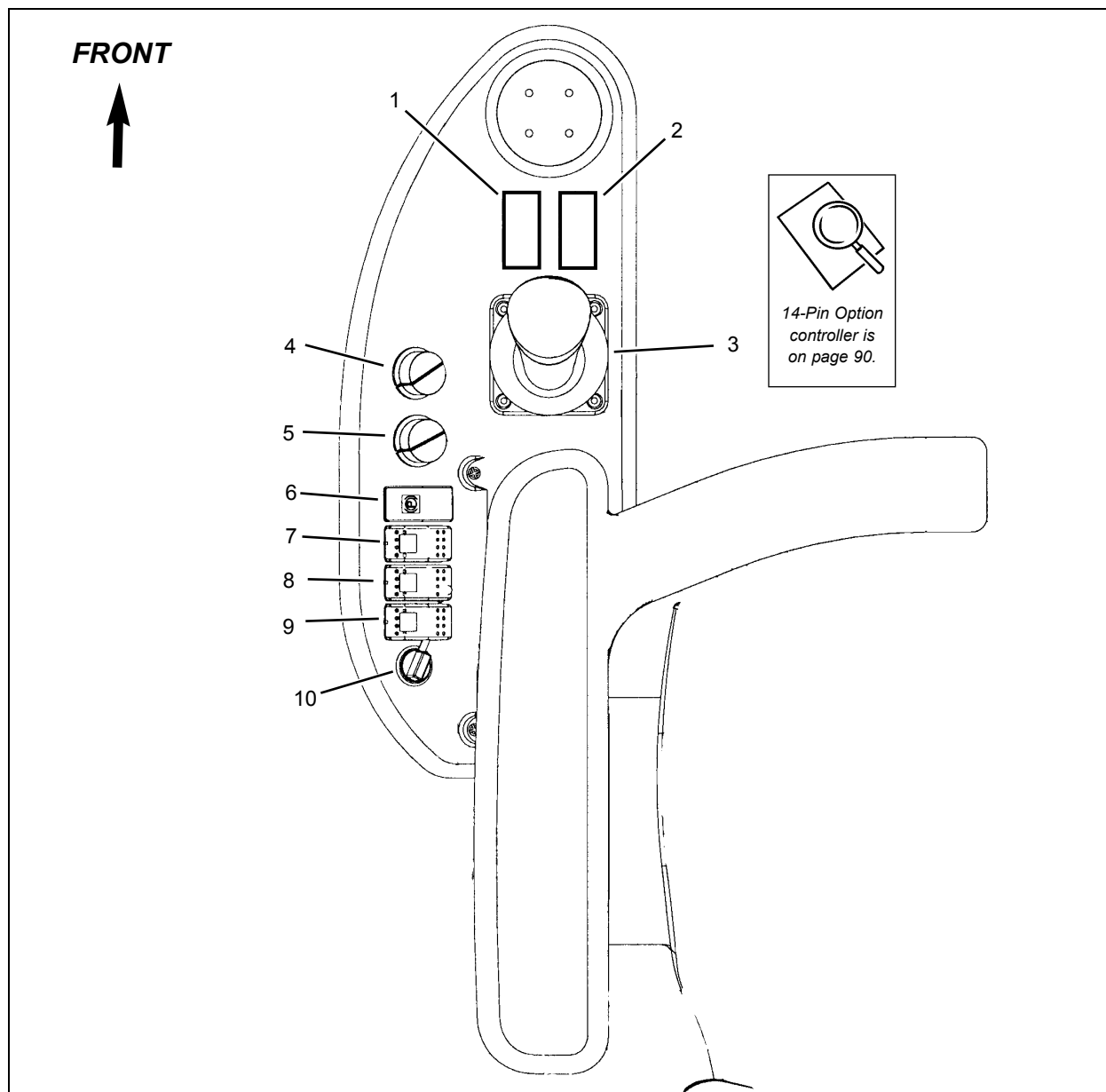
\*\*\* Does not include bulbs; order item #27.



**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.

# RT175 - CAB

## CONSOLE CONTROLS - LEFT SIDE



| Item No. | Part No. | Description                      | Qty. |
|----------|----------|----------------------------------|------|
| 01       | 242636   | PANEL PLUG                       | 1    |
| 02       | 242636   | PANEL PLUG                       | 1    |
| 03       |          | CONTROLLER (left)                | 1    |
|          | 651424   | SCREW M6-1x20 C8.8 (not shown)   | 4    |
|          | 275519   | Standard Controller              | 1    |
|          | 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    |

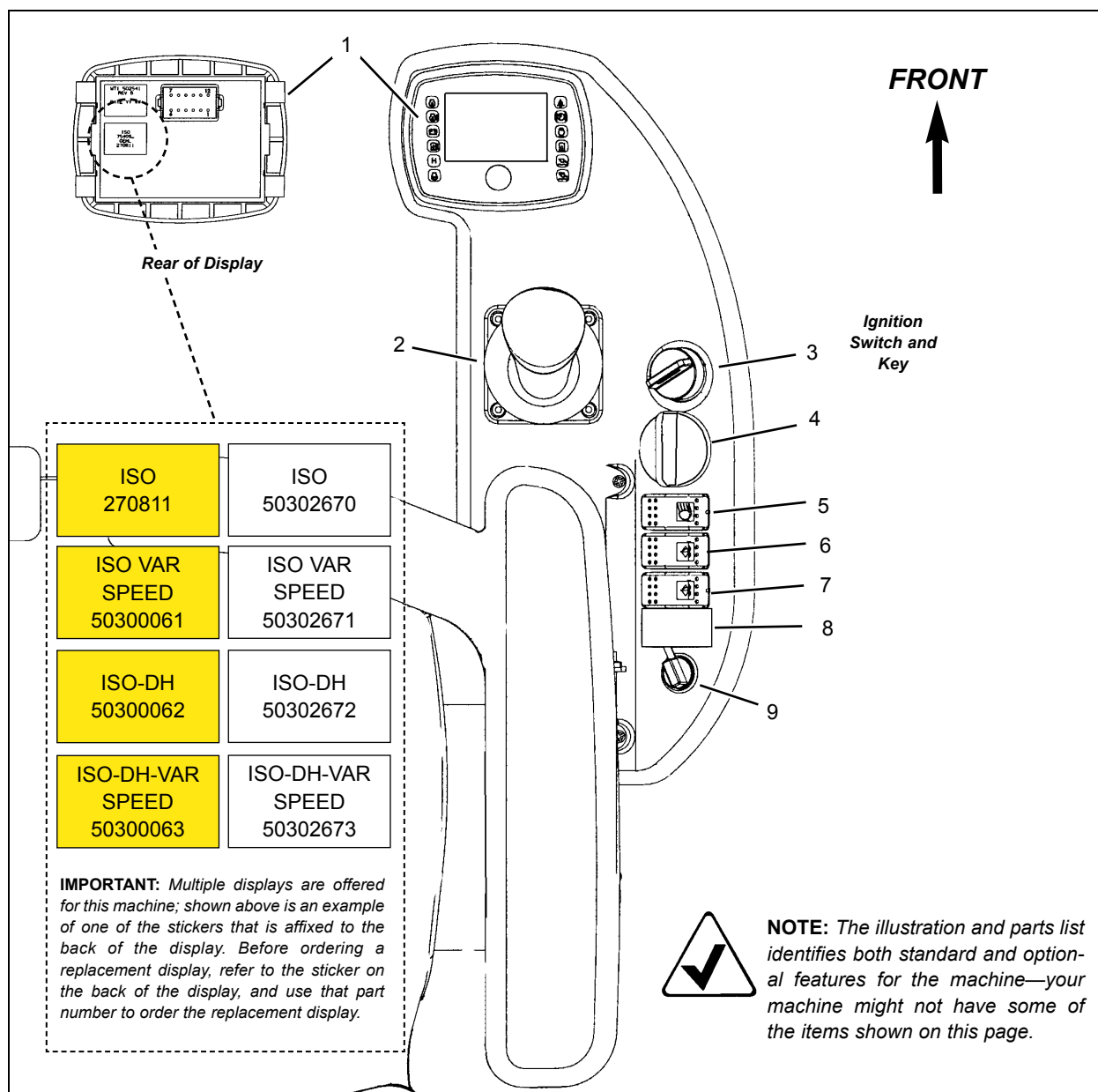
| Item No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 08       | 271743   | SWITCH, HIGH FLOW (option)    | 1    |
| 09       | 50300585 | SWITCH, PWR ALL-TACH (option) | 1    |
| 10       | 137602   | 12 VOLT AUXILIARY POWER       | 1    |
|          | 137603   | COVER, RUBBER                 | 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.



**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.

# RT175 - 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:

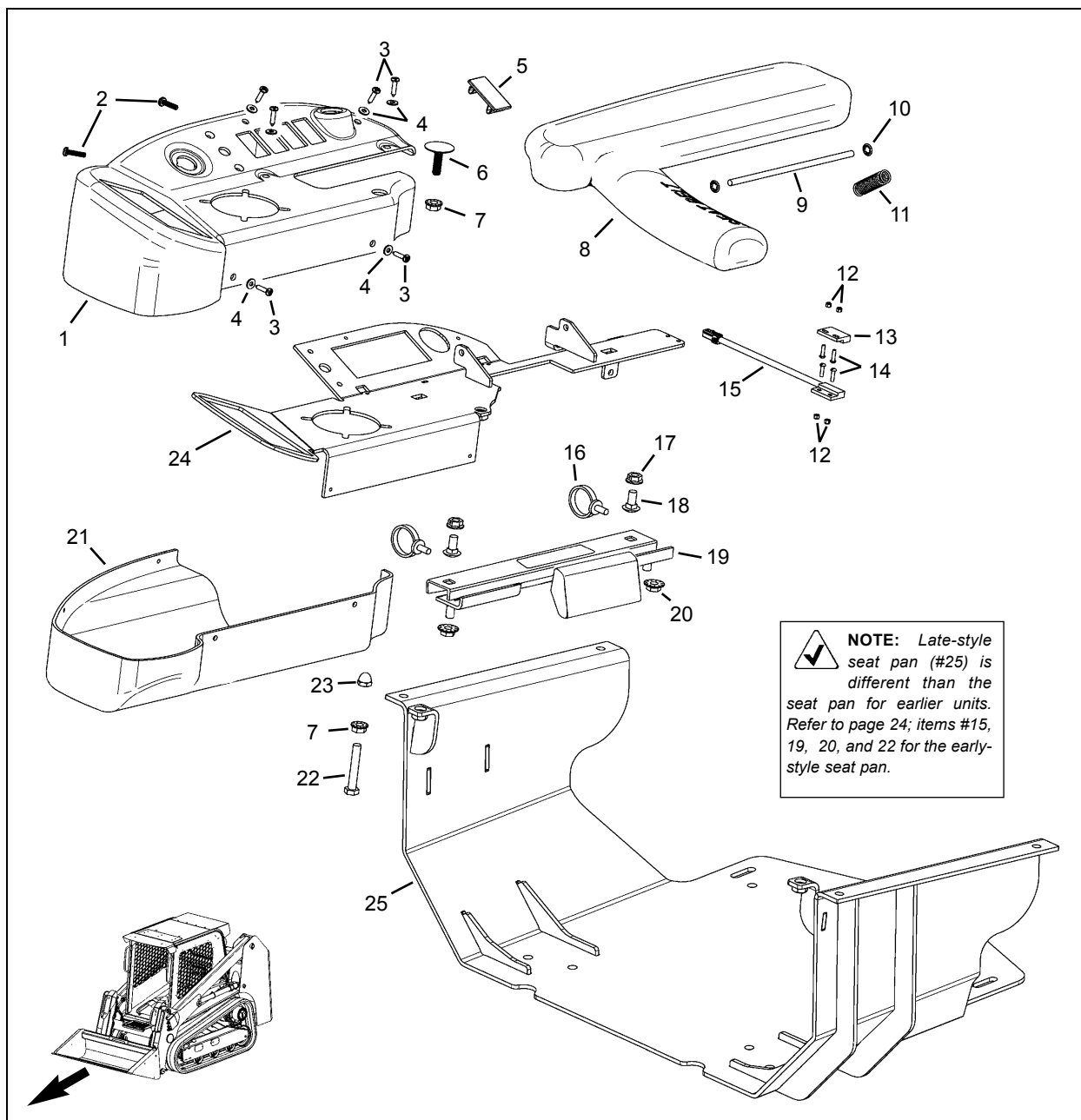
For 270811 order 50302670

For 50300061 order 50302671

For 50300062 order 50302672

For 50300063 order 50302673

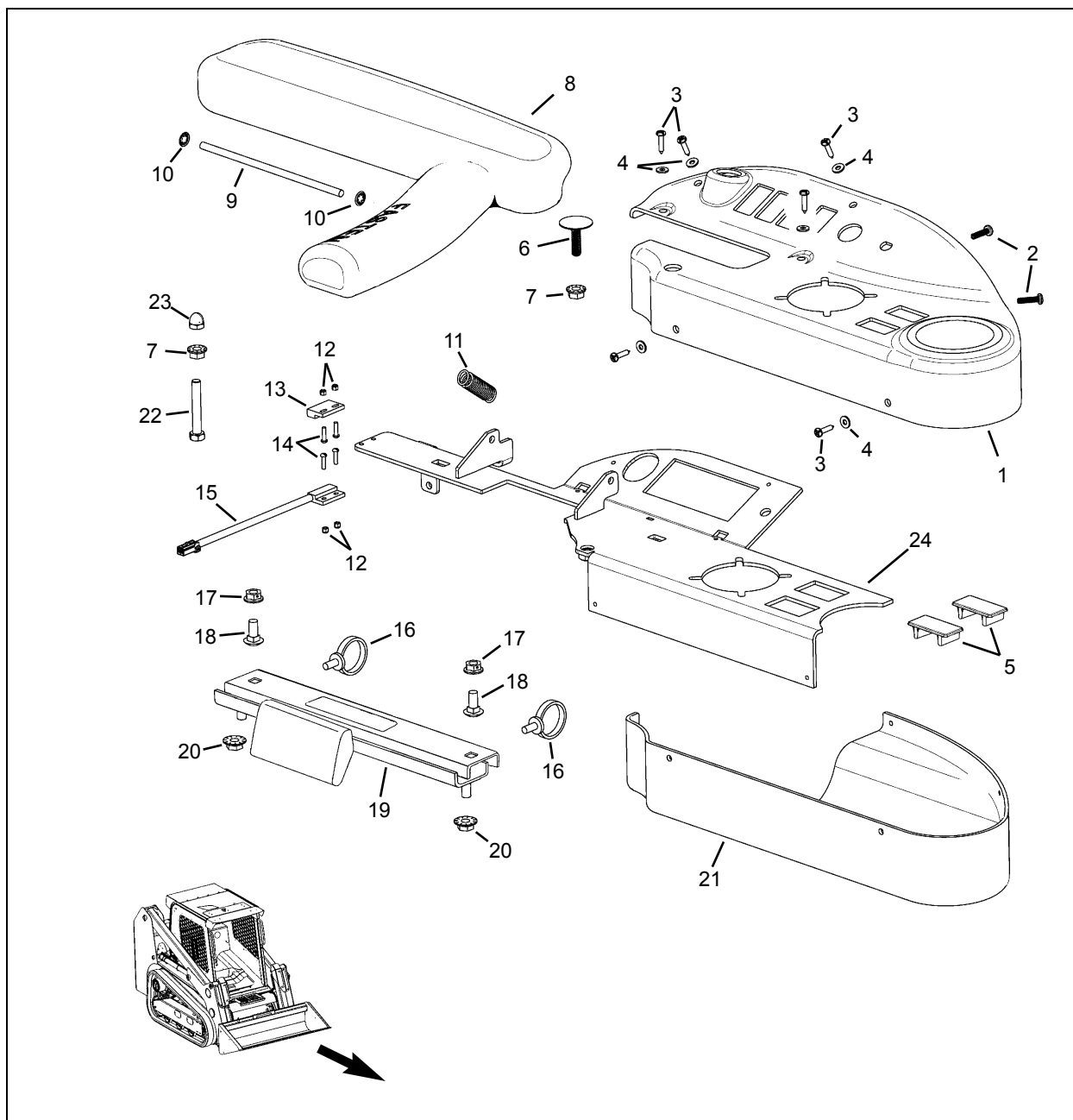
**RT175 - CAB**  
**CONSOLE - RIGHT SIDE**  
*(Late Style - See note below)*



| Item No. | Part No.  | Description                   | Qty. | Item No. | Part No.  | Description               | Qty. |
|----------|-----------|-------------------------------|------|----------|-----------|---------------------------|------|
| 01       | 50303480  | COVER, JOYSTICK (RH)          | 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       | 271859    | 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       | 273214    | ARM REST (right) *            | 1    | 21       | 50300093  | 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       | 50303460  | WELDMENT, JOYSTICK MOUNT  | 1    |
| 12       | 651328    | HLN INST #5-40 CZY            | 4    | 25       | 50303251  | WELDMENT, SEAT PAN        | 1    |
| 13       | 193157    | MAGNET, SWITCH ACTUATOR       | 1    |          |           |                           |      |

\* Refer to page 31; item #25 for increased operator room.

**RT175 - CAB**  
**CONSOLE - LEFT SIDE**  
*(Late Style - See Note on Facing Page)*

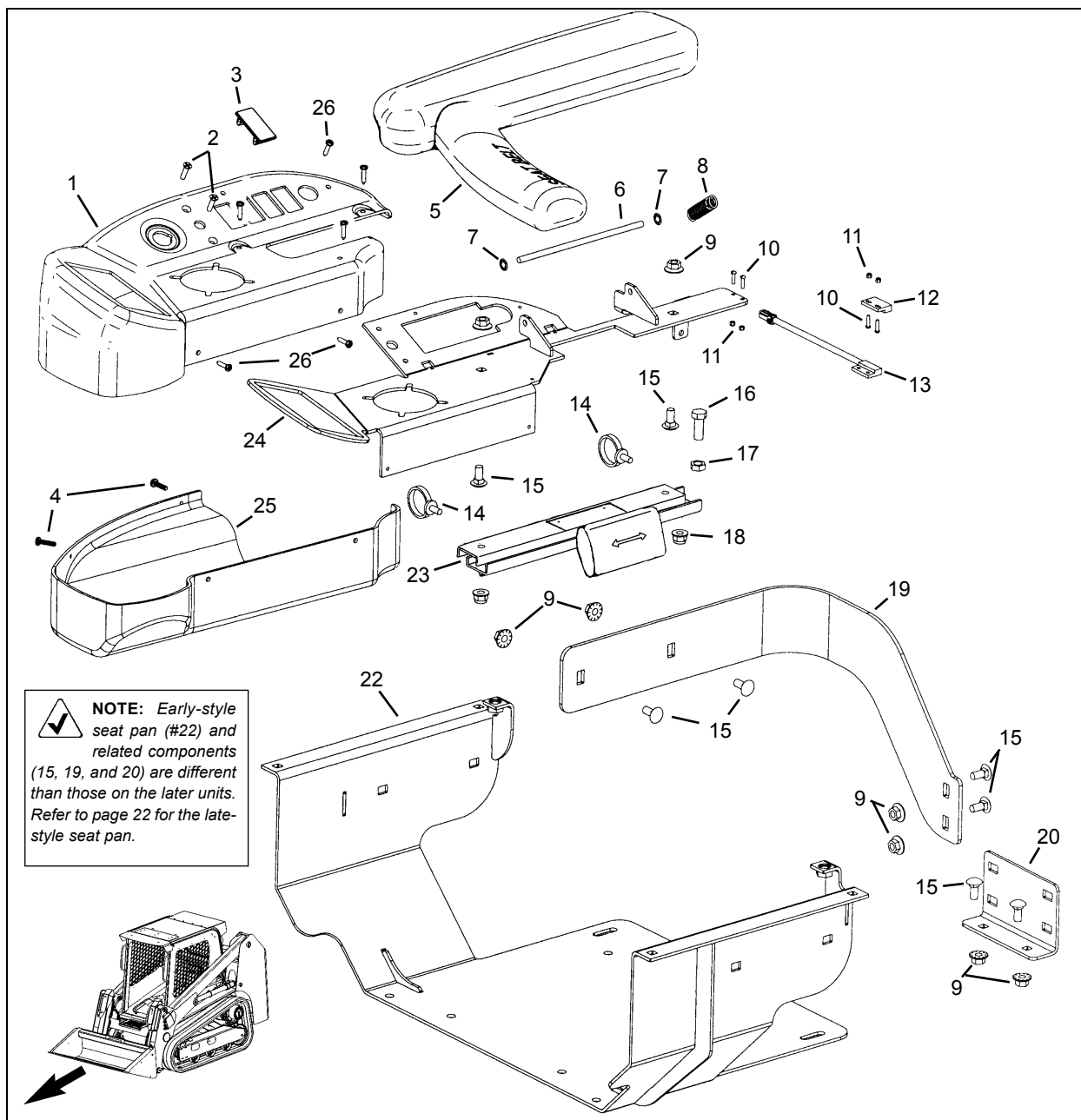


| Item No. | Part No.  | Description                   | Qty. |
|----------|-----------|-------------------------------|------|
| 01       | 50303477  | COVER, JOYSTICK (LH)          | 1    |
| 02       | 273071    | SCREW, TPH TF CR #1014 x 3/4" | 2    |
| 03       | 651783    | SCREW/TPH TF CR#8-32x3/4 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       | 273545    | ARM REST ( <i>left</i> ) *    | 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       | 271858    | SLIDE, ARM REST           | 1    |
| 20       | 070648    | LN LG FL SERR 5/16" CZ    | 2    |
| 21       | 275979    | COVER                     | 1    |
| 22       | L51035    | HTB 5/16" x 2" C5ZY       | 1    |
| 23       | 50303432  | SLIDER CAP                | 1    |
| 24       | 50303458  | WELDMENT, JOYSTICK MOUNT  | 1    |

\* Refer to page 31; item #25 for increased operator room.

**RT175 - CAB**  
**CONSOLE - RIGHT SIDE**  
*(Early Style - See note below)*

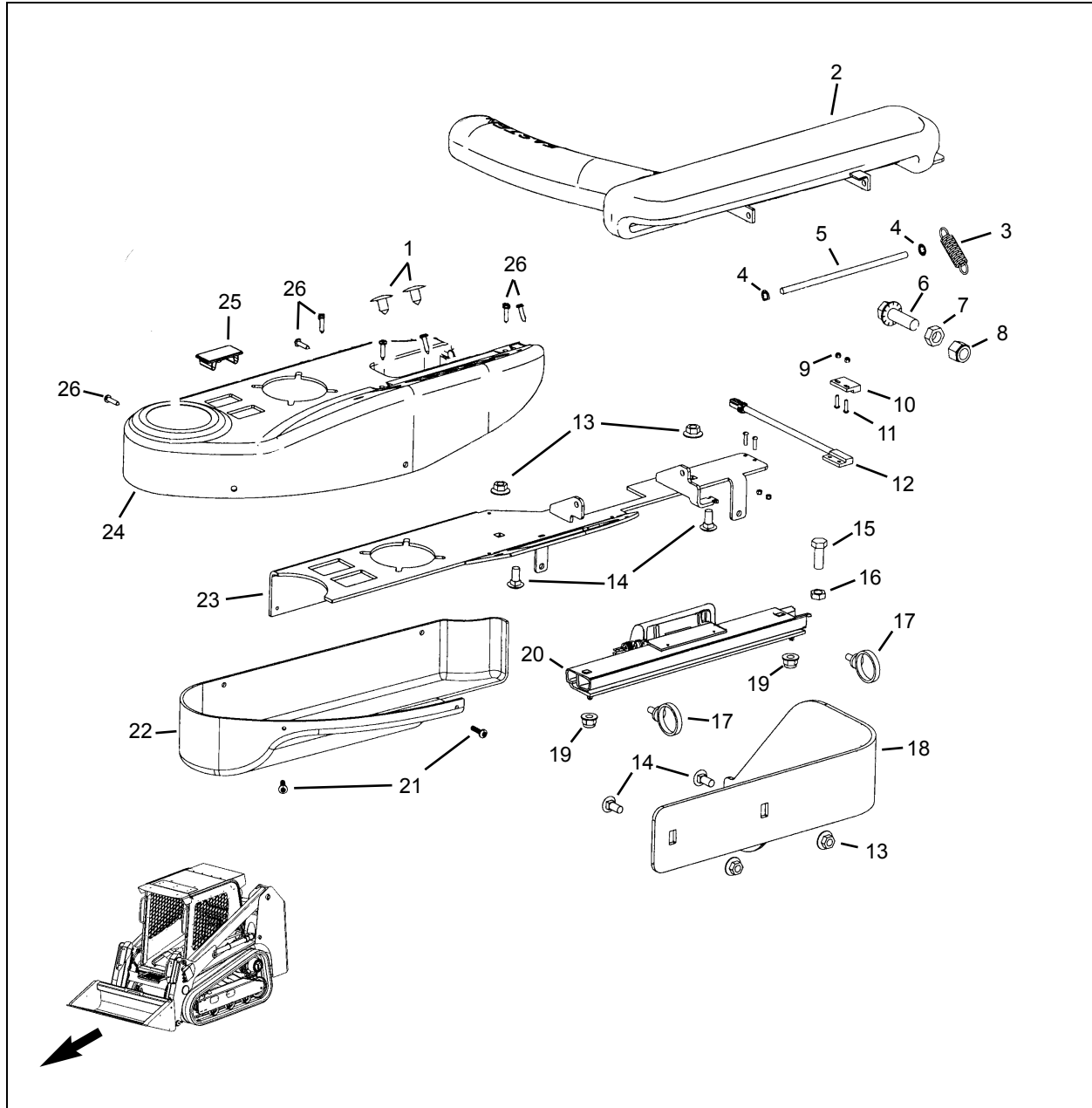


| Item No. | Part No. | Description                                                   | Qty. |
|----------|----------|---------------------------------------------------------------|------|
| 01       | 274335   | COVER, JOYSTICK                                               | 1    |
| 02       | 651820   | 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 31; item #25 for increased operator room.

**RT175 - CAB**  
**CONSOLE - LEFT SIDE**  
*(Early Style - See Note on Facing Page)*

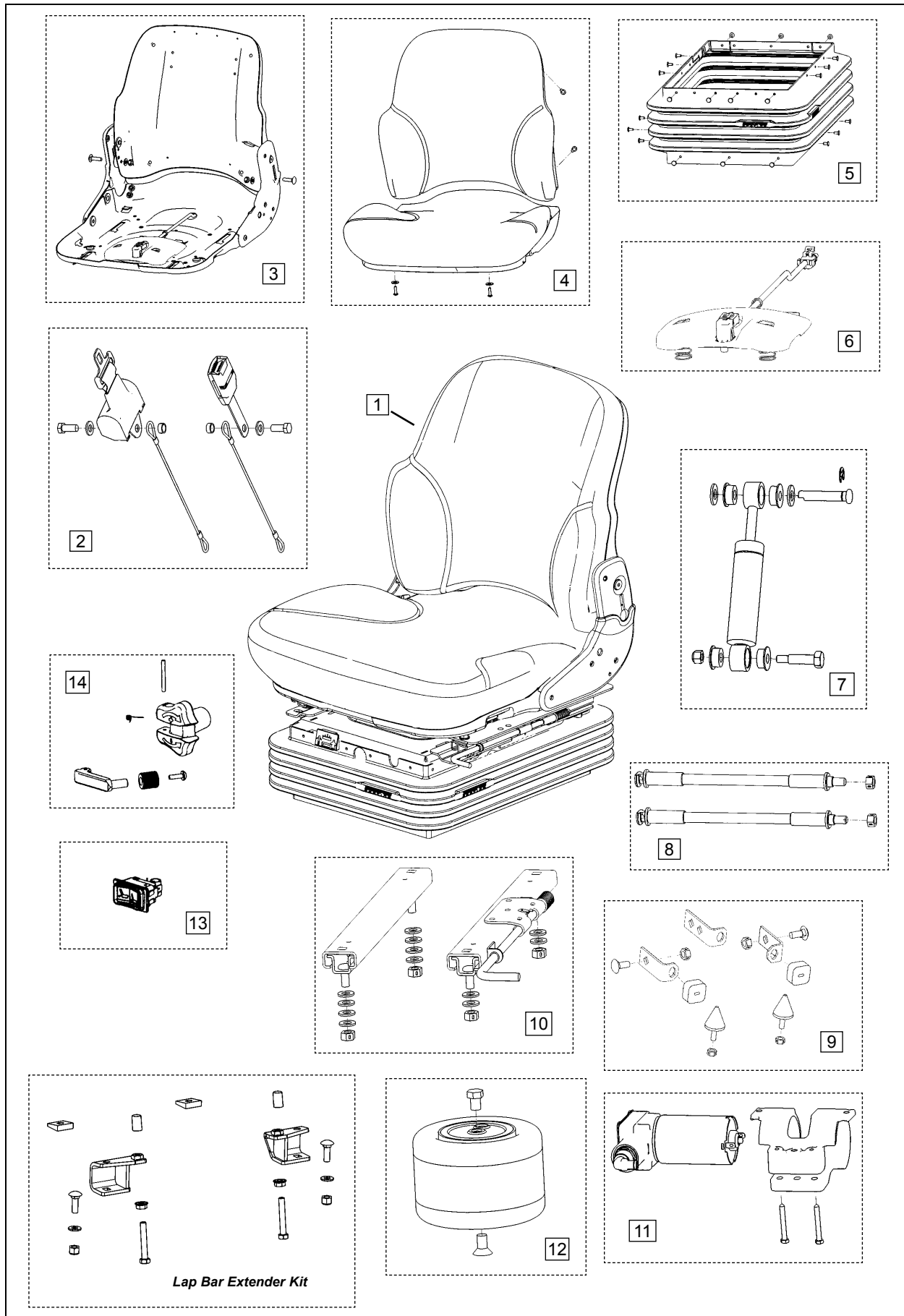


| Item No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 01       | 271678   | PLUG                          | AR   |
| 02       | 273545   | ARM REST (left) *             | 1    |
| 03       | 275982   | SPRING, 0.50 x 2.00 EXT.      | 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    |

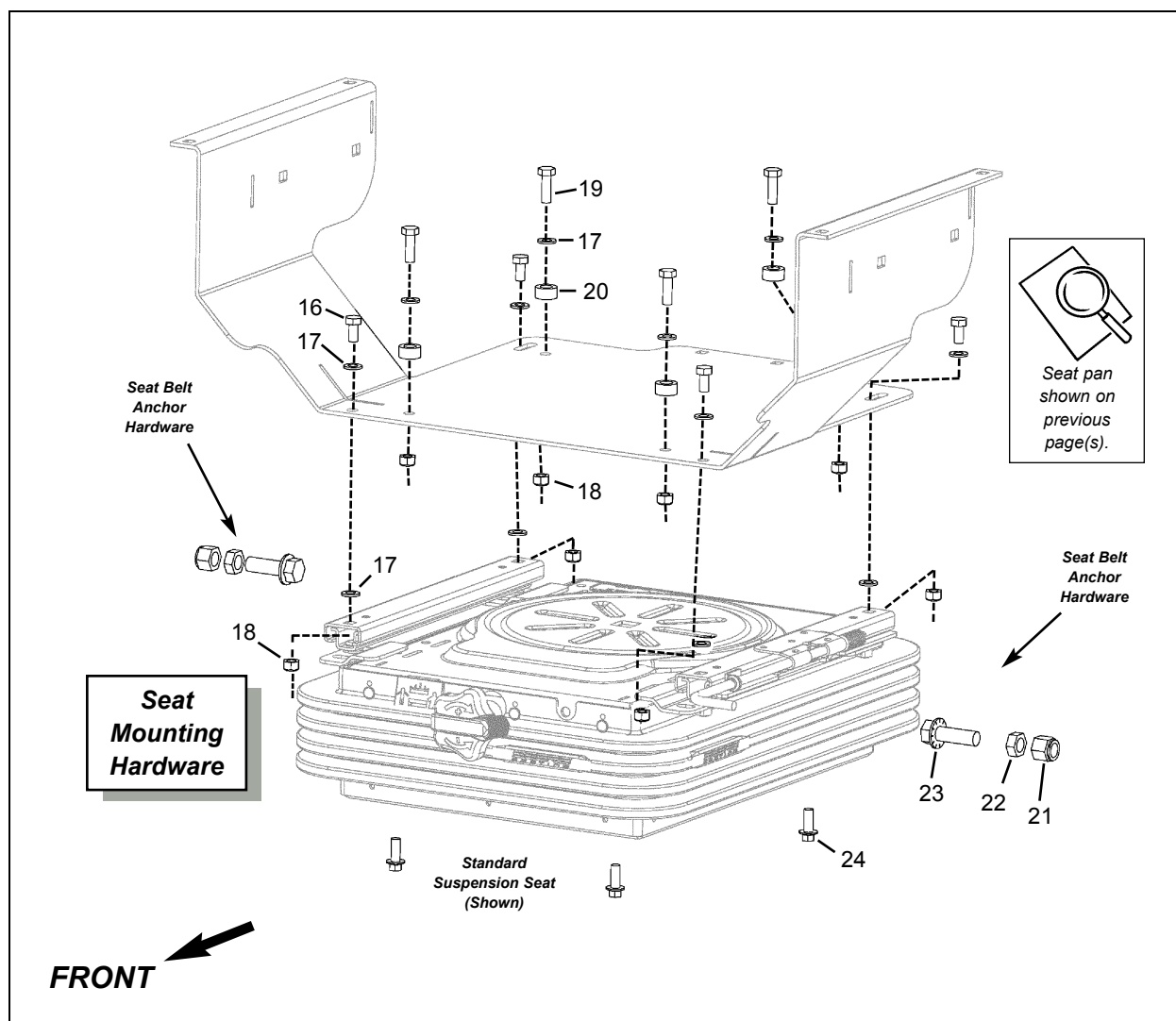
| Item No. | Part No. | Description                    | Qty. |
|----------|----------|--------------------------------|------|
| 16       | 653038   | HJN 3/8" C2ZY                  | 1    |
| 17       | 263369   | CABLE TIE                      | 2    |
| 18       | 275480   | BRACKET                        | 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 31; item #25 for increased operator room.

# RT175 - CAB SEAT







| Item No. | Part No.                                                     | Description                                       | Qty. |
|----------|--------------------------------------------------------------|---------------------------------------------------|------|
| 01       | 50280201                                                     | SEAT, SUSPENSION ( <i>complete</i> )              | 1    |
|          | 275469                                                       | MECHANICAL ( <i>standard</i> )                    |      |
|          | 275515                                                       | AIR ( <i>option</i> )                             |      |
| 02       | 50280202                                                     | 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       | 50280212                                                     | KIT, BOOT ( <i>mechanical suspension seat</i> )   | 1    |
|          | 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       | 50280203                                                     | KIT, SLIDES ( <i>mechanical suspension seat</i> ) | 1    |
|          | 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> |                                  |      |

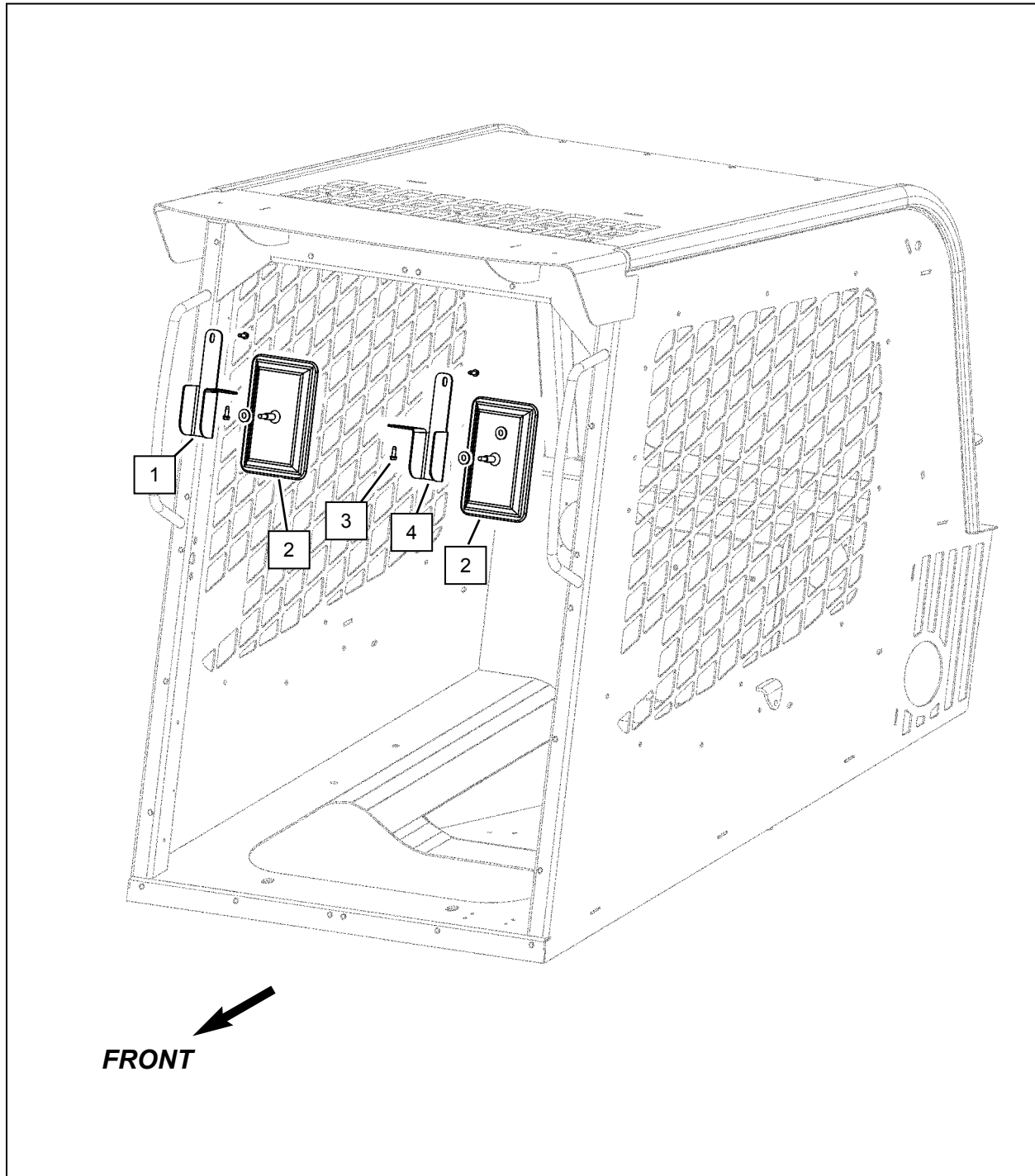
\*Individual seat cushions are not sold separately; kit includes both seat cushions.

\*\* Air suspension seat only.

\*\*\* Mechanical suspension seat only.

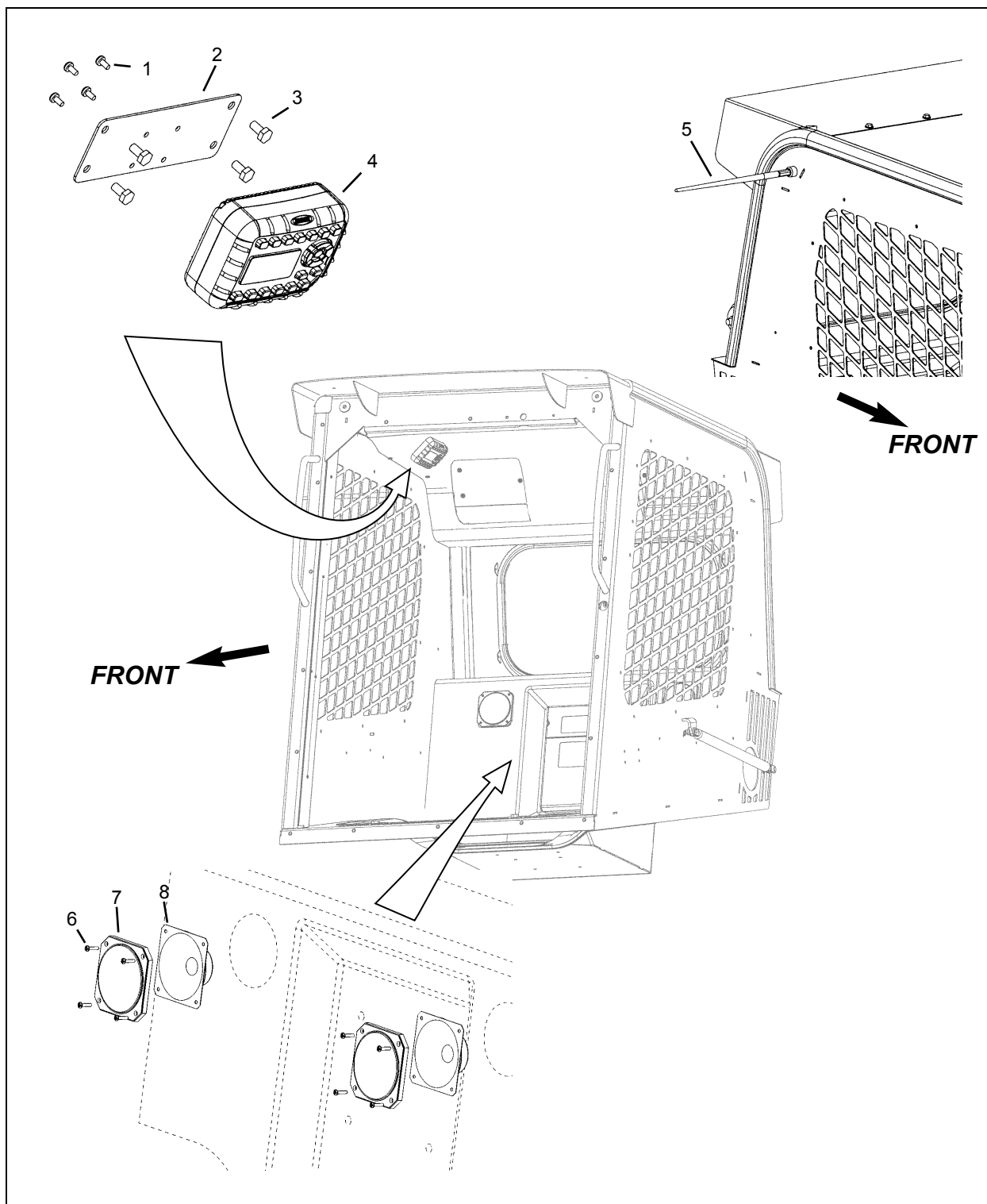
# RT175 - CAB

## 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    |

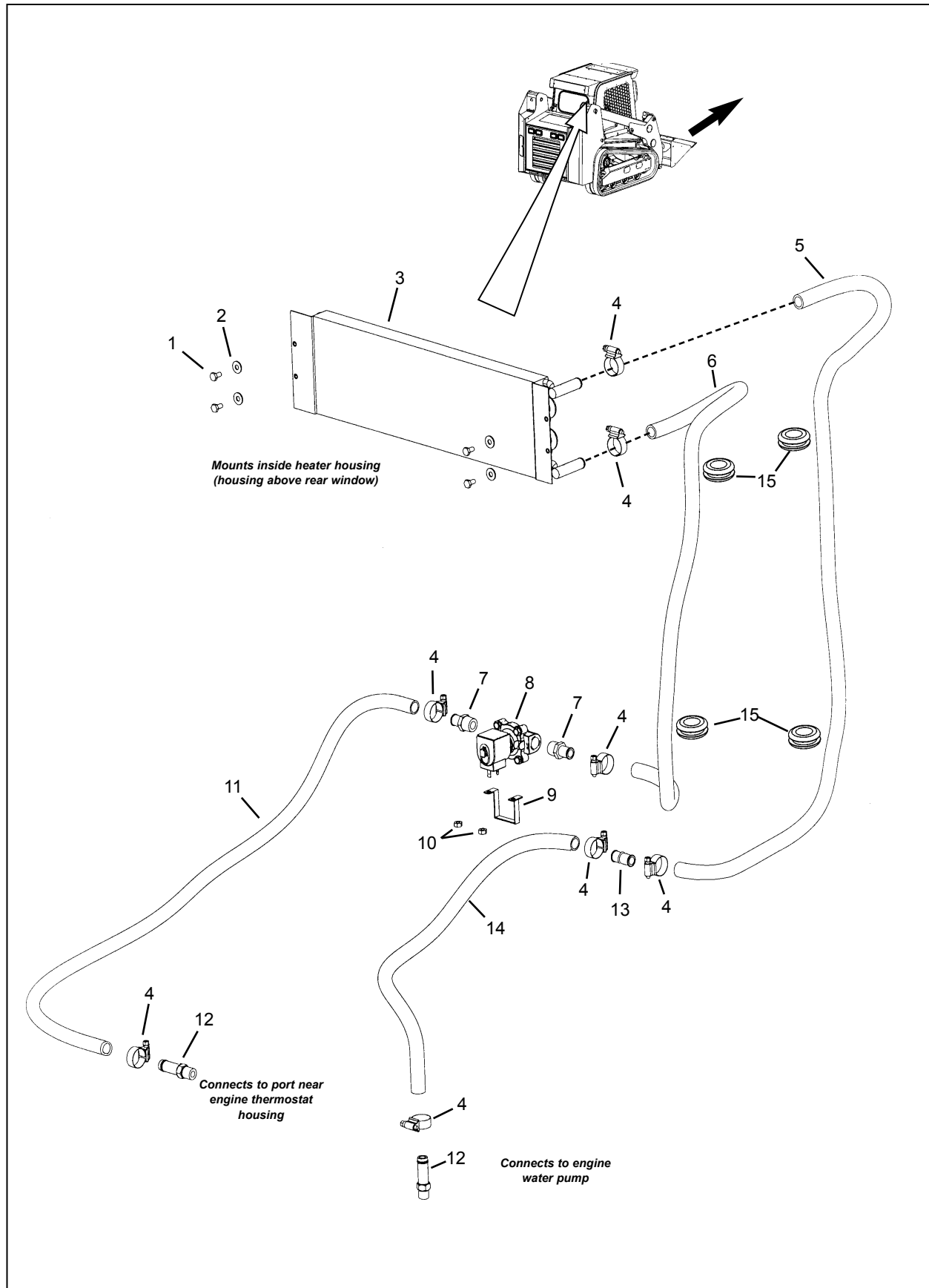
# RT175 - CAB RADIO - (OPTION)



| 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    |

# RT175 - CAB HEATER HOSE CIRCUIT — (OPTION)



## RT175 - 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    |

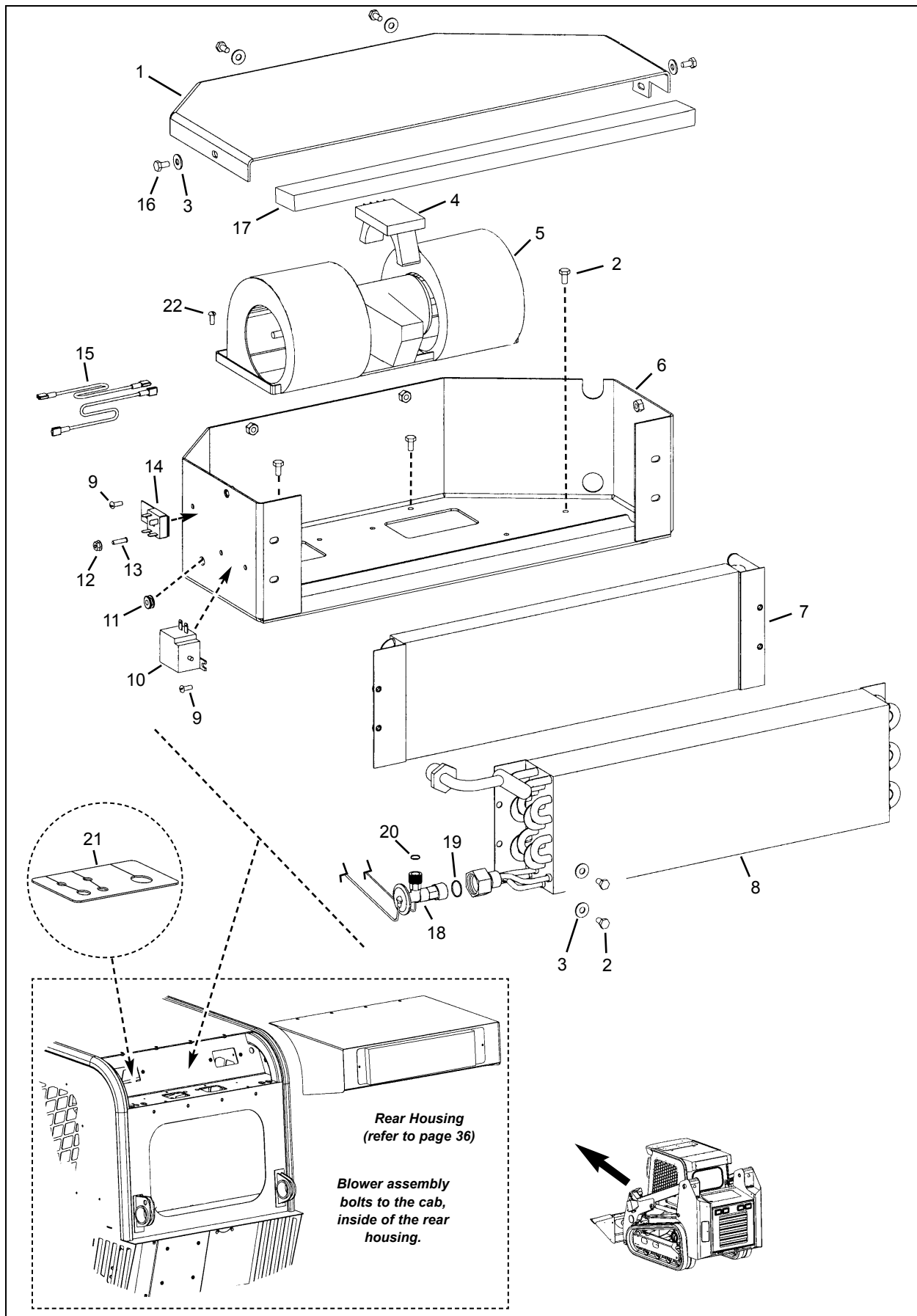
| Item No.                | Part No. | Description                                                                         | Qty. |
|-------------------------|----------|-------------------------------------------------------------------------------------|------|
| 14                      | 50300587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

# RT175 - CAB

## HEATER / AIR CONDITIONING BLOWER — (OPTION)



# RT175 - CAB

## HEATER / AIR CONDITIONING BLOWER — (OPTION)

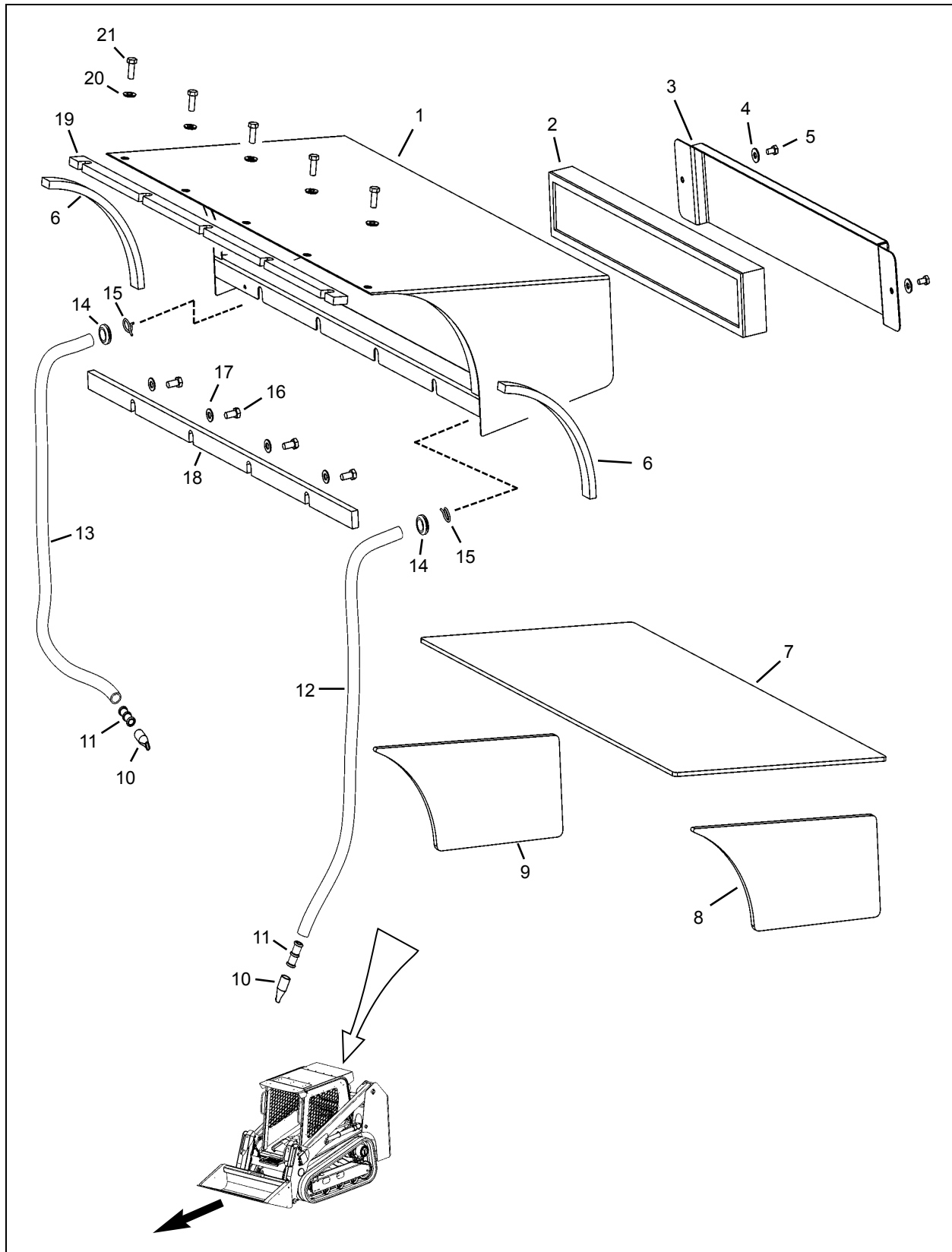
| Item |           |                                |      | Item |          |                             |      |
|------|-----------|--------------------------------|------|------|----------|-----------------------------|------|
| No.  | Part No.  | Description                    | Qty. | No.  | Part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

\* Used on machines equipped with air conditioning.

