



Rear Remote Hydraulic Kit

Sand Pro®/Infield Pro® 3040 and 5040 Traction Unit

Model No. 08781—Serial No. 315000001 and Up

Installation Instructions

⚠ WARNING

CALIFORNIA Proposition 65 Warning

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

⚠ WARNING

Hydraulic fluid escaping under pressure can penetrate skin and cause injury.

- Make sure that all hydraulic fluid hoses and lines are in good condition and all hydraulic connections and fittings are tight before applying pressure to the hydraulic system.
- Keep your body and hands away from pin-hole leaks or nozzles that eject high-pressure hydraulic fluid.
- Use cardboard or paper to find hydraulic leaks.
- Safely relieve all pressure in the hydraulic system before performing any work on the hydraulic system.
- Seek immediate medical attention if fluid is injected into skin.

Whenever you need service, genuine Toro parts, or additional information, contact an Authorized Service Dealer or Toro Customer Service and have the model and serial numbers of your product ready. [Figure 1](#) identifies the location of the model and serial numbers on the product. Write the numbers in the space provided.

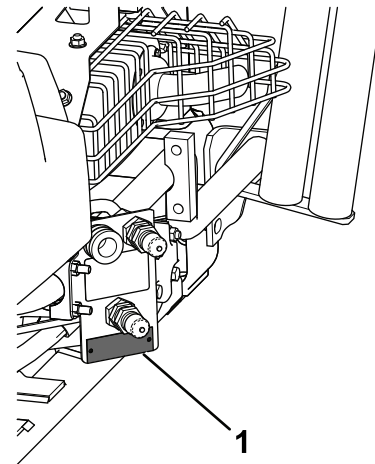


Figure 1

g220043

1. Location of the model and serial numbers

Model No. _____

Serial No. _____

Note: Determine the left and right sides of the machine from the normal operating position.

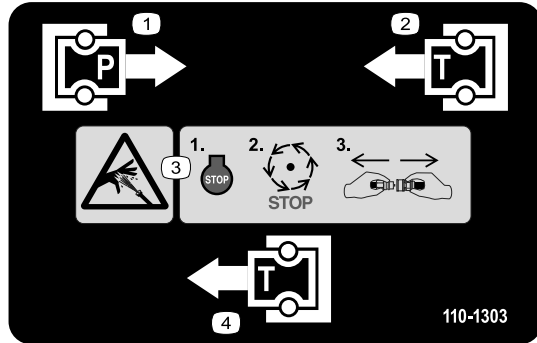


Safety

Safety and Instructional Decals



Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or missing.



decal110-1303

110-1303

- | | |
|-------------|--|
| 1. Pressure | 3. High pressure fluid,
injection into body
hazard—stop the engine,
stop the implement,
and disconnect the
quick-connect ports. |
| 2. Tank | 4. Tank |
-

Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
1	No parts required	–	Prepare the machine.
2	No parts required	–	Remove the air cleaner.
3	No parts required	–	Remove the hydraulic reservoir and shrouds.
4	Small 90-degree tee with barb	1	Install fittings to the hydraulic tank.
	Large 90-degree elbow (threaded both ends)	1	
	Strainer	1	
5	Retainer bracket	1	Install the coupler bracket to