\*\* Included with item #14.

# RT175 - CAB

## REAR CAB - HVAC COVER





# RT175 - 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    |

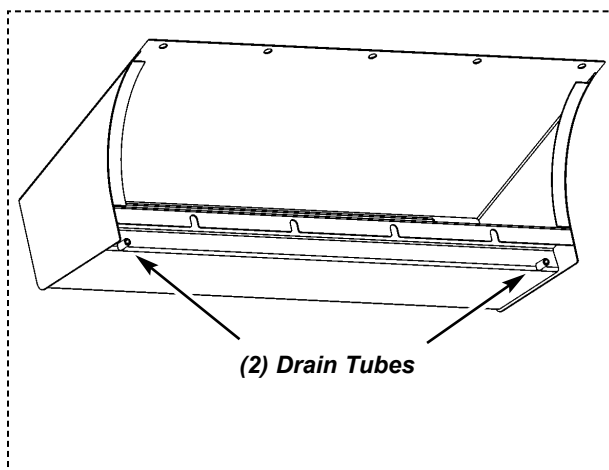
| Item No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 15       | 245235   | CLAMP/HOSE WIRE .75 OD ** | 2    |
| 16       | 650488   | CS 3/8" x 3/4" C5ZY       | 4    |
| 17       | 65049    | FW 3/8" ANZY              | 4    |
| 18       | 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    |

\*

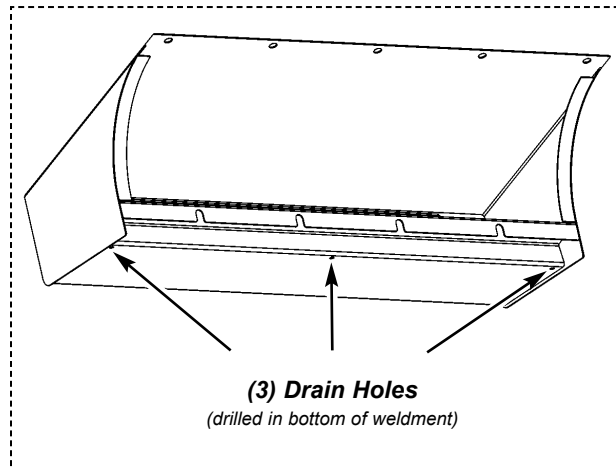


**IMPORTANT:** When ordering a replacement rear bill weldment be sure to determine which one to order. Earlier units use weldment PN 50301820, which has three drain holes drilled into the bottom plate. Later units use weldment PN 50303655, which has two drain tubes that use items 10-14, and item 18.

\*\* Not used with earlier rear bill weldment 50301820.



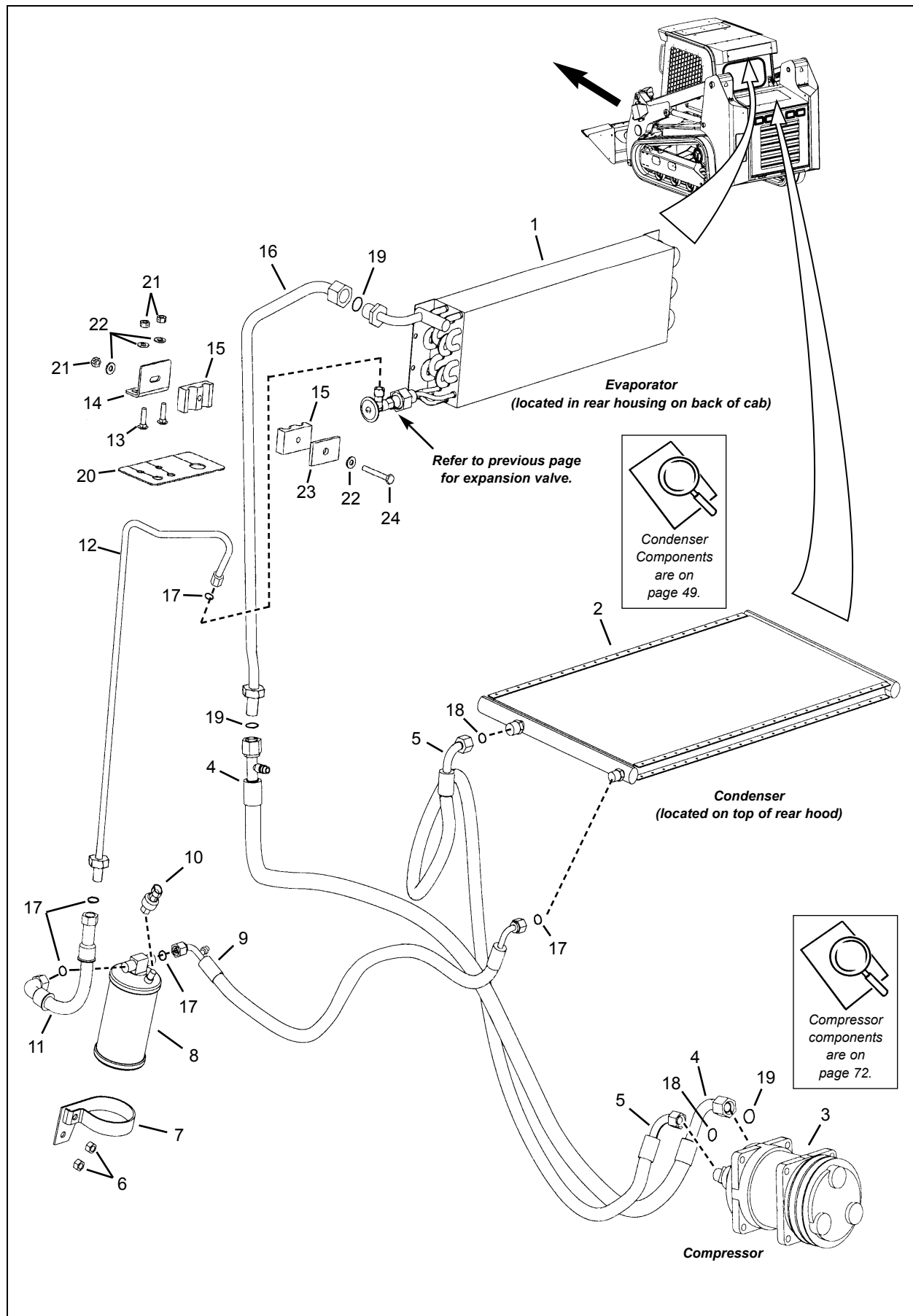
**50303655**



**50301820**

# RT175 - CAB

## AIR CONDITIONING CIRCUIT — (OPTION)



# RT175 - CAB

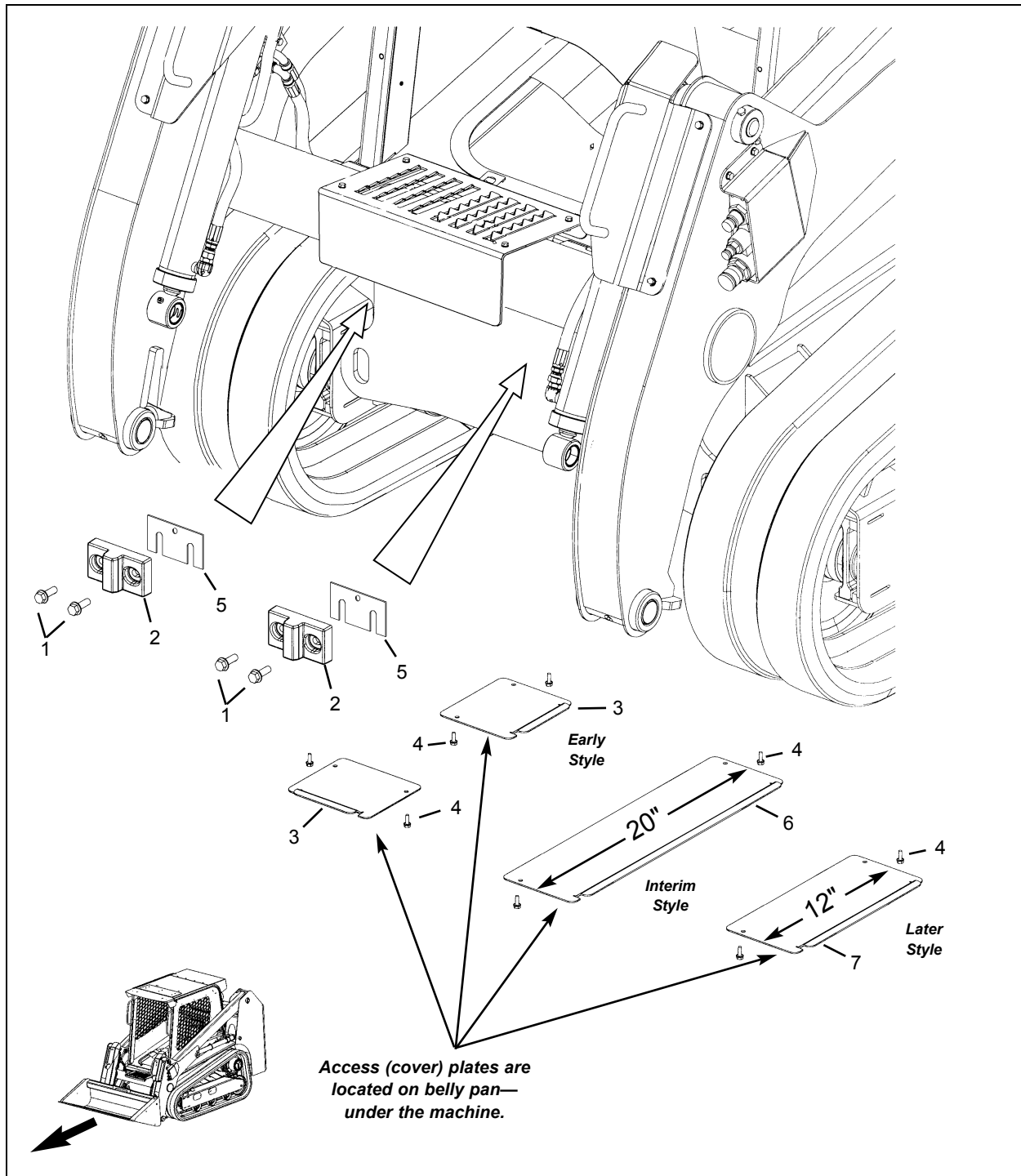
## AIR CONDITIONING CIRCUIT — (OPTION)

| 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.

# RT175 - CHASSIS

## FRAME - FRONT / UNDER

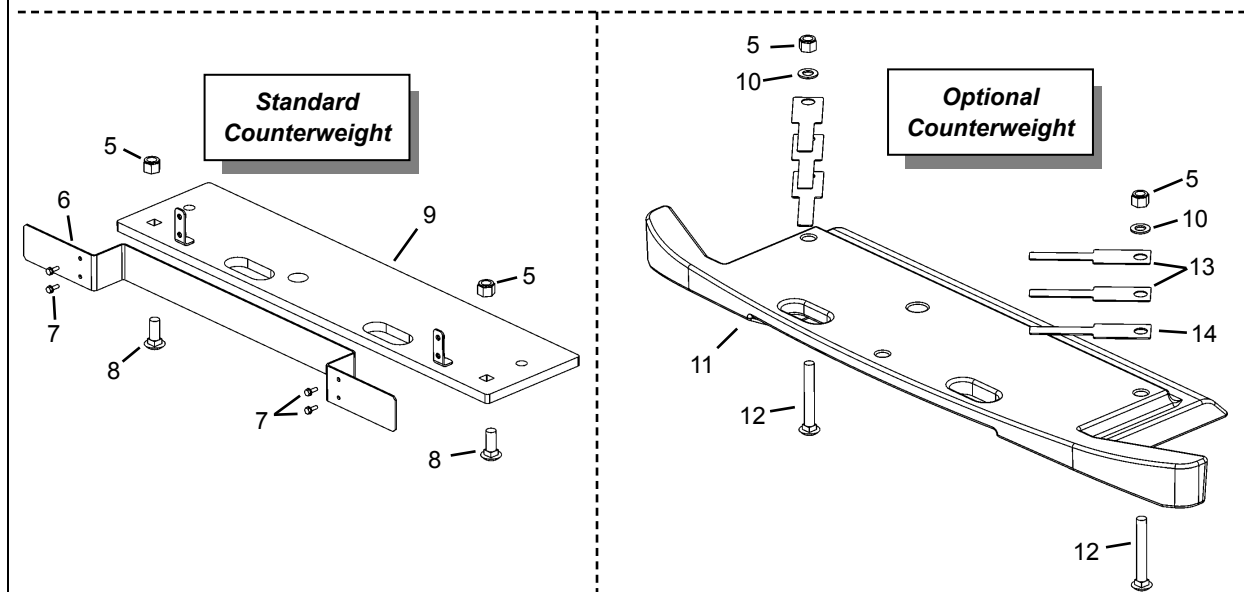
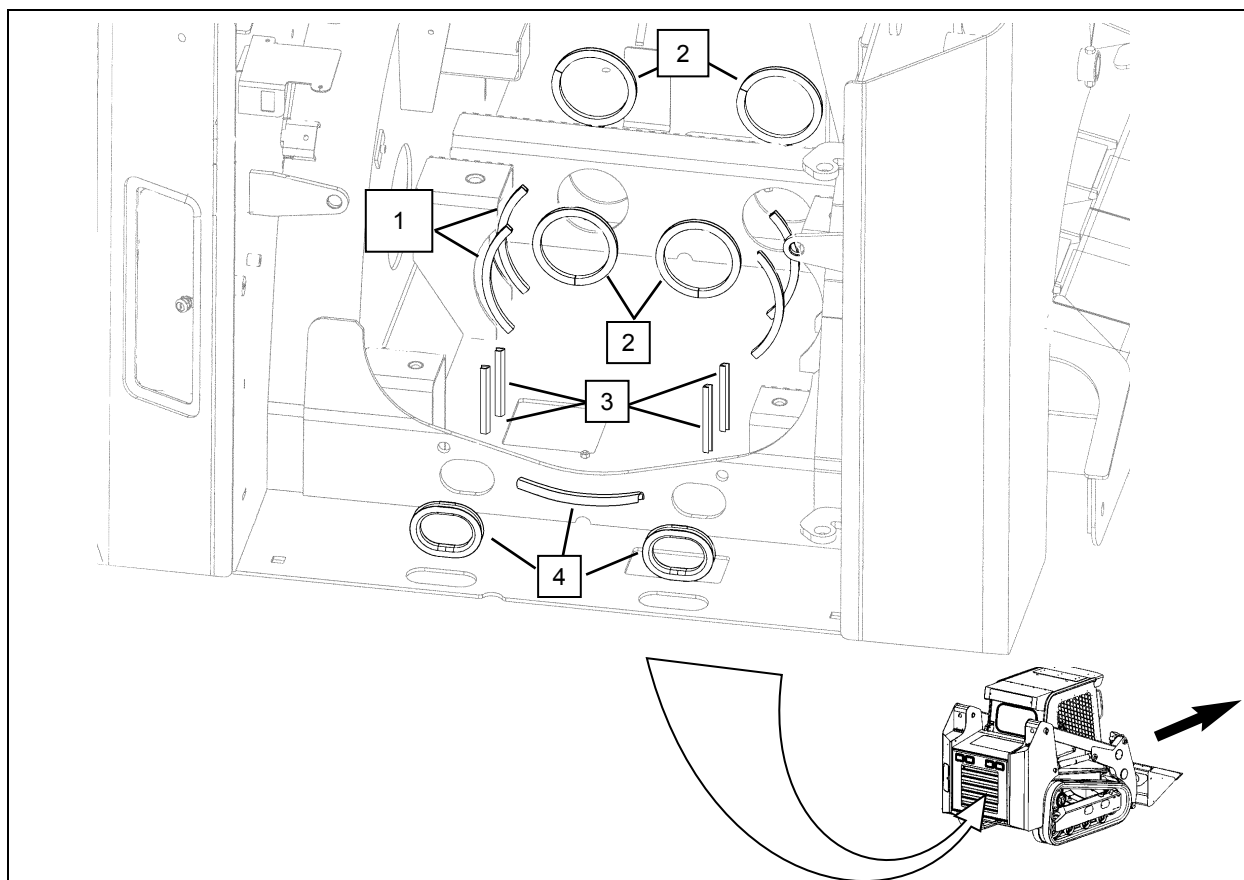


| Item No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 01       | 50300569 | CS FL LOCK 1/2" x 2" C8OCG SP | 4    |
| 02       | 273567   | BLOCK, LIFT CYLINDER STOP     | 2    |
| 03       | 271222   | PLATE, COVER *                | 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).

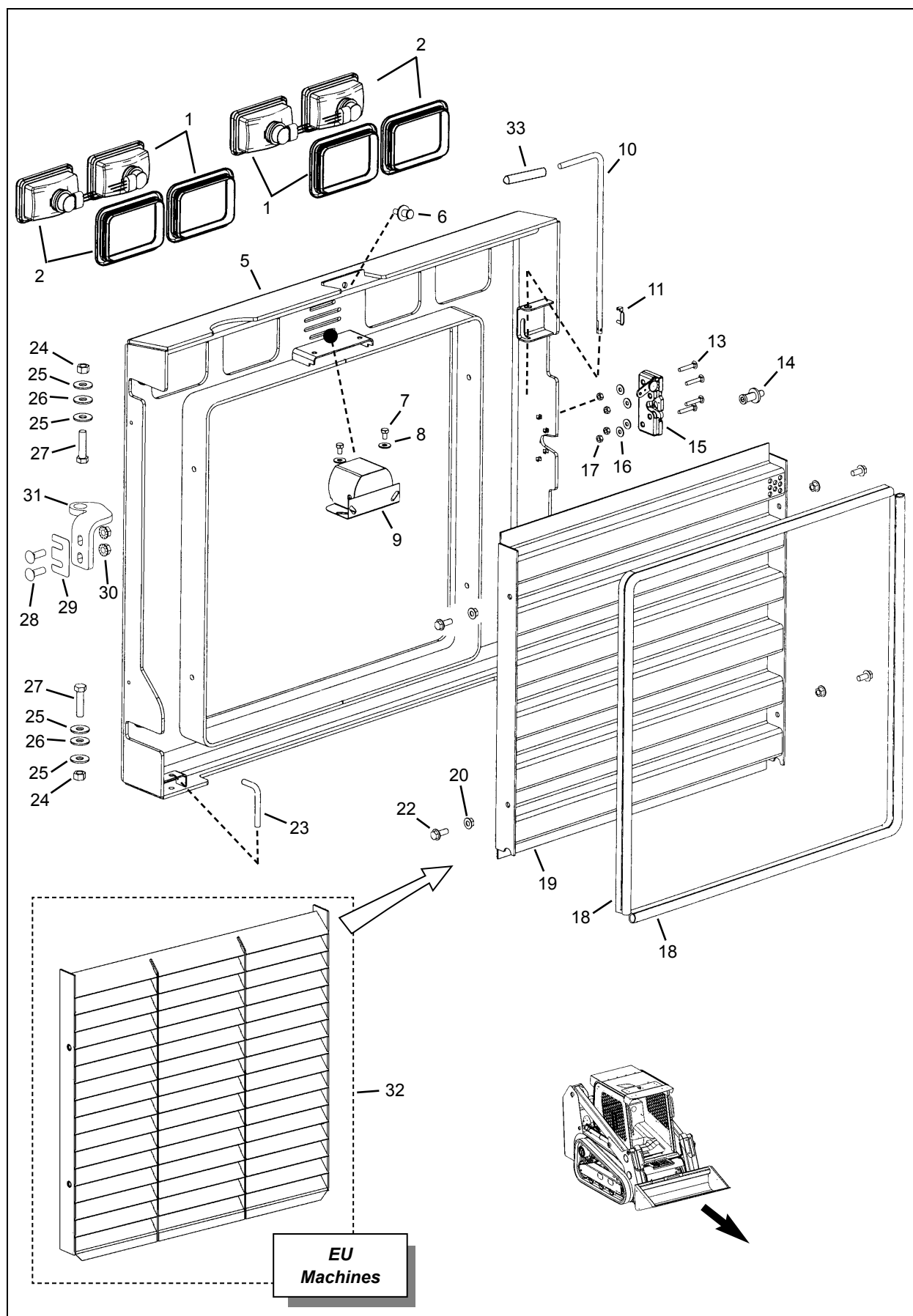
# RT175 - CHASSIS COUNTERWEIGHTS / CENTER FRAME



| 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       | 274589   | COVER                           | 1    |
| 07       | 072916   | CS FL LOCK 1/4 x 3/4 C5ZY       | 4    |

| Item No. | Part No. | Description                       | Qty. |
|----------|----------|-----------------------------------|------|
| 08       | 50657007 | CB 3/4 x 2 C5ZY                   | 2    |
| 09       | 274672   | COUNTERWEIGHT ( <i>standard</i> ) | 1    |
| 10       | 651564   | FW 3/4 HT ZY                      | AR   |
| 11       | 50300819 | COUNTERWEIGHT ( <i>option</i> )   | 1    |
| 12       | 651808   | CB SN 3/4 x 5-1/2 C5ZY            | 2    |
| 13       | 50300687 | SHIM (0.0598)                     | AR   |
| 14       | 50300686 | SHIM (0.1046)                     | AR   |

# RT175 - CHASSIS REAR DOOR



# RT175 - CHASSIS

## REAR DOOR

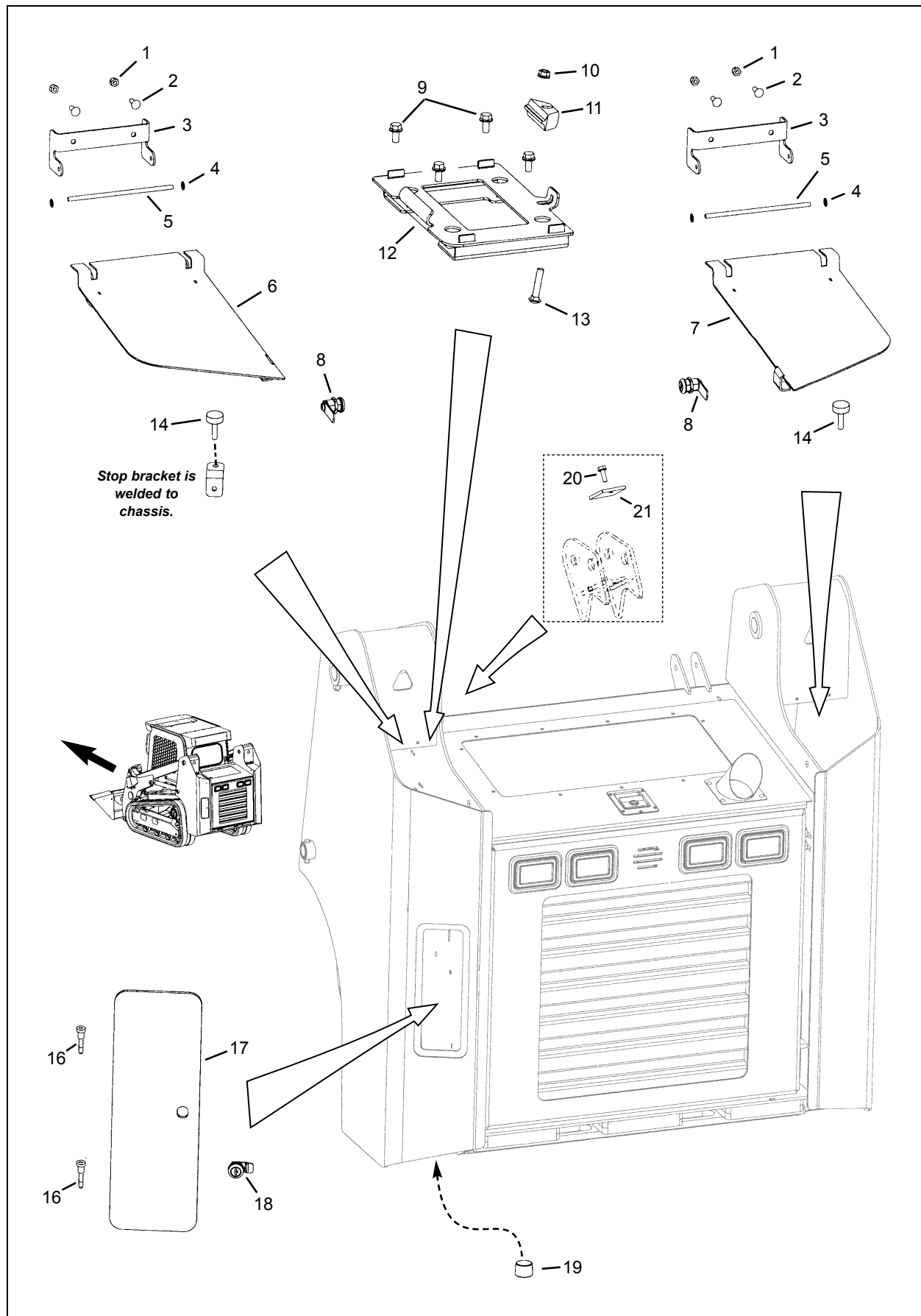
| Item No. | Part No.  | Description                                                                          | Qty. |
|----------|-----------|--------------------------------------------------------------------------------------|------|
| 01       | 271718    | LIGHTS, WORK ( <i>clear lens</i> )                                                   | 2    |
|          | 122488    | BULB, 12V-38WATT ( <i>GE 862</i> )<br>( <i>Work light includes bezel and bulb</i> )  | AR   |
| 02       | 271541    | LIGHTS, TAIL ( <i>red lens</i> )                                                     | 2    |
|          | NSS       | BULB, 12V-27WATT ( <i>GE 3157</i> )<br>( <i>Tail light includes bezel and bulb</i> ) | AR   |
| 05       | 273890    | DOOR, REAR                                                                           | 1    |
| 06       | 104416    | STRIKER                                                                              | 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    |
| <b>- (ITEMS NOT SHOWN) --</b> |          |                                            |      |
| --                            | 275078   | WIRE HARNESS, REAR DOOR                    | 1    |
| --                            | 273369   | CABLE, TIE 0.20" x 8.0"                    | 8    |

\* Not used on EU machines.

\*\* Used on EU machines.

# RT175 - CHASSIS REAR ACCESS DOORS





## RT175 - 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>(see item 16)</i> * | 2    |
| 06       | 274427   | WELDMENT, TOWER DOOR - LEFT               | 1    |
| 07       | 274428   | 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    |

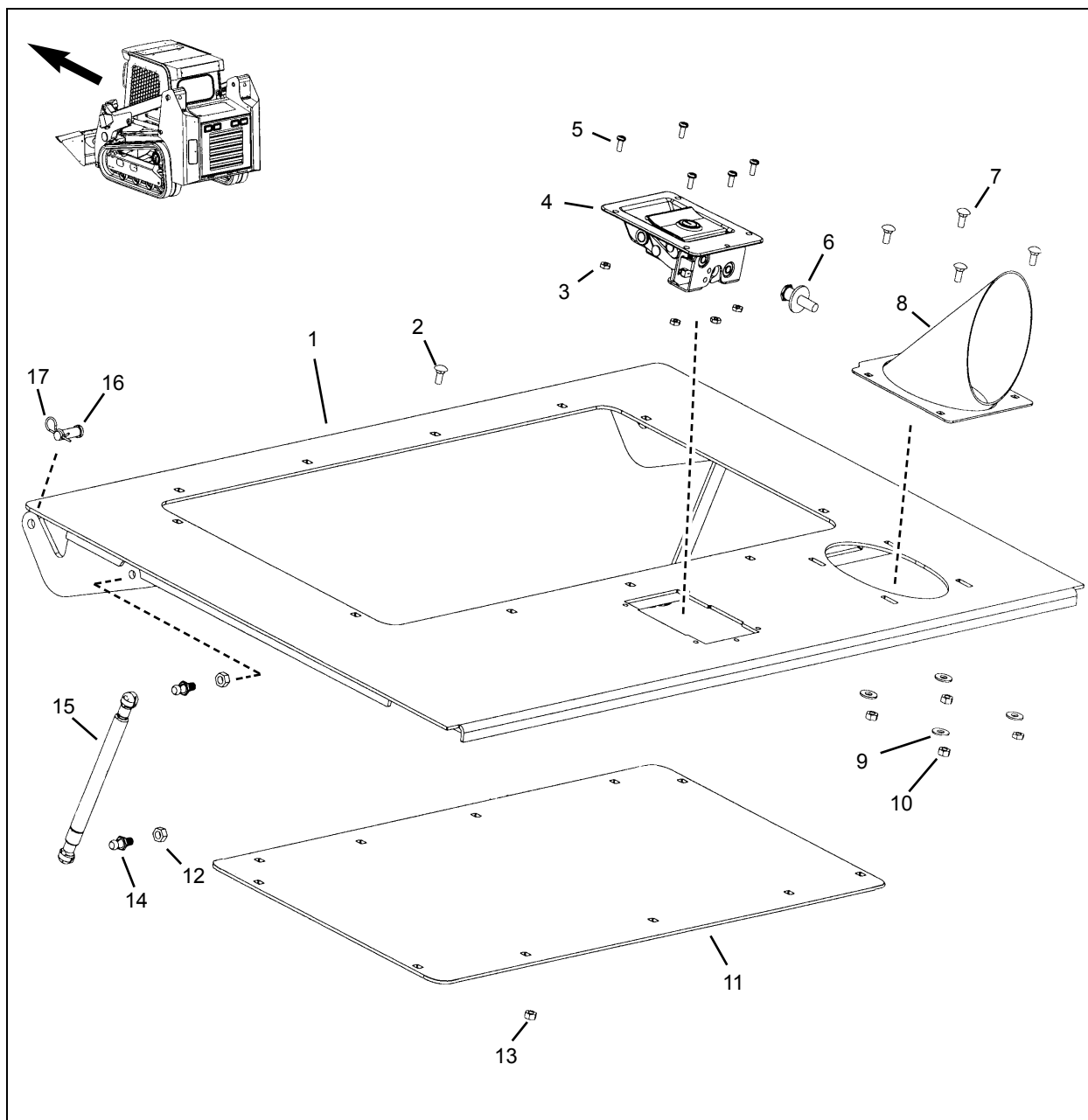
| Item No. | Part No. | Description                          | Qty. |
|----------|----------|--------------------------------------|------|
| 16       | 50300223 | 5/16" x 5/8" x 1/4" SHOULDER BOLT    | 2    |
|          | 071401   | HLN INST 1/4 C2ZY <i>(not shown)</i> | 2    |
| 17       | 271503   | 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 (Series I lock); if, however, the ignition key opens the lock, order replacement key P/N 50280186 (Series II lock).

# RT175 - CHASSIS

## REAR HOOD



| Item No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 01       | 270445   | 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) (not shown) | 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    |
| 12       | 071701   | LN 5/16 CBZY                  | AR   |

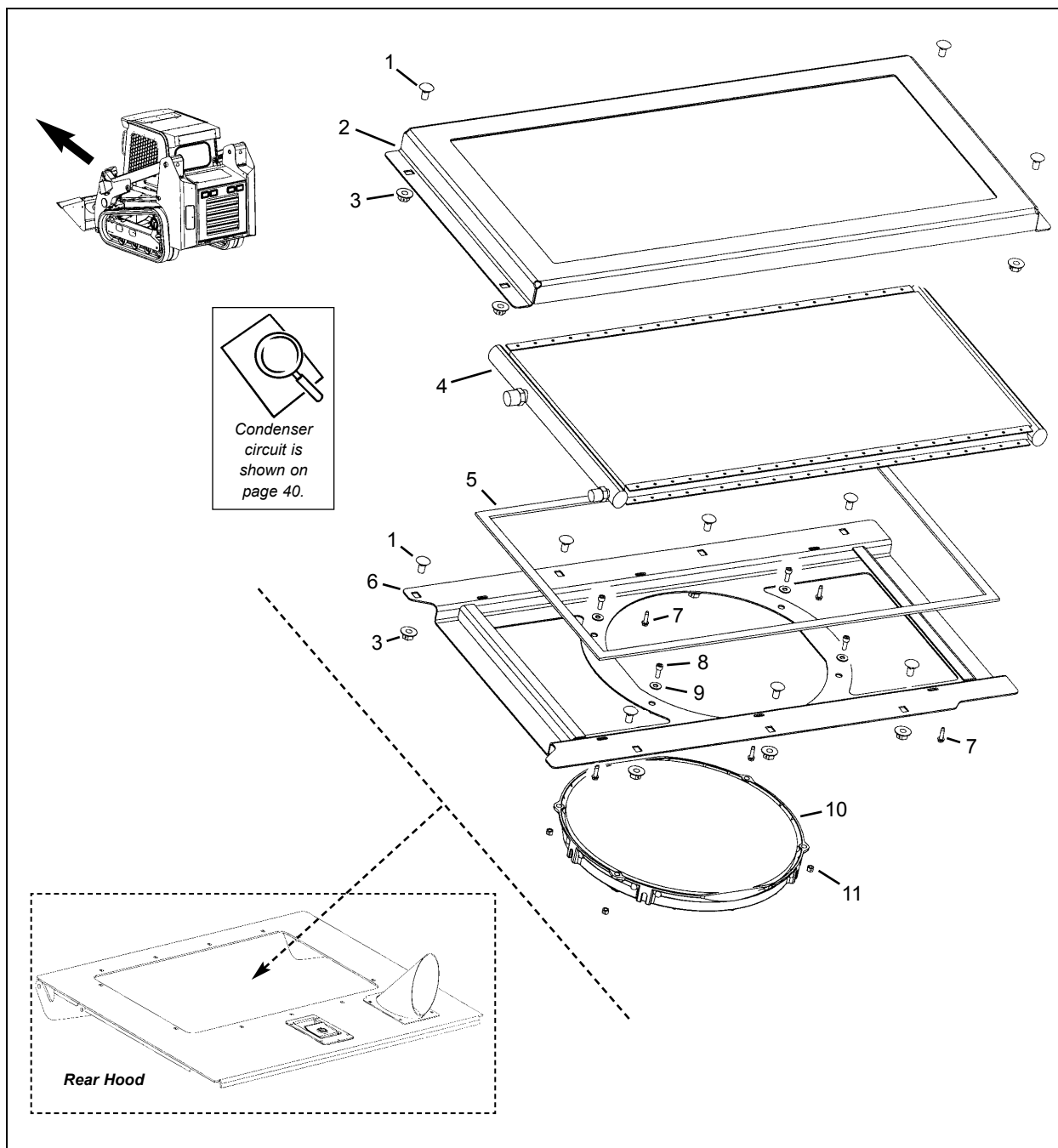
| Item No. | Part No.  | Description                    | Qty. |
|----------|-----------|--------------------------------|------|
| 13       | 210-31017 | LN FL CTR 5/16 CFZY            | 11   |
| 14       | L69488    | STUD, BALL                     | 4    |
| 15       | 50300007  | GAS CYLINDER (standard) **     | 2    |
|          | 50300393  | GAS CYLINDER (A/C equipped) ** | 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.

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

# RT175 - CHASSIS

## REAR HOOD - AIR CONDITIONING CONDENSER ASSEMBLY — (OPTION)

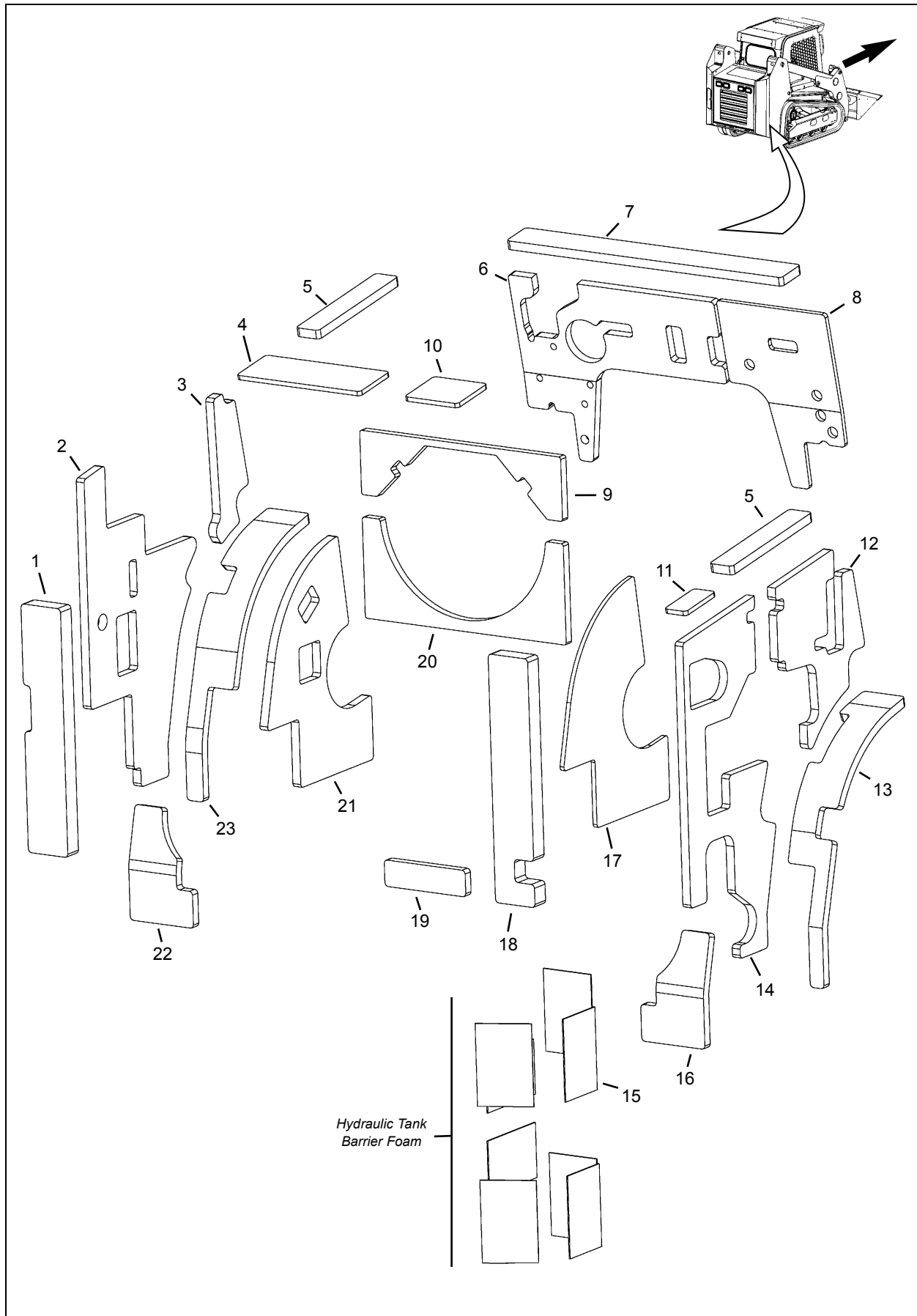


| Item No. | Part No.  | Description              | Qty. |
|----------|-----------|--------------------------|------|
| 01       | 650437    | CB SN 5/16 x 5/8 C5ZY    | 11   |
| 02       | 50300279  | WELDMNT, CONDENSER COVER | 1    |
| 03       | 210-31017 | LN FL CTR 5/16 CFZY      | 11   |
| 04 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

# RT175 - CHASSIS

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



# RT175 - CHASSIS

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

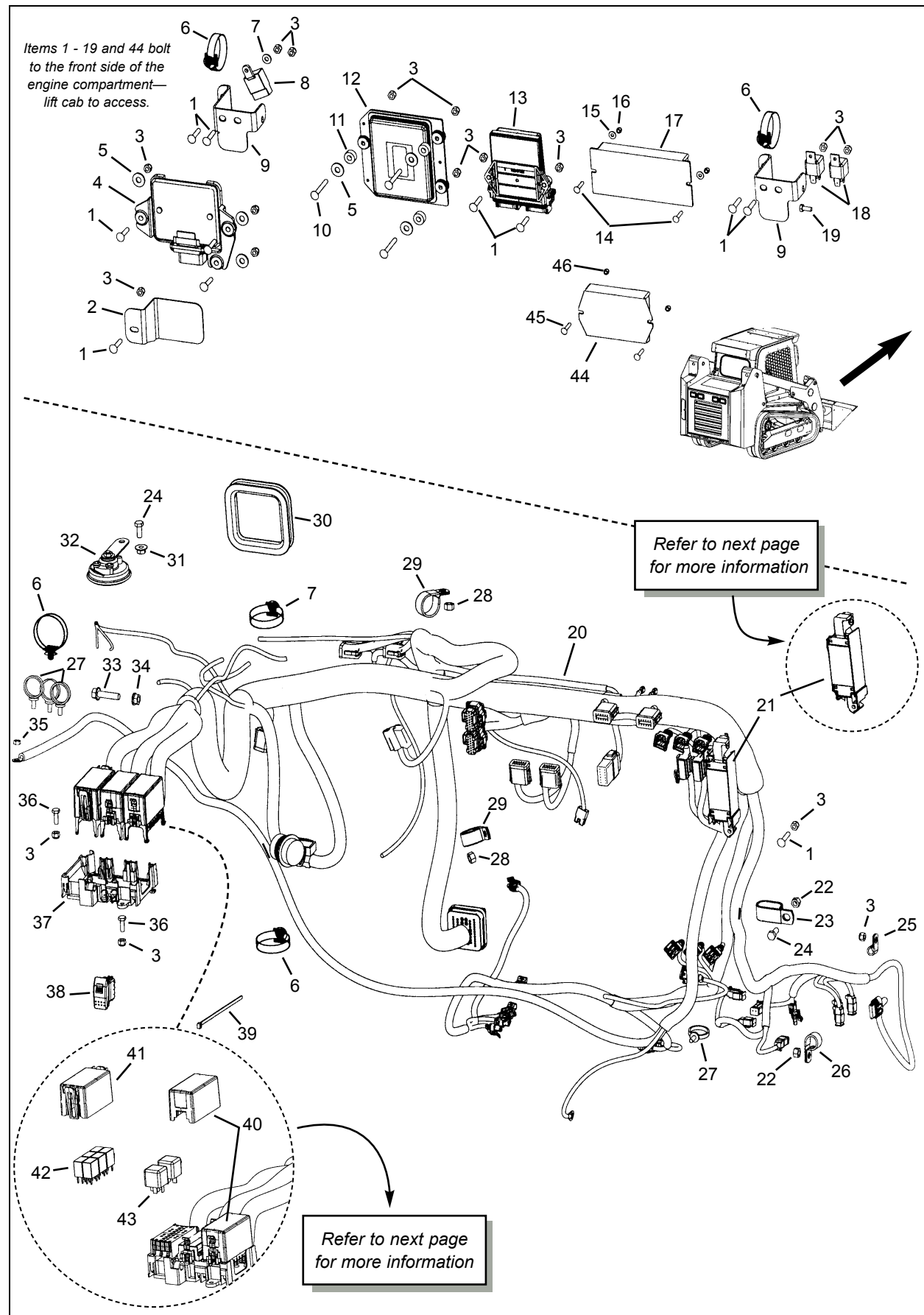
| Item<br>No. | Part No. | Description          | Qty. |
|-------------|----------|----------------------|------|
| 01          | 50301512 | FOAM, REAR DOOR      | 1    |
| 02          | 50301540 | FOAM, ENGINE LEFT    | 1    |
| 03          | 50301538 | FOAM, ENGINE LEFT    | 1    |
| 04          | 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          | 50301532 | FOAM, ENGINE RIGHT   | 1    |
| 13          | 50301221 | FOAM, FENDER RIGHT   | 1    |
| 14          | 50301530 | FOAM, ENGINE RIGHT   | 1    |

| Item<br>No. | Part No. | Description              | Qty. |
|-------------|----------|--------------------------|------|
| 15          | 50301578 | BARRIER, HYDRAULIC TANK  | 8    |
| 16          | 50301205 | FOAM, CROSS BRACE RIGHT  | 1    |
| 17          | 50301219 | FOAM, INNER FENDER       | 1    |
| 18          | 50301510 | FOAM, REAR DOOR          | 1    |
| 19          | 50301203 | FOAM, CROSS BRACE CENTER | 1    |
| 20          | 50301583 | FOAM, FAN SHROUD         | 1    |
| 21          | 50301245 | FOAM, INNER FENDER LEFT  | 1    |
| 22          | 50301206 | FOAM, CROSS BRACE LEFT   | 1    |
| 23          | 50301220 | FOAM, FENDER LEFT        | 1    |



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

# RT175 - ELECTRICAL CHASSIS WIRE HARNESS / COMPONENTS



# RT175 - 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 <sup>a</sup> | 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    |
| 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    |
| 29              | 095619   | CLAMP, HOSE 1.25"/0.41" HOLE            | AR   |

| Item No. | Part No.  | Description                        | Qty. |
|----------|-----------|------------------------------------|------|
| 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)           |      |

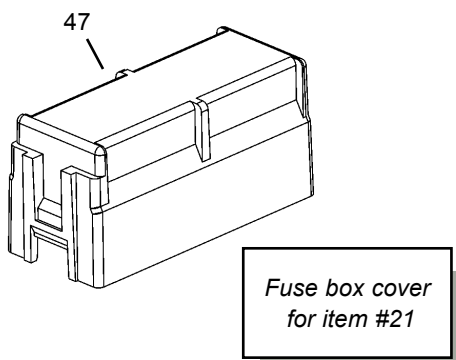
\* Used to secure negative battery cable to chassis and ground cable from engine block to the chassis.

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

<sup>a</sup>

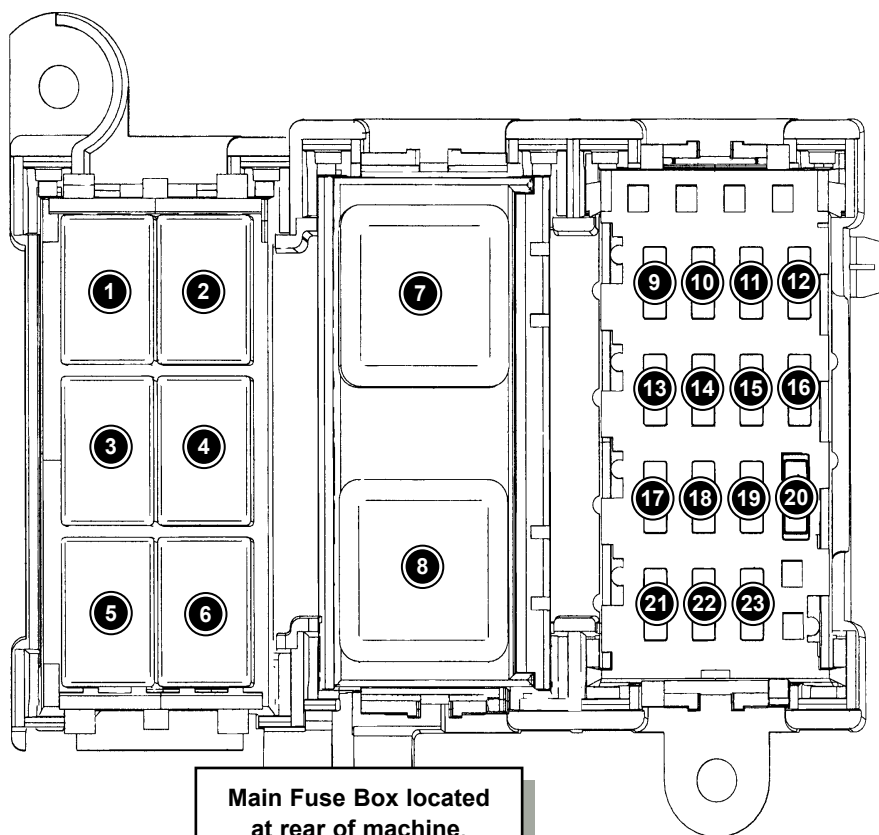


**NOTE:** The ECU is a special order item that requires programming. Please provide the engine model and serial number when placing an order for the ECU. Be aware that due to the programming requirements there may be a delay in obtaining this part.



# RT175 - ELECTRICAL

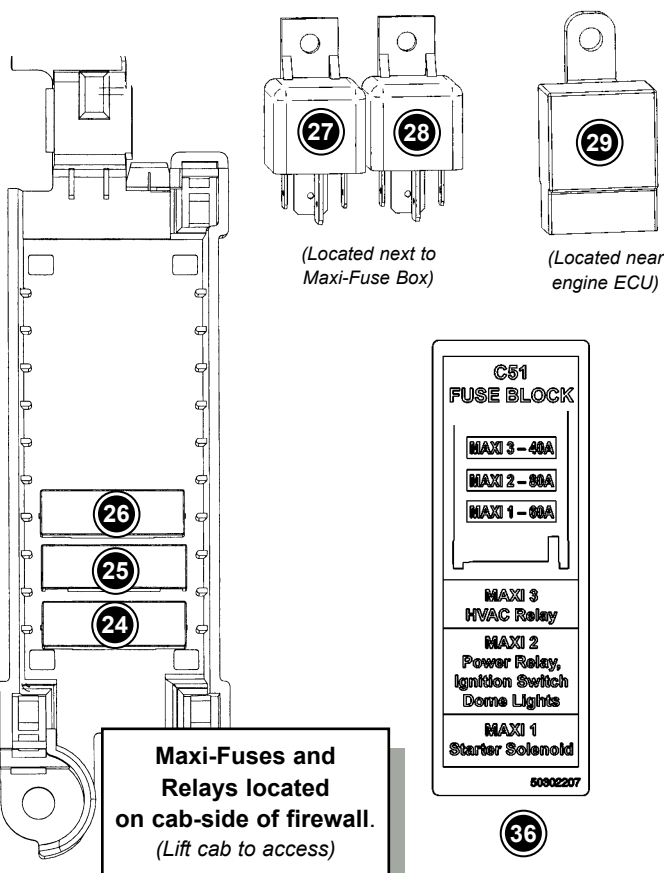
## FUSE BOXES / FUSES / RELAYS



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

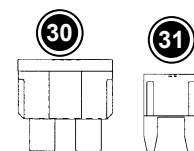
| C134 - RELAY BLOCK |            |  |  |
|--------------------|------------|--|--|
| R10                | Water Pump |  |  |
| R11                | Water Pump |  |  |
| R12                | Water Pump |  |  |
| R13                | Water Pump |  |  |
| R14                | Water Pump |  |  |
| R15                | 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 |  |  |
| R25                | Water Pump |  |  |
| R26                | Water Pump |  |  |
| R27                | Water Pump |  |  |
| R28                | Water Pump |  |  |
| R29                | Water Pump |  |  |
| R30                | Water Pump |  |  |
| R31                | Water Pump |  |  |
| R32                | Water Pump |  |  |
| R33                | Water Pump |  |  |
| R34                | Water Pump |  |  |
| R35                | Water Pump |  |  |
| R36                | Water Pump |  |  |
| R37                | Water Pump |  |  |
| R38                | Water Pump |  |  |
| R39                | Water Pump |  |  |
| R40                | Water Pump |  |  |
| R41                | Water Pump |  |  |
| R42                | Water Pump |  |  |
| R43                | Water Pump |  |  |
| R44                | Water Pump |  |  |
| R45                | Water Pump |  |  |
| R46                | Water Pump |  |  |
| R47                | Water Pump |  |  |
| R48                | Water Pump |  |  |
| R49                | Water Pump |  |  |
| R50                | Water Pump |  |  |
| R51                | Water Pump |  |  |
| R52                | Water Pump |  |  |
| R53                | Water Pump |  |  |
| R54                | Water Pump |  |  |
| R55                | Water Pump |  |  |
| R56                | Water Pump |  |  |
| R57                | Water Pump |  |  |
| R58                | Water Pump |  |  |
| R59                | Water Pump |  |  |
| R60                | Water Pump |  |  |
| R61                | Water Pump |  |  |
| R62                | Water Pump |  |  |
| R63                | Water Pump |  |  |
| R64                | Water Pump |  |  |
| R65                | Water Pump |  |  |
| R66                | Water Pump |  |  |
| R67                | Water Pump |  |  |
| R68                | Water Pump |  |  |
| R69                | Water Pump |  |  |
| R70                | Water Pump |  |  |
| R71                | Water Pump |  |  |
| R72                | Water Pump |  |  |
| R73                | Water Pump |  |  |
| R74                | Water Pump |  |  |
| R75                | Water Pump |  |  |
| R76                | Water Pump |  |  |
| R77                | Water Pump |  |  |
| R78                | Water Pump |  |  |
| R79                | Water Pump |  |  |
| R80                | Water Pump |  |  |
| R81                | Water Pump |  |  |
| R82                | Water Pump |  |  |
| R83                | Water Pump |  |  |
| R84                | Water Pump |  |  |
| R85                | Water Pump |  |  |
| R86                | Water Pump |  |  |
| R87                | Water Pump |  |  |
| R88                | Water Pump |  |  |
| R89                | Water Pump |  |  |
| R90                | Water Pump |  |  |
| R91                | Water Pump |  |  |
| 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

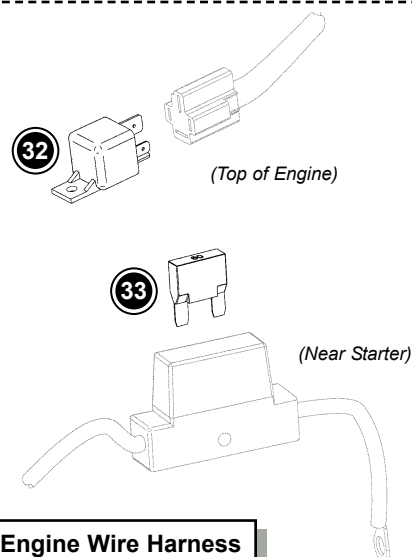


**Maxi-Fuses and  
Relays located  
on cab-side of firewall.**  
(Lift cab to access)

36



**In-line Fuses**



**Engine Wire Harness  
Maxi Fuse and Relay**

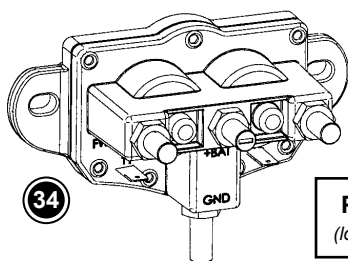


# RT175 - ELECTRICAL

## 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 <b>(WARNING NOT A FUSE)</b>                                            |
| 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<br><i>(located in Power-A-TACH™ Wire Harness 275687)</i> |
| 31       | 50220071 | MINI FUSE (3 AMP)           | F16        | RADIO / IN-LINE<br><i>(located in ROPS Wire Harness 275207)</i>                                  |
| 32       | 242146   | RELAY, ISO SPST (70 AMP)    | R12        | AIR HEATER<br><i>(located in Engine Wire Harness 275151—on top of engine)</i>                    |
| 33       | L500225  | MAXI FUSE (60 AMP)          | MAX4       | INLET AIR HEATER<br><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        |            |                                                                                                  |

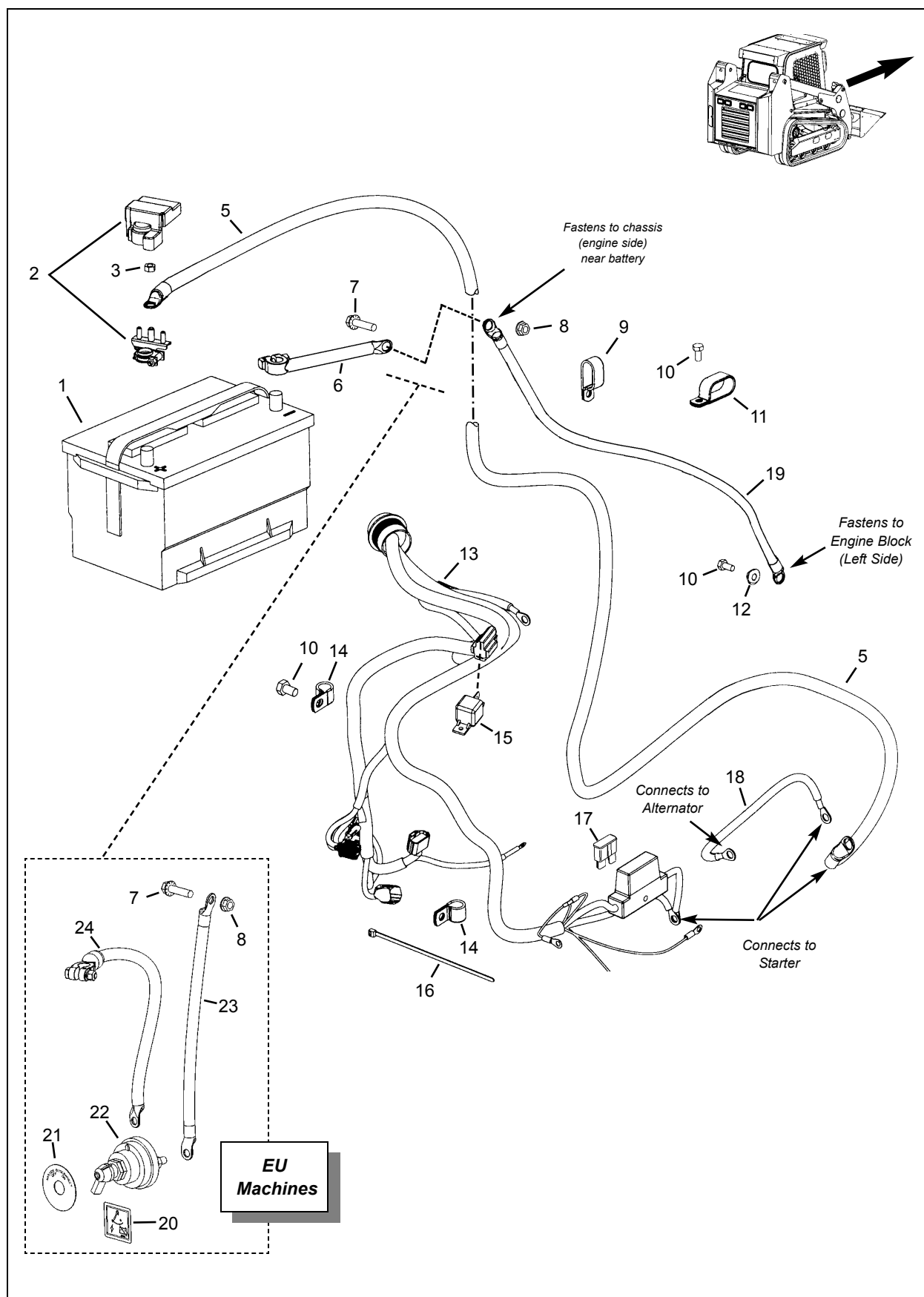
**NOTE:** The "FUSE/RELAY" column identifies the fuse/relay on the electrical schematic—refer to the Operator's Manual for this machine.



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

# RT175 - ELECTRICAL

## BATTERY CIRCUIT / ENGINE WIRE HARNESS



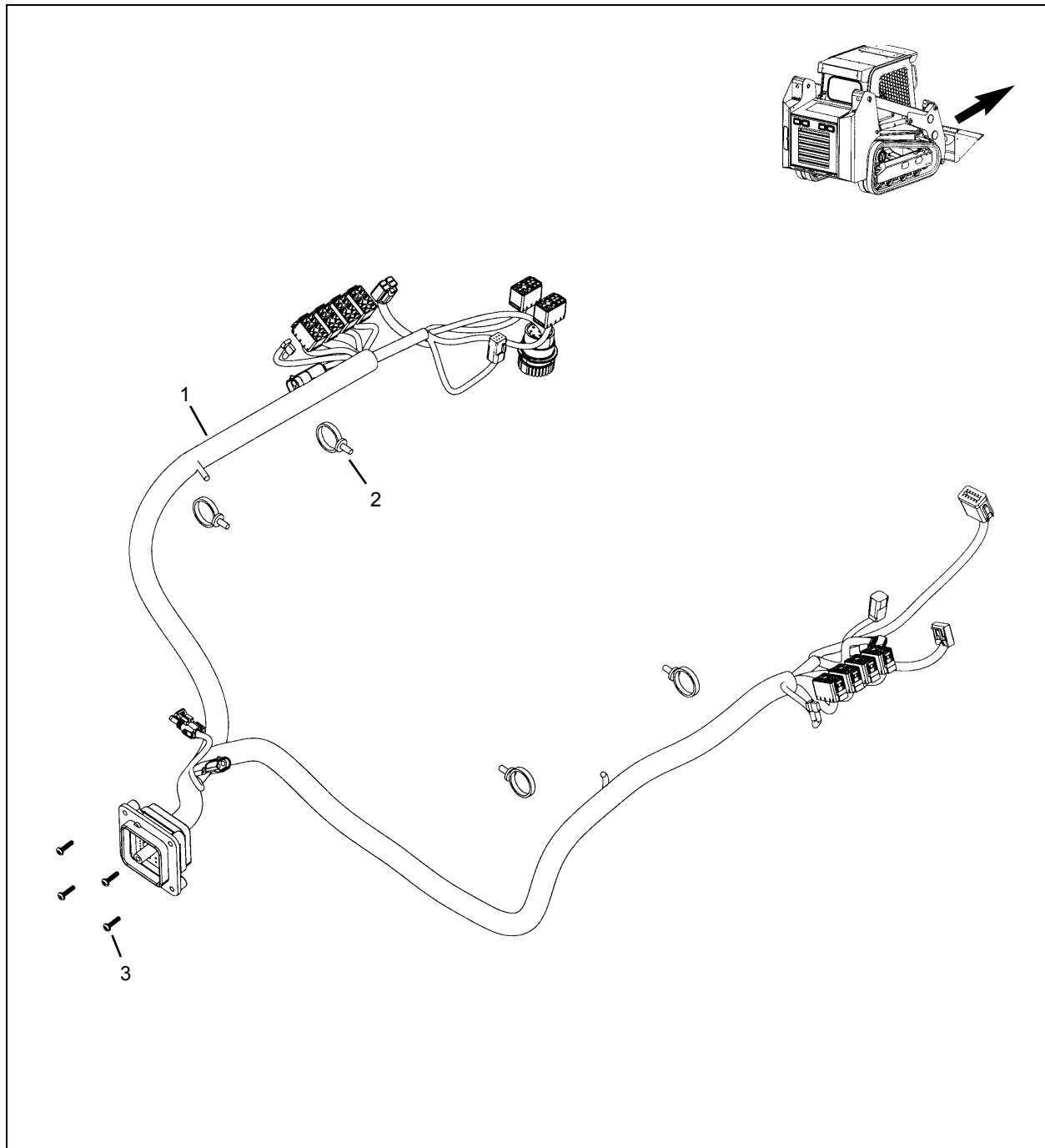
## RT175 - ELECTRICAL BATTERY CIRCUIT / ENGINE WIRE HARNESS

| Item<br>No. | Part No. | Description                                  | Qty. | Item<br>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<br>(includes item 2) | 1    | 16          | 055648   | TIE/CABLE 0.19 x 7.50 BLACK     | AR   |
| 06          | 276052   | BATTERY CABLE, NEGATIVE 6-1/4" *             | 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.

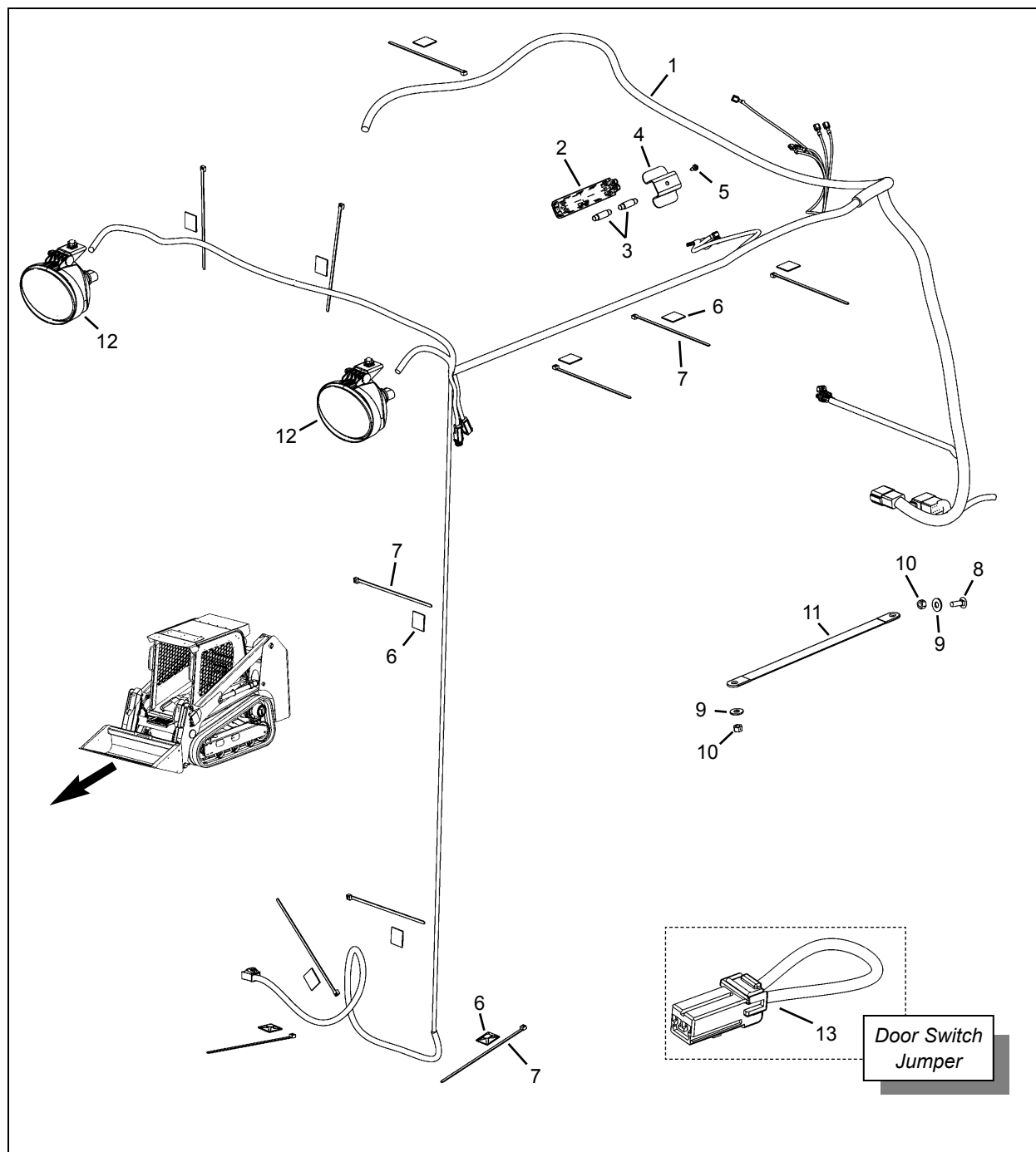
# RT175 - ELECTRICAL

## 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    |

# RT175 - ELECTRICAL WORK LIGHTS CAB / ROPS WIRE HARNESS

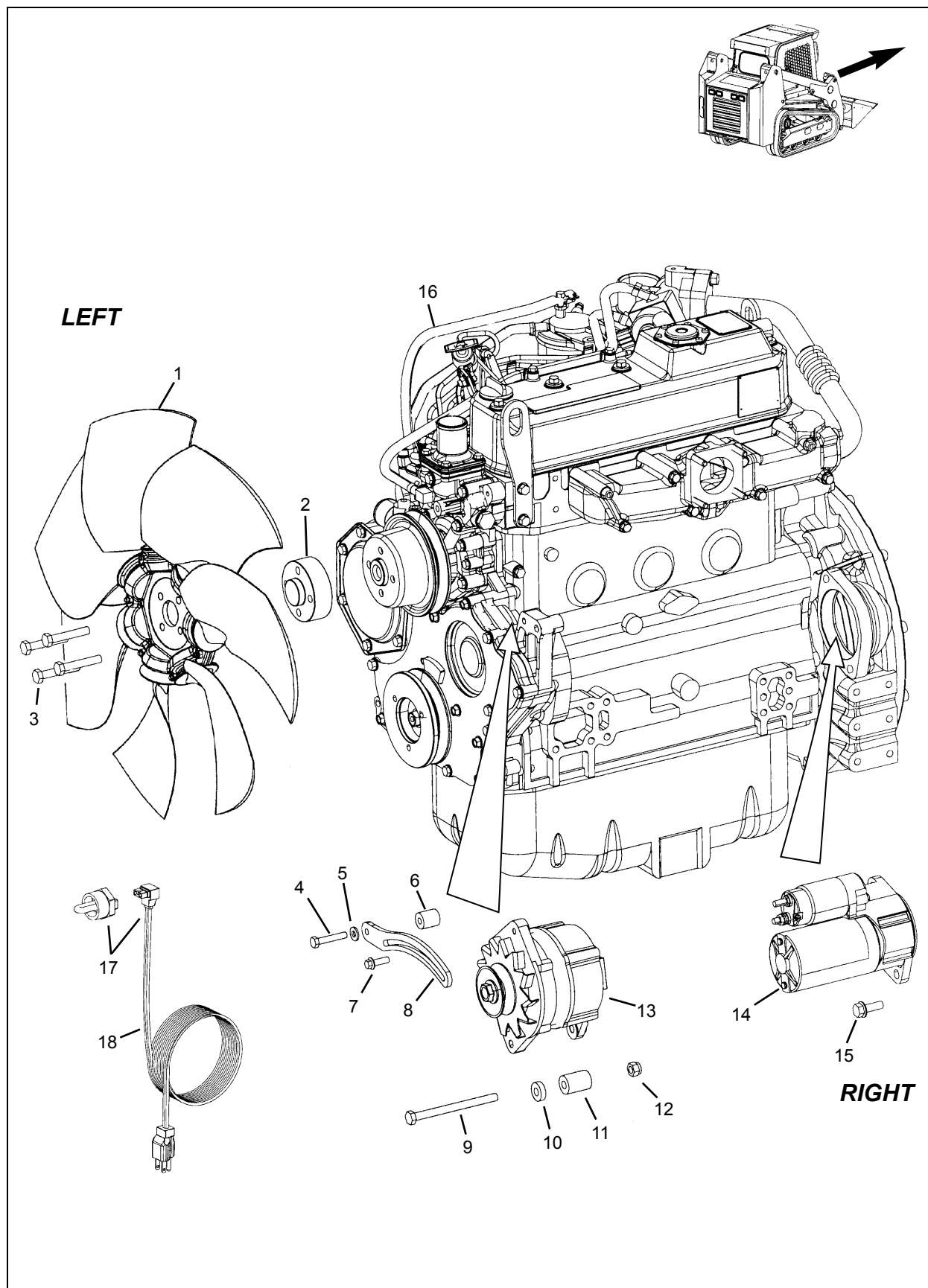


| Item No. | Part No. | Description                      | Qty. |
|----------|----------|----------------------------------|------|
| 01       | 275207   | WIRE HARNESS, ROPS               | 1    |
| 02       | 271756   | LIGHT, DOME                      | 1    |
| 03       | 275882   | BULB, 12 V                       | 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) | 2 AR |
| 13       | 50301002 | HARNESS, DOOR SWITCH JUMPER                       | 1    |

# RT175 - ENGINE

## EXTERNAL COMPONENTS - RIGHT SIDE



## RT175 - ENGINE EXTERNAL COMPONENTS - RIGHT SIDE

| Item<br>No. | Part No. | Description                      | Qty. |
|-------------|----------|----------------------------------|------|
| 01          |          | FAN, PUSHER                      | 1    |
|             | 275398   | <i>Standard (22-1/4")</i>        |      |
|             | 50301557 | <i>EU Machines (18")</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    |

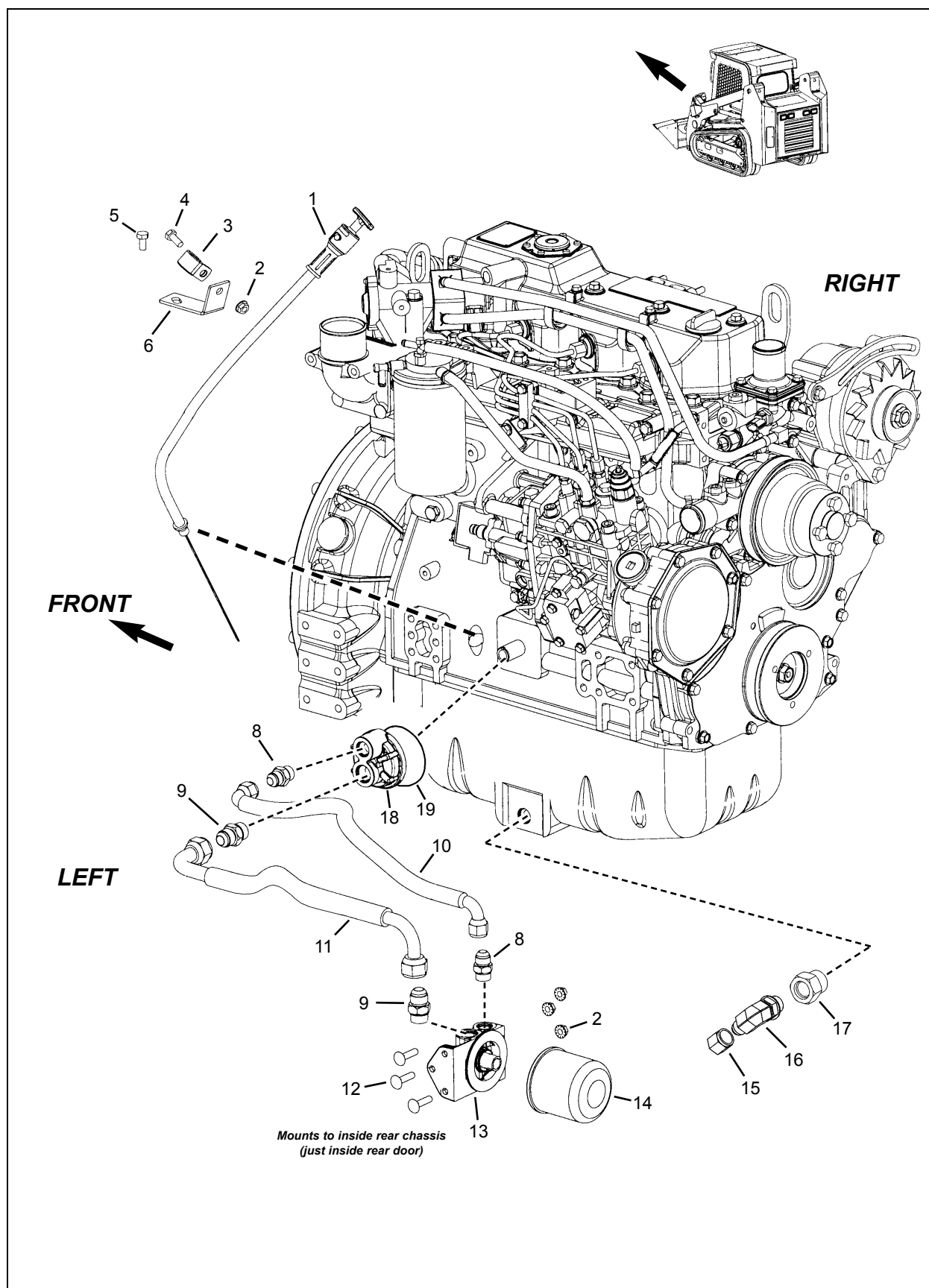
| Item<br>No. | Part No. | Description                                                                        | Qty. |
|-------------|----------|------------------------------------------------------------------------------------|------|
| 12          | 651448   | LN INS M10-1.5 C8 ZY DIN6924                                                       | 1    |
| 13          | 241459   | ALTERNATOR, ISKRA (95 AMP.)                                                        | 1    |
| 14          | 194316   | STARTER                                                                            | 1    |
| 15          | 188748   | CS M12 x 25                                                                        | 2    |
| 16          | 242474   | ENGINE, YANMAR 4TNV98-ZNMS<br><i>(does not include items 1-13).</i>                | 1    |
| 17          | 121480   | ENGINE BLOCK HEATER <i>(option)</i><br><i>(includes 5 ft. power cord—item #18)</i> | 1    |
| 18          | 121481   | CORD, HEATER <i>(included with #17)</i>                                            | 1    |



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

# RT175 - ENGINE

## EXTERNAL COMPONENTS - LEFT SIDE





## RT175 - ENGINE EXTERNAL COMPONENTS - LEFT SIDE

| Item<br>No. | Part No. | Description                                              | Qty. |
|-------------|----------|----------------------------------------------------------|------|
| 01          | 195221   | DIPSTICK ASSEMBLY<br><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<br>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    |

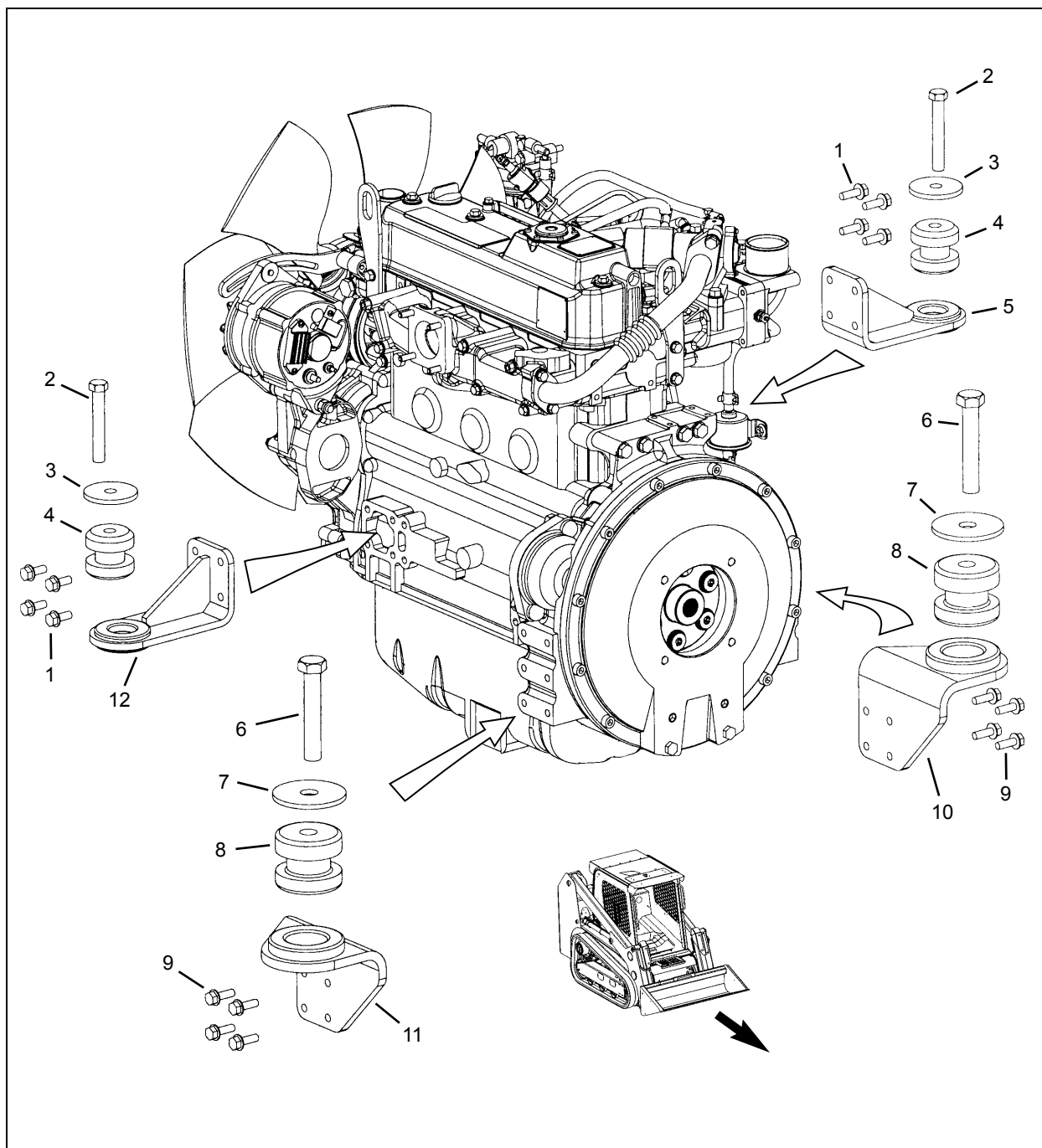
\* Items 15, 16, and 17 were introduced on later units for easier access when servicing the machine. These items can be installed on earlier units if desired.



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

# RT175 - 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    |

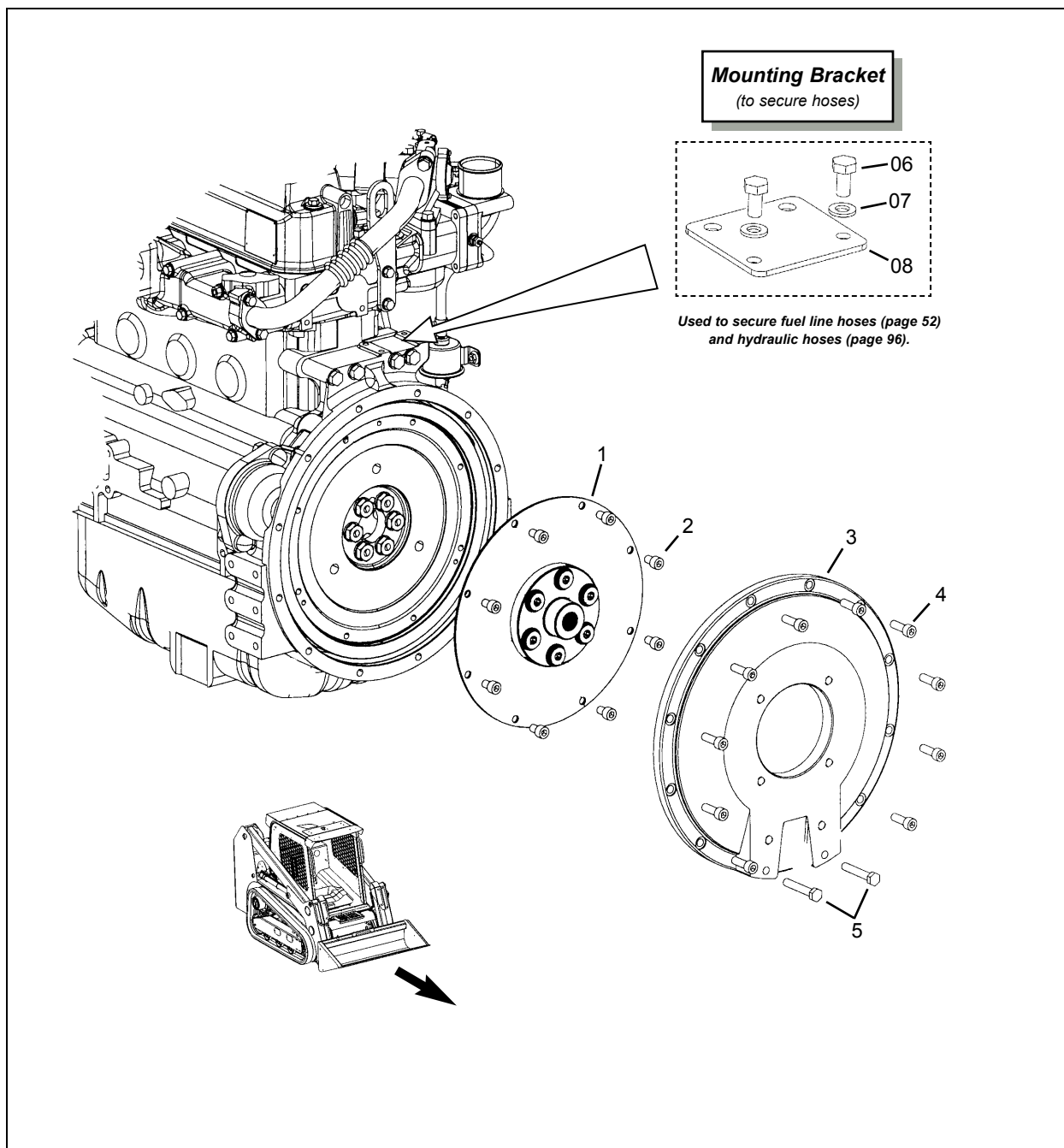
| Item No. | Part No. | Description                                  | Qty. |
|----------|----------|----------------------------------------------|------|
| 11       | 201385   | MOUNT, ENGINE (right front)                  | 1    |
| 12       | 201390   | MOUNT, ENGINE (right rear)                   | 1    |
|          | 50301756 | (Standard)<br>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.

# RT175 - ENGINE EXTERNAL COMPONENTS - FLYWHEEL HOUSING



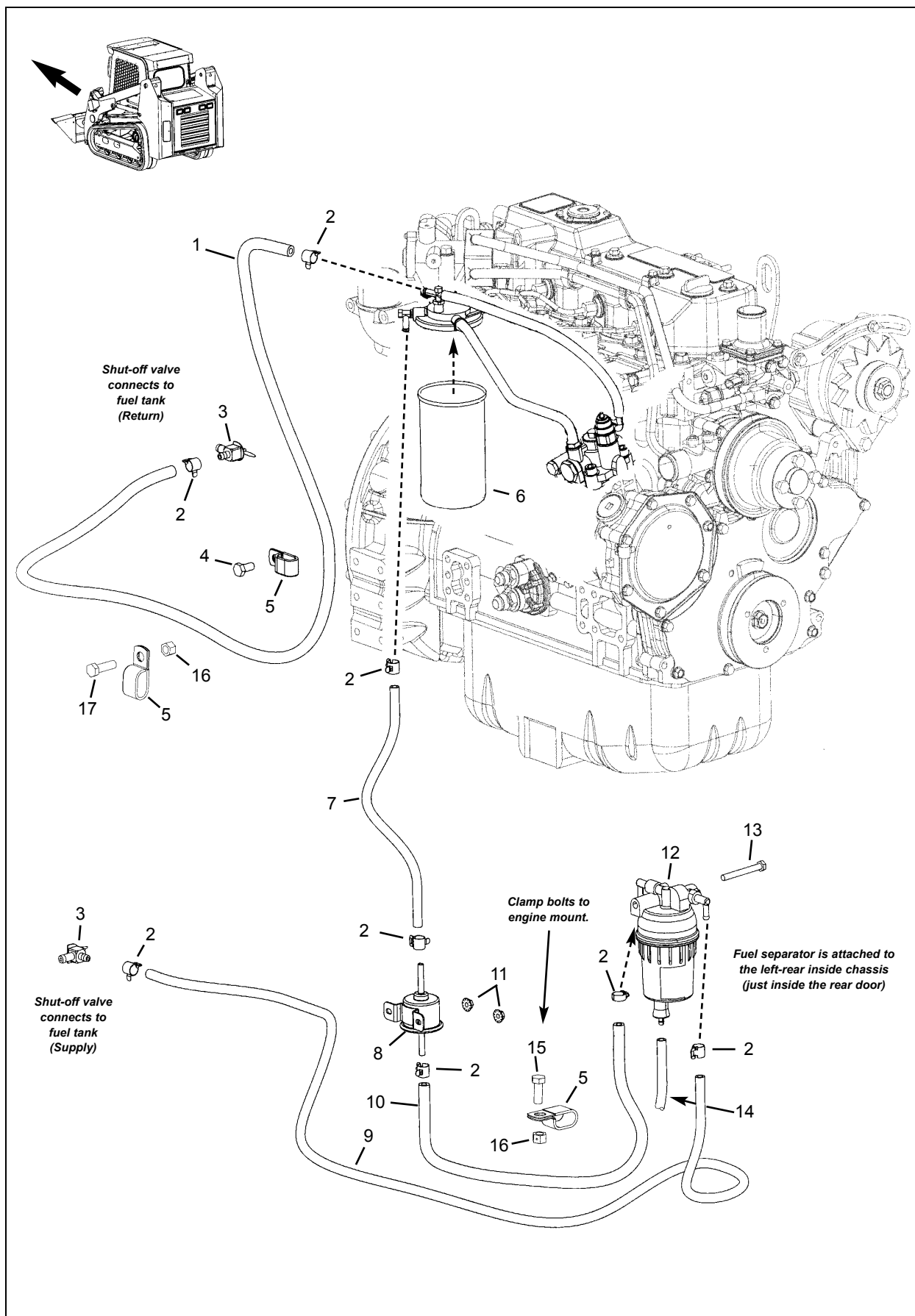
| Item No. | Part No. | Description                 | Qty. |
|----------|----------|-----------------------------|------|
| 01       | 192909   | COUPLER                     | 1    |
| 02       | 50280003 | SHCS M10-1.50x16 C12.9 P SP | 8    |
| 03       | 272248   | FLYWHEEL HOUSING            | 1    |
| 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.

# RT175 - ENGINE FUEL CIRCUIT



# RT175 - ENGINE FUEL CIRCUIT

| Item<br>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          | 070634   | LN LG FL SERR 1/4 CZ                       | 2    |

| Item<br>No. | Part No. | Description                         | Qty. |
|-------------|----------|-------------------------------------|------|
| 12          | 198139   | SEPARATOR, FUEL <i>(assembly)</i>   | 1    |
|             | 203822   | STRAINER/ELEMENT <i>(not shown)</i> | 1    |
| 13          | 650784   | CS 5/16 x 2-3/4 C5ZY                | 1    |
| 14          | 274735   | HOSE, FUEL 0.25 IN.                 | 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    |

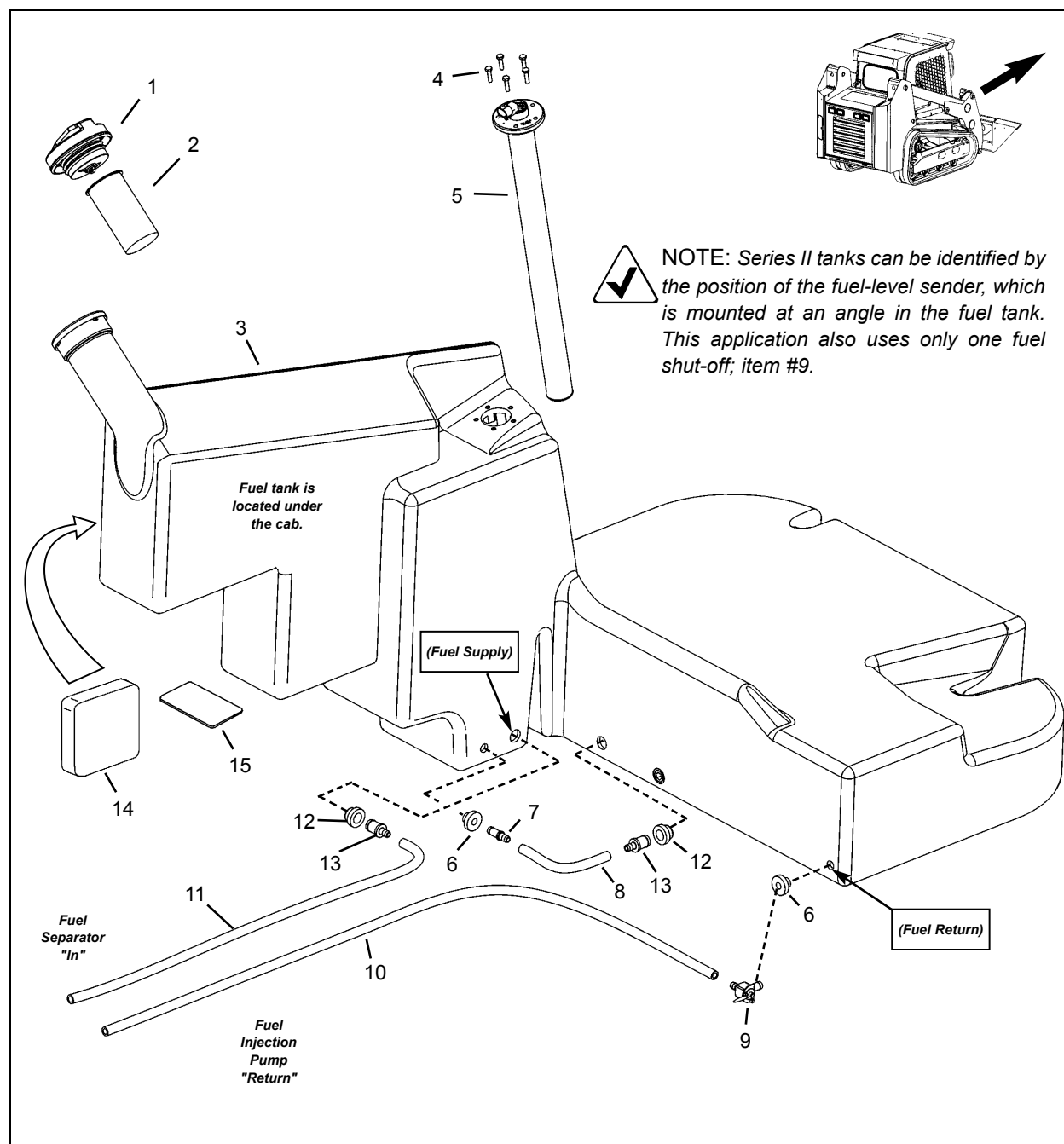


**NOTE:** Refer to the Engine Parts Manual (Form 917304) for a detailed listing of engine parts.

# RT175 - ENGINE

## FUEL TANK

(Series II)

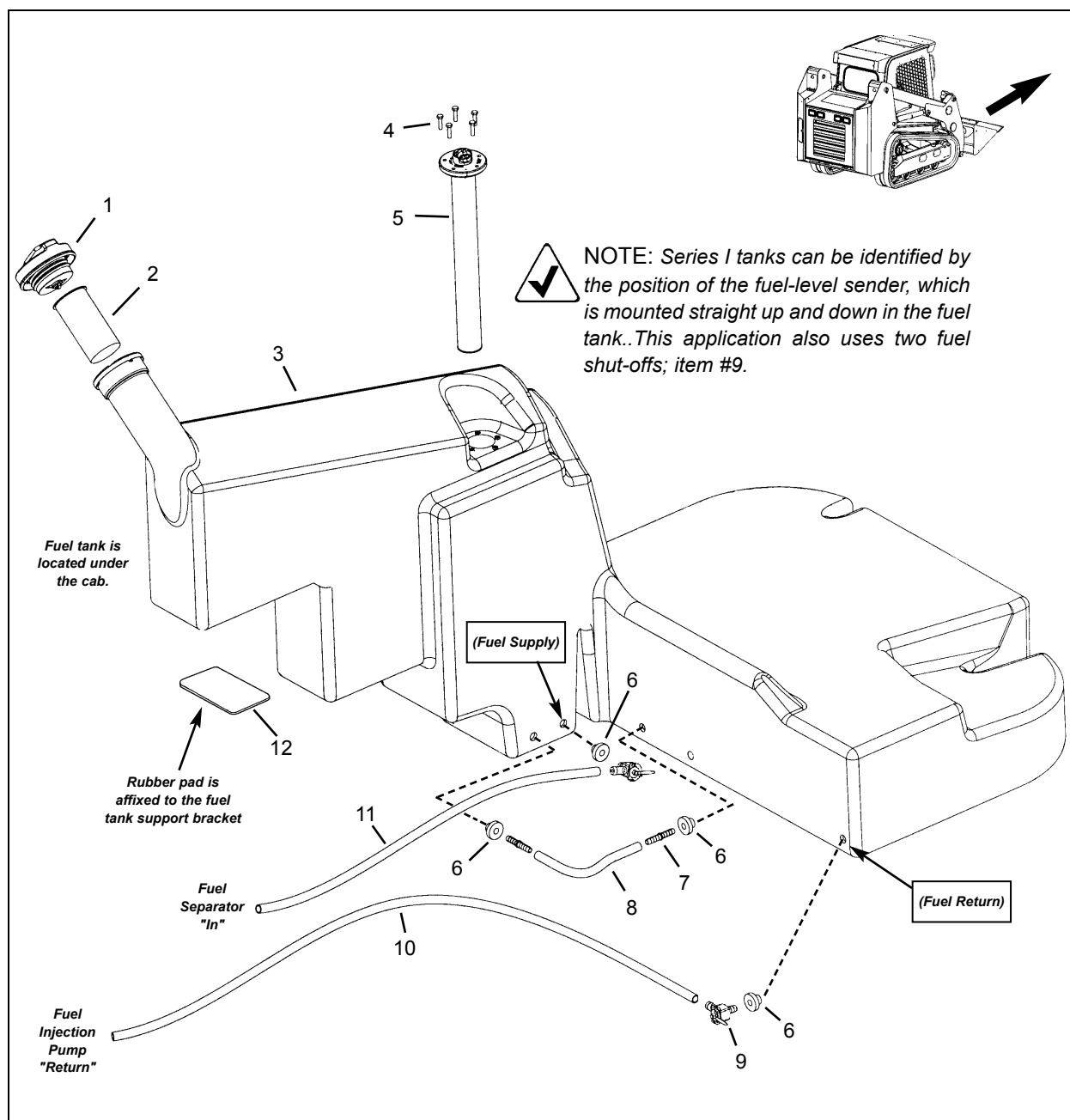


| Item No. | Part No. | Description                         | Qty. |
|----------|----------|-------------------------------------|------|
| 01       | 271468   | CAP, FUEL (does not include key)    | 1    |
|          | 50280186 | KEY, 8001 (14603) (not shown)       | 1    |
| 02       | 272426   | STRAINER, 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.

# RT175 - ENGINE FUEL TANK (Series I)



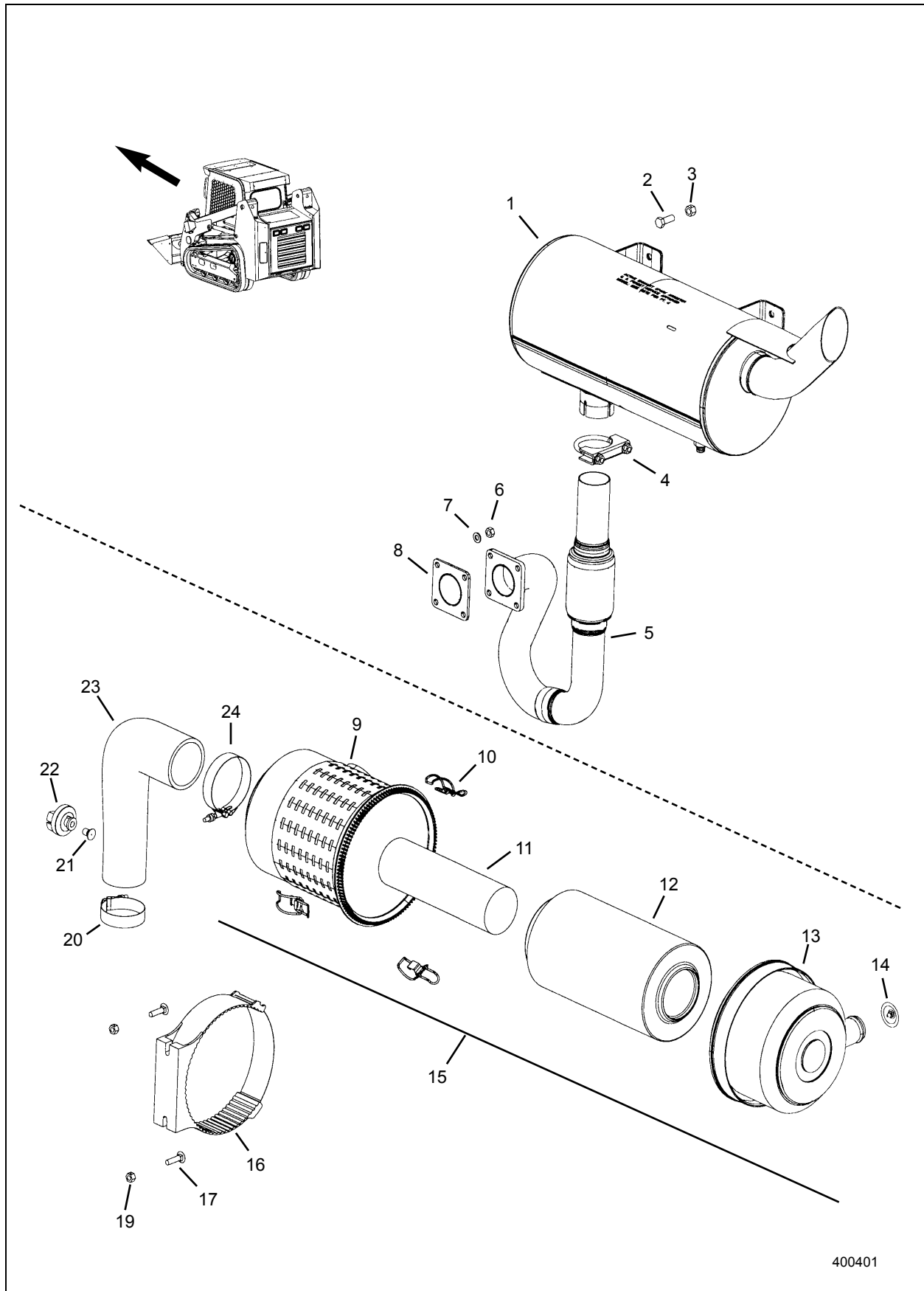
| Item No. | Part No. | Description                      | Qty. |
|----------|----------|----------------------------------|------|
| 01       | 271468   | CAP, FUEL (does not include key) | 1    |
|          | 50280186 | KEY, 8001 (14603) (not shown)    | 1    |
| 02       | 272426   | STRAINER, FUEL                   | 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.

# RT175 - ENGINE

## AIR INTAKE / EXHAUST



400401



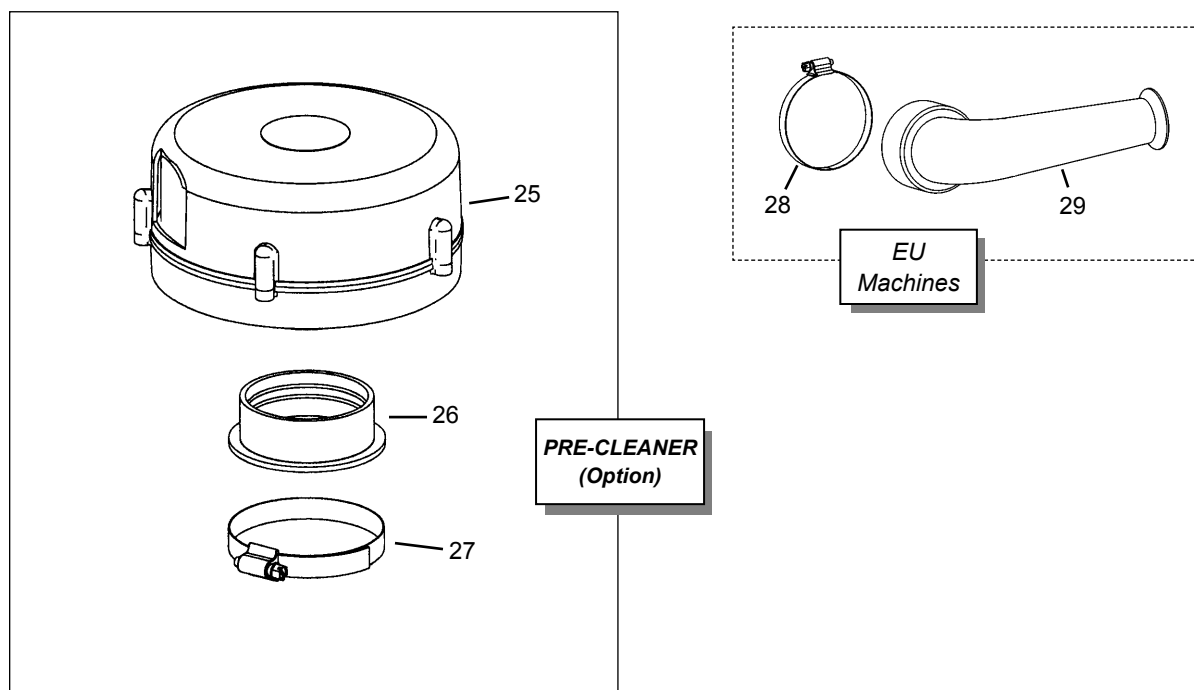
# RT175 - ENGINE AIR INTAKE / EXHAUST

| Item No. | Part No. | Description                                   | Qty. |
|----------|----------|-----------------------------------------------|------|
| 01       | 273122   | MUFFLER, SPARK ARRESTING                      | 1    |
| 02       | 650490   | CS 3/8 x 1 C5ZY                               | 4    |
| 03       | 071703   | LN CTR 3/8 CBZY                               | 4    |
| 04       | 078931   | CLAMP, MUFFLER 2.0 IN.                        | 1    |
| 05       | 273463   | PIPE, FLEX EXHAUST                            | 1    |
| 06       | 656048   | HN M8-1.25 C8 ZY DIN934                       | 4    |
| 07       | 656111   | FW M8 ZY DIN125                               | 4    |
| 08       | 138104   | GASKET, EXHAUST                               | 1    |
| 09       | NSS      | AIR CLEANER HOUSING                           | 1    |
| 10       | NSS      | CLIP, AIR CLEANER                             | 3    |
| 11       | 184195   | AIR FILTER                                    | 1    |
| 12       | 184146   | AIR FILTER                                    | 1    |
| 13       | 187726   | AIR CLEANER, END CAP<br>(includes item 10)    | 1    |
| 14       | 187725   | EVACUATOR VALVE                               | 1    |
| 15       | 186014   | AIR CLEANER ASSEMBLY<br>(includes items 9-14) | 1    |
| 16       | 183998   | CLAMP, AIR CLEANER                            | 1    |

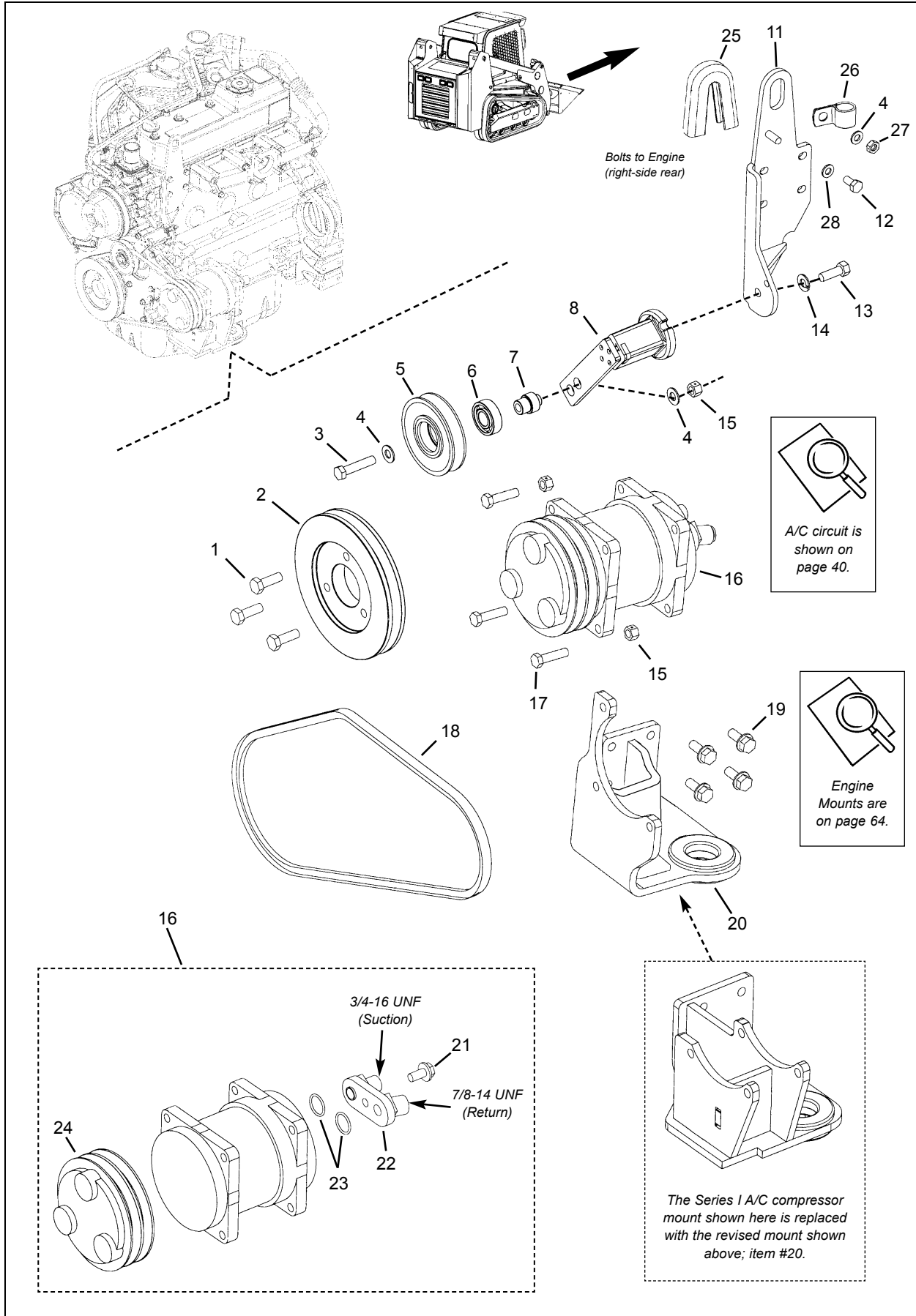
| Item No. | Part No.  | Description                                         | Qty. |
|----------|-----------|-----------------------------------------------------|------|
| 17       | 650745    | CB 5/16 x 1-1/4 C5ZY                                | 2    |
| 19       | 210-31017 | LN FL CTR 5/16 CFZY                                 | 2    |
| 20       | 273724    | CLAMP, T-BOLT 2.75 IN.                              | 1    |
| 21       | 272300    | FITTING, DIRT INDICATOR                             | 1    |
| 22       | 272299    | INDICATOR, SERVICE                                  | 1    |
| 23       | 272073    | HOSE, RUBBER - AIR INTAKE                           | 1    |
| 24       | 184605    | CLAMP, T-BOLT 3.50 IN.                              | 1    |
| 25       | 135335    | PRE-CLEANER (option) *<br>(includes clamp—item #27) | 1    |
| 26       | 190641    | ADAPTER, PRE-CLEANER *                              | 1    |
| 27       | 420-29434 | CLAMP, HOSE SAE #56 *<br>(included with item #25)   | 1    |
| 28       | 087849    | CLAMP, HOSE #52 (EU) **                             | 1    |
| 29       | 192848    | SOUND DIFFUSER (EU) **                              | 1    |

\* Optional air filter pre-cleaner—NOT to be used on EU machines.

\*\* Standard on EU machines.



## AIR CONDITIONING COMPRESSOR (OPTION)



## RT175 - ENGINE AIR CONDITIONING COMPRESSOR (OPTION)

| Item<br>No. | Part No. | Description                           | Qty. |
|-------------|----------|---------------------------------------|------|
| 01          | 176654   | CS FLH M10-1.5x30 C8.8 ZY D1665       | 3    |
| 02          | 241008   | PULLEY, CRANKSHAFT A/C                | 1    |
| 03          | 650579   | CS 3/8 x 1-3/4 C5ZY                   | 1    |
| 04          | 654049   | FW 3/8 ANZY                           | AR   |
| 05          | 139952   | PULLEY w/BEARING <i>(includes #6)</i> | 1    |
| 06          | NSS      | BEARING <i>(included with item 5)</i> | 1    |
| 07          | 241385   | SPACER, PULLEY                        | 1    |
| 08          | 241010   | TENSIONER                             | 1    |
| 11          | 271615   | TENSIONER MOUNT                       | 1    |
| 12          | 176658   | CS FLH M8-1.25x16 C8.8ZY SP           | 4    |
| 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    |

| Item<br>No.                  | Part No. | Description                        | Qty. |
|------------------------------|----------|------------------------------------|------|
| 24                           | 139288   | CLUTCH, A/C COMPRESSOR             | 1    |
| 25                           | 50300380 | TRIM, 0.25-.050 x 6IN.             | 1    |
| 26                           | 184560   | HOSE, CLAMP 0.94x0.53              | 1    |
| 27                           | 071703   | LN CTR 3/8 CBZY                    | 1    |
| 28                           | 656111   | FW M8 ZY DIN125 <i>(not shown)</i> | 4    |
| <b>-- ITEMS NOT SHOWN --</b> |          |                                    |      |
| --                           | 195106   | CABLE TIE, 0.50 x 20.10 BLACK ***  | 1    |

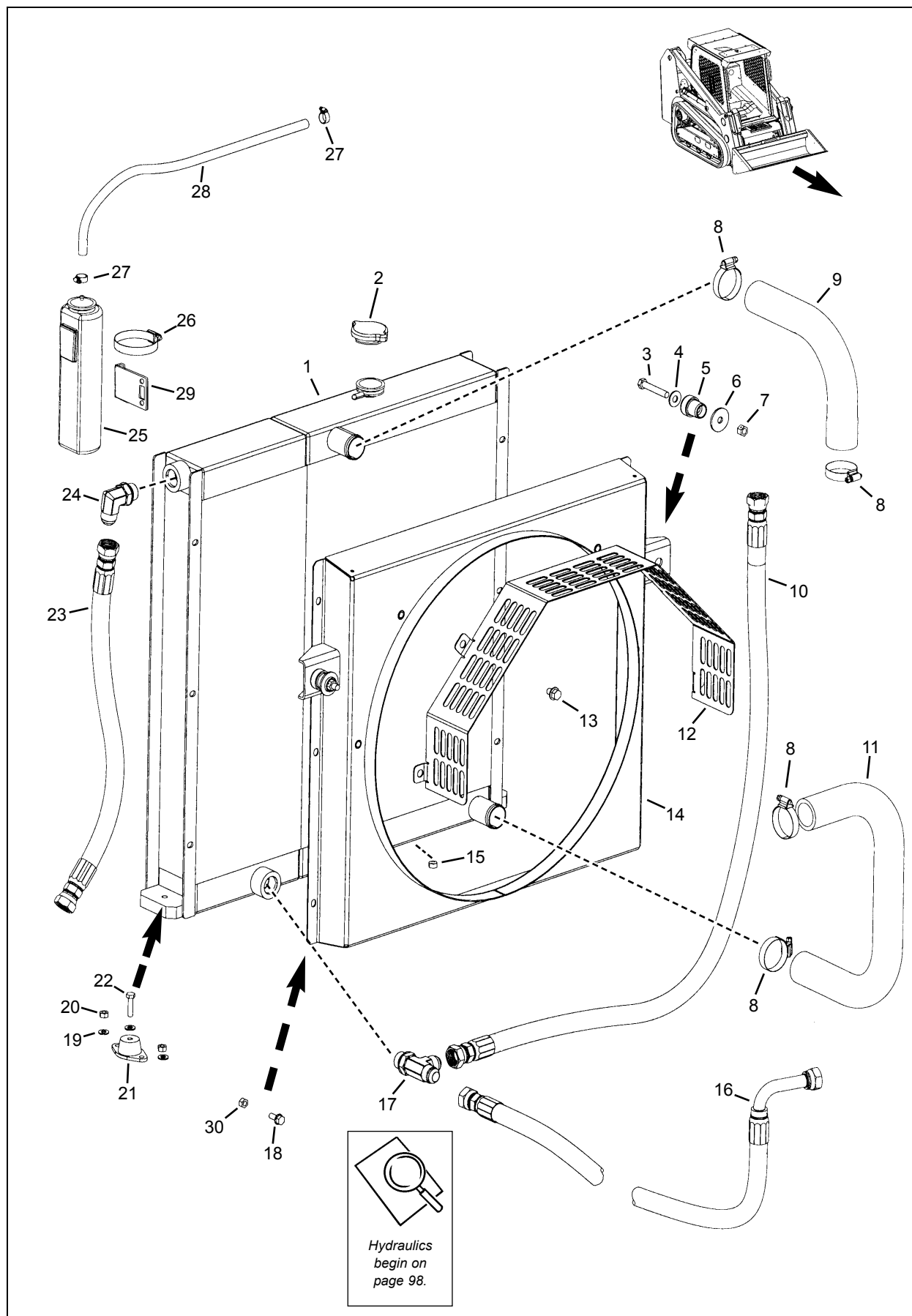
\* *Included with item 8.*

\*\* *Used in place of standard engine mount (PN 201390).*

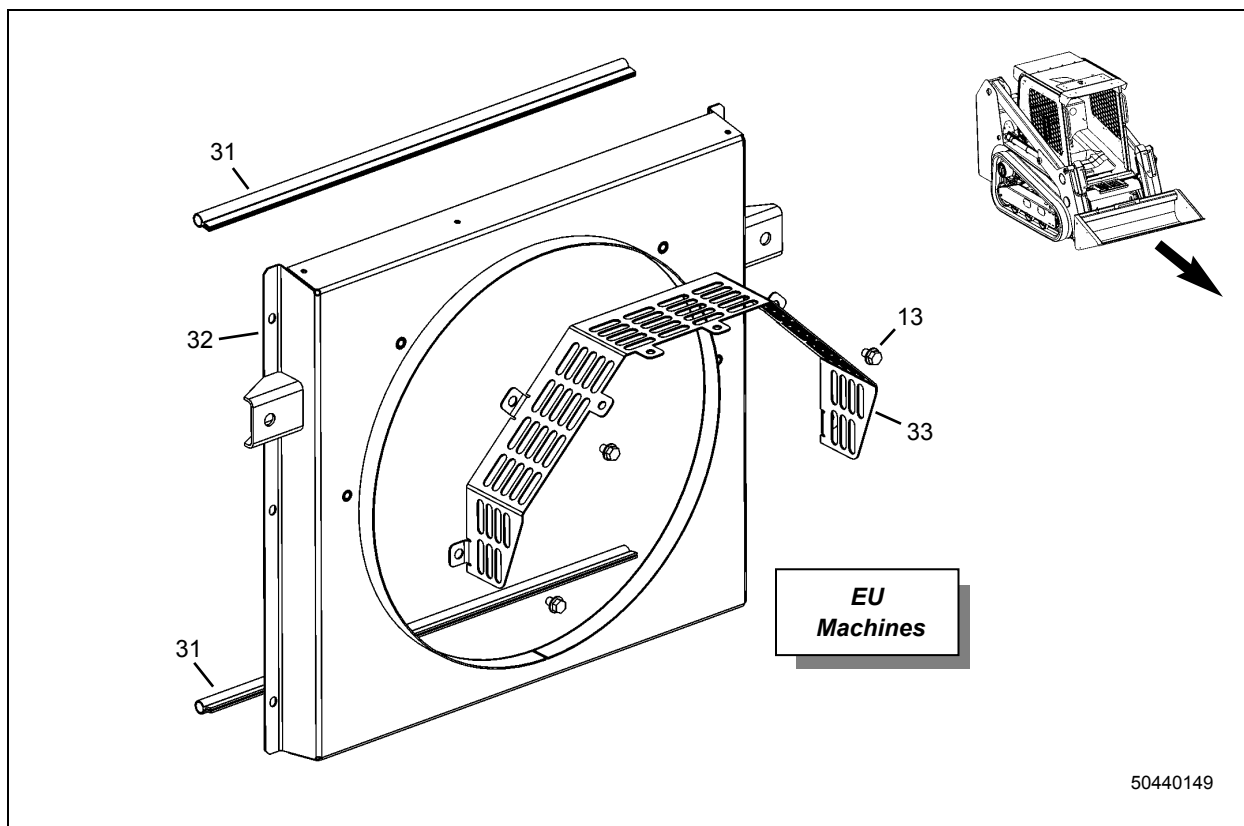
\*\*\* *The cable tie wraps around, and secures, the four (right-side lift arm) hydraulic hoses near the A/C compressor pulley—to prevent the A/C compressor pulley from damaging the hoses.*

# RT175 - ENGINE / HYDRAULICS

## RADIATOR / HYDRAULIC COOLER



# RT175 - ENGINE / HYDRAULICS RADIATOR / HYDRAULIC COOLER



| Item No. | Part No.  | Description                                               | Qty. |
|----------|-----------|-----------------------------------------------------------|------|
| 01       | 273771    | COOLER (radiator / hydraulic cooler)<br>(includes item 2) | 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 (rubber)                                  | 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, MP 12 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   |

| Item No. | Part No.  | Description              | Qty. |
|----------|-----------|--------------------------|------|
| 21       | 270238    | MOUNT, RADIATOR          | 2    |
| 22       | 650545    | CS 5/16 x 1-1/4 C5ZY     | 2    |
| 23       | 272052    | HOSE, MP 12 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       | 50301558  | FAN SHROUD (EU) **       | 1    |
| 33       | 50300970  | FAN GUARD (EU) **        | 1    |

\* Not used on EU machines.

\*\* Used on EU machines.

## HOSE CONNECTION:

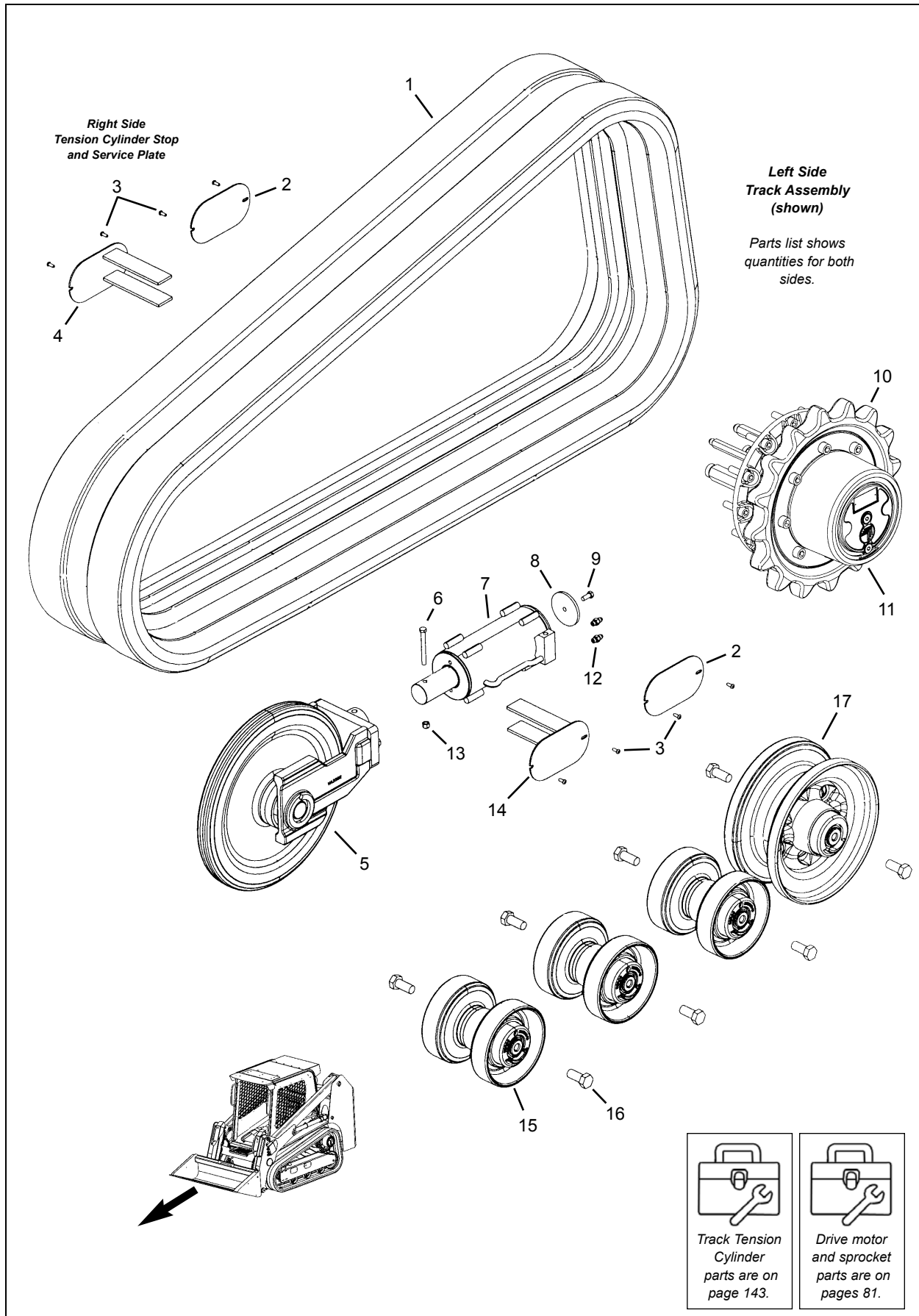
#10 connects to hydraulic filter

#16 connects to Hydrostatic Drive Pump (upper front port)

#23 connects to hydraulic tank (RETURN)

# RT175 - TRACKS

## TRACK ASSEMBLY



# RT175 - TRACKS

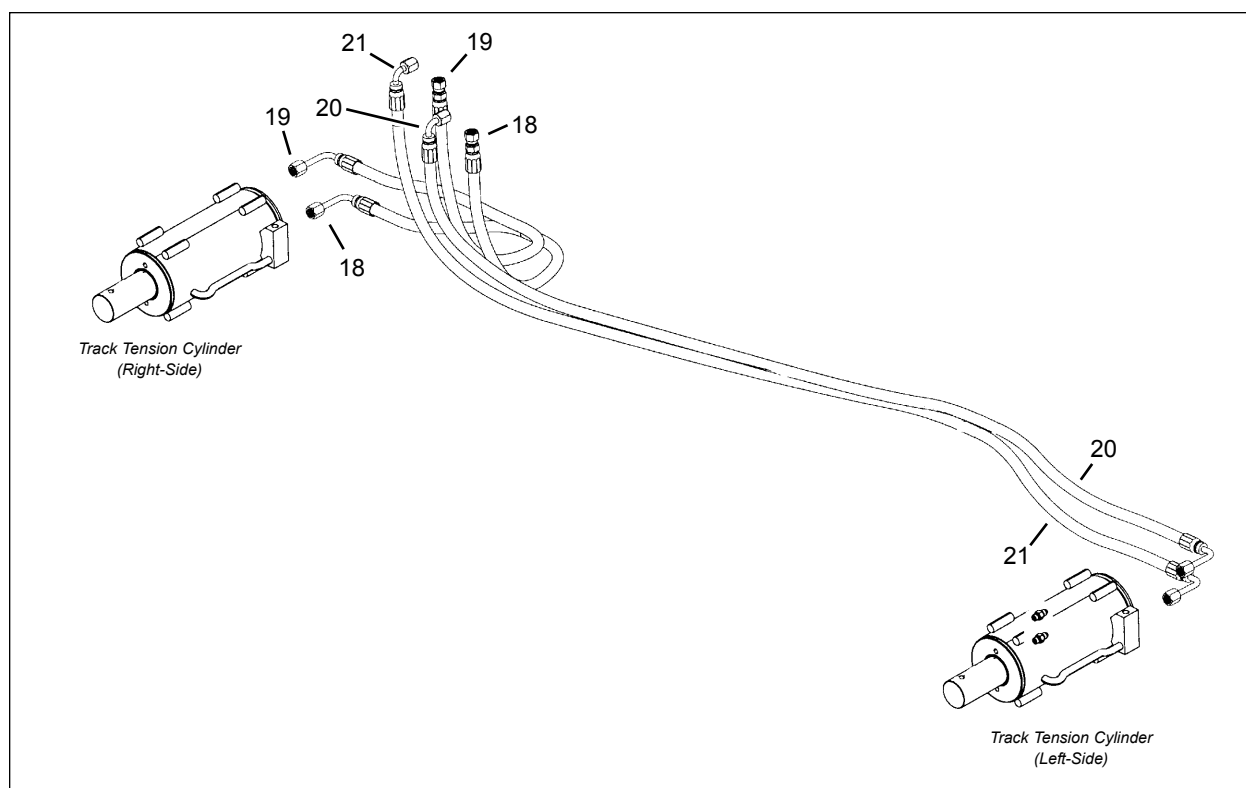
## TRACK ASSEMBLY

| Item No.                                                         | Part No. | Description                            | Qty. |
|------------------------------------------------------------------|----------|----------------------------------------|------|
| <b>NOTE:</b> Quantities shown are for both sides of the machine. |          |                                        |      |
| 01                                                               | 275037   | TRACK 320 x 86 x 54                    | 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 SP                  | 2    |
| 10                                                               | 270322   | SPROCKET, DRIVE *                      | 2    |

| Item No. | Part No.  | Description                           | Qty. |
|----------|-----------|---------------------------------------|------|
| 11       | 273269    | MOTOR, DRIVE 1049cc 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            | 6    |
| 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    |

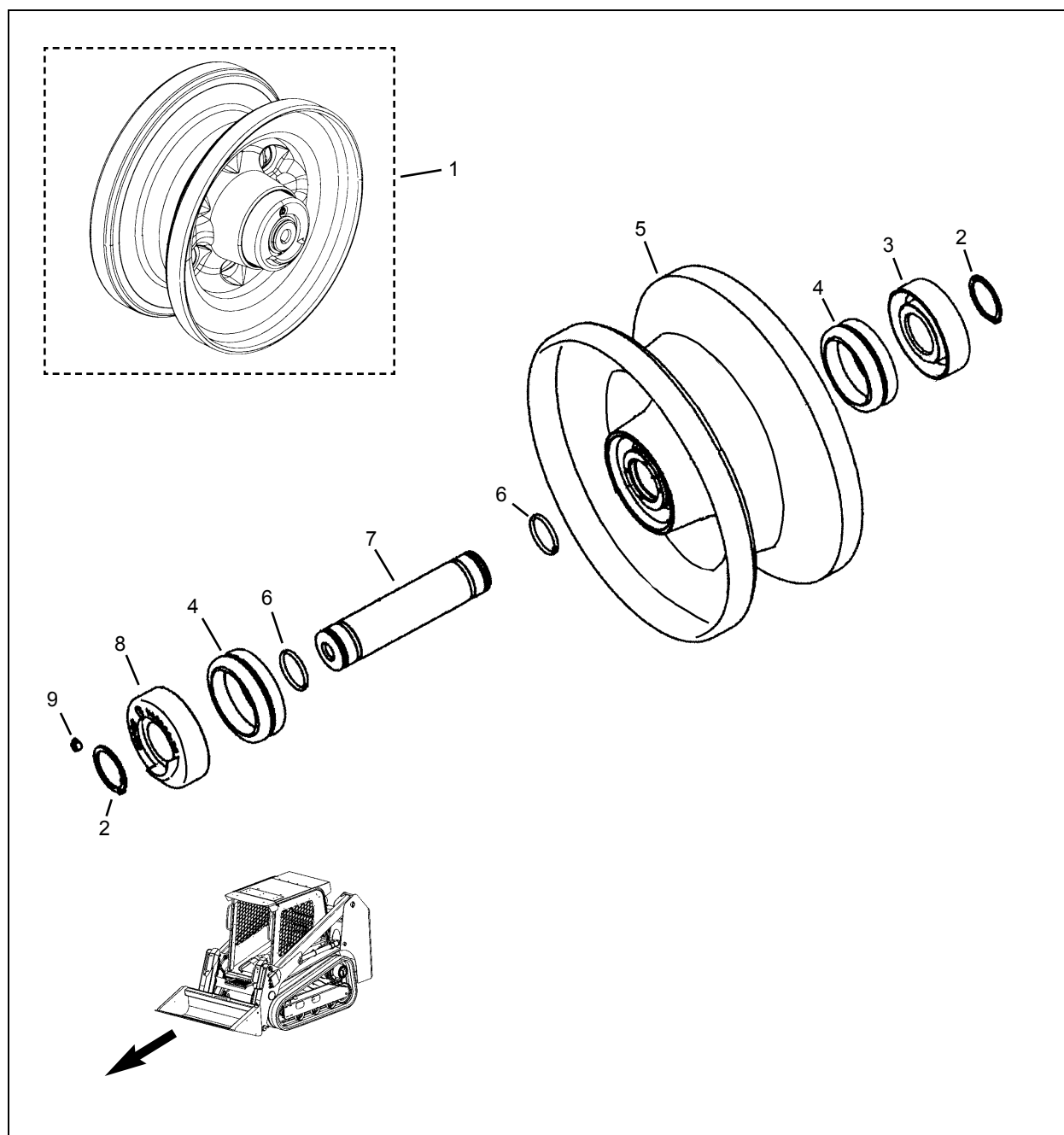


**NOTE:** The following four pages contain detailed component information for the bogie wheels, front and rear idlers, and the track drive motors and sprockets.



# RT175 - TRACKS

## DUAL-FLANGE IDLER ASSEMBLY



| Item No. | Part No. | Description                                               | Qty. |
|----------|----------|-----------------------------------------------------------|------|
| 01       | 275574   | IDLER, DUAL-FLANGE ASSEMBLY<br>(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    |

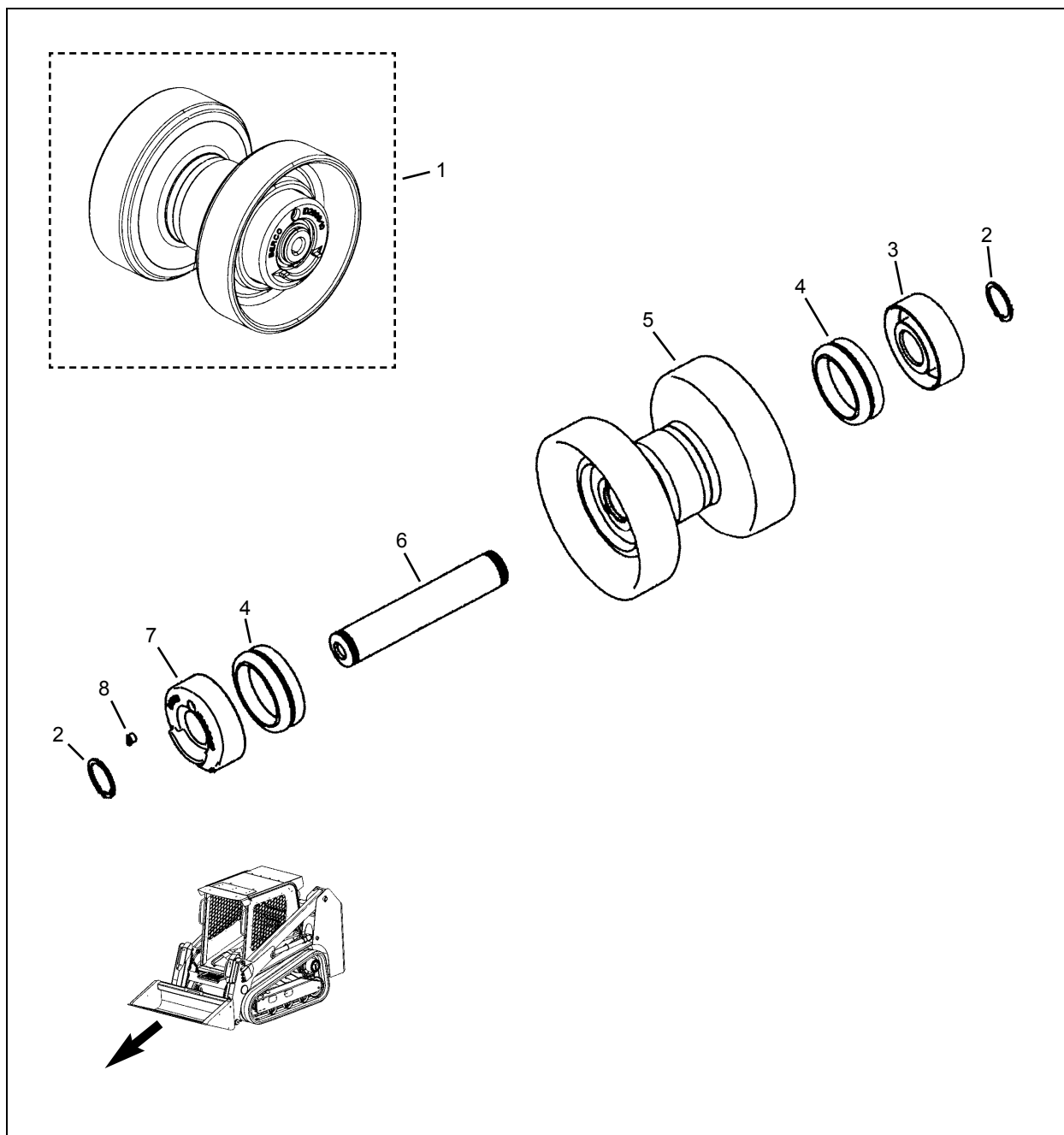


**NOTE:** Quantities shown are for one dual-flange idler assembly. When ordering parts, be aware that the machine uses two dual-flange idler assemblies, one for each side.



# RT175 - TRACKS

## DUAL-FLANGE BOGIE WHEEL ASSEMBLY



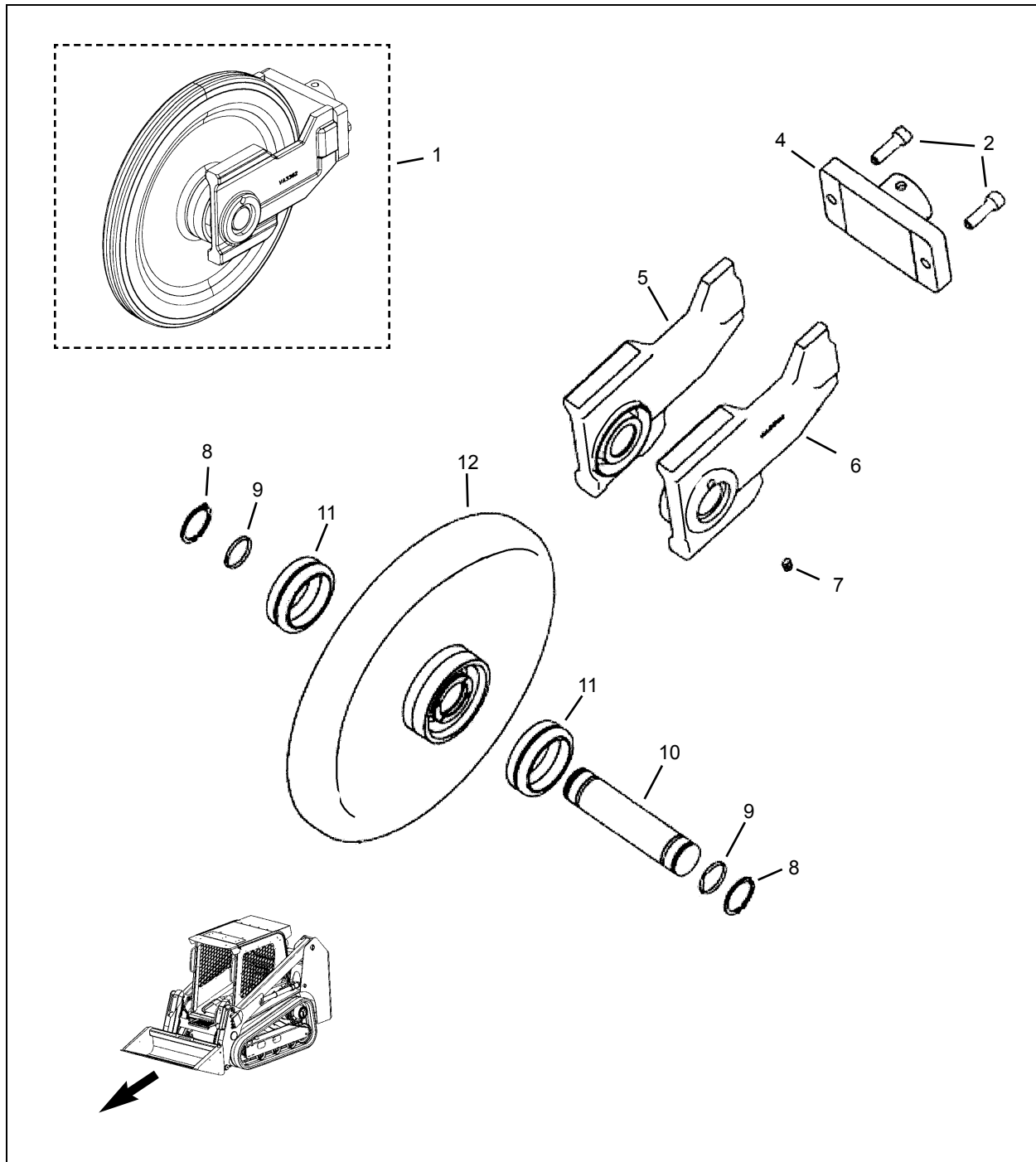
| Item |          |                                                               |      |
|------|----------|---------------------------------------------------------------|------|
| No.  | Part No. | Description                                                   | Qty. |
| 01   | 271020   | WHEEL, DUAL-FLANGE BOGIE ASY. 1<br>(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 six dual-flange bogie wheel assemblies, three on each side.

# RT175 - TRACKS

## FRONT IDLER ASSEMBLY



| Item No. | Part No. | Description                                        | Qty. |
|----------|----------|----------------------------------------------------|------|
| 01       | 271005   | FRONT IDLER ASSEMBLY<br>(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    |

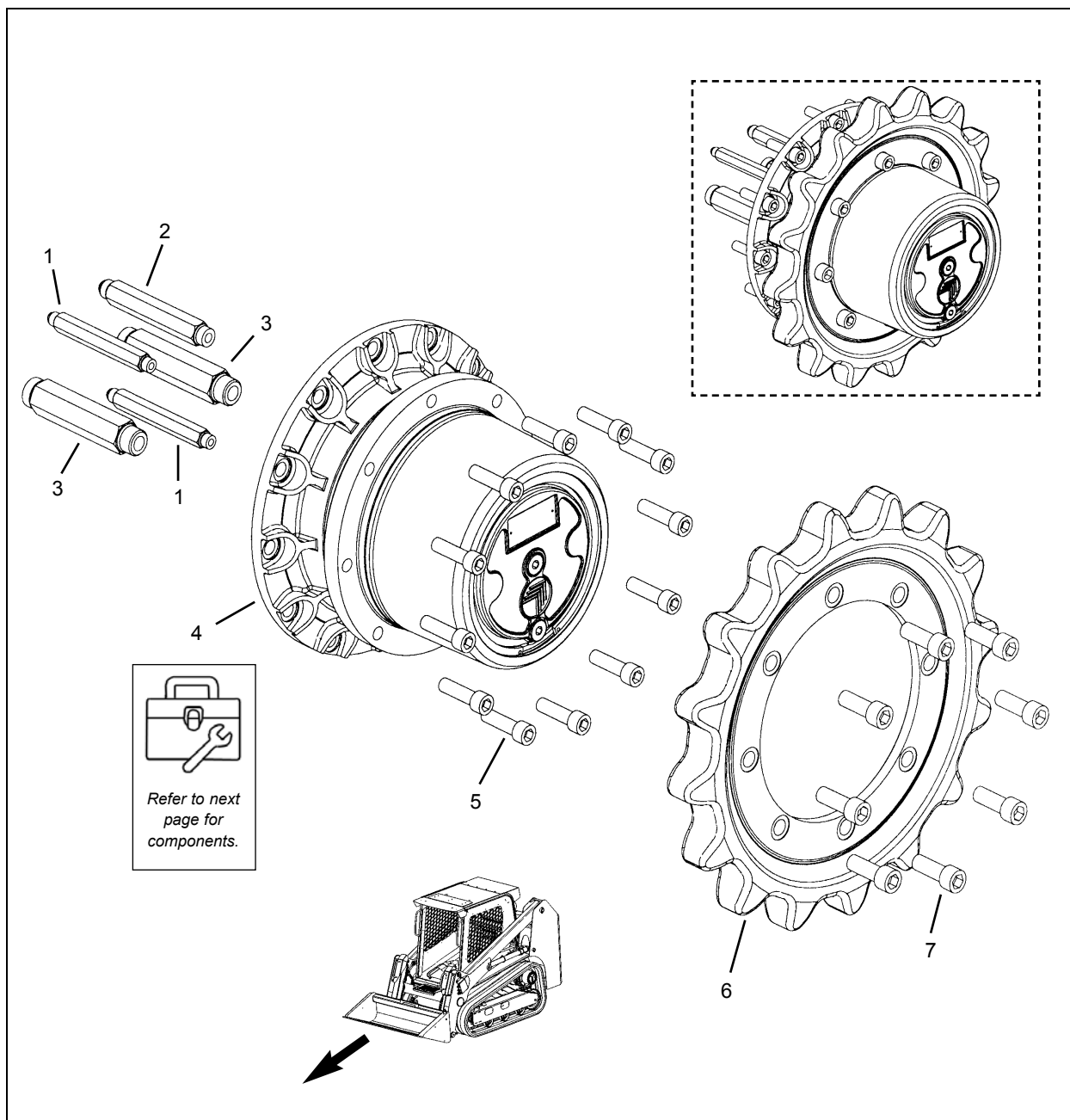
| Item No. | Part No. | Description           | Qty. |
|----------|----------|-----------------------|------|
| 09       | 50280166 | O-RING                | 2    |
| 10       | 50280168 | SHAFT                 | 1    |
| 11       | 50280155 | SEAL GROUP            | 2    |
| 12       | 50280167 | IDLER 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.

# RT175 - 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)<br>(Flat face side of fitting) |      |
| 04 <sup>a</sup> | 273269   | MOTOR, DRIVE 1049cc 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.

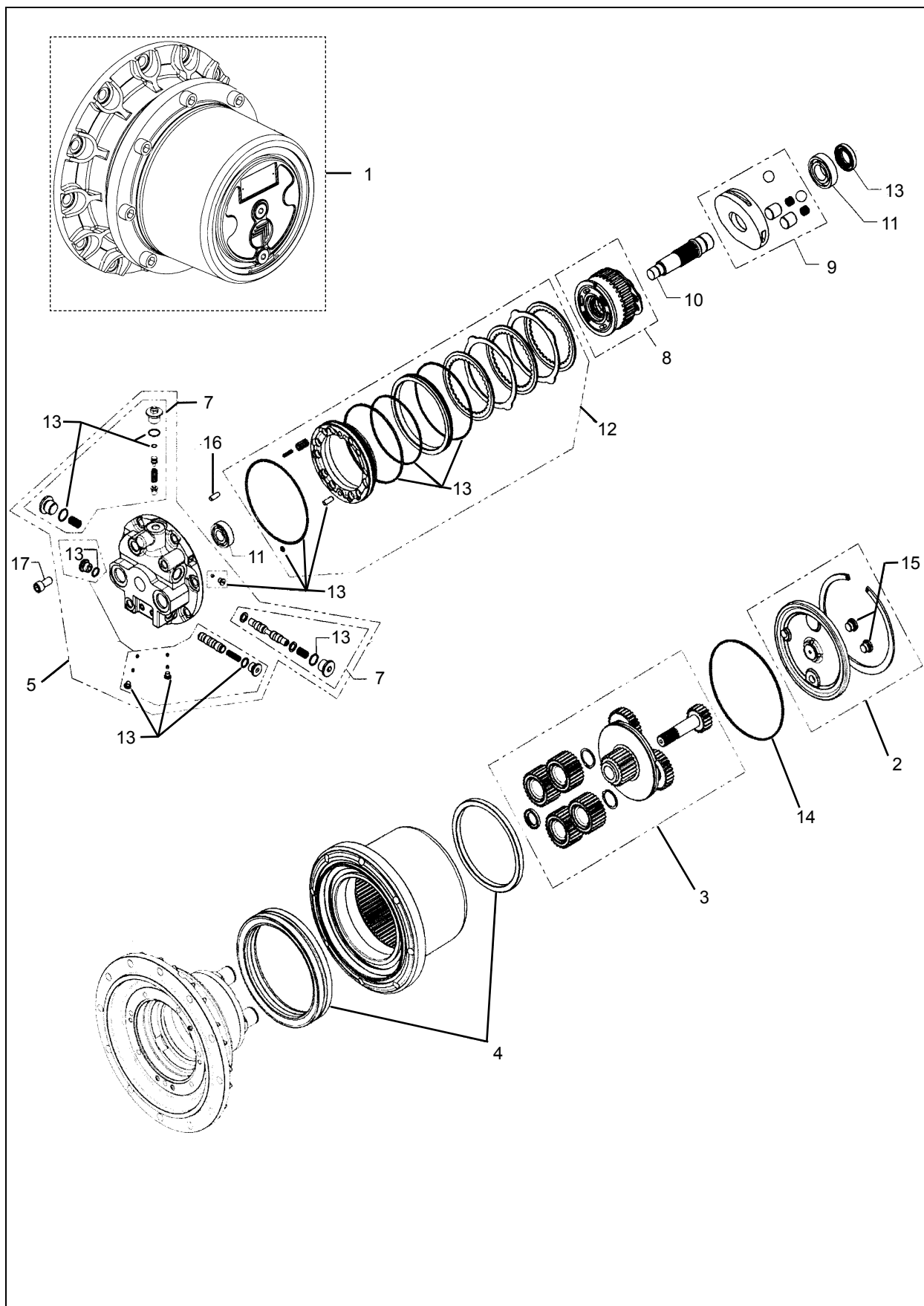


**NOTE:** Track drive hydraulic circuit begins on page 110.

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

# RT175 - TRACKS

## TRACK DRIVE MOTOR COMPONENTS



## RT175 - TRACKS

### TRACK DRIVE MOTOR COMPONENTS

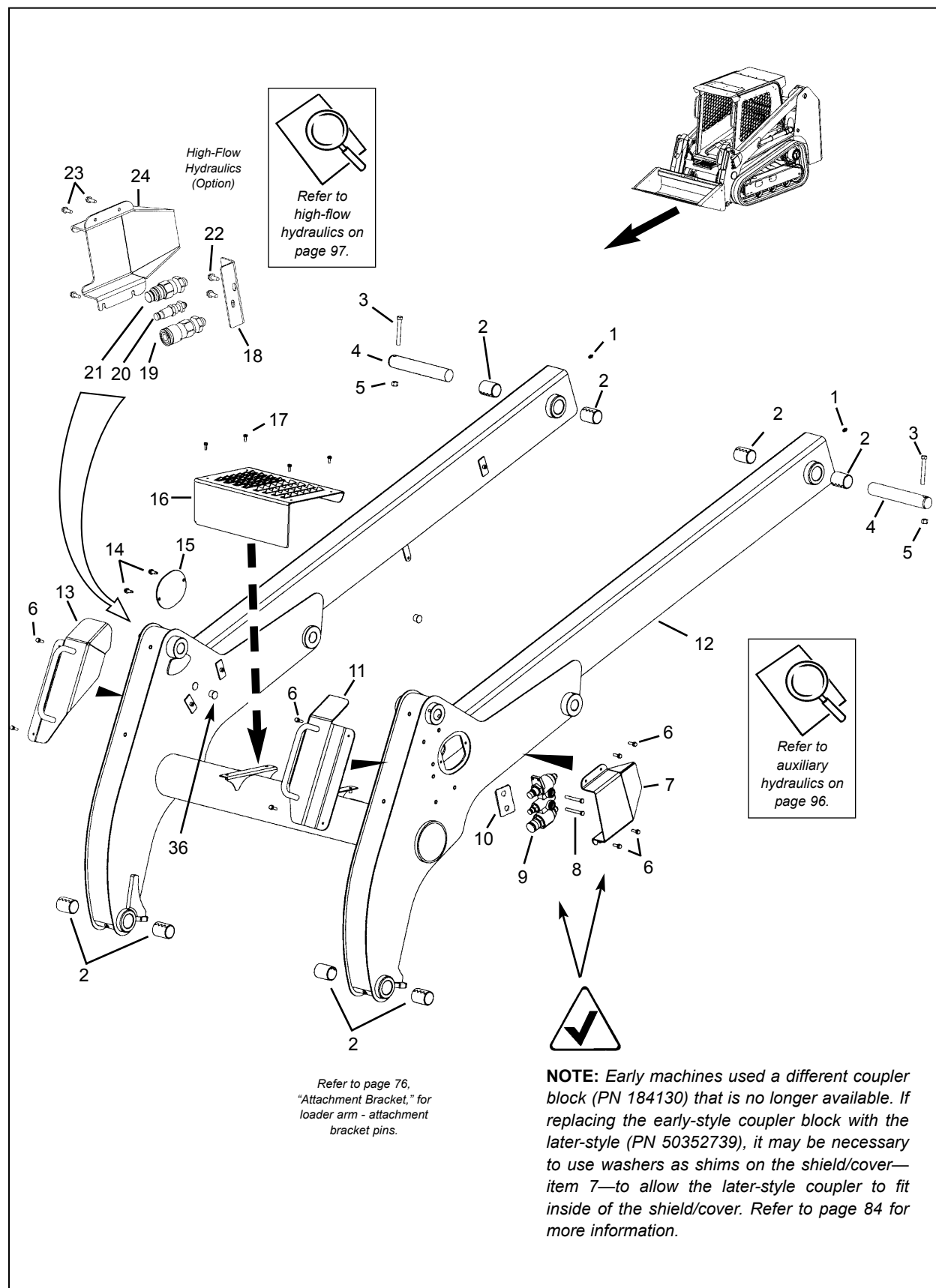
| Item No. | Part No. | Description                                                       | Qty. |
|----------|----------|-------------------------------------------------------------------|------|
| 01       | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><i>(includes all items shown)</i> | 1    |
| 02       | 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       | 50280133 | SWASH PLATE KIT                                                   | 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.

# RT175 - LOADER ARM BOLT-ON COMPONENTS



# RT175 - LOADER ARM BOLT-ON COMPONENTS

| Item No.        | Part No. | Description                   | Qty. |
|-----------------|----------|-------------------------------|------|
| 01              | 570002   | FITTING, GREASE 1/8 PTF       | 2    |
| 02              | 273677   | BUSHING, SPRING *             | 8    |
| 03              | 650744   | CS 1/2 x 4 C5ZY               | 2    |
| 04              | 273849   | 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/COVER                  | 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 <sup>c</sup> | 50302598 | WELDMENT, LOADER ARM          | 1    |
| 13              | 272759   | WELDMENT, HANDLE - (RIGHT)    | 1    |
| 14              | 650934   | THWH TC USL 3/8 x 1 CZY       | 1    |
| 15              | 273739   | 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 <sup>b</sup> | 273035   | STOPPER, RUBBER               | 1    |
| 27 <sup>b</sup> | 274430   | WELDMENT, SAFETY BAR ***      | 1    |
| 28 <sup>b</sup> | 650448   | CS 1/4 x 3/4 C5ZY             | 2    |
| 29 <sup>b</sup> | 272736   | PLATE                         | 1    |
| 30 <sup>b</sup> | 071700   | LN 1/4 CBZY                   | 2    |
| 31 <sup>b</sup> | 274656   | CHAIN SASH                    | 1    |
| 32 <sup>b</sup> | 274390   | PIN                           | 1    |
| 33 <sup>b</sup> | 655006   | COTTER PIN 1/8 x 1 Z          | 1    |

| Item No.        | Part No. | Description                    | Qty. |
|-----------------|----------|--------------------------------|------|
| 34 <sup>b</sup> | 50300090 | BUMPER, RUBBER                 | 1    |
| 35 <sup>b</sup> | 50300546 | SPACER                         | 1    |
| 36 <sup>b</sup> | 243009   | GROMMET 0.69 x 0.25 x 1.0 PLUG | 2    |
| 40 <sup>a</sup> | 50302600 | CHANNEL (safety bar) ***       | 1    |
| 41 <sup>a</sup> | 50302169 | KNOB                           | 1    |
|                 | 071703   | LN CTR 3/8 CBZY (not shown)    | 1    |
| 42 <sup>a</sup> | 650663   | CS 1/4" x 5/8" C5ZY            | 2    |
| 43 <sup>a</sup> | 50301796 | ISOLATOR 0.75" x 1" RUBBER     | 3    |
| 44 <sup>a</sup> | 50302541 | TETHER                         | 1    |
| 45 <sup>a</sup> | 071700   | LN 1/4" CZY                    | 1    |
| 46 <sup>a</sup> | 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.

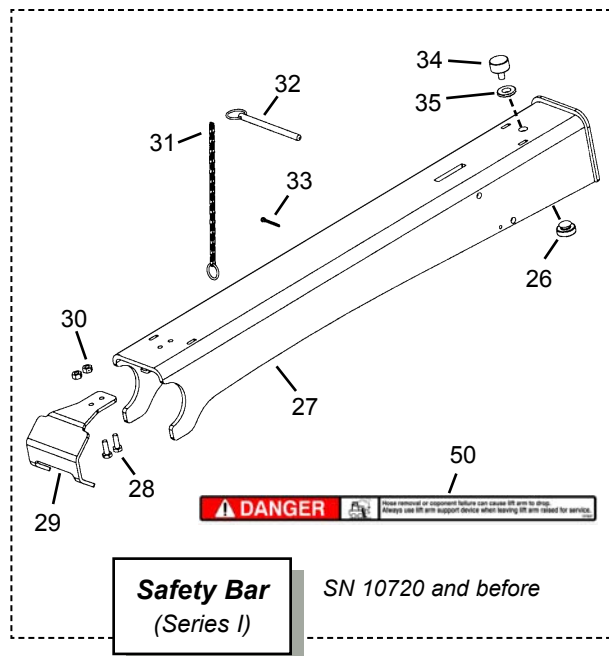
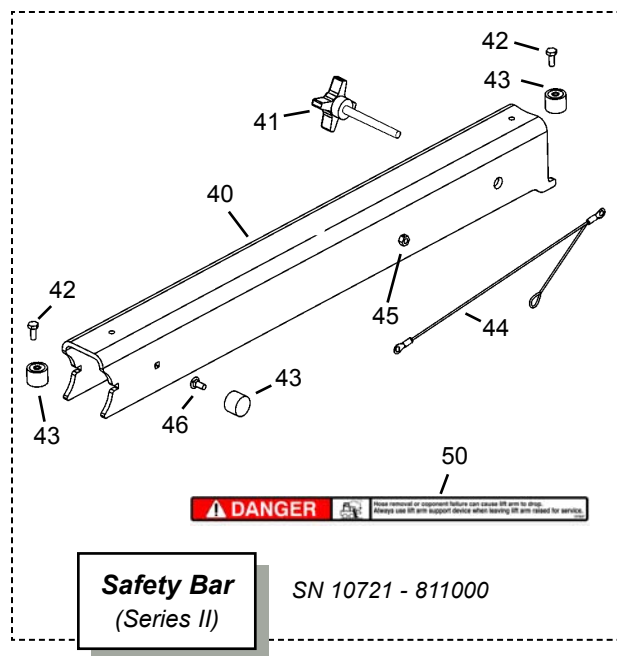
\*\*\* **IMPORTANT:** When ordering this part, be sure to also order and affix the warning decal (137637) as shown in the illustration on 126; item 8.

a SN 10721 - 811000; Series II safety bar

b SN 10720 and before; Series I safety bar.

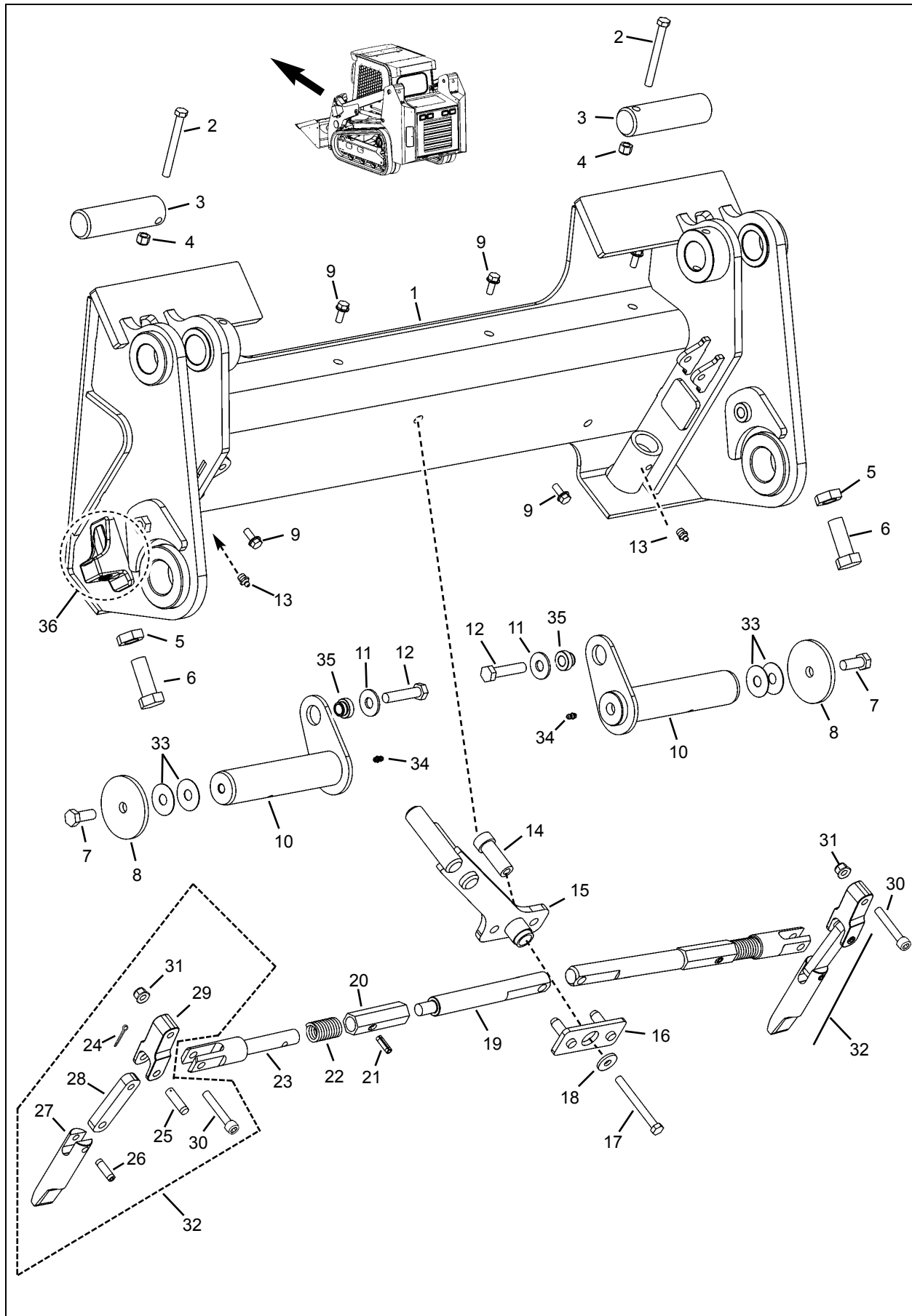
c **IMPORTANT:** If replacing the lift arm, be sure that the proper safety bar fits the lift arm. The "early-style" and "Series II" safety bars are not interchangeable. Be sure to order items 40-46 and decal item 50 when ordering a new lift arm.

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



# RT175 - LOADER ARM

## ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET

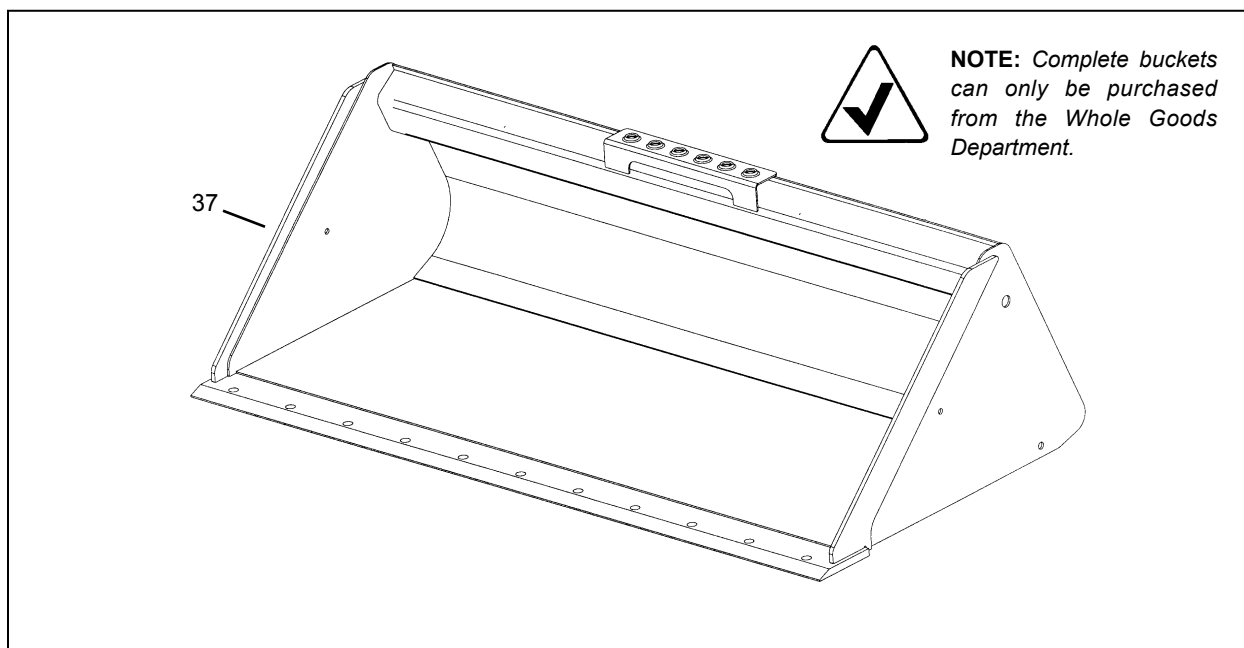




# RT175 - LOADER ARM

## ATTACHMENT BRACKET - MANUAL (STANDARD) / BUCKET

| Item No. | Part No. | Description                                                     | Qty. | Item No. | Part No.  | Description                                                        | Qty. |
|----------|----------|-----------------------------------------------------------------|------|----------|-----------|--------------------------------------------------------------------|------|
| 01       | 274521   | WELDMENT, QUICK ATTACH<br><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<br><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><br><i>(Included with item #1)</i> | 2    |

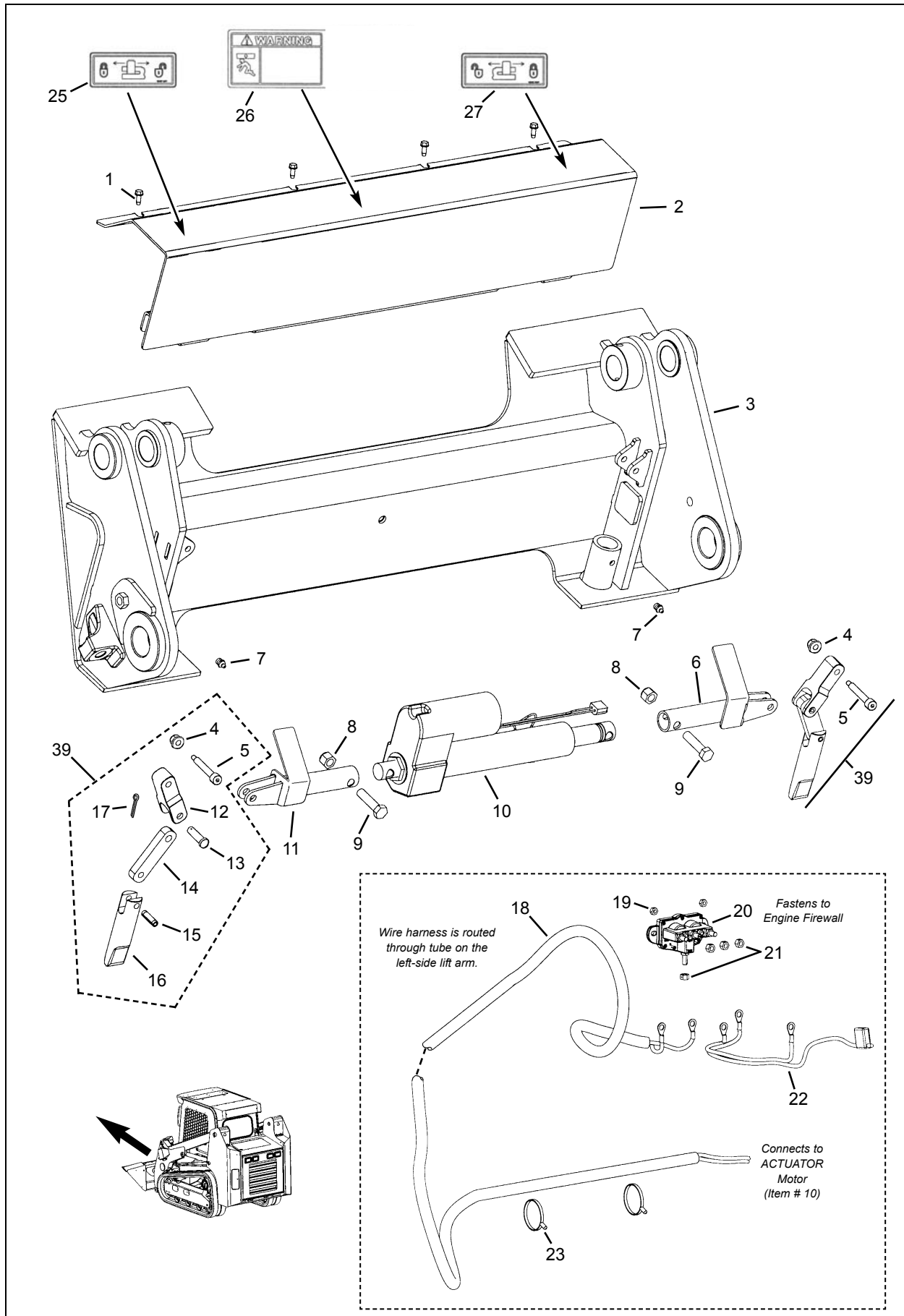


| Item No. | Part No. | Description                  | Qty. |
|----------|----------|------------------------------|------|
| 37       | NSS      | BUCKET, 66 D/C 14.3 CU. YD.  | 1    |
|          | 192132   | CUTTING EDGE, BOLT ON 66 IN. | 1    |
|          | 653026   | HN 3/4 C2ZY                  | 11   |
|          | 651351   | PLOW BOLT 3/4 x 2-1/2 C8     | 11   |

*The cutting edge and hardware are optional and are not included with the bucket.*

# RT175 - LOADER ARM

## ATTACHMENT BRACKET - POWER ALL-TACH<sup>®</sup> (OPTION)



# RT175 - LOADER ARM

## ATTACHMENT BRACKET - POWER ALL-TACH<sup>®</sup> (OPTION)

| Item No. | Part No.  | Description                               | Qty. |
|----------|-----------|-------------------------------------------|------|
| 01       | 081380    | CS FL LOCK 5/16 x 3/4 C5ZY                | 6    |
| 02       | 275523    | COVER                                     | 1    |
| 03       | 274521    | WELDMENT, QUICK ATTACH **                 | 1    |
| 04       | 210-31017 | LN FL CTR 5/16" CFZY                      | 2    |
| 05       | 50302097  | SHOULDER BOLT 3/8"x1-3/4" *               | 2    |
| 06       | 275798    | WELDMENT, EXT. LINK ( <i>right</i> )      | 1    |
| 07       | 570002    | FITTING, GREASE 1/8 PTF                   | 2    |
| 08       | 068034    | HLN INST 1/2 CZY                          | 2    |
| 09       | 650585    | CS 1/2 x 2 C5ZY                           | 2    |
| 10       | 50300054  | ACTUATOR, MOTOR LINEAR                    | 1    |
| 11       | 275797    | WELDMENT, EXT. LINK ( <i>left</i> )       | 1    |
| 12       | 137169    | LATCH LINK *                              | 1    |
| 13       | 50350090  | PIN, CLEVIS 7/16"x1-5/8" ZY *             | 1    |
| 14       | 137168    | PIN LINK *                                | 1    |
| 15       | 137386    | PIN *                                     | 1    |
| 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    |

| Item No.                                  | Part No. | Description                      | Qty. |
|-------------------------------------------|----------|----------------------------------|------|
| 26                                        | 50354117 | DECAL, ATTACHMENT BRACKET        | 1    |
| 27                                        | 139109   | DECAL, LATCHING ( <i>right</i> ) | 1    |
| 28                                        | 276045   | TUBE, POWER QUICK ATTACH         | 1    |
| 29                                        | 087852   | CLAMP, HOSE #06                  | 2    |
| 30                                        | 128007   | CLAMP, HOSE 0.62" x 0.41"        | 2    |
| 31                                        | 650486   | CS 5/16 x 1-1/2 C5ZY             | 1    |
| 32                                        | 071701   | LN 5/16 CBZY                     | 1    |
| 33                                        | 102524   | CLAMP, TUBE 1.00"                | 2    |
| 34                                        | 102525   | PLATE, TOP SINGLE SIZE 3         | 2    |
| 35                                        | 650588   | CS 1/4 x 1-1/2 C5ZY              | 4    |
| 36                                        | 190950   | CLAMP, TUBE 1.0 IN. TWIN ***     | 2    |
| 37                                        | L69833   | PLATE, TOP SIZE 2 TWIN ***       | 2    |
| 38                                        | 650692   | CS 5/16 x 1-3/4 C5ZY             | 2    |
| 39                                        | 270064   | QUICK ATTACH PIN ASSEMBLY        | 2    |
| ( <i>includes items 4, 5, and 12-17</i> ) |          |                                  |      |

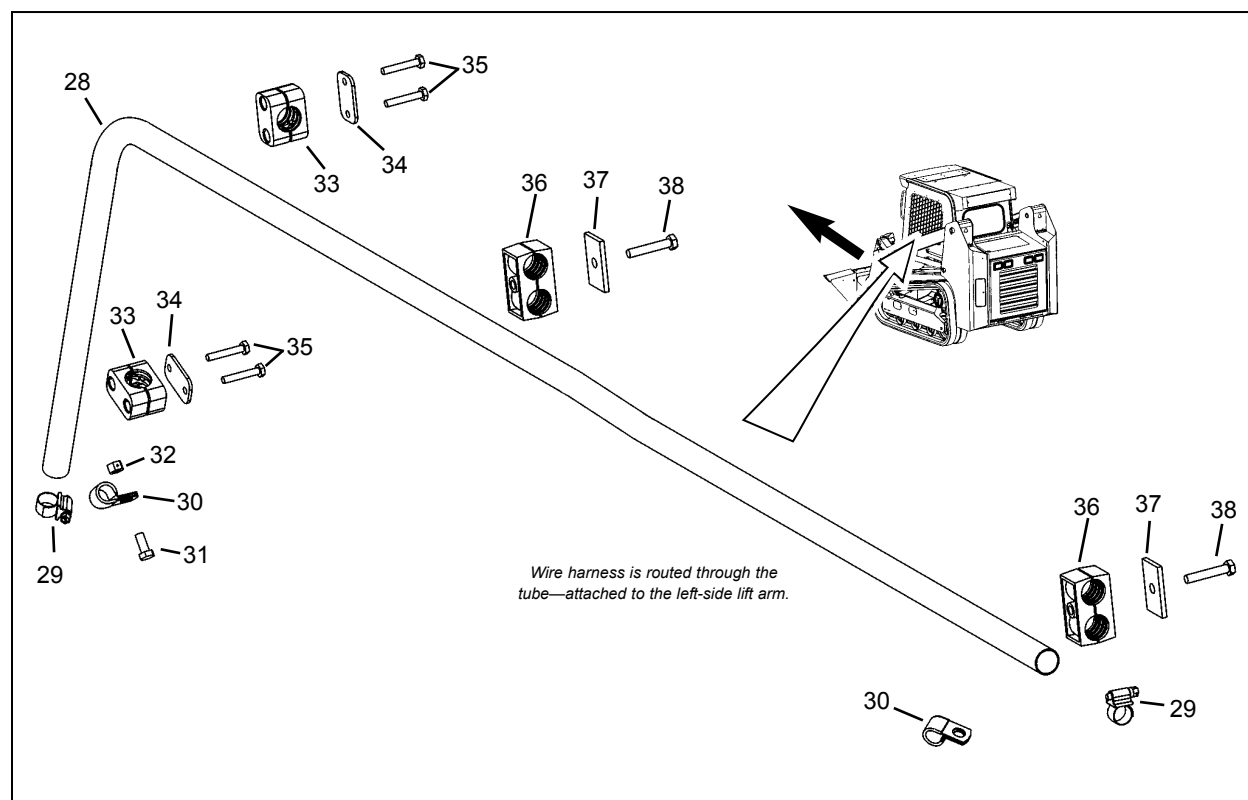
### -- ITEMS NOT SHOWN --

|    |        |                         |    |
|----|--------|-------------------------|----|
| -- | 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.

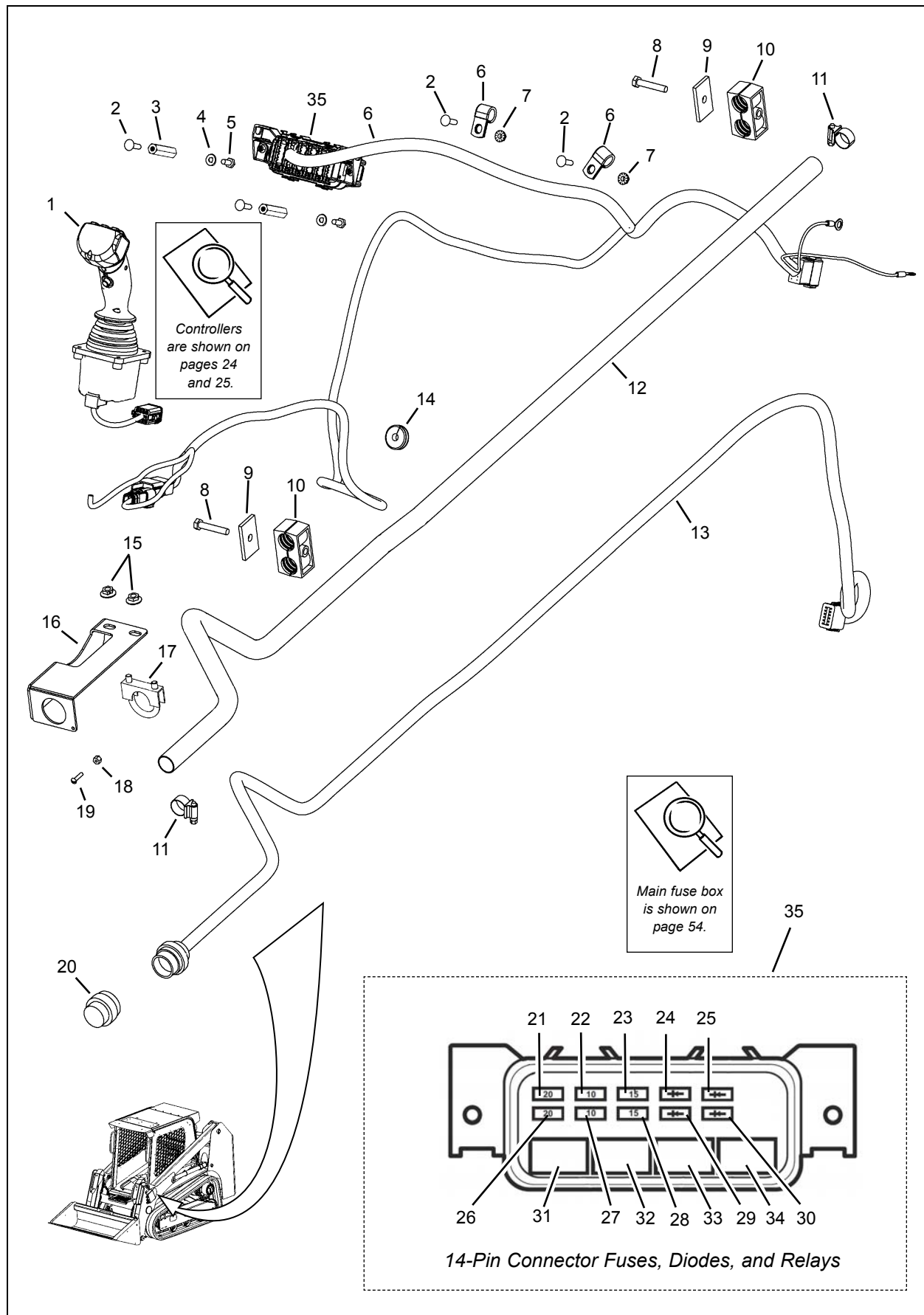
\*\* Refer to the previous page for pins, hardware, and other items not shown here.

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



# RT175 - LOADER ARM

## 14-PIN CONNECTOR (OPTION)



## RT175 - LOADER ARM 14-PIN CONNECTOR (OPTION)

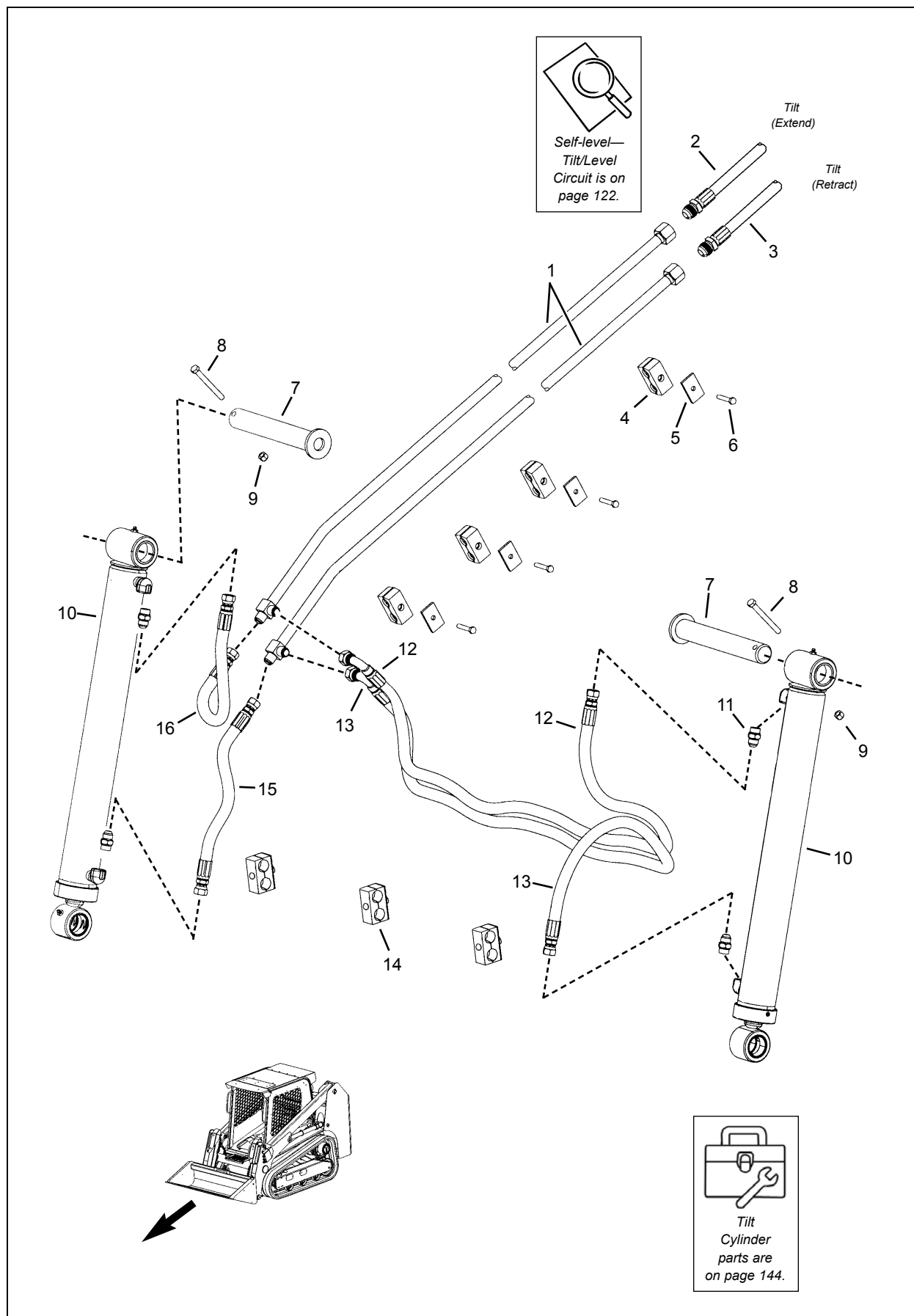
| Item No. | Part No.  | Description                                                                  | Qty. | Item No. | Part No.  | Description                              | Qty. |
|----------|-----------|------------------------------------------------------------------------------|------|----------|-----------|------------------------------------------|------|
| 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.<br><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<br>(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                                              |

# RT175 - LOADER ARM HYDRAULICS

## TILT CIRCUIT



# RT175 - LOADER ARM HYDRAULICS

## TILT CIRCUIT

| Item No. | Part No. | Description                            | Qty. |
|----------|----------|----------------------------------------|------|
| 01       | 273459   | TUBE, TILT - OUTER                     | 2    |
| 02       | 274372   | HOSE, MP 8 x 117.5 IN.                 | 1    |
| 03       | 274372   | HOSE, MP 8 x 117.5 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       | 274676   | CYLINDER, TILT                         | 2    |
| 11       | 054626   | ST MJ08-MORB08                         | 4    |
| 12       | 273863   | HOSE, MP 8 X 67.5 IN.                  | 1    |
| 13       | 273863   | HOSE, MP 8 X 67.5 IN.                  | 1    |

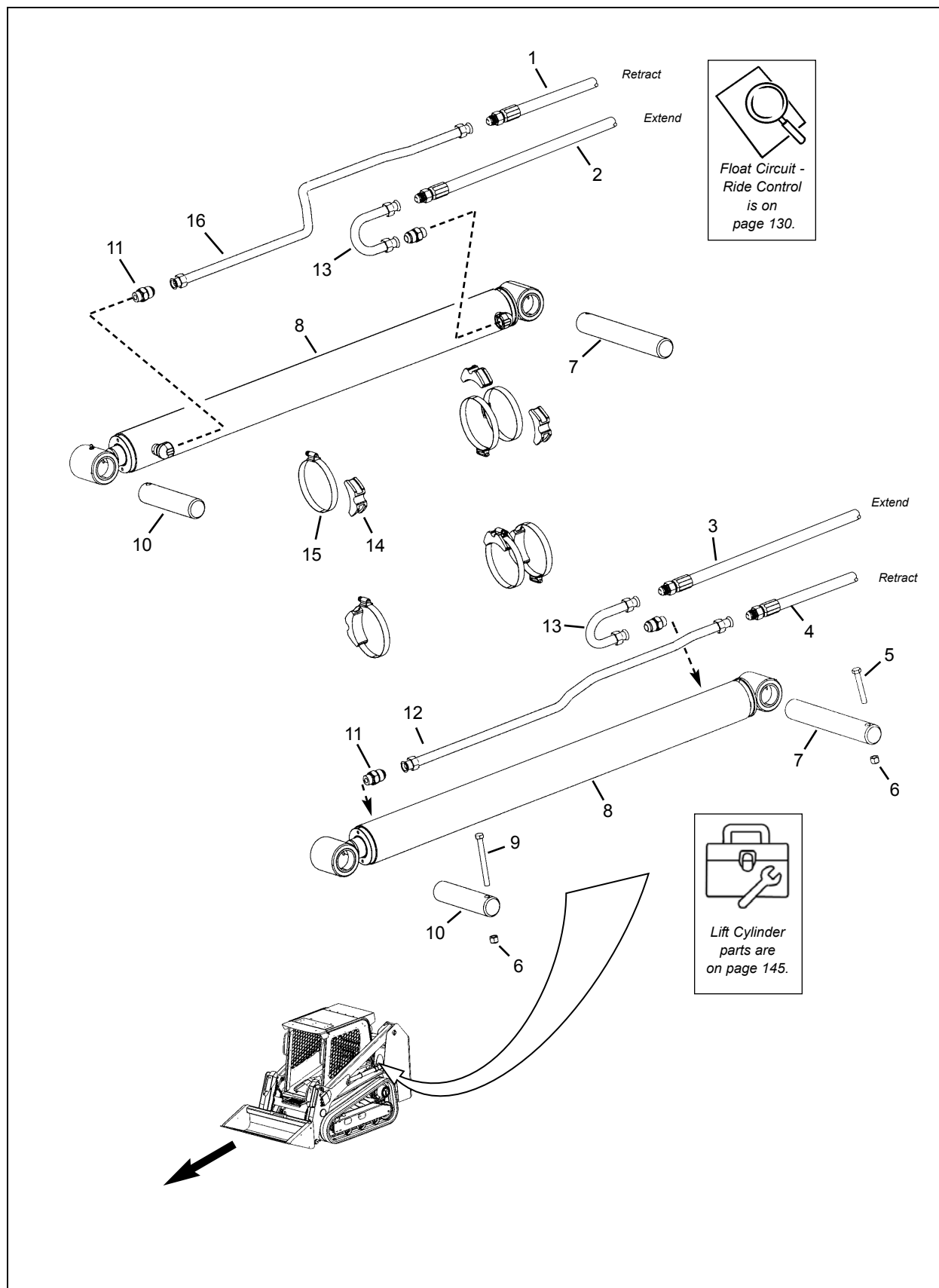
| Item No. | Part No. | Description                      | Qty. |
|----------|----------|----------------------------------|------|
| 14       | 271282   | CLAMP, HOSE 19mm ( <i>twin</i> ) | 3    |
|          | L69833   | PLATE, TOP SIZE 2 TWIN           | 3    |
|          | 650692   | CS 5/16 x 1-3/4" C5ZY            | 3    |
| 15       | 273689   | HOSE, MP 8 x 19.0 IN.            | 1    |
| 16       | 273689   | HOSE, MP 8 x 19.0 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*)

# RT175 - LOADER ARM HYDRAULICS

## LIFT CIRCUIT





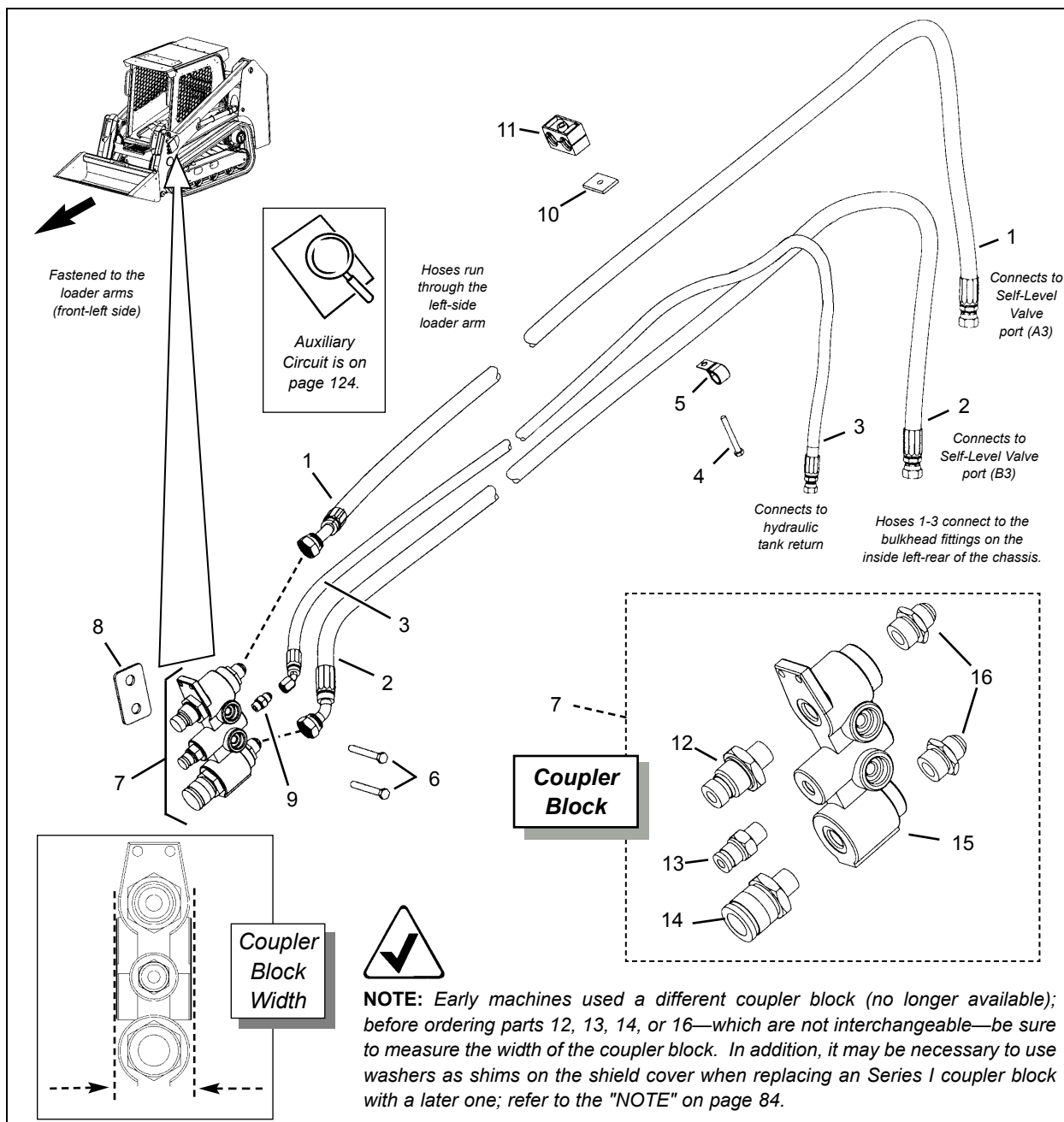
# RT175 - LOADER ARM HYDRAULICS

## 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 ( <i>left</i> )  | 1    |
| 05   | 650818   | CS 3/8 x 3 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   | 274677   | CYLINDER, LIFT       | 2    | 16   | 50300085  | TUBE, LIFT CYLINDER ( <i>right</i> ) | 1    |

# RT175 - LOADER ARM HYDRAULICS

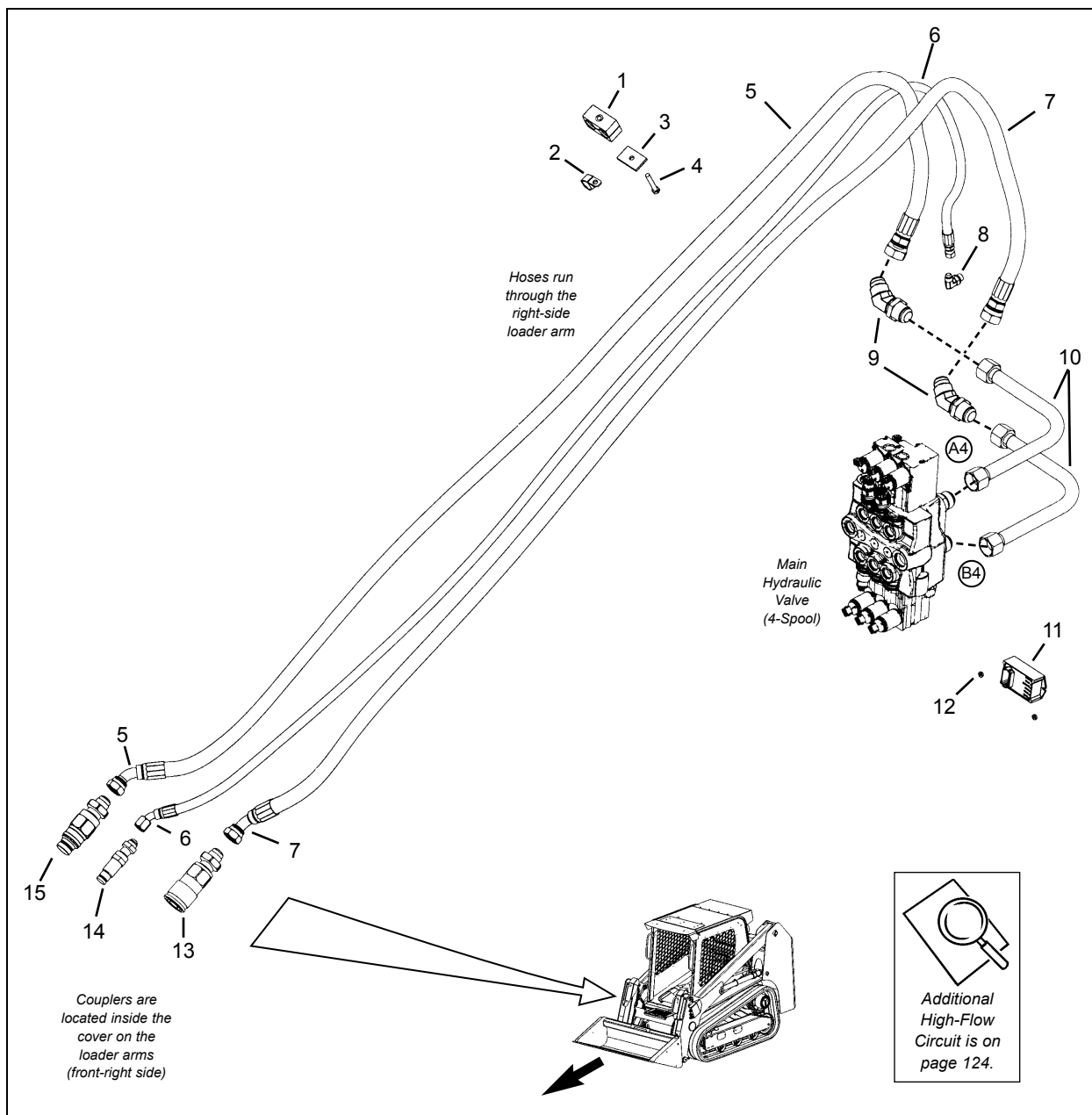
## AUXILIARY CIRCUIT - (STANDARD)



| 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<br>(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) |      |

# RT175 - 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 #10-24 x 1-1/4 C2ZY (not shown) | 2    |
| 13       | 137059   | COUPLER, FEMALE MJ12               | 1    |
| 14       | 131958   | COUPLER, MALE MJ08                 | 1    |
| 15       | 137058   | COUPLER, MALE MJ12                 | 1    |

## HOSE CONNECTION:

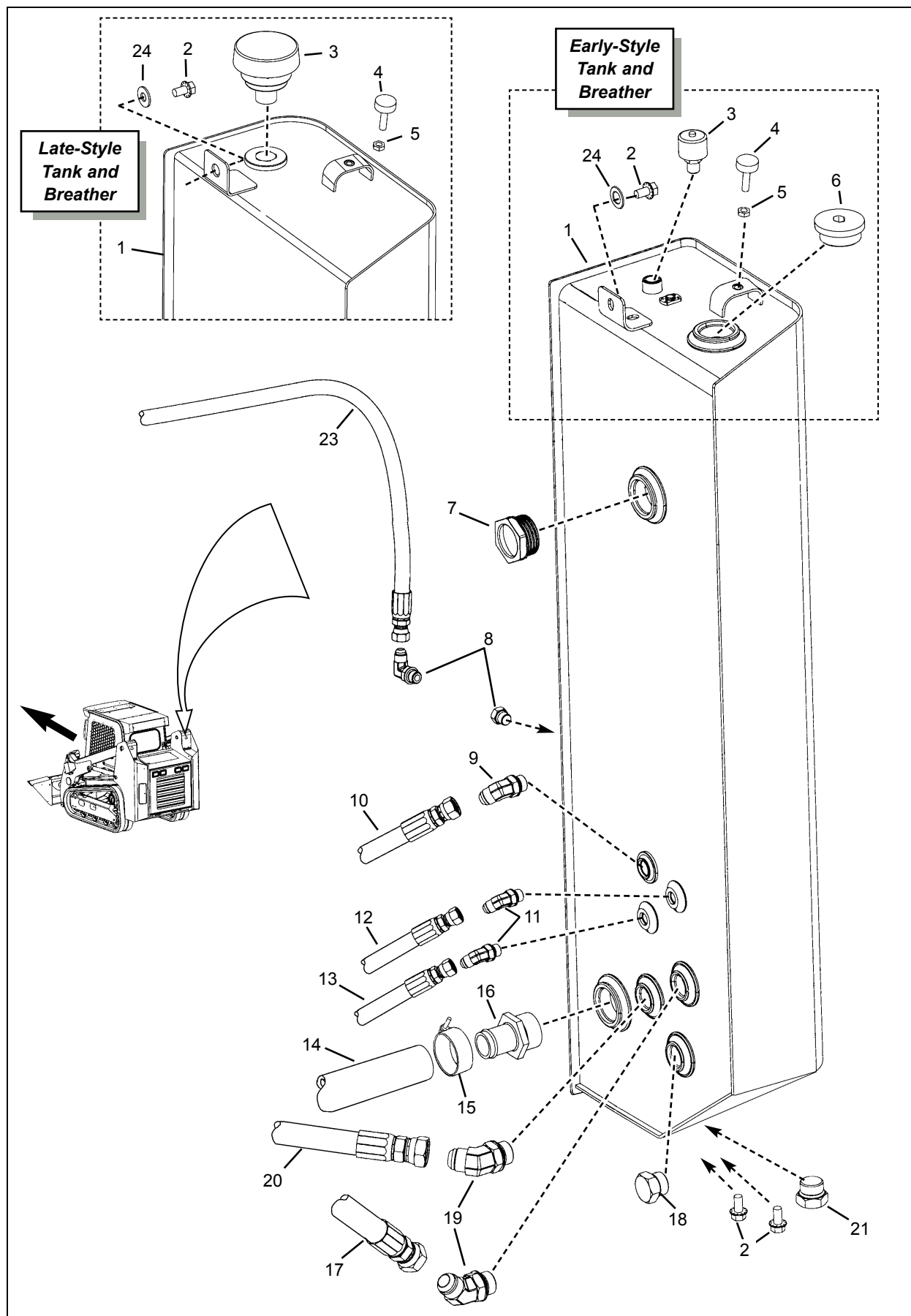
#05 connects to main hydraulic valve (A4)

#06 connects to hydraulic tank return

#07 connects to main hydraulic valve (B4)

# RT175 - HYDRAULICS

## HYDRAULIC TANK



# RT175 - HYDRAULICS

## HYDRAULIC TANK

| Item No. | Part No.  | Description                                     | Qty. |
|----------|-----------|-------------------------------------------------|------|
| 01       |           | HYDRAULIC TANK <i>(only)</i>                    | 1    |
|          | 50303815  | Note a and c <i>(does not include item 3)</i>   |      |
|          | 50302584  | Note b <i>(Kit—including 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       | 274371    | HOSE, MP 4 x 61.0 IN.                           | 1    |
| 14       |           | HOSE(suction)                                   | 1    |
|          | 50301897  | HOSE, LP 20 x 88.0 IN. <i>(standard)</i> *      |      |
|          | 274445    | HOSE, LP 20 x 90.0 IN. <i>(high-flow)</i> **    |      |
|          | 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    |
| 20       | 273885    | HOSE, MP 12 x 69.5 IN.                          | 1    |

| Item No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 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 10644 - 811000

b SN 10643 and before

c Some units after serial number 10643 used breather 50302525 (refer to Figure 1). If the machine is equipped with breather 50302525, be sure to order tank 50302584—which includes the late-style breather (138877).

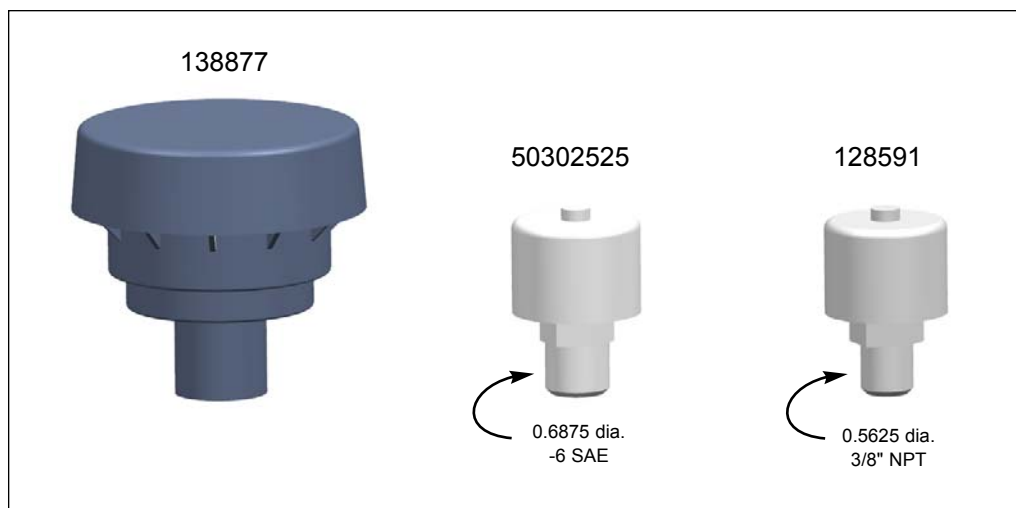
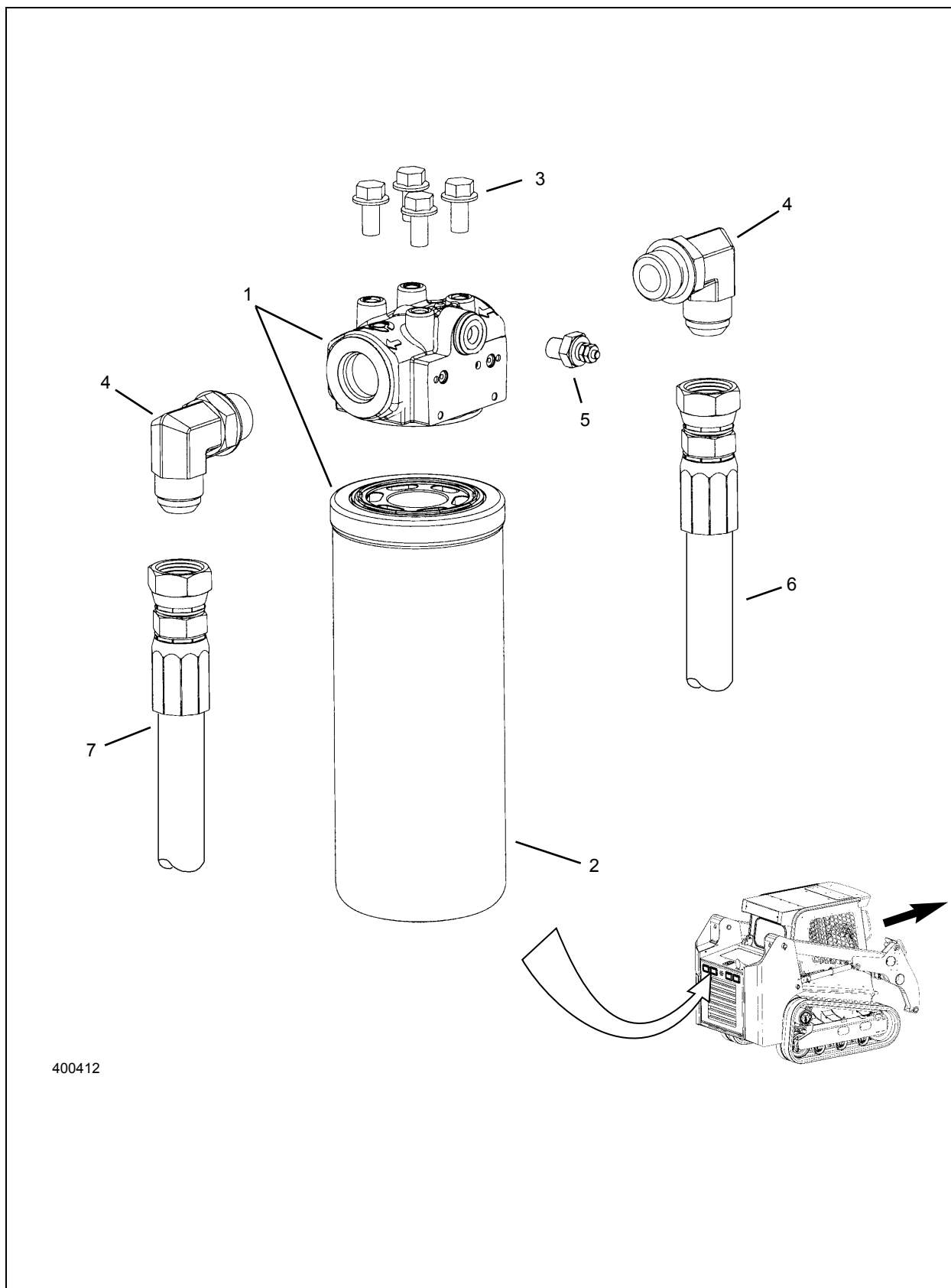


Figure 1.

# RT175 - HYDRAULICS

## HYDRAULIC FILTER ASSEMBLY



# RT175 - HYDRAULICS

## HYDRAULIC FILTER ASSEMBLY

| Item<br>No. | Part No. | Description                                                                       | Qty. |
|-------------|----------|-----------------------------------------------------------------------------------|------|
| 01          | 272452   | HYDRAULIC FILTER ASSEMBLY<br><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<br>No. | Part No. | Description                                    | Qty. |
|-------------|----------|------------------------------------------------|------|
| 06          |          | HOSE, MP 12                                    | 1    |
|             | 50302214 | <i>Note a (63.0 inches long)-(Late Style)</i>  |      |
|             | 272952   | <i>Note b (85.0 inches long)-(Early Style)</i> |      |
| 07          | 270100   | HOSE, MP12 X 55 IN.                            | 1    |

### **HOSE CONNECTION:**

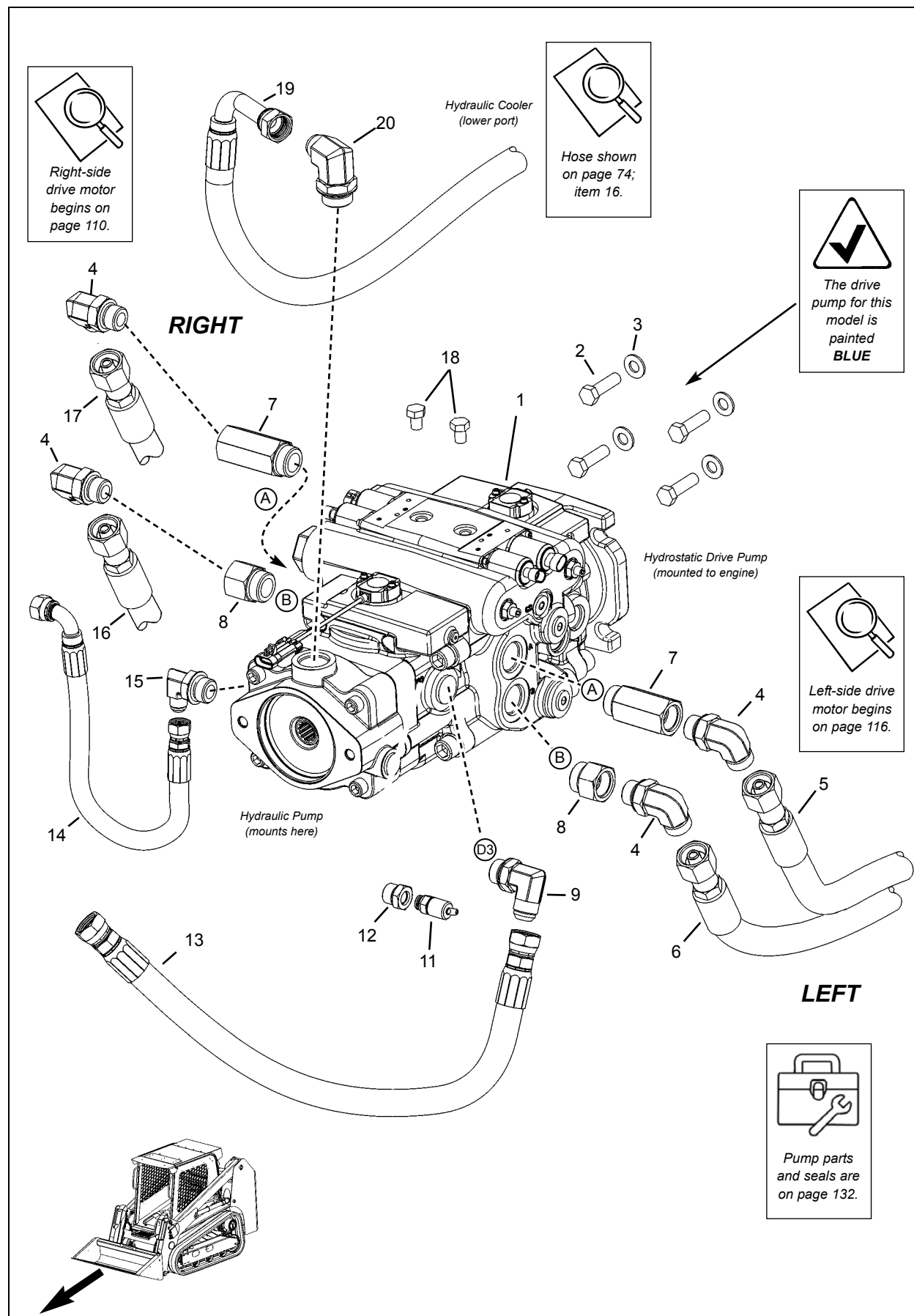
#06 connects to hydraulic main valve (T)  
 #07 connects to hydraulic cooler (tee - lower port)

- a Used with current machines.*
- b Used on early machines. This hose can be replaced with the current hose 50302214; refer to pages 106 and 108 for additional parts.*

# RT175 - HYDRAULICS

## HYDROSTATIC DRIVE PUMP CIRCUIT

(SN 10743 - 811000)





**RT175 - HYDRAULICS**  
**HYDROSTATIC DRIVE PUMP CIRCUIT**  
**(SN 10743 - 811000)**

| Item<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 01          | 272862   | PUMP, EH TANDEM HYDRO 41cc             | 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          | 274220   | HOSE, MP 12 x 27.0 IN.                 | 1    |
| 11          | 193562   | TEST PORT - 9/16-18 UNF                | 1    |
| 12          | L51763   | ST MORB10-FORB06                       | 1    |
| 13          | 274220   | HOSE, MP -12 x 27.0 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    |
|             | 270545   | O-RING M20 x 2.0 N90 <i>(included)</i> | 2    |

| Item<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 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.<br><i>(used with items 5, 6, 16, and 17)</i> | 4 |
|----|----------|------------------------------------------------------------------------------|---|

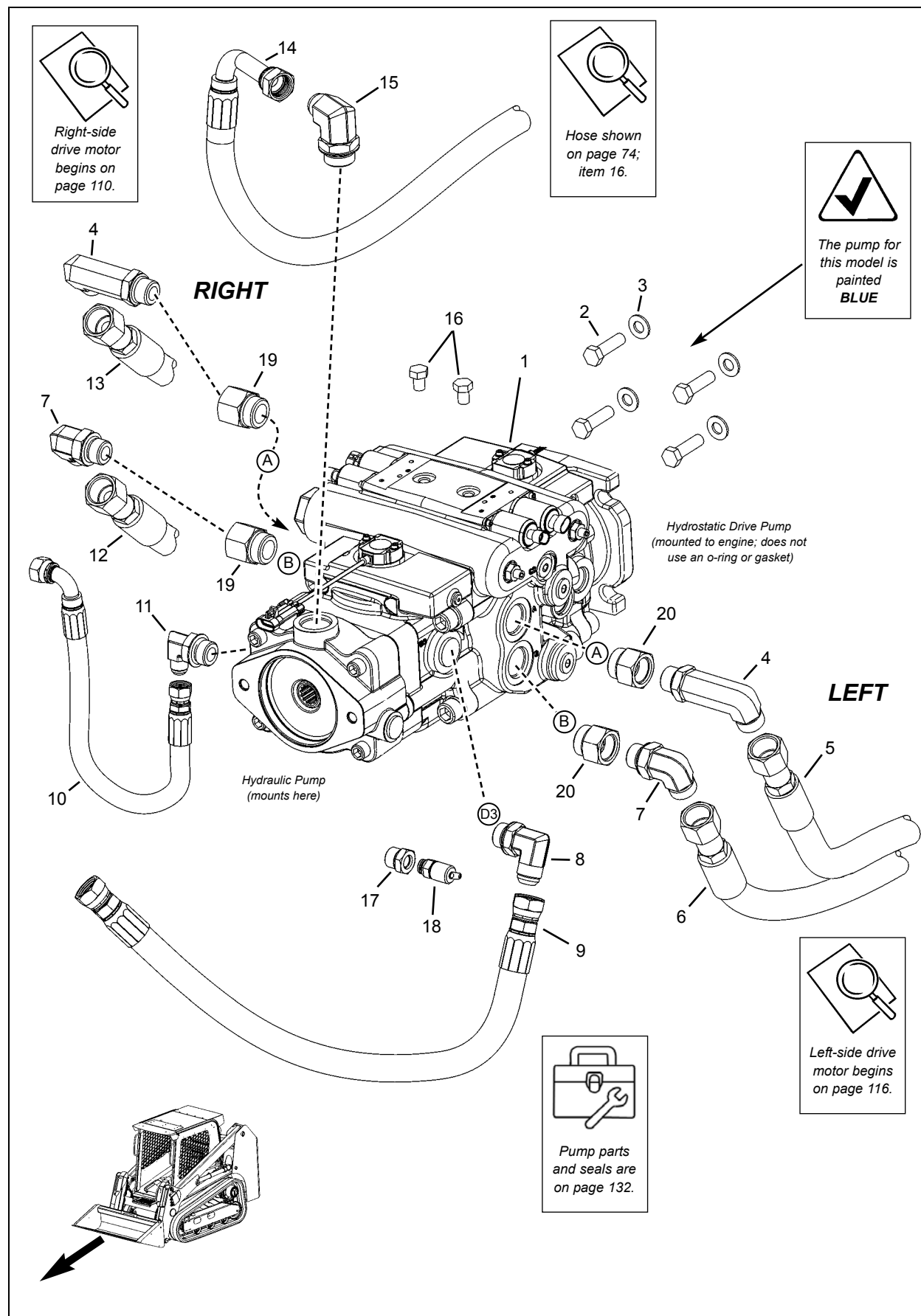
**HOSE CONNECTION:**

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

# RT175 - HYDRAULICS

## HYDROSTATIC DRIVE PUMP CIRCUIT

(SN 10742 and before)



# RT175 - HYDRAULICS

## HYDROSTATIC DRIVE PUMP CIRCUIT

*(SN 10742 and before)*

| Item No. | Part No. | Description                | Qty. |
|----------|----------|----------------------------|------|
| 01       | 272862   | PUMP, EH TANDEM HYDRO 41cc | 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       | 274220   | HOSE, MP 12 x 27.0 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    |
| 15       | 121684   | 90 MJ12-MAORB16            | 1    |

| Item No. | Part No. | Description                   | Qty. |
|----------|----------|-------------------------------|------|
| 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              | 2    |
| 20       | 50300151 | ST MORB160FORB12 SP           | 2    |

### HOSE CONNECTION:

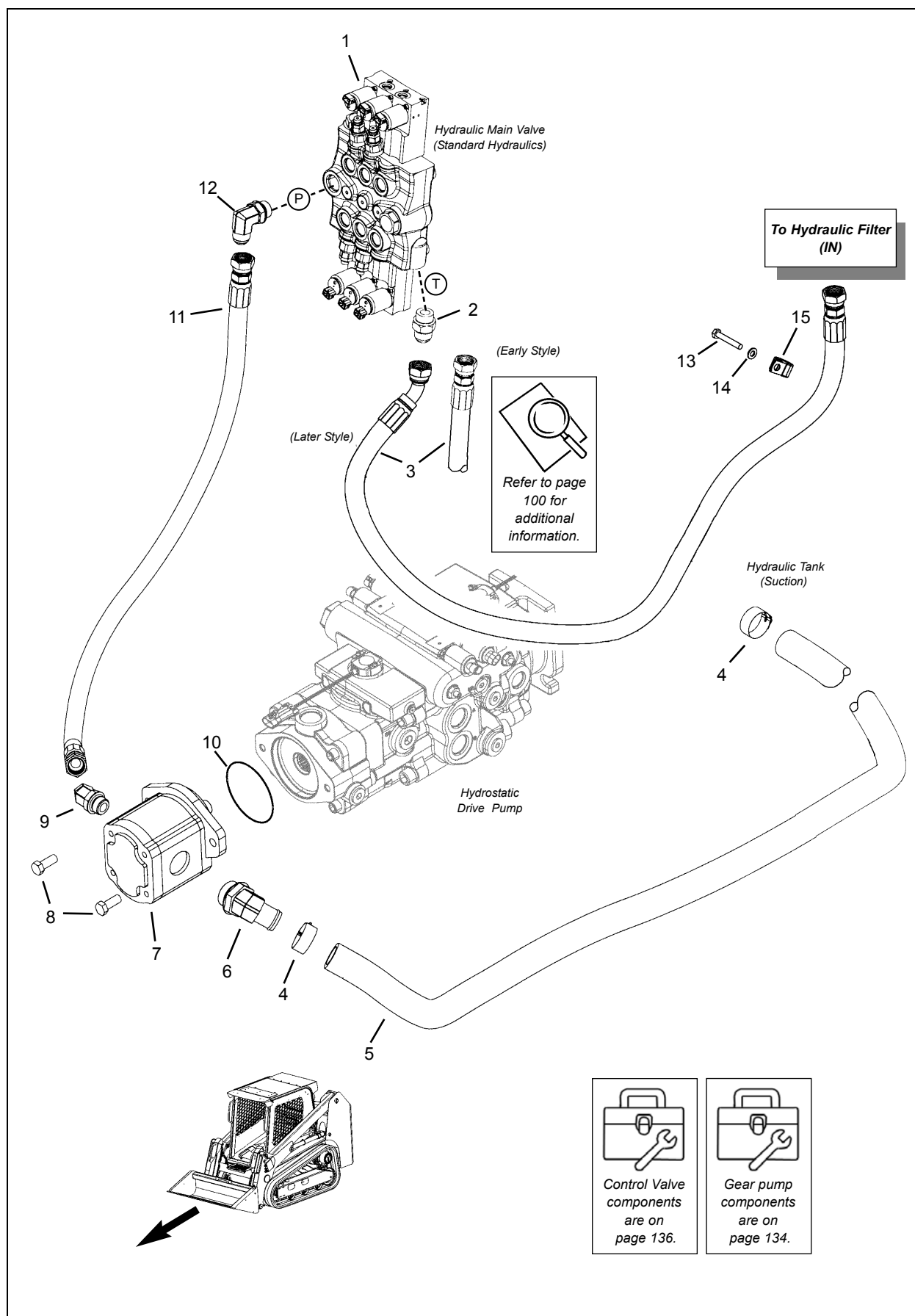
- #05 connects to left-side drive motor
- #06 connects to left-side drive motor
- #09 connects to pilot pressure manifold (DR)
- #10 connects to pilot pressure manifold (P)
- #12 connects to right-side drive motor
- #13 connects to right-side drive motor
- #14 connects to hydraulic cooler (lower tee)



**IMPORTANT:** Be aware that items 4, 5, 6, 7, and 20 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 20, 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.

# RT175 - HYDRAULICS

## HYDRAULIC PUMP CIRCUIT - (STANDARD HYDRAULICS)



# RT175 - 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    |
|                 | 50302214 | <i>Note a - (63.0 inches long)</i>    |      |
|                 | 272952   | <i>Note b - (85.0 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 <sup>b</sup> | 132067   | GEAR PUMP, 1.708 SINGLE               | 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    |
| 12              | 055005   | 90 MJ12-MAORB12                       | 1    |

| Item No. | Part No. | Description            | Qty. |
|----------|----------|------------------------|------|
| 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)

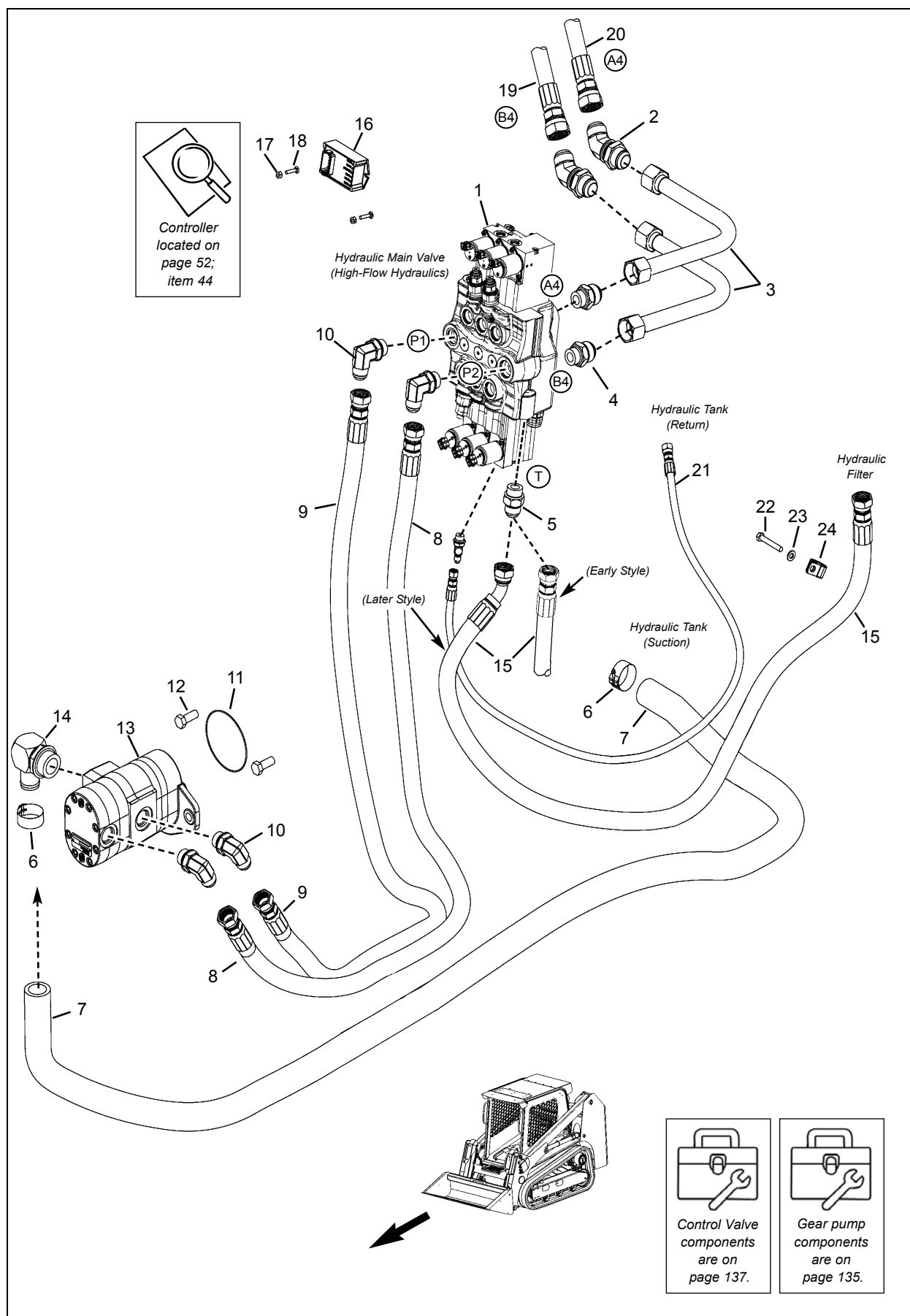
\* Wraps around suction hose near hydraulic tank to protect suction hose from chaffing on counterweight.

a Used on later machines.

b Used on early machines. This hose can be replaced with the current hose 50302214; however, it will also be necessary to order items 13-15 to reroute and secure the hose.

# RT175 - HYDRAULICS

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



# RT175 - 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              | 072587   | ST MJ12-MORB12                        | 1    |
| 06              | 193743   | CLAMP, T-BOLT 1.75 IN.                | 2    |
| 07              | 274445   | HOSE, LP 20 x 90.0 IN.                | 1    |
|                 | 50300818 | GUARD, POLY HOSE <i>(not shown)</i> * | 1    |
| 08              | 274440   | HOSE, MP 12 x 63.0 IN.                | 1    |
| 09              | 274440   | HOSE, MP 12 x 63.0 IN.                | 1    |
| 10              | 055005   | 90 MJ12-MAORB12                       | 4    |
| 11              | 132248   | O-RING 045 N70                        | 1    |
| 12              | 50280004 | CS 1/2 x 1-1/4 SP C5ZY                | 2    |
| 13              | 274449   | PUMP, GEAR 29cc+23cc <i>(iron)</i>    | 1    |
| 14              | 188974   | 90 HB20-MAORB20                       | 1    |
| 15 <sup>a</sup> |          | HOSE, MP 12                           | 1    |
|                 | 50302214 | <i>(63.0 inches long)</i>             |      |
|                 | 272952   | <i>(85.0 inches long)</i>             |      |
| 16              | 273361   | HIGH-FLOW CONTROLLER                  | 1    |
| 17              | 651203   | LN #10-24 CBZY                        | 2    |
| 18              | 651235   | CB #10-24 x 1-1/4 C2ZY                | 2    |
| 19              | 273631   | HOSE, MP 12 x 106.0 IN.               | 1    |
| 20              | 273631   | HOSE, MP 12 x 106.0 IN.               | 1    |

| Item No. | Part No. | Description                               | Qty. |
|----------|----------|-------------------------------------------|------|
| 21       | 274371   | HOSE, MP 4 x 61.0 IN.                     | 1    |
|          | 50302220 | GUARD, HOSE 1.0 x 4 IN <i>(not shown)</i> | 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:

- #07 connects to hydraulic tank (SUCTION).
- #08 - hydraulic main valve (P2) to hydraulic pump
- #09 - hydraulic main valve (P1) to hydraulic pump
- #15 - hydraulic main valve (T) to hydraulic filter
- #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.

a Two different hose lengths were/are used; be sure to measure the length before ordering. Note: Hose 50302214 can be used in all applications; however, if originally equipped with the longer 272952 hose, it will also be necessary to order items 22-24 to reroute and secure the hose.

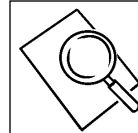
# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT - RIGHT SIDE

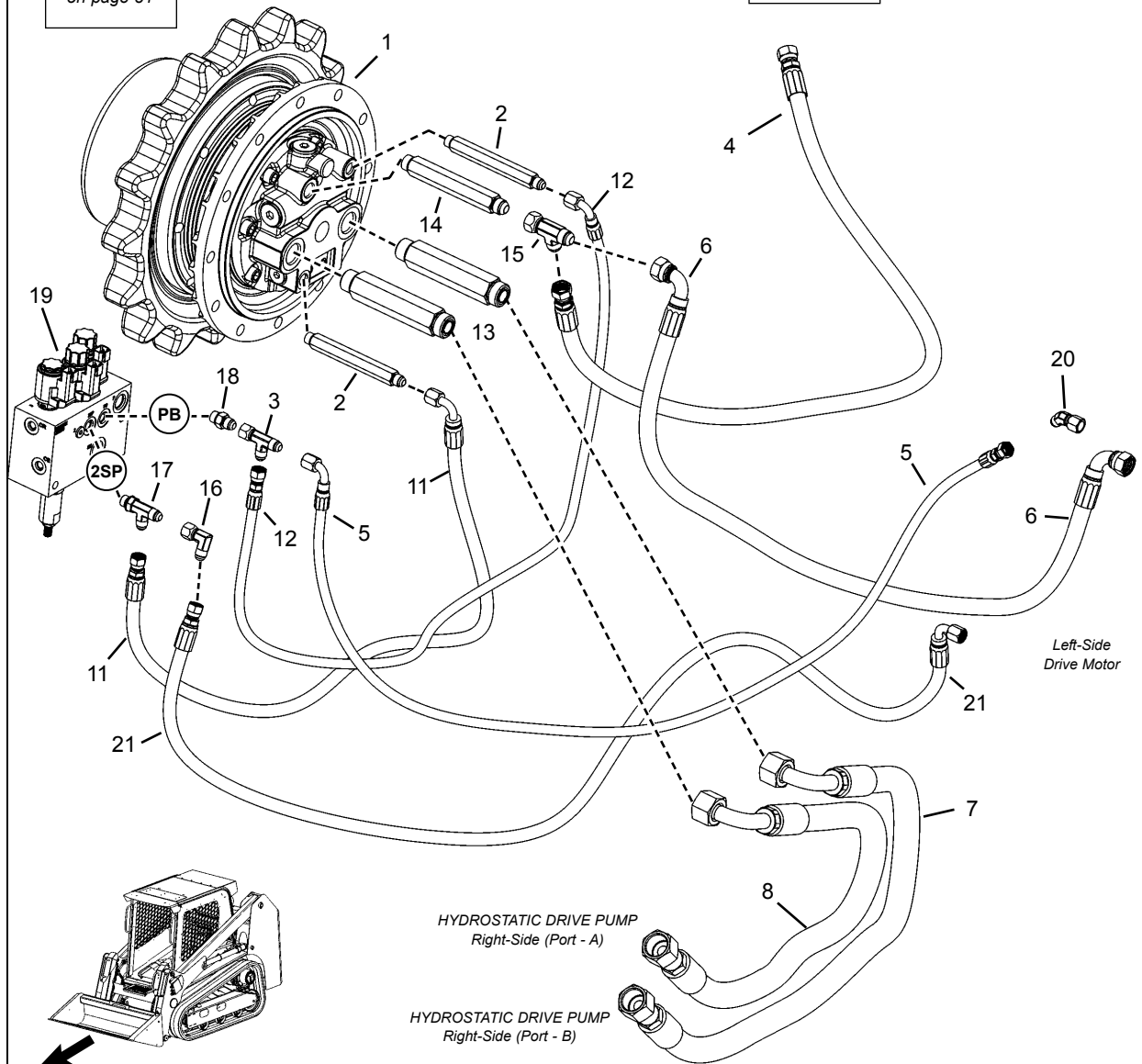
(SN 10743 - 811000)



Track drive motor begins on page 81



Hydraulic tank is on page 98



Hydrostatic Drive Pump is on page 102.



**RT175 - HYDRAULICS**  
**TRACK DRIVE CIRCUIT - RIGHT SIDE**  
**(SN 10743 - 811000)**

| Item<br>No. | Part No. | Description                                                        | Qty. |
|-------------|----------|--------------------------------------------------------------------|------|
| 01          | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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    |
| 11          | 273915   | HOSE, MP 6 x 44.0 IN.                                              | 1    |

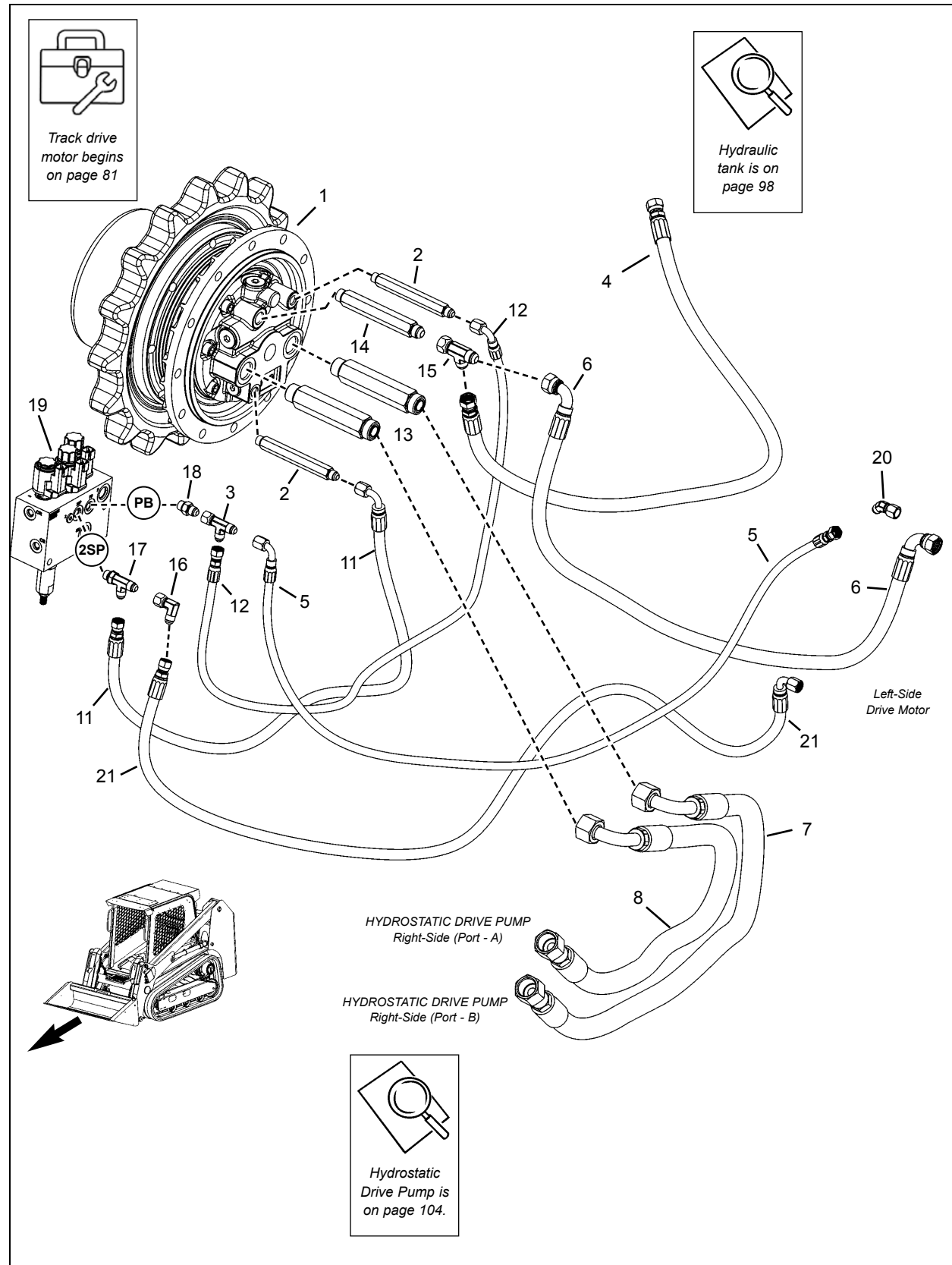
| Item<br>No. | Part No. | Description                              | Qty. |
|-------------|----------|------------------------------------------|------|
| 12          | 50301629 | HOSE, MP 4 x 56.0 IN <i>(park brake)</i> | 1    |
| 13          | 50302378 | ST MC20-MORB12-S SP                      | 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.

# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT - RIGHT SIDE

(SN 10568 - 10742)



**RT175 - HYDRAULICS**  
**TRACK DRIVE CIRCUIT - RIGHT SIDE**  
**(SN 10568 - 10742)**

| Item<br>No. | Part No. | Description                                                        | Qty. |
|-------------|----------|--------------------------------------------------------------------|------|
| 01          | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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    |

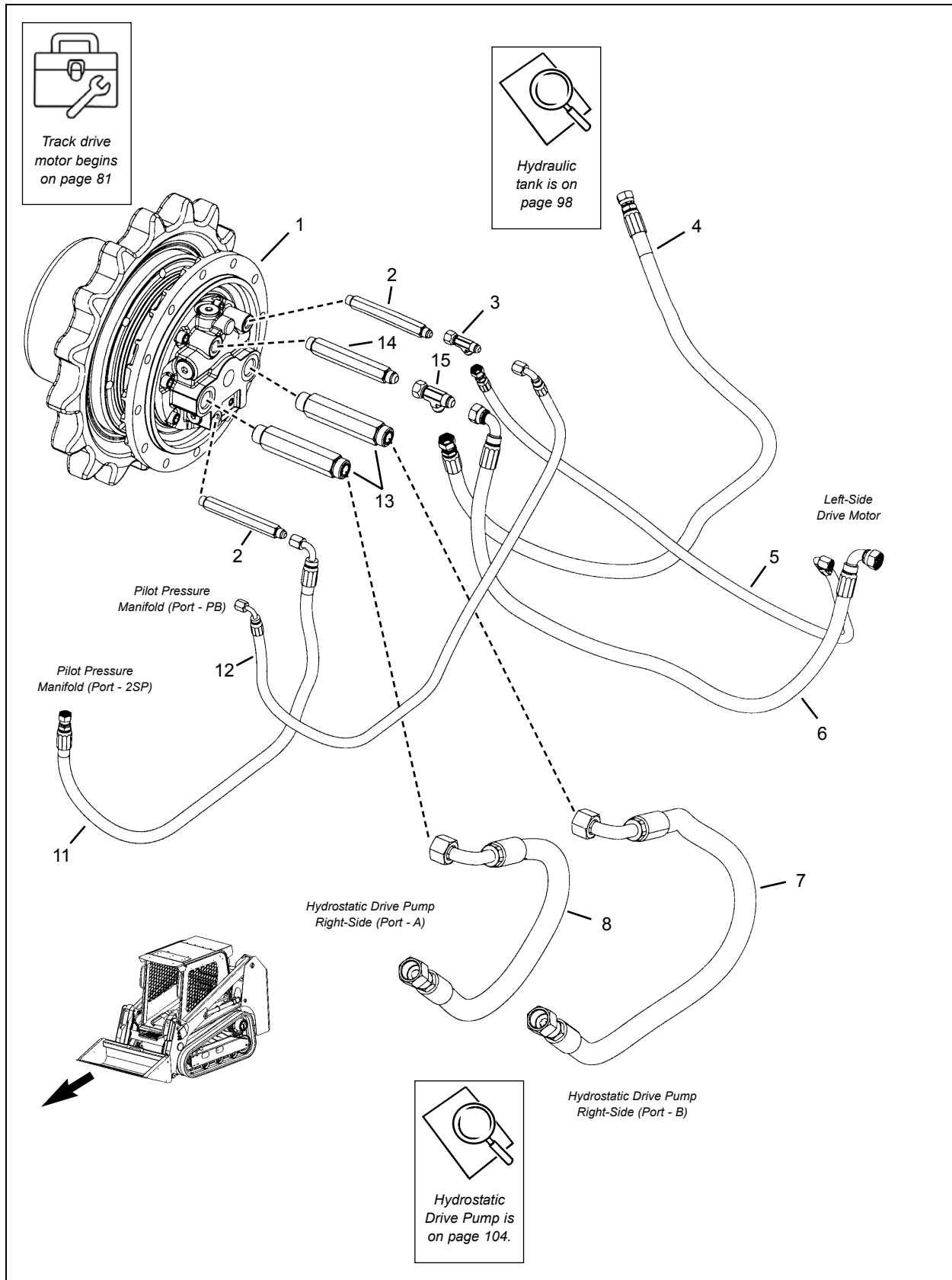
| Item<br>No. | Part No. | Description                | Qty. |
|-------------|----------|----------------------------|------|
| 13          | 271680   | ST-LN MFS12-MORB12         | 2    |
| 14          | 271709   | ST-LN MJ08-MORB08          | 1    |
| 15          | 076143   | TEE MJ08-FJS08-MJ08        | 1    |
| 16          | 091039   | 90 MJ06-FJS06 *            | 1    |
| 17          | 054820   | T RUN MJ06-MAORB06-MJ06 *  | 1    |
| 18          | 054994   | ST MJ06-MORB06 *           | 1    |
| 19          | 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.

# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT - RIGHT SIDE

(SN 10567 and before)



**RT175 - HYDRAULICS**  
**TRACK DRIVE CIRCUIT - RIGHT SIDE**  
*(SN 10567 and before)*

| Item<br>No. | Part No. | Description                                                        | Qty. |
|-------------|----------|--------------------------------------------------------------------|------|
| 01          | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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    |

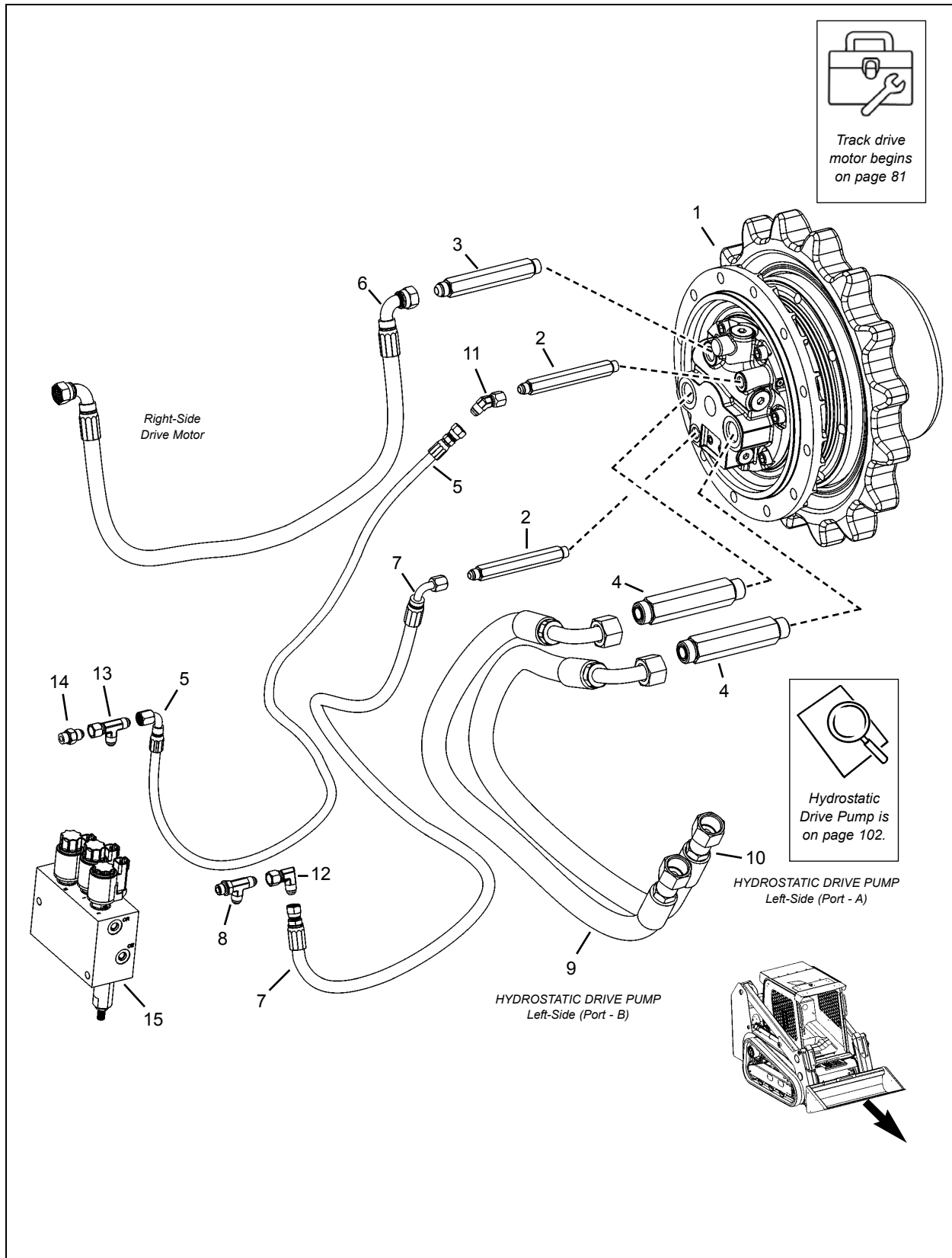
| Item<br>No. | Part No. | Description                              | Qty. |
|-------------|----------|------------------------------------------|------|
| 08          | 274336   | HOSE, HP 12 x 36.75 IN.                  | 1    |
| 11          | 274213   | HOSE, MP 6 x 41.5 IN.                    | 1    |
| 12          | 274218   | HOSE, MP 4 x 51.5 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 parts: be aware that some of the same parts are shown on the previous page and on the next two pages.

# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT -LEFT SIDE

(SN 10743 - 811000)



**RT175 - HYDRAULICS**  
**TRACK DRIVE CIRCUIT - LEFT SIDE**  
**(SN 10743 - 811000)**

| Item<br>No. | Part No. | Description                                                        | Qty. |
|-------------|----------|--------------------------------------------------------------------|------|
| 01          | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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    |
| 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    |

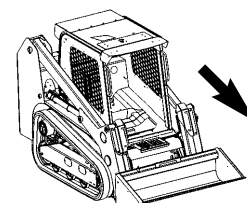
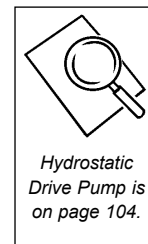
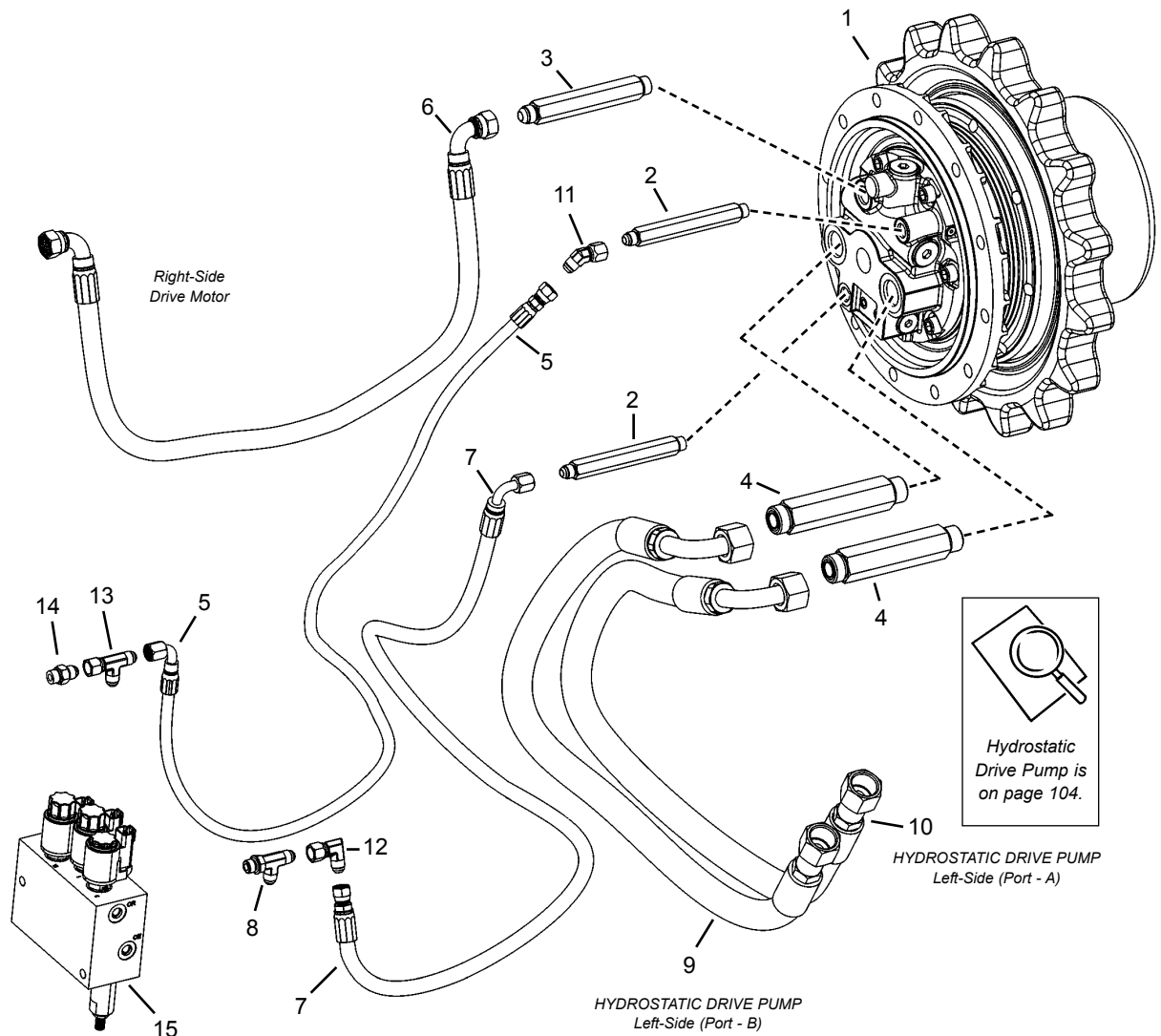
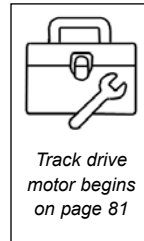
| Item<br>No. | Part No. | Description                            | Qty. |
|-------------|----------|----------------------------------------|------|
| 10          | 50302509 | HOSE, HP 12 x 29.0 IN.                 | 1    |
|             | 270545   | O-RING M20 x 2.0 N90 <i>(included)</i> | 2    |
|             | 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.

# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT -LEFT SIDE

(SN 10568 - 10742)





# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT - LEFT SIDE

### (SN 10568 - 10742)

| Item No. | Part No. | Description                                                        | Qty. |
|----------|----------|--------------------------------------------------------------------|------|
| 01       | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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    |

| 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    |
|          | 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 two pages and on the next page.

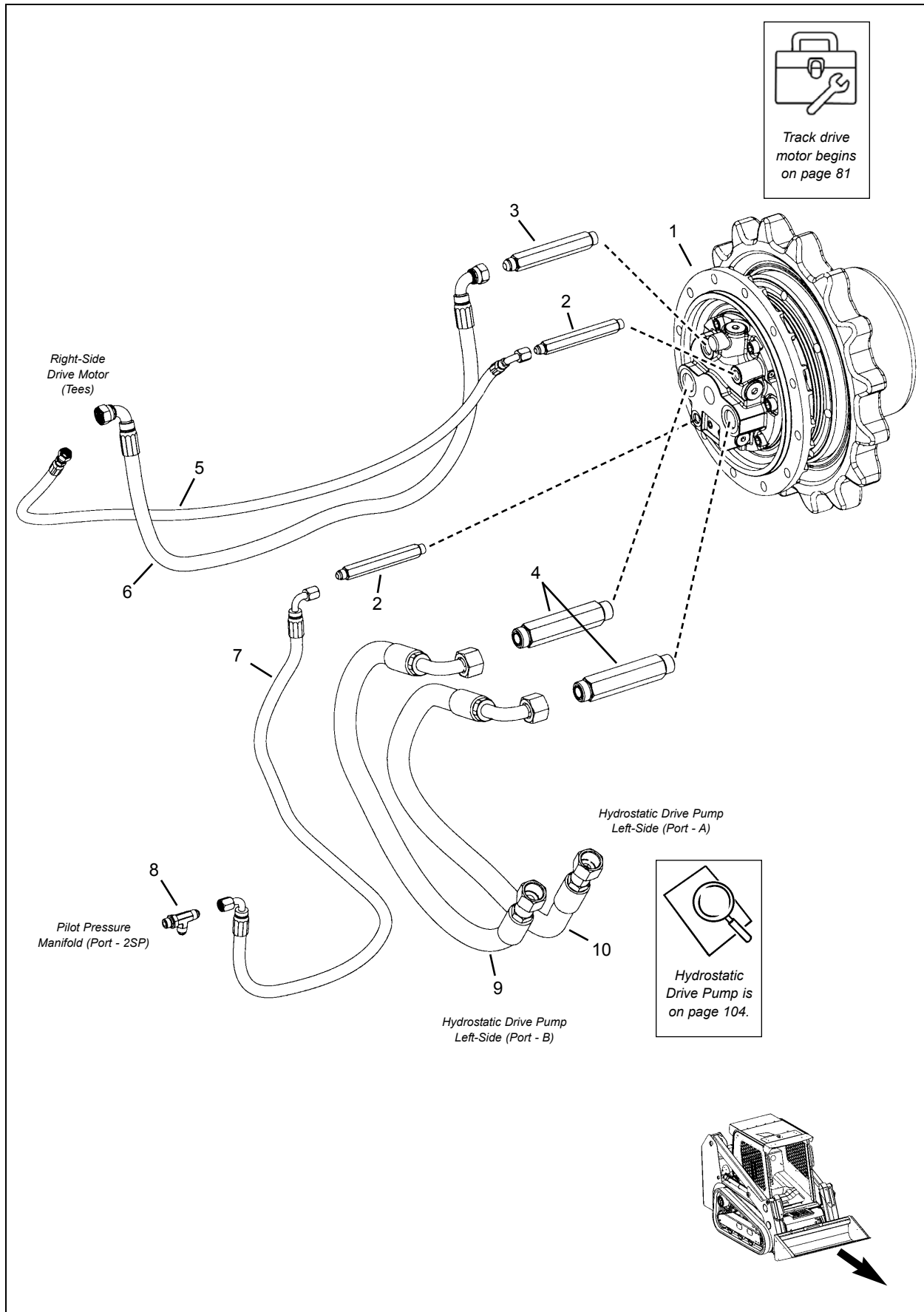


**IMPORTANT:** Be aware that items 4, 9, and 10 may be different from those listed here for this serial number range. It is possible that the fittings and hoses were replaced after the machine left the factory. A kit to improve access to the engine oil drain was offered after this machine was built and 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.

# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT -LEFT SIDE

(SN 10567 and before)



# RT175 - HYDRAULICS

## TRACK DRIVE CIRCUIT - LEFT SIDE

(SN 10567 and before)

| Item No. | Part No. | Description                                                        | Qty. |
|----------|----------|--------------------------------------------------------------------|------|
| 01       | 273269   | MOTOR, DRIVE 1049cc W/FLANGE<br><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       | 273143   | HOSE, MP 4 x 47.0 IN.*                                             | 1    |
| 06       | 273906   | HOSE, MP 8 x 45.0 IN.*                                             | 1    |
| 07       | 274216   | HOSE, MP 6 x 52.5 IN.                                              | 1    |

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

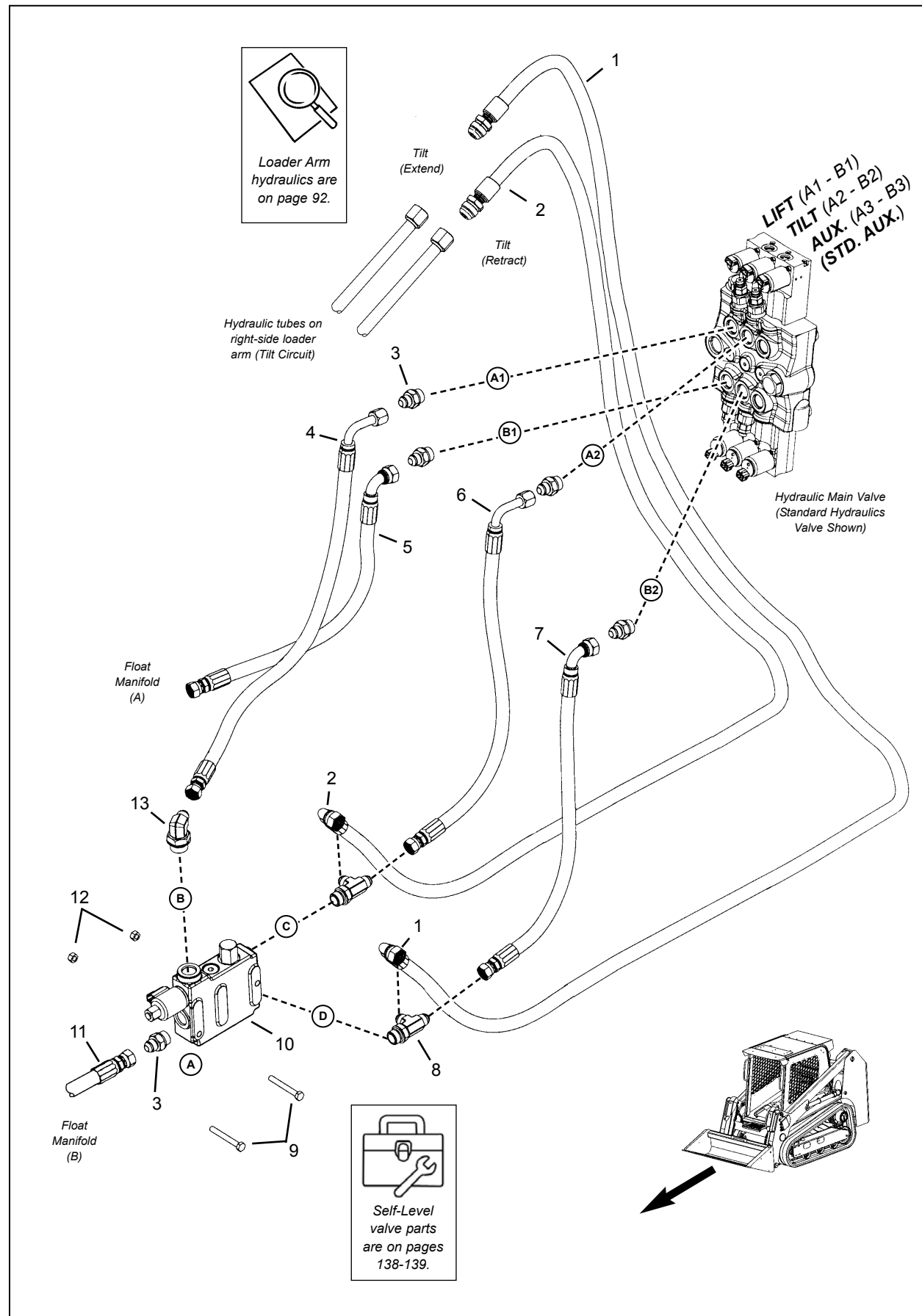
\* Avoid ordering duplicate parts: be aware that some of the same parts are shown on the previous three pages.



**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.

# RT175 - HYDRAULICS

## SELF-LEVEL VALVE CIRCUIT - LIFT / TILT



# RT175 - HYDRAULICS

## SELF-LEVEL VALVE CIRCUIT - LIFT / TILT

| Item No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 01       | 274372   | HOSE, MP 8 x 117.5 IN.    | 1    |
| 02       | 274372   | HOSE, MP 8 x 117.5 IN.    | 1    |
| 03       | 089099   | ST MJ08-MORB10            | 4    |
| 04       | 274363   | HOSE, MP 8 x 29.0 IN.     | 1    |
| 05       | 274033   | HOSE, MP 8 x 18.0 IN.     | 1    |
| 06       | 274365   | HOSE, MP 8 x 24.75 IN.    | 1    |
| 07       | 274366   | HOSE, MP 8 x 23.0 IN.     | 1    |
| 08       | 121387   | TEE RUN MJ08-MAORB10-MJ08 | 2    |

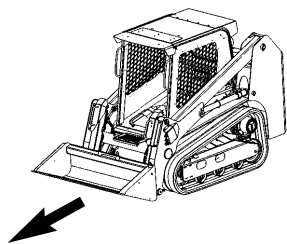
| Item No. | Part No. | Description                       | Qty. |
|----------|----------|-----------------------------------|------|
| 09       | 650733   | CS 5/16 x 2-1/2 C5ZY              | 2    |
| 10       |          | VALVE, SELF-LEVEL                 | 1    |
|          | 135367   | (standard) - (not shown)          |      |
|          | 271958   | (switchable) - (shown) (Optional) |      |
| 11       | 274370   | HOSE, MP -8 x 26.0 IN.            | 1    |
| 12       | 071701   | LN 5/16 CBZY                      | 2    |
|          | 654004   | FW 5/16 AWZY (not shown)          | 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)

# RT175 - HYDRAULICS

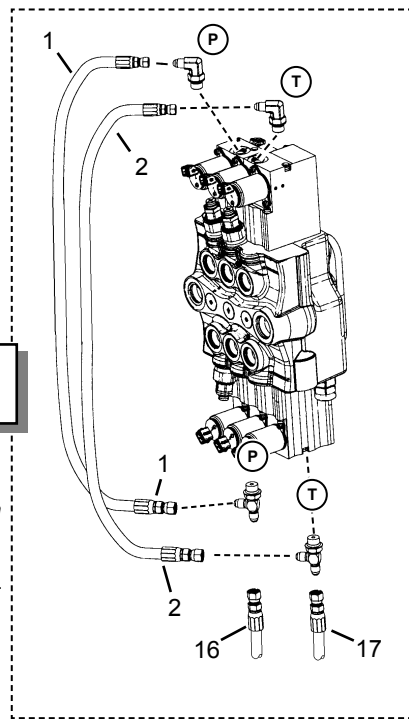
## AUXILIARY / HIGH-FLOW HYDRAULICS CIRCUIT



High-flow  
Hydraulics  
are on  
page 124.

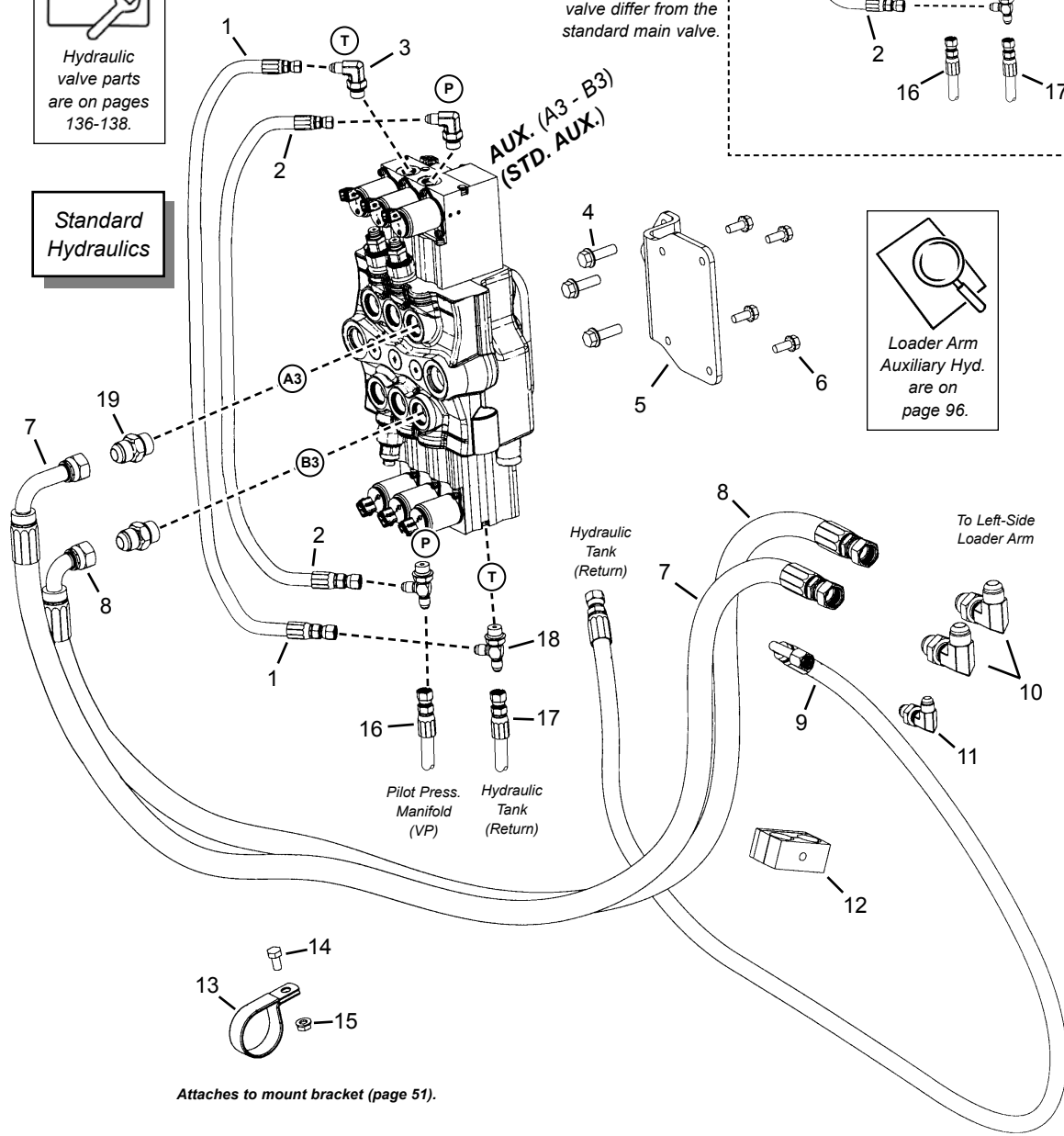
### High-Flow Hydraulics

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



Hydraulic  
valve parts  
are on pages  
136-138.

### Standard Hydraulics



Loader Arm  
Auxiliary Hyd.  
are on  
page 96.

Attaches to mount bracket (page 51).

# RT175 - 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       | 274371   | HOSE, MP 4 x 61.0 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

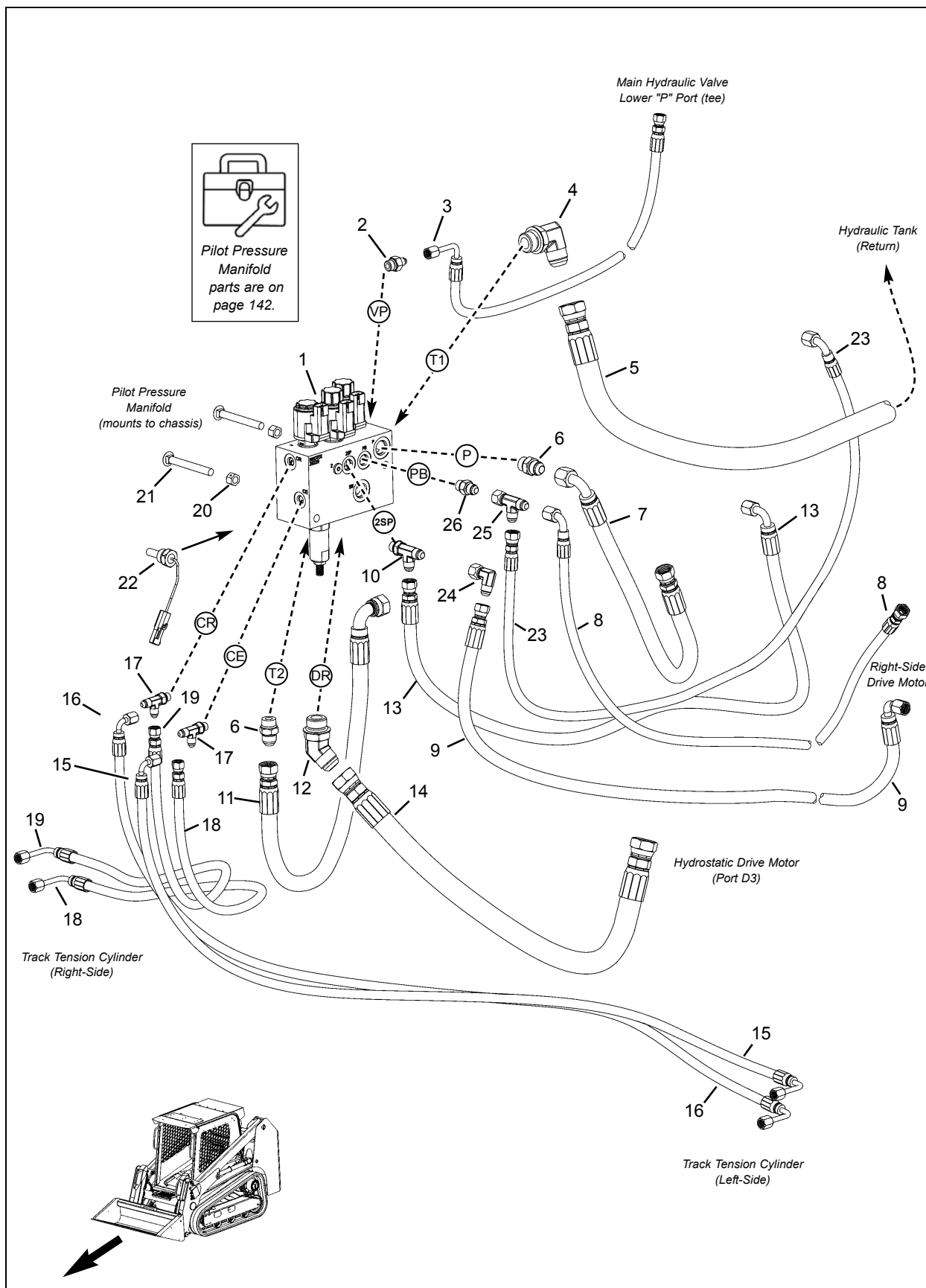
\* Clamp attaches to bracket on rear of engine; refer to item #8 on page 65.

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

# RT175 - HYDRAULICS

## PILOT PRESSURE MANIFOLD CIRCUIT

(SN 10568 - 811000)





# RT175 - HYDRAULICS

## PILOT PRESSURE MANIFOLD CIRCUIT

(SN 10568 - 811000)

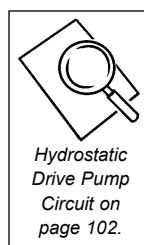
| Item No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 01       | 274477   | PILOT PRESSURE MANIFOLD   | 1    |
| 02       | 50304010 | ST MJ04-MORB06/SP         | 1    |
| 03       | 50302211 | HOSE, MP 4 x 29.0 IN.     | 1    |
| 04       | 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       | 274220   | HOSE, MP 12 x 27.0 IN.    | 1    |
| 15       | 274386   | HOSE, MP 4 x 53.0 IN.     | 1    |
| 16       | 274387   | HOSE, MP 4 x 55.0 IN.     | 1    |
| 17       | 171629   | TEE RUN MJ04-MAORB04-MJ04 | 2    |
| 18       | 274388   | HOSE, MP 4 x 29.0 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)

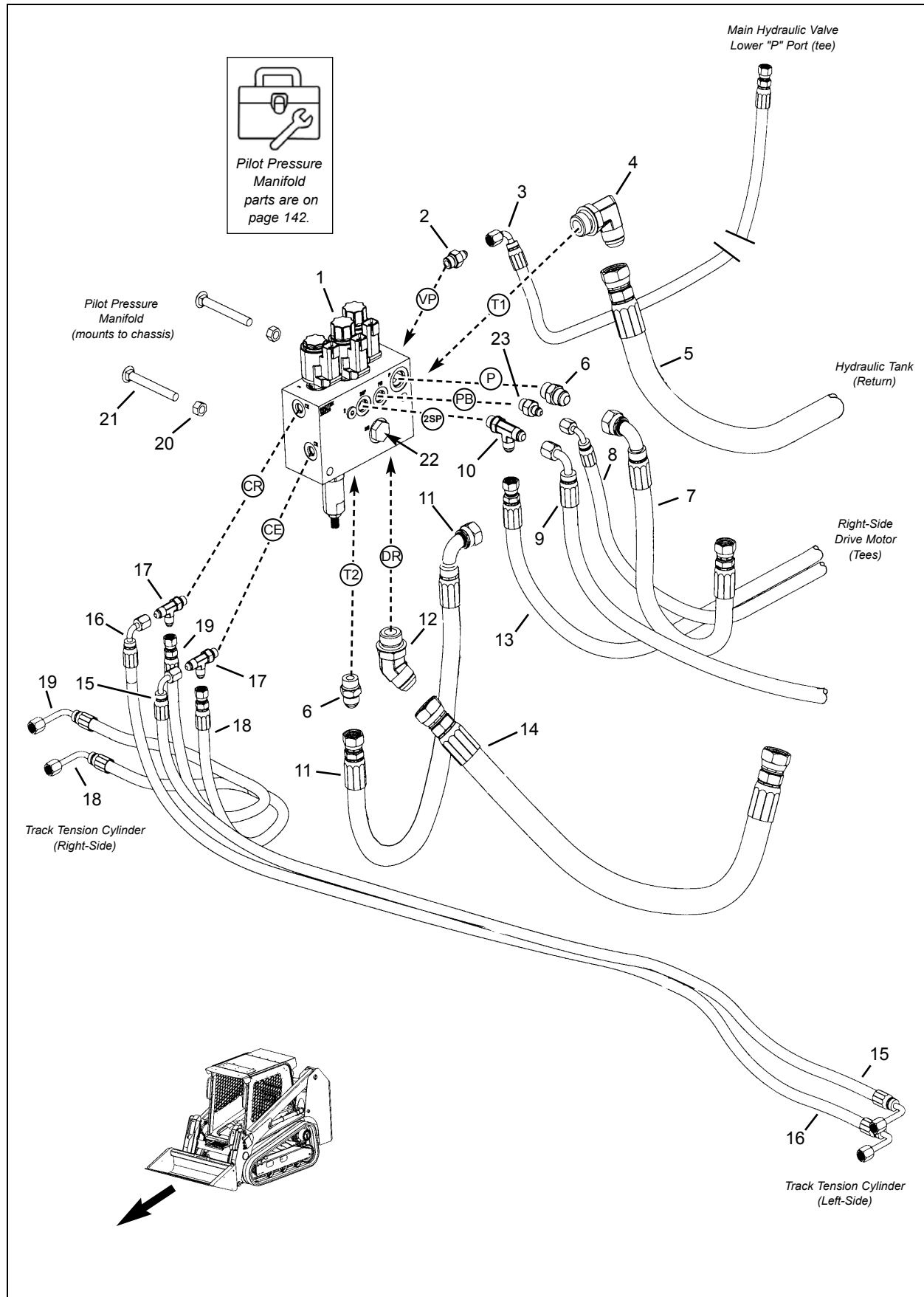
\*



# RT175 - HYDRAULICS

## PILOT PRESSURE MANIFOLD CIRCUIT

(SN 10567 and before)



# RT175 - HYDRAULICS

## PILOT PRESSURE MANIFOLD CIRCUIT

(SN 10567 and before)

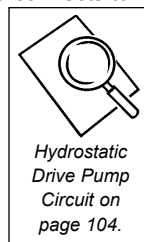
| Item No. | Part No. | Description               | Qty. |
|----------|----------|---------------------------|------|
| 01       | 274477   | PILOT PRESSURE MANIFOLD   | 1    |
| 02       | 50304010 | ST MJ04-MORB06/SP         | 1    |
| 03       | 274384   | HOSE, MP 4 x 35.0 IN.     | 1    |
| 04       | 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       | 274218   | HOSE, MP 4 x 51.5 IN.     | 1    |
| 09       | 274216   | HOSE, MP 6 x 52.5 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       | 274213   | HOSE, MP 6 x 41.5 IN.     | 1    |
| 14       | 274220   | HOSE, MP 12 x 27.0 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       | 274839   | HOSE, MP 4 x 31.0 IN.     | 1    |

| Item No. | Part No.  | Description           | Qty. |
|----------|-----------|-----------------------|------|
| 20       | 071703    | LN 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:

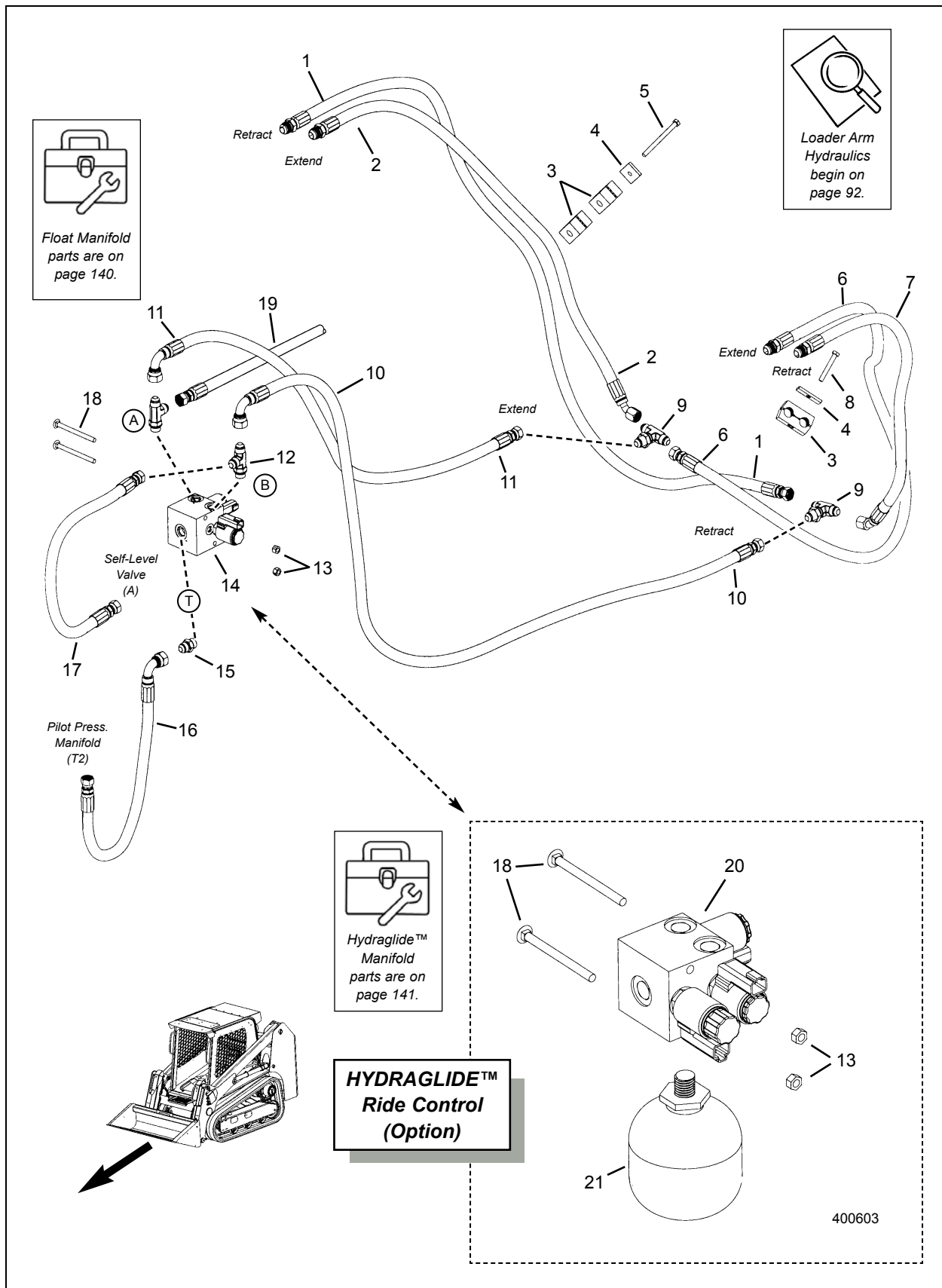
- #03 connects to hydraulic main valve (P) [tee fitting]
- #05 connects to hydraulic tank (RETURN)
- #07 connects to Hydrostatic Drive Pump (right-side) \*
- #08 connects to right-side drive motor (TEE)
- #09 connects to left-side drive motor
- #11 connects to float manifold (T)
- #13 connects to right-side 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

\*



# RT175 - HYDRAULICS

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



# RT175 - 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       | 274394   | HOSE, MP 8 x 72.0 IN.            | 1    |
| 11       | 274393   | HOSE, MP 8 x 44.0 IN.            | 1    |
| 12       | 114742   | TEE RUN MJ08-MAORB08-MJ08        | 2    |
| 13       | 071701   | LN 5/16 CBZY                     | 2    |
| 14       | 274011   | MANIFOLD, FLOAT *                | 1    |
| 15       | 054626   | ST MJ08-MORB08                   | 1    |
| 16       | 274023   | HOSE, MP8 x 23.5 IN.             | 1    |
| 17       | 274370   | HOSE, MP 8 x 26.0 IN.            | 1    |
| 18       | 651712   | CB 5/16 x 4 C5ZY                 | 2    |
| 19       | 274033   | HOSE, MP8 x 18.0 IN.             | 1    |

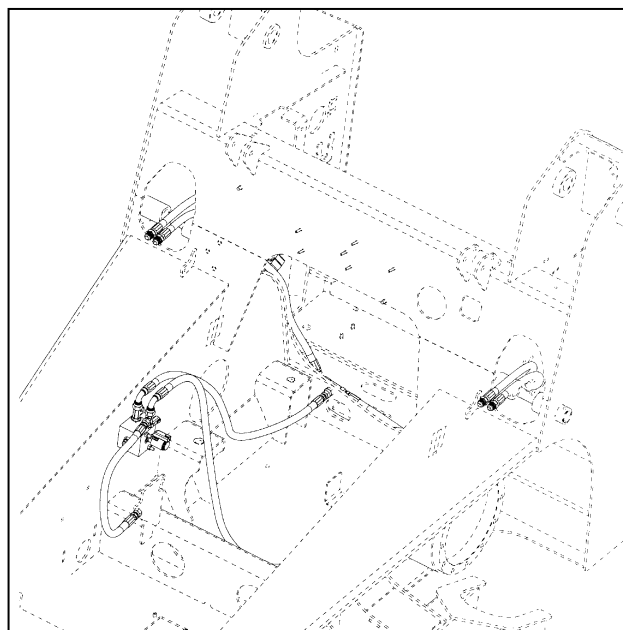
| Item No. | Part No. | Description              | Qty. |
|----------|----------|--------------------------|------|
| 20       | 184363   | MANIFOLD, HYDRAGLIDE™ ** | 1    |
| 21       | 184415   | ACCUMULATOR **           | 1    |

\* 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:

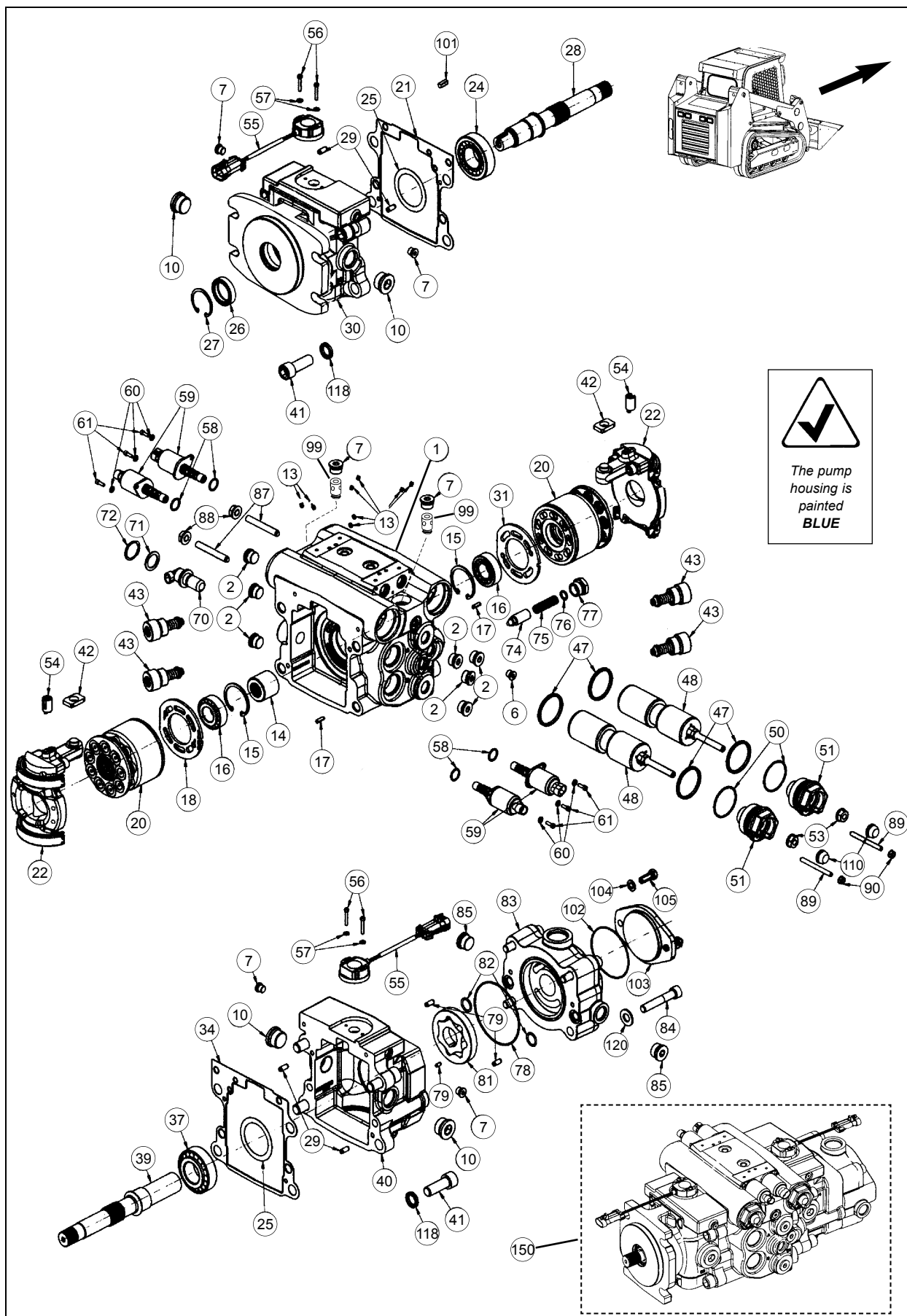
- #01 - right-side lift arm - right-side bulkhead tee
- #02 - right-side lift arm - left-side bulkhead tee
- #06 - left-side lift arm - left-side bulkhead tee
- #07 - left-side lift arm - right-side bulkhead tee
- #10 - left-side tee - float manifold (B)
- #11 - right-side tee - float manifold (A)
- #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**

# RT175 - HYDRAULIC COMPONENTS

## HYDROSTATIC DRIVE PUMP



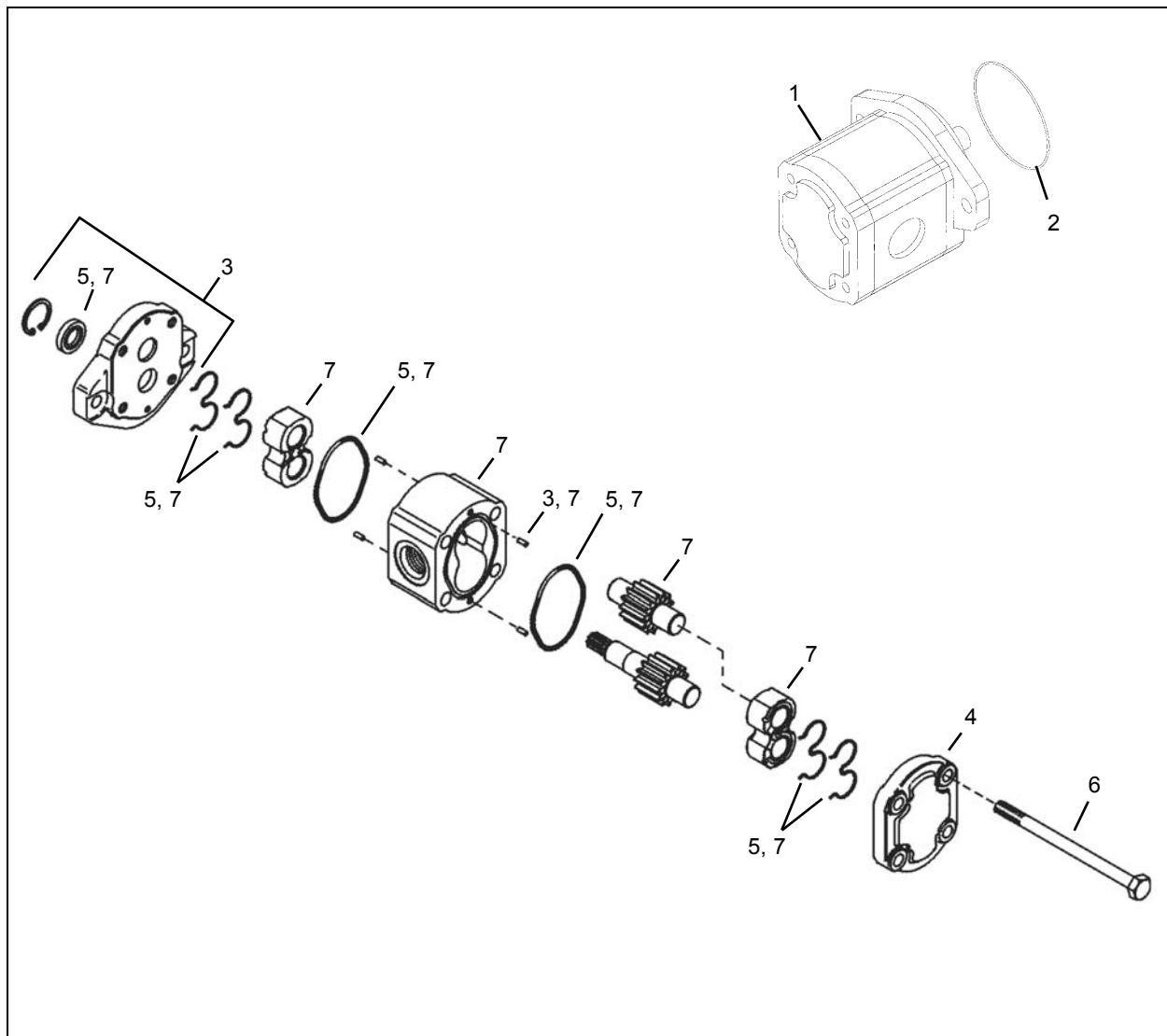
# RT175 - HYDRAULIC COMPONENTS

## 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       | 50280078 | VALVE PLATE, RH (2.50)          | 1    | 76       | 50280113 | SHIM                        | AR   |
| 20       | 50280080 | ROTATING KIT (2.50)             | 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       | 50280091 | VALVE PLATE, LH (2.50)          | 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      | 272862   | PUMP, EH TANDEM HYDRO 41cc  | 1    |
|          |          |                                 |      |          |          | (includes all items shown)  |      |

# RT175 - HYDRAULIC COMPONENTS

## HYDRAULIC PUMP - STANDARD HYDRAULICS



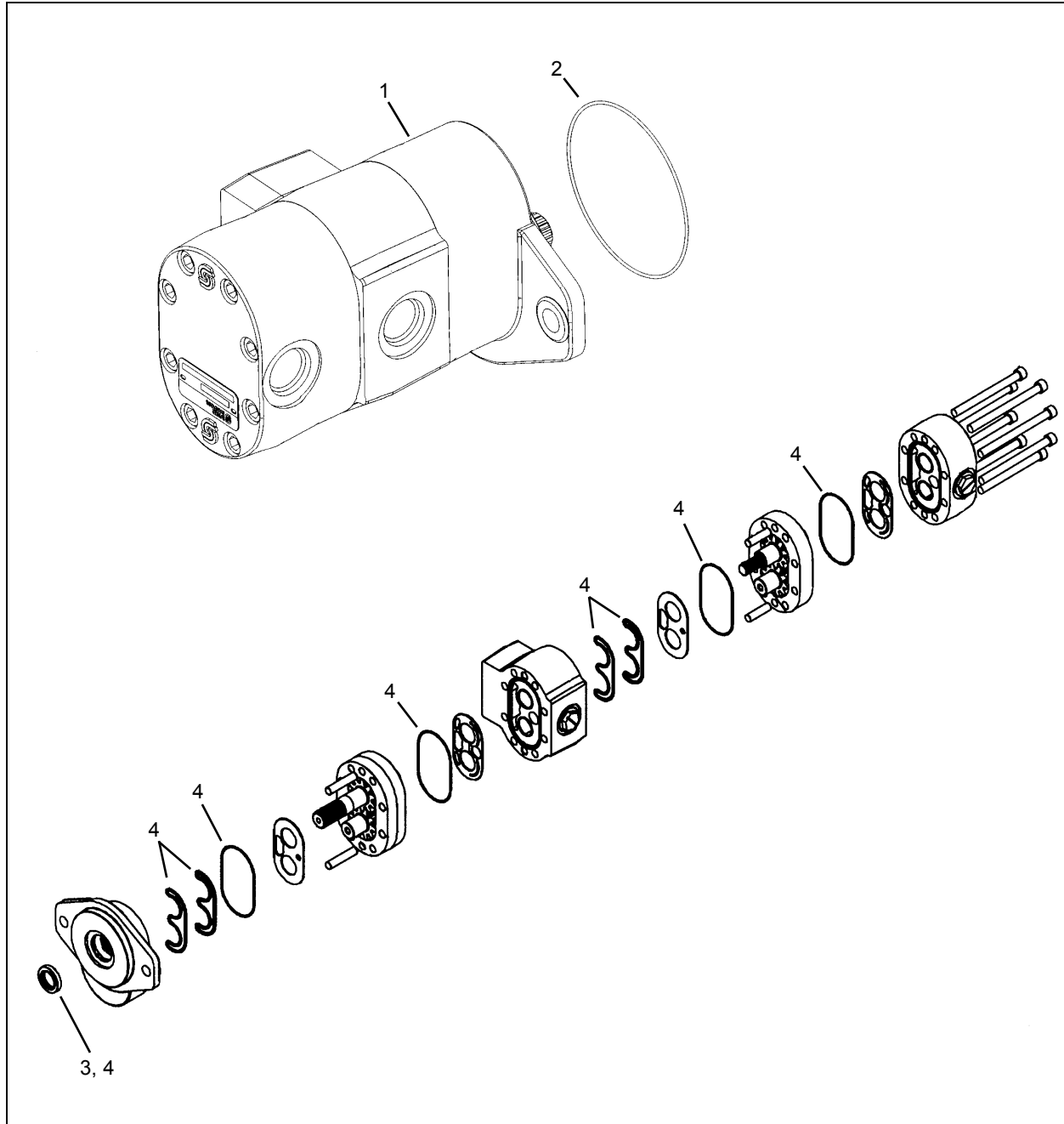
| Item No. | Part No. | Description                                           | Qty. |
|----------|----------|-------------------------------------------------------|------|
| 01       | 132067   | GEAR PUMP, 1.708 SINGLE<br>(includes all items shown) | 1    |
| 02       | 132248   | O-RING                                                | 1    |
| 03       | 132546   | FLANGE KIT                                            | 1    |
|          | NSS      | FLANGE                                                | 1    |
|          | NSS      | SHAFT SEAL                                            | 1    |
|          | NSS      | SNAP RING                                             | 1    |
|          | NSS      | DOWEL PIN                                             | 2    |
| 04       | 132547   | END COVER                                             | 1    |
| 05       | 132541   | SEAL KIT                                              | 1    |
|          | NSS      | SHAFT SEAL                                            | 1    |
|          | NSS      | BACKUP RING                                           | 2    |
|          | NSS      | E-SEAL                                                | 2    |
|          | NSS      | O-RING                                                | 2    |

| Item No. | Part No. | Description  | Qty. |
|----------|----------|--------------|------|
| 06       | 132548   | CS M12x121MM | 4    |
| 07       | 132551   | HOUSING KIT  | 1    |
|          | NSS      | DOWEL PIN    | 2    |
|          | NSS      | O-RING       | 2    |
|          | NSS      | GEAR NO. 1   | 1    |
|          | NSS      | GEAR NO. 2   | 1    |
|          | NSS      | BEARING      | 2    |
|          | NSS      | E-SEAL       | 2    |
|          | NSS      | BACKUP RING  | 2    |
|          | NSS      | DOWEL PIN    | 2    |



# RT175 - HYDRAULIC COMPONENTS

## HYDRAULIC PUMP - HIGH-FLOW HYDRAULICS

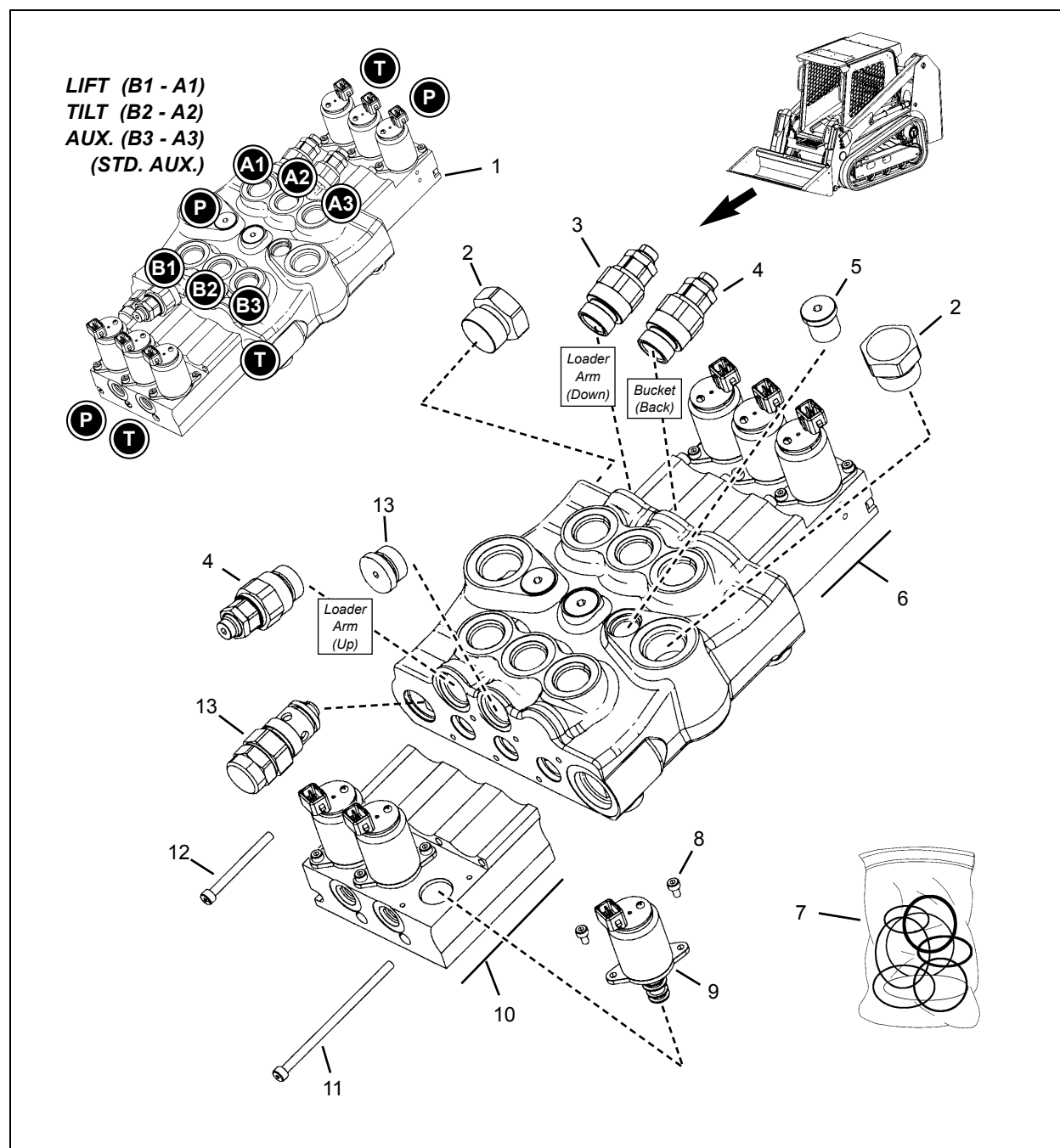


| Item No. | Part No. | Description                                               | Qty. |
|----------|----------|-----------------------------------------------------------|------|
| 01       | 274449   | GEAR PUMP, 29cc+23cc (iron)<br>(includes all items shown) | 1    |
| 02       | 132248   | O-RING                                                    | 1    |
| 03       | 50280056 | SHAFT SEAL                                                | 1    |
| 04       | 50280057 | SEAL KIT                                                  | 1    |
|          | NSS      | SHAFT SEAL                                                | 1    |
|          | NSS      | BACKUP RING                                               | 4    |
|          | NSS      | E-SEAL                                                    | 4    |

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

# RT175 - HYDRAULIC COMPONENTS

## HYDRAULIC MAIN VALVE - (STANDARD HYDRAULICS)

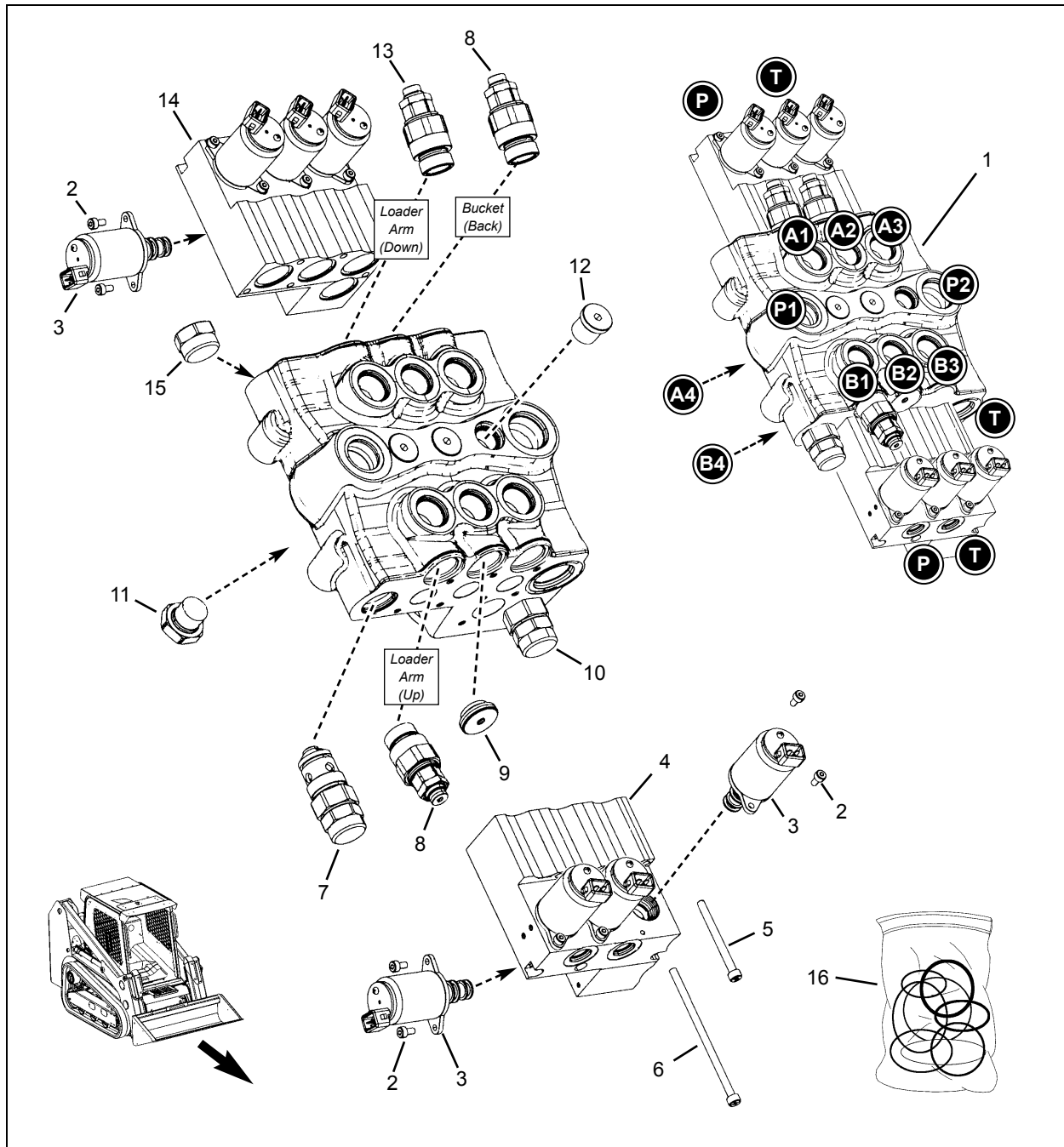


| Item No. | Part No. | Description                                                 | Qty. |
|----------|----------|-------------------------------------------------------------|------|
| 01       | 50302471 | VALVE, 3-SPOOL EH CONTROL<br>(includes all items shown)     | 1    |
| 02       | 103060  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

| Item No. | Part No. | Description                                                 | Qty. |
|----------|----------|-------------------------------------------------------------|------|
| 07       | 50280184 | SEAL KIT (complete valve)<br>(not shown)                    | 1    |
| 08       | NSS      | SOCKET HEAD SCREW, METRIC                                   | 12   |
| 09       | 50280185 | PROPORTIONAL VALVE (12 VDC)                                 | 6    |
| 10       | 50280182 | EH CONTROL 3-SECTION<br>(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    |

# RT175 - HYDRAULIC COMPONENTS

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

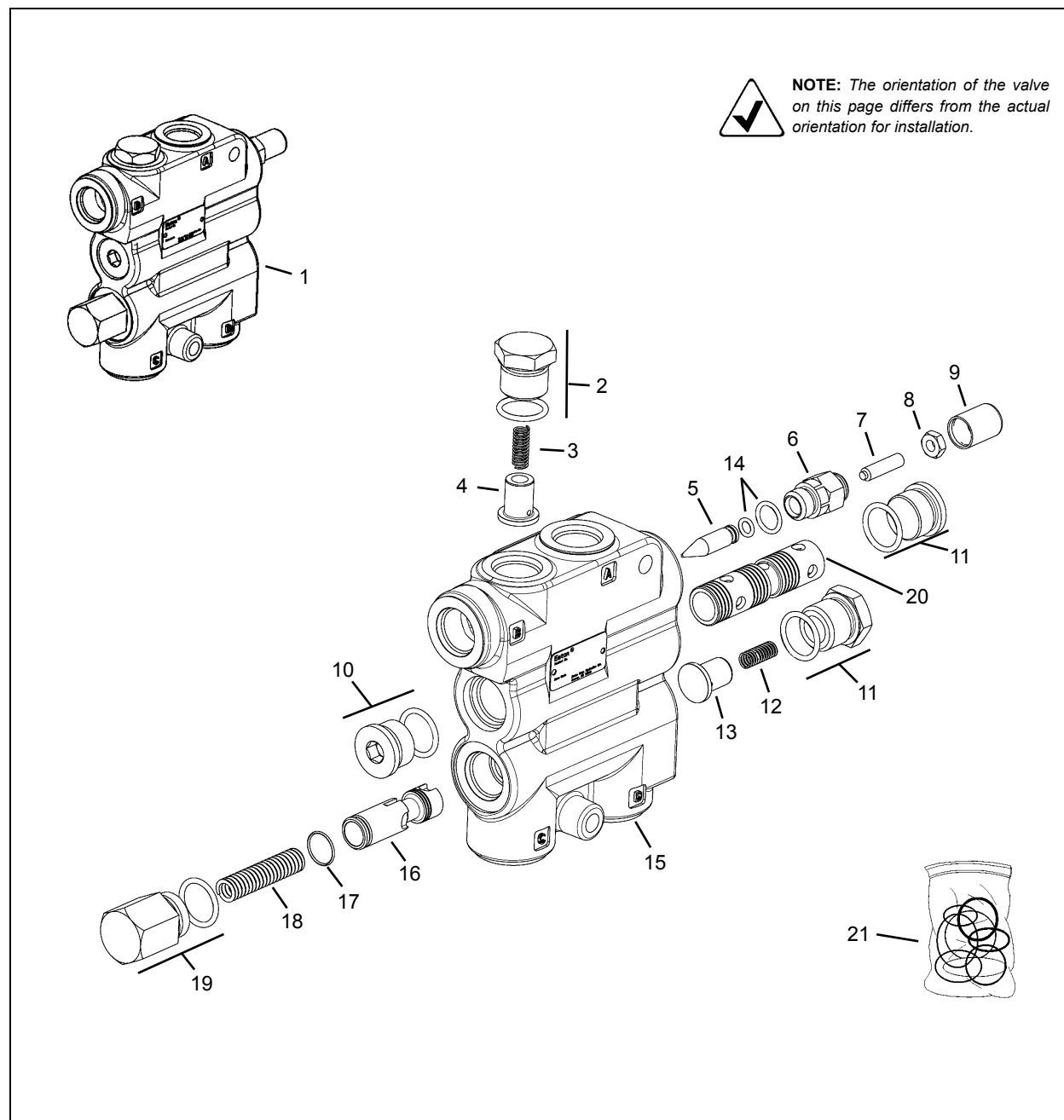


| Item No. | Part No. | Description                                                 | Qty. |
|----------|----------|-------------------------------------------------------------|------|
| 01       | 50302469 | VALVE, 4-SPOOL EH CONTROL<br>(includes all items shown)     | 1    |
| 02       | NSS      | SOCKET HEAD SCREW, METRIC                                   | 16   |
| 03       | 50280185 | PROPORTIONAL VALVE (12 VDC)                                 | 8    |
| 04       | 50280177 | EH CONTROL 4-SECTION<br>(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)<br>(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)<br>(port relief)                   | 1    |
| 14       | 50280180 | EH CONTROL 4-SECTION<br>(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    |

# RT175 - HYDRAULIC COMPONENTS

## SELF-LEVEL VALVE - (STANDARD)

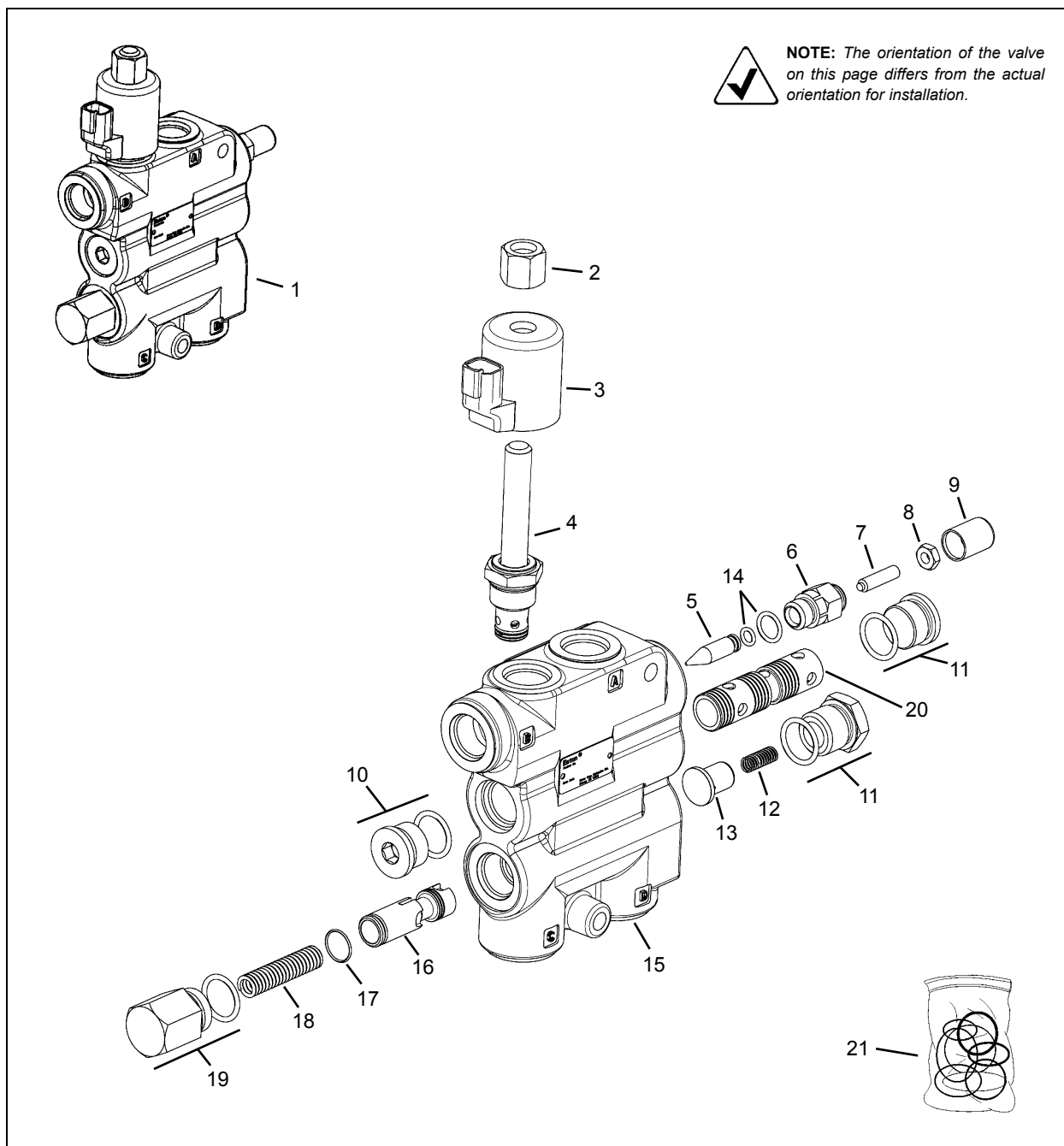


| Item No. | Part No. | Description                                     | Qty. |
|----------|----------|-------------------------------------------------|------|
| 01       | 135367   | VALVE, SELF-LEVEL<br>(includes all items shown) | 1    |
| 02       | 088472   | PLUG ASSEMBLY (includes o-ring)                 | 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<br>(includes item #9 and all o-rings shown) | 1    |

# RT175 - HYDRAULIC COMPONENTS

## SELF-LEVEL VALVE - (SWITCHABLE) (OPTION)

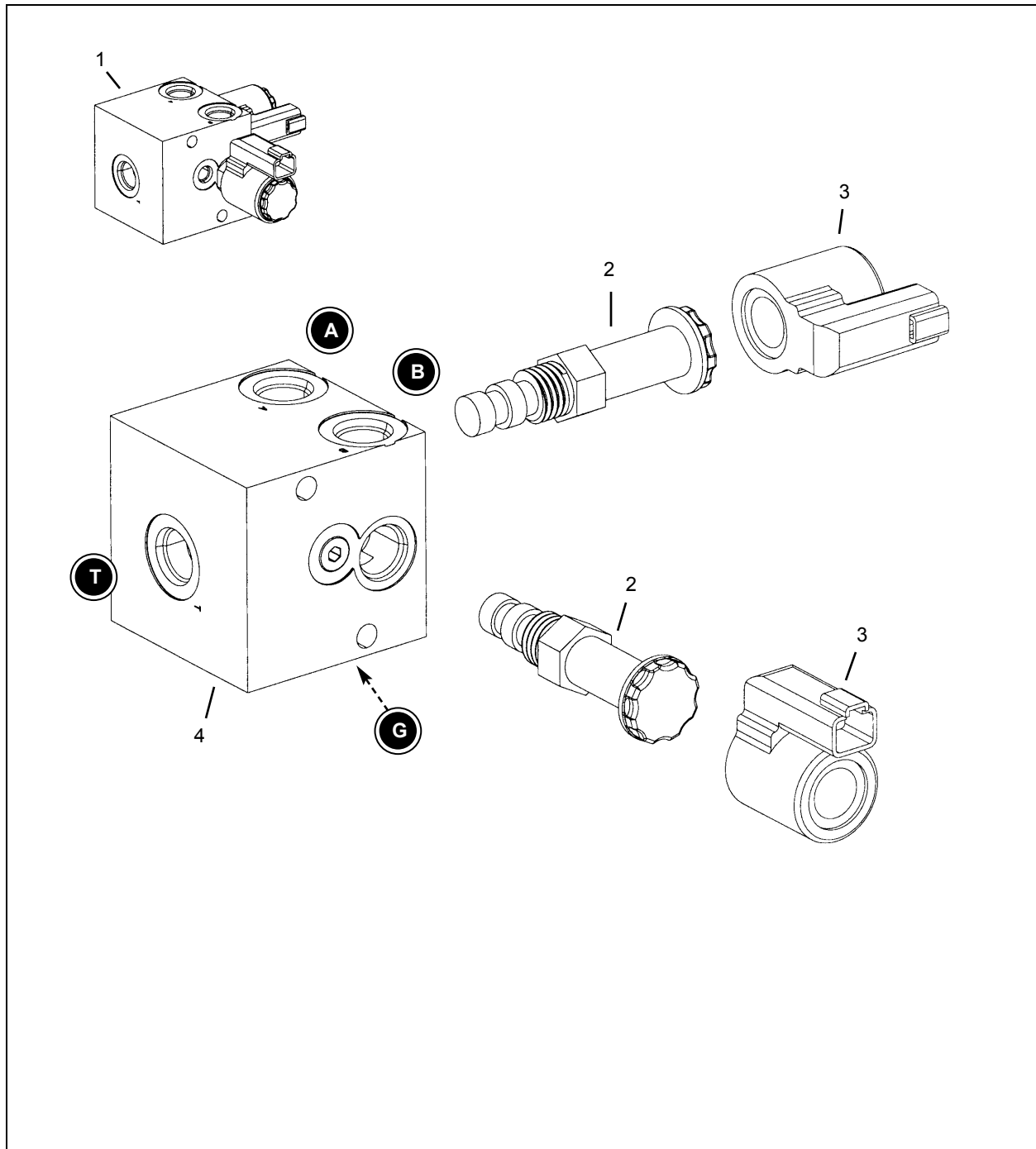


| Item No. | Part No. | Description                                              | Qty. |
|----------|----------|----------------------------------------------------------|------|
| 01       | 271958   | VALVE, SELF-LEVEL W/BYPASS<br>(includes all items shown) | 1    |
| 02       | NSS      | COIL NUT (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<br>(includes item #9 and all o-rings shown) | 1    |

# RT175 - HYDRAULIC COMPONENTS

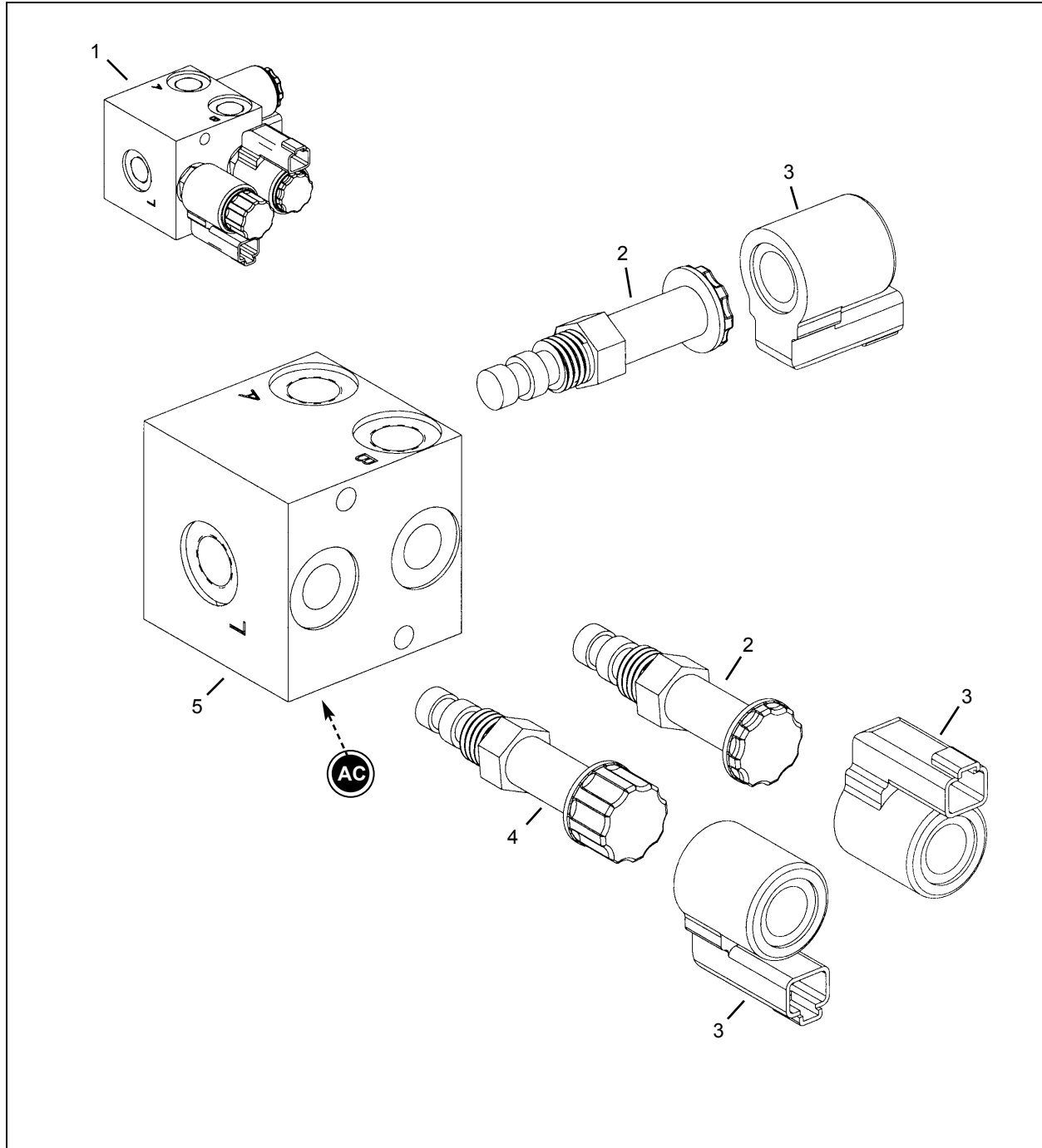
## FLOAT MANIFOLD - (STANDARD)



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

# RT175 - HYDRAULIC COMPONENTS

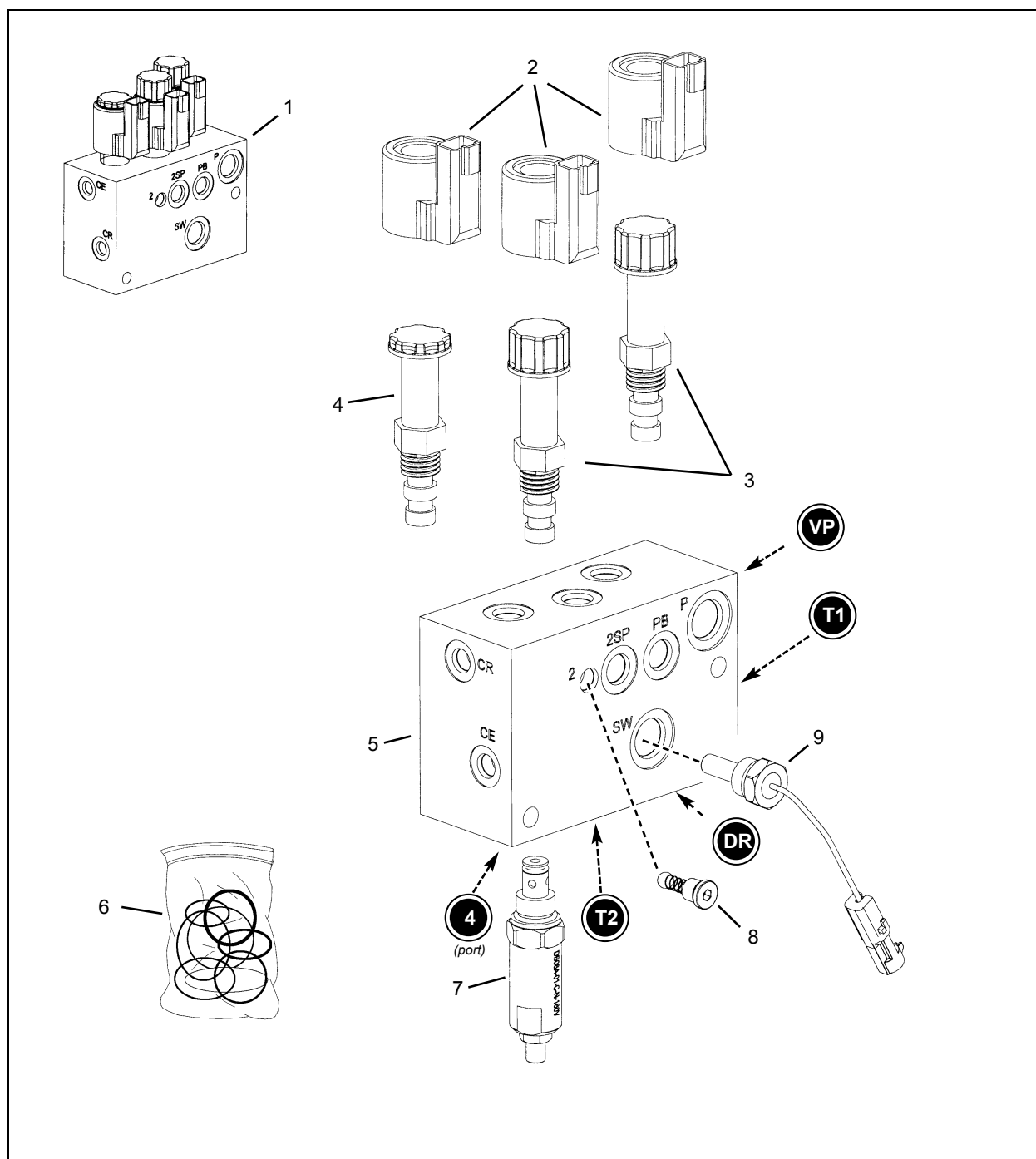
## HYDRAGLIDE™ RIDE CONTROL MANIFOLD - (OPTION)



| Item No. | Part No. | Description                                         | Qty. |
|----------|----------|-----------------------------------------------------|------|
| 01       | 184363   | MANIFOLD, HYDRAGLIDE™<br>(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    |

# RT175 - HYDRAULIC COMPONENTS

## PILOT PRESSURE MANIFOLD



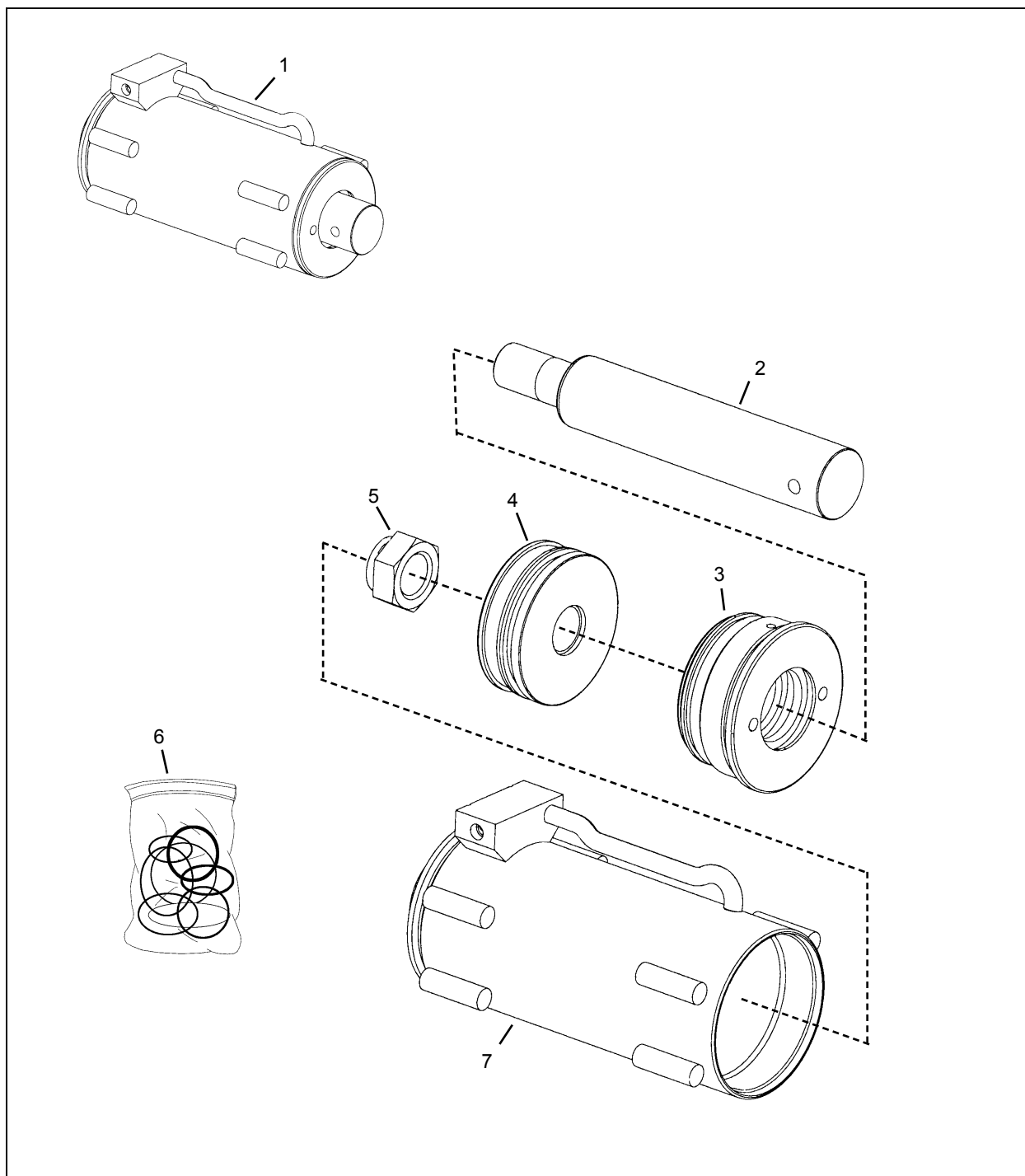
| Item No. | Part No. | Description                                                      | Qty. |
|----------|----------|------------------------------------------------------------------|------|
| 01       | 274477   | MANIFOLD, PILOT PRESSURE<br>(includes all items shown—except #9) | 1    |
| 02       | 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)<br>(includes seal for all cartridges and valves) | 1    |
| 07       | 50280051 | RELIEF VALVE                                                          | 1    |
| 08       | 50280053 | CHECK VALVE                                                           | 1    |
| 09       | 132049   | TEMPERATURE SWITCH<br>(not included with item #1)                     | 1    |



# RT175 - HYDRAULIC COMPONENTS

## TRACK TENSION CYLINDER



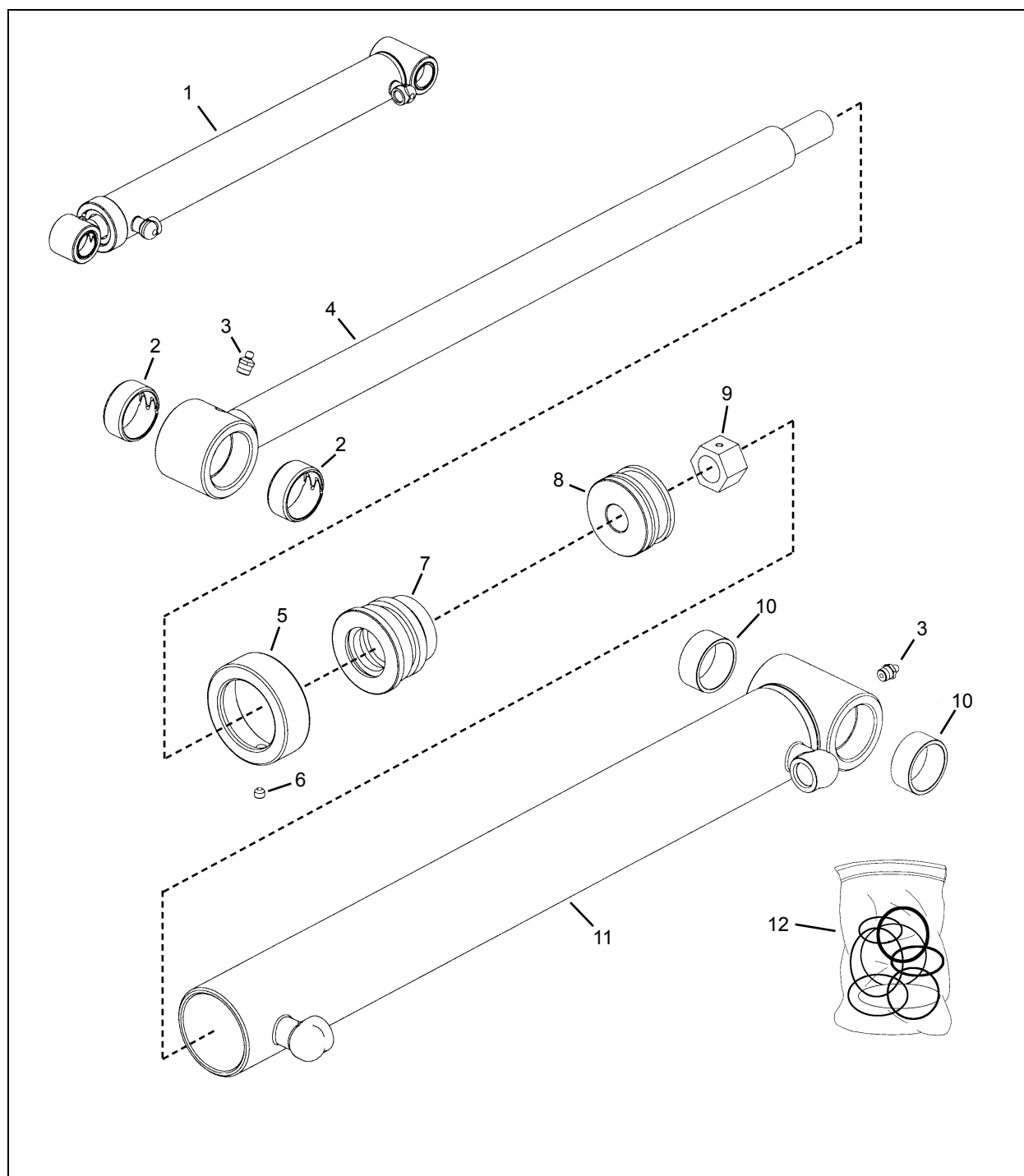
| Item No. | Part No. | Description                                     | Qty. |
|----------|----------|-------------------------------------------------|------|
| 01       | 271414   | CYLINDER, TENSION<br>(includes all items shown) | AR   |
| 02       | 50280049 | CYLINDER ROD                                    | 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.

# RT175 - HYDRAULIC COMPONENTS

## TILT CYLINDER



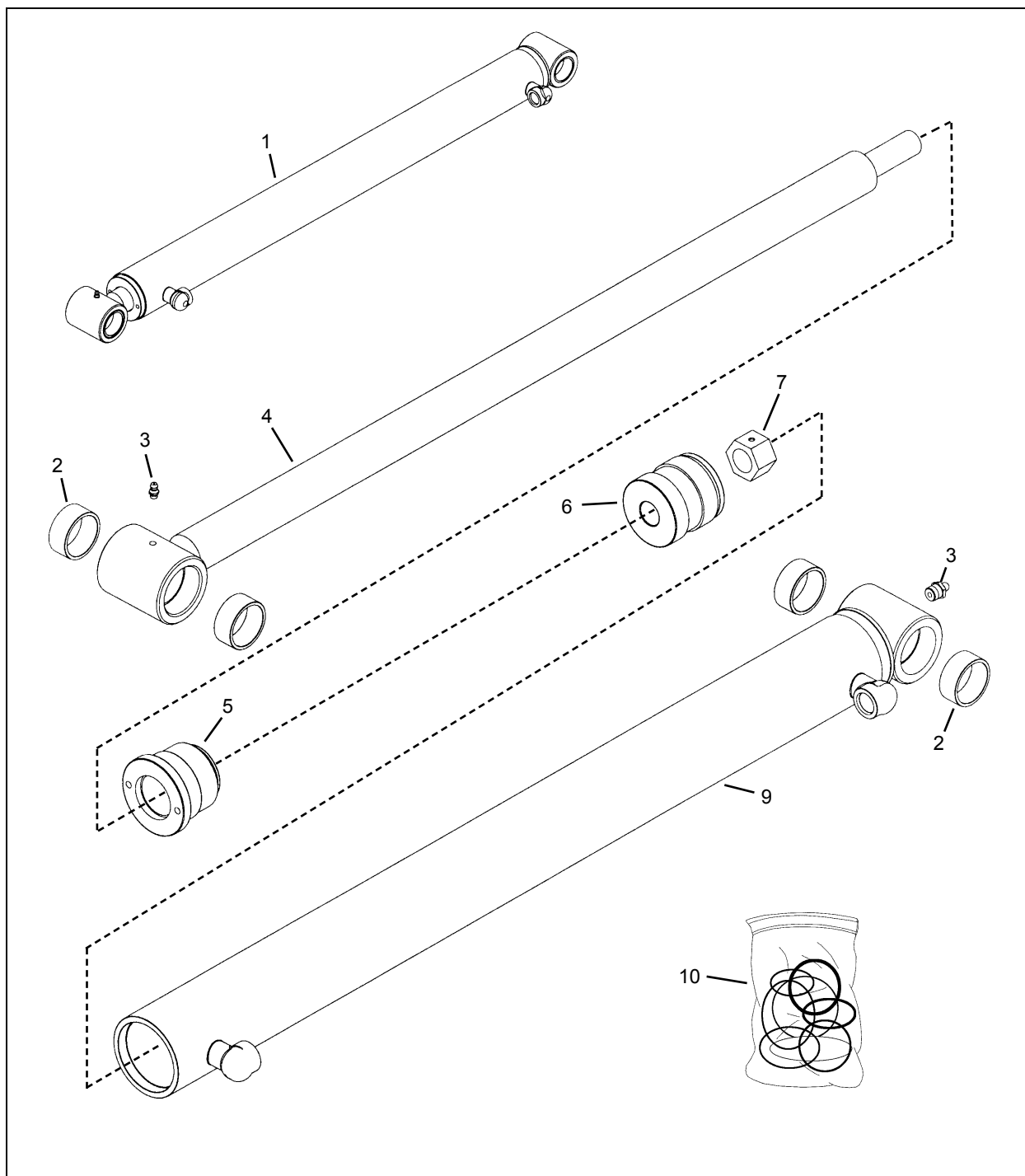
| Item No. | Part No. | Description                                        | Qty. |
|----------|----------|----------------------------------------------------|------|
| 01       | 274676   | CYLINDER, TILT<br>(includes all items shown)       | AR   |
| 02       | 131488   | BUSHING, 1.75/1.50/0.75<br>(included with item #4) | 2    |
| 03       | 570019   | ZERK 1/4"-28 STR. SELF-TAP                         | 2    |
| 04       | 274766   | ROD WELDMENT                                       | 1    |
| 05       | 121554   | HEAD GLAND CAP                                     | 1    |
| 06       | L99857   | SETSCREW, 5/16 x 1/4                               | 1    |
| 07       | 121553   | HEAD GLAND                                         | 1    |

| Item No. | Part No. | Description          | Qty. |
|----------|----------|----------------------|------|
| 08       | 270457   | PISTON               | 1    |
| 09       | 075722   | LN 7/8 FBZ           | 1    |
| 10       | 50280034 | POLYLUBE BEARING     | 2    |
| 11       | 274767   | TUBE WELDMENT        | 1    |
| 12       | 50280036 | SEAL KIT (not shown) | 1    |

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

# RT175 - HYDRAULIC COMPONENTS

## LIFT CYLINDER



| Item No. | Part No.  | Description                                         | Qty. |
|----------|-----------|-----------------------------------------------------|------|
| 01       | 274677    | CYLINDER, LIFT<br>(includes all items shown)        | AR   |
| 02       | 50280034  | POLYLUBE BEARING<br>(two are included with item #4) | 4    |
| 03       | 570019    | ZERK 1/4"-28 STR. SELF-TAP                          | 2    |
| 04       | 274768    | ROD WELDMENT                                        | 1    |
| 05       | 270458    | HEAD GLAND                                          | 1    |
| 06       | 170-35104 | PISTON                                              | 1    |

| Item No. | Part No. | Description          | Qty. |
|----------|----------|----------------------|------|
| 07       | 075722   | LN 7/8 FBZ           | 1    |
| 09       | 274769   | TUBE WELDMENT        | 1    |
| 10       | 50280035 | 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 |

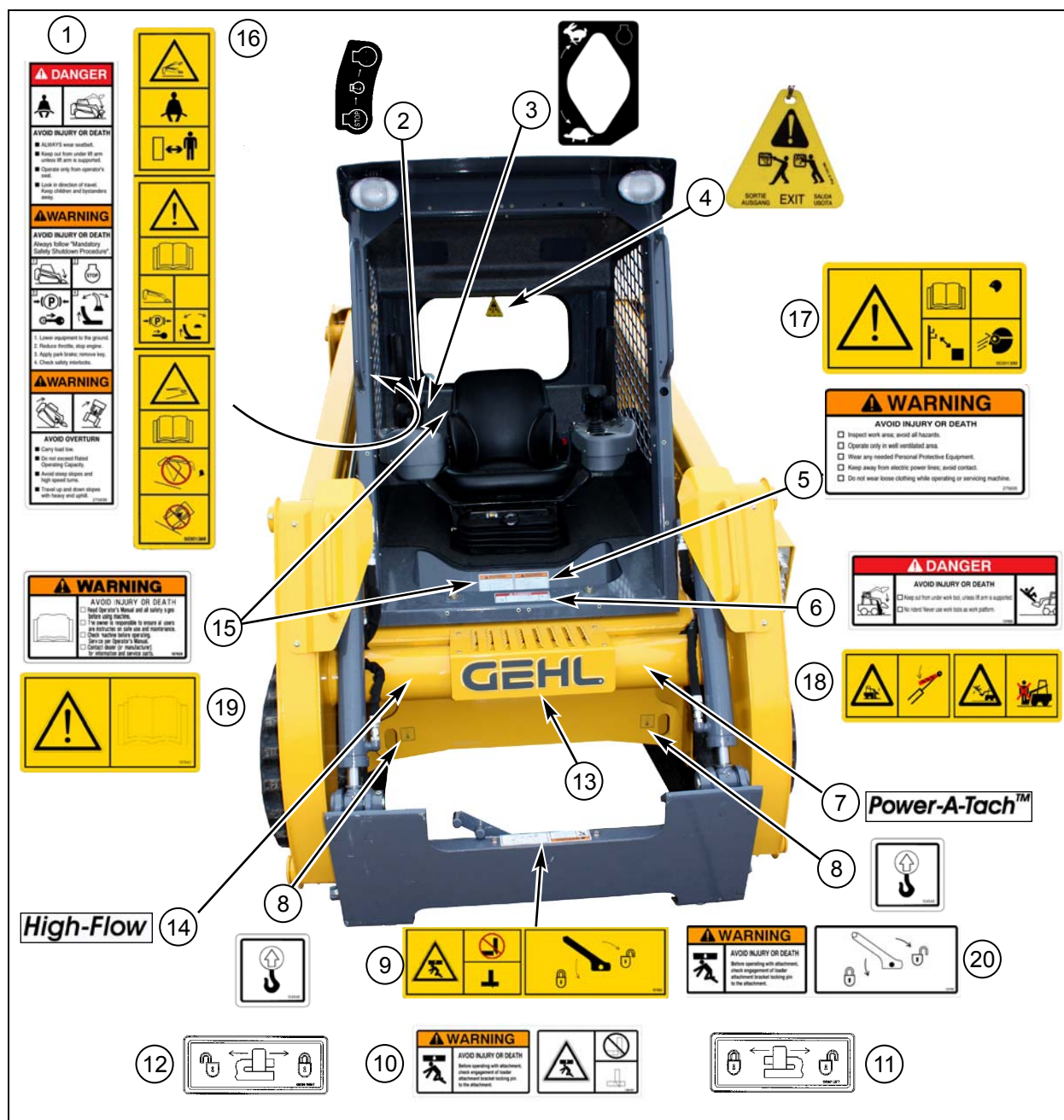


## CAUTION

**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.

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# RT175 - 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                             | 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.

# RT175 - DECALS

## RIGHT SIDE - (LATE STYLE)



| Item No. | Part No. | Description                              | Qty. |
|----------|----------|------------------------------------------|------|
| 01       | 50303541 | DECAL, RT175 TOWER RIGHT                 | 1    |
| 02       | 50303544 | DECAL, LIFT ARM GEHL                     | 1    |
| 03       |          | DECAL, JOYSTICK CONTROL ( <i>right</i> ) | 1    |
|          | 275632   | ISO ( <i>standard</i> )                  |      |
|          | 275634   | 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       | 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™.



# RT175 - DECALS (LATE STYLE) - LEFT SIDE



| Item No. | Part No. | Description                    | Qty. |
|----------|----------|--------------------------------|------|
| 01       | 50303534 | DECAL, RT175 LH                | 1    |
| 02       | 50303544 | DECAL, LIFT ARM GEHL           | 1    |
| 03       |          | DECAL, JOYSTICK CONTROL (left) | 1    |
|          | 275631   | ISO (standard)                 |      |
|          | 275633   | 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       | 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™.

# RT175 - DECALS

## RIGHT SIDE - (EARLY STYLE)



| Item No. | Part No. | Description                     | Qty. |
|----------|----------|---------------------------------|------|
| 01       | 50300034 | DECAL, RT175 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    |

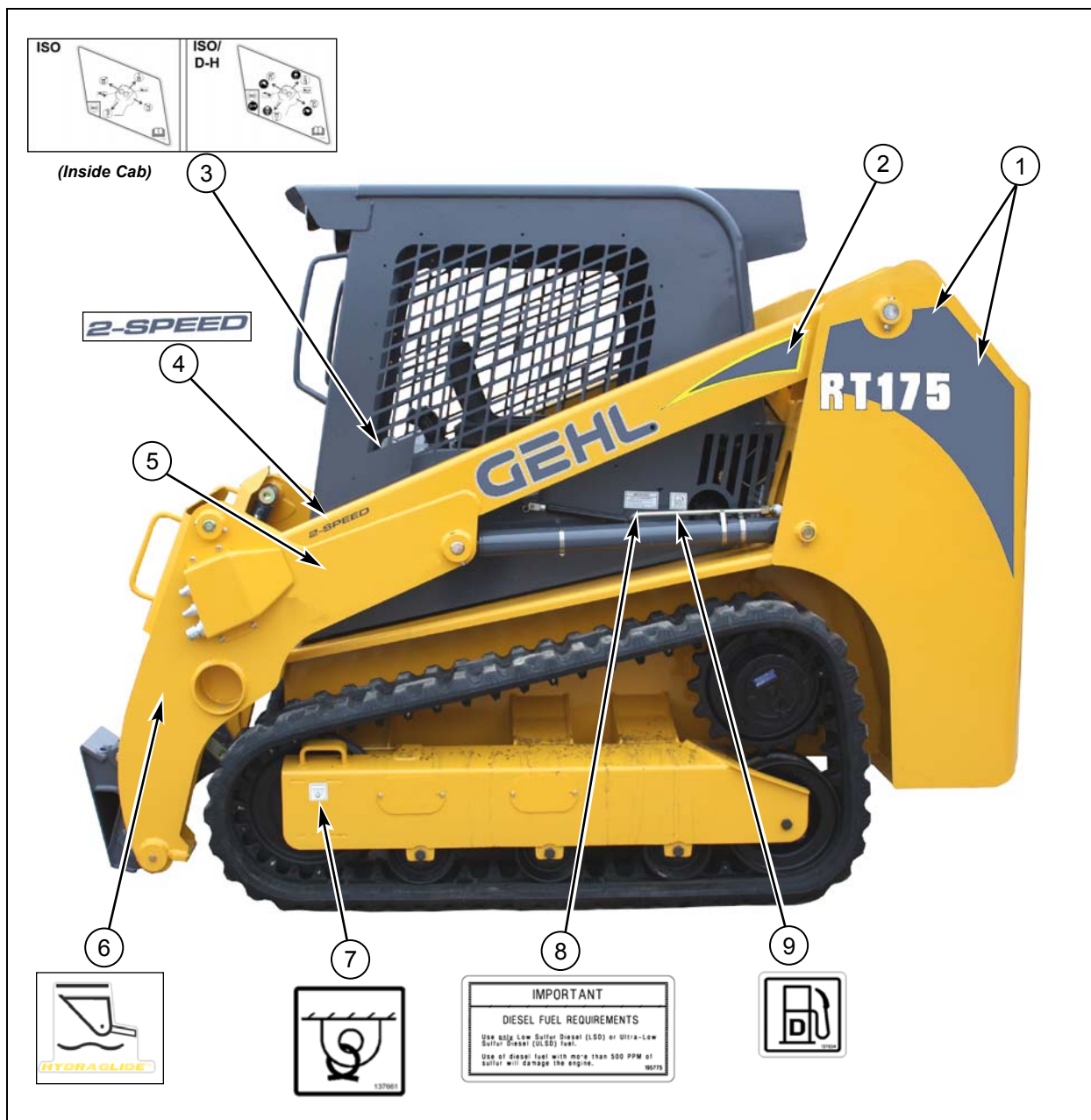
\* Set contains two decals—(1) left side and (1) right side.

\*\* Used on machines equipped with optional Hydraglide™.

\*\*\* Used only on EU machines.



# RT175 - DECALS (EARLY STYLE) - LEFT SIDE



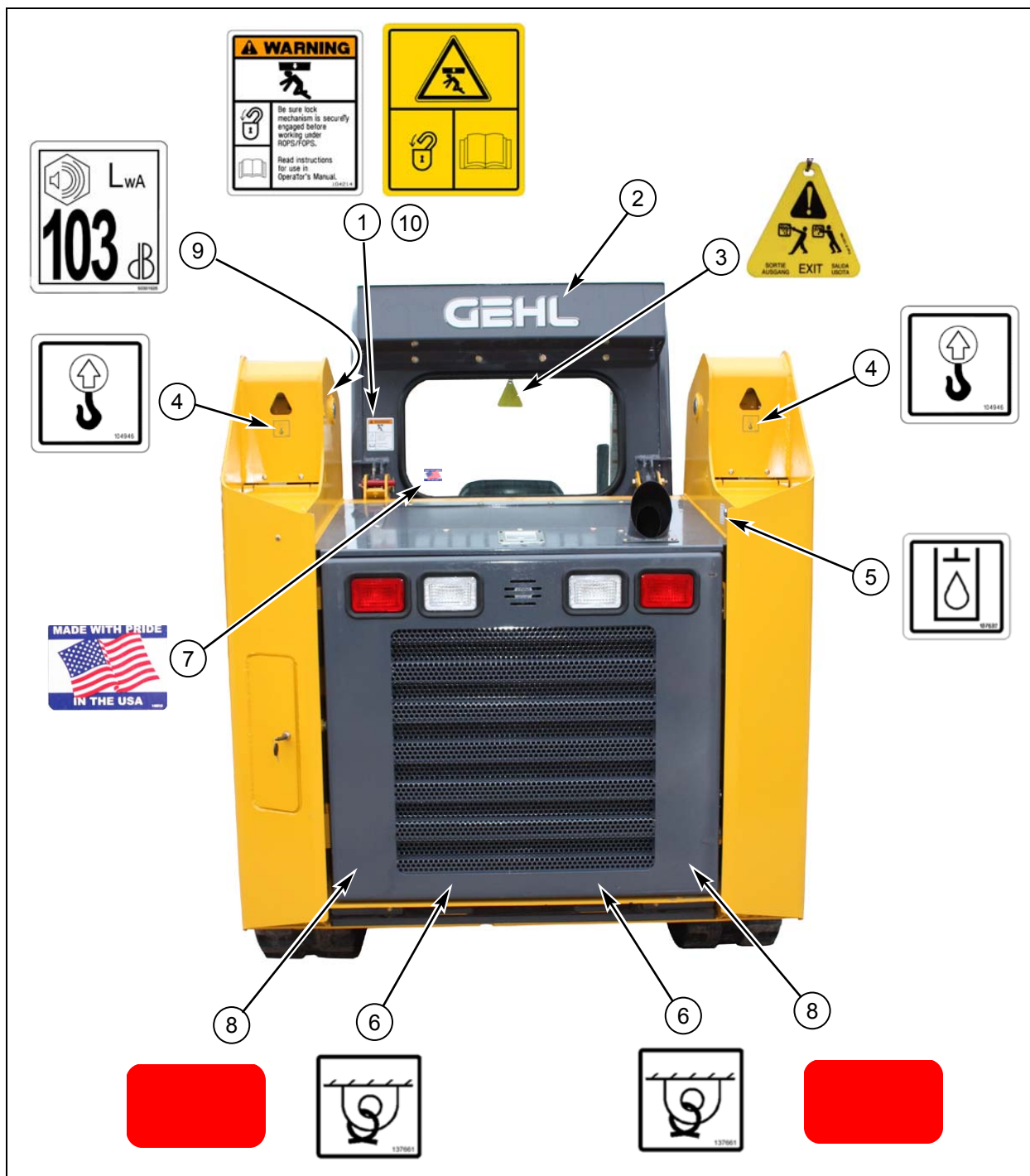
| Item No. | Part No. | Description                    | Qty. |
|----------|----------|--------------------------------|------|
| 01       | 50300035 | DECAL, RT175 LH                | 1    |
| 02       | 50300033 | DECAL, SWOOSH (set) *          | 1    |
| 03       |          | DECAL, JOYSTICK CONTROL (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™.

# RT175 - DECALS REAR

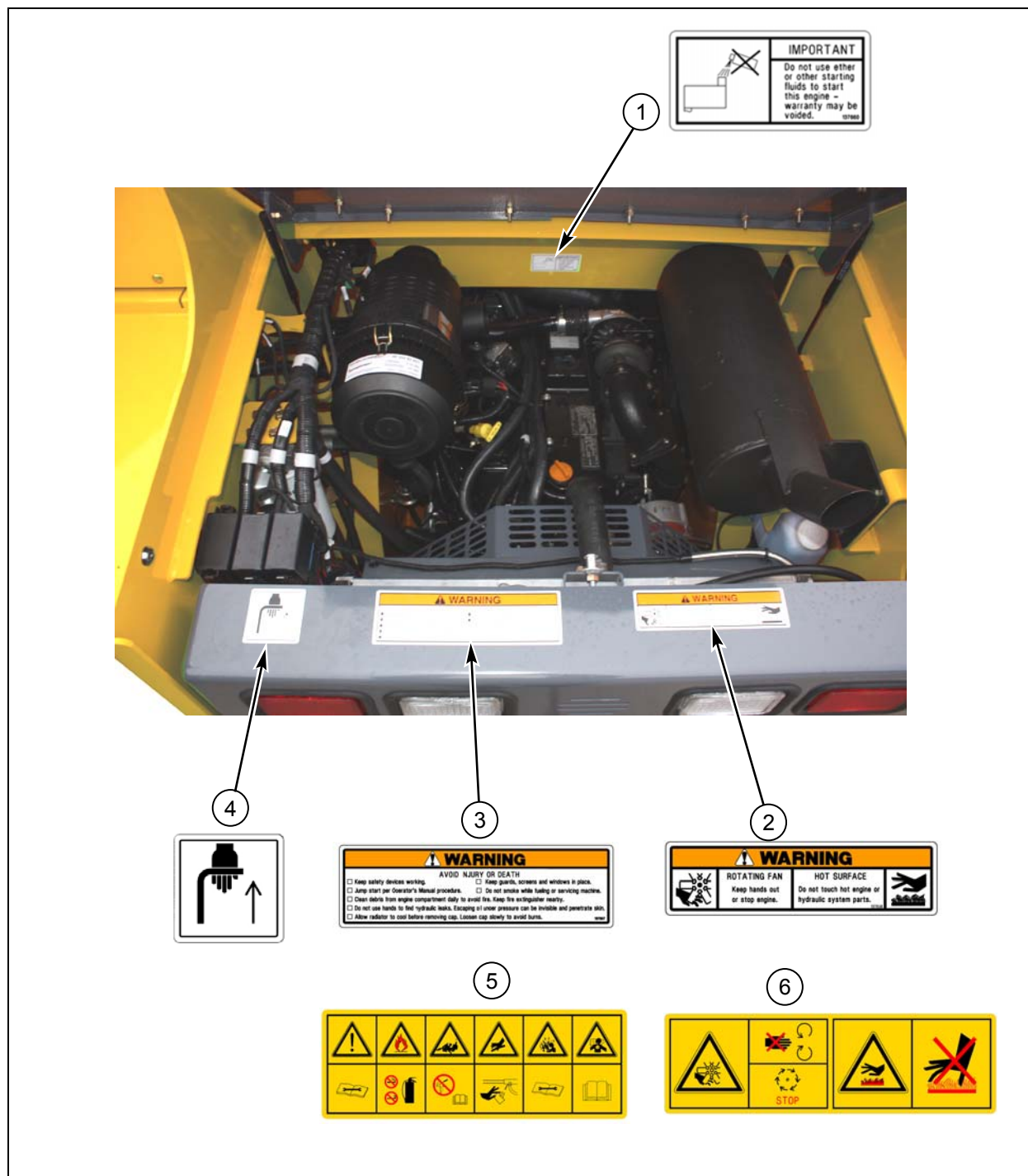


| Item No. | Part No. | Description                                                                                                                                                      | Qty. |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 01       | 184214   | DECAL, LOCK MECHANISM<br>(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). | 2    |
| 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    |
| (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). |          |                            |      |

\* Used only on EU machines.

# RT175 - 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.

# RT175 - NUMERICAL INDEX

| Part No.  | Page No. | Item No. | Part No. | Page No. | Item No. | Part No. | Page No. | Item No. | Part No. | Page No. | Item No. |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 005073    | 16       | 05       | 067849   | 57       | 11       | 072806   | 111      | 03       | 087850   | 23       | 21       |
| 005073    | 48       | 16       | 068034   | 29       | 08       | 072806   | 113      | 03       | 087852   | 89       | 29       |
| 030-31941 | 07       | 40       | 068034   | 31       | 21       | 072806   | 115      | 03       | 087852   | 91       | 11       |
| 048953    | 81       | 03       | 068034   | 85       | 05       | 072806   | 117      | 13       | 088471   | 138      | 03       |
| 054626    | 63       | 08       | 068034   | 89       | 08       | 072806   | 119      | 13       | 088471   | 138      | 12       |
| 054626    | 93       | 11       | 068256   | 09       | 32       | 072806   | 127      | 25       | 088471   | 139      | 12       |
| 054626    | 127      | 06       | 068938   | 97       | 08       | 072916   | 13       | 13       | 088472   | 138      | 02       |
| 054626    | 129      | 06       | 068938   | 99       | 08       | 072916   | 20       | 09       | 088472   | 138      | 11       |
| 054626    | 131      | 15       | 070634   | 09       | 10       | 072916   | 42       | 04       | 088472   | 139      | 11       |
| 054818    | 109      | 04       | 070634   | 11       | 19       | 072916   | 43       | 07       | 088473   | 138      | 04       |
| 054820    | 111      | 17       | 070634   | 11       | 26       | 072916   | 77       | 03       | 088473   | 138      | 13       |
| 054820    | 113      | 17       | 070634   | 13       | 06       | 073024   | 68       | 06       | 088473   | 139      | 13       |
| 054820    | 117      | 08       | 070634   | 67       | 11       | 073024   | 69       | 06       | 088912   | 87       | 18       |
| 054820    | 119      | 08       | 070634   | 91       | 07       | 074091   | 89       | - -      | 089001   | 125      | 13       |
| 054820    | 121      | 08       | 070648   | 26       | 20       | 074830   | 05       | 02       | 089099   | 123      | 03       |
| 054820    | 127      | 10       | 070648   | 27       | 20       | 074830   | 101      | 02       | 089961   | 138      | 18       |
| 054820    | 129      | 10       | 070648   | 28       | 09       | 075722   | 144      | 09       | 089961   | 139      | 18       |
| 054994    | 96       | 09       | 070648   | 28       | 18       | 075722   | 145      | 07       | 090666   | 53       | 34       |
| 054994    | 111      | 18       | 070648   | 29       | 13       | 076031   | 103      | 15       | 090666   | 57       | 08       |
| 054994    | 113      | 18       | 070648   | 29       | 19       | 076031   | 105      | 11       | 091039   | 111      | 16       |
| 054994    | 117      | 14       | 071401   | 23       | 26       | 076031   | 123      | 13       | 091039   | 113      | 16       |
| 054994    | 119      | 14       | 071401   | 47       | 01       | 076078   | 53       | 25       | 091039   | 117      | 12       |
| 055005    | 75       | 24       | 071401   | 47       | 16       | 076143   | 111      | 15       | 091039   | 119      | 12       |
| 055005    | 101      | 04       | 071401   | 53       | 03       | 076143   | 113      | 15       | 091039   | 127      | 24       |
| 055005    | 103      | 09       | 071401   | 85       | 17       | 076143   | 115      | 15       | 091666   | 57       | 22       |
| 055005    | 105      | 08       | 071401   | 89       | 19       | 076588   | 47       | 09       | 091667   | 57       | 21       |
| 055005    | 107      | 12       | 071700   | 41       | 21       | 076589   | 45       | 22       | 095456   | 111      | 20       |
| 055005    | 109      | 10       | 071700   | 45       | 17       | 076589   | 85       | 22       | 095456   | 113      | 20       |
| 055005    | 127      | 04       | 071700   | 48       | 10       | 076880   | 99       | 09       | 095456   | 117      | 11       |
| 055005    | 129      | 04       | 071700   | 85       | 30       | 078931   | 71       | 04       | 095456   | 119      | 11       |
| 055021    | 57       | 09       | 071700   | 85       | 45       | 079026   | 99       | 11       | 095619   | 53       | 29       |
| 055030    | 75       | 08       | 071701   | 09       | 16       | 079092   | 75       | 17       | 095955   | 35       | 04       |
| 055064    | 99       | 19       | 071701   | 09       | 28       | 079097   | 93       | 04       | 098534   | 125      | 11       |
| 055064    | 107      | 09       | 071701   | 09       | 33       | 079098   | 41       | 23       | 100541   | 97       | 01       |
| 055064    | 127      | 12       | 071701   | 11       | 14       | 079098   | 91       | 09       | 100541   | 125      | 12       |
| 055064    | 129      | 12       | 071701   | 48       | 12       | 079098   | 96       | 10       | 102524   | 89       | 33       |
| 055648    | 17       | 00       | 071701   | 53       | 22       | 079098   | 97       | 03       | 102525   | 89       | 34       |
| 055648    | 53       | 39       | 071701   | 59       | 10       | 079098   | 131      | 04       | 103052   | 137      | 11       |
| 055648    | 57       | 16       | 071701   | 75       | 20       | 079209   | 43       | 05       | 103060   | 136      | 02       |
| 055648    | 59       | 07       | 071701   | 89       | 32       | 080556   | 63       | 15       | 103060   | 137      | 15       |
| 055648    | 89       | - -      | 071701   | 123      | 12       | 080808   | 138      | 05       | 103099   | 55       | 11       |
| 055896    | 81       | 02       | 071701   | 131      | 13       | 080808   | 139      | 05       | 103099   | 55       | 21       |
| 055897    | 81       | 01       | 071703   | 11       | 10       | 080809   | 138      | 06       | 103099   | 55       | 22       |
| 057557    | 07       | 02       | 071703   | 41       | 06       | 080809   | 139      | 06       | 104052   | 35       | 12       |
| 062023    | 67       | 02       | 071703   | 57       | 09       | 080810   | 138      | 08       | 104121   | 09       | 30       |
| 062023    | 68       | 10       | 071703   | 67       | 16       | 080810   | 139      | 08       | 104416   | 45       | 06       |
| 062023    | 68       | 11       | 071703   | 71       | 03       | 080811   | 138      | 07       | 104416   | 48       | 06       |
| 062023    | 69       | 10       | 071703   | 73       | 15       | 080811   | 139      | 07       | 104769   | 55       | 13       |
| 062023    | 69       | 11       | 071703   | 73       | 27       | 080813   | 138      | 10       | 104769   | 55       | 16       |
| 062023    | 75       | 27       | 071703   | 75       | 07       | 080813   | 139      | 10       | 104769   | 55       | 17       |
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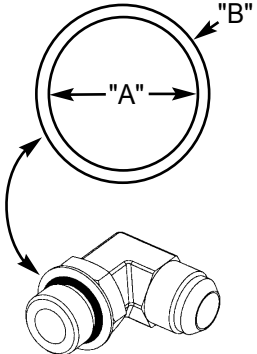
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| Window, Top .....                    | .07         |
| Wiper Blade .....                    | .09, 11     |
| Wiper Motor .....                    | .09, 11     |
| Wire Harness, 14-Pin Aux. ....       | .91         |
| Wire Harness, Alternator .....       | .57         |
| Wire Harness, Chassis .....          | .53         |
| Wire Harness, Door Switch Jump ..... | .09, 11, 59 |
| Wire Harness, Engine .....           | .57         |
| Wire Harness, Operator .....         | .58         |
| Wire Harness, QA Power .....         | .89         |
| Wire Harness, Quickattach .....      | .89         |
| Wire Harness, Rear Door .....        | .45         |
| Wire Harness, Rear Wiper .....       | .17         |
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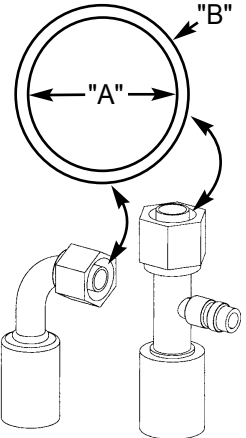
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## O-RING TABLES

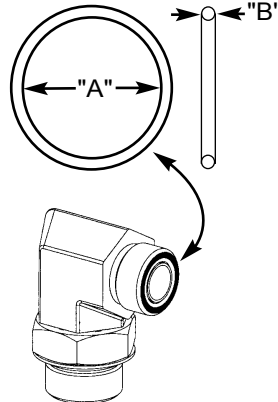
### O-Ring Table — Male Boss Fittings

|  | 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    |
|                                                                                     |                     |           |              |               |             |

## RT175 - 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<br>(lb.-ft.) |         | Newton Meter<br>(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<br>(lb.-ft.) |         | Newton Meter<br>(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     |

# RT175 - 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<br>Coarse-Pitch<br>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<br>Coarse-Pitch<br>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<br>Fine-Pitch<br>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) |

# RT175 - 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<br>National<br>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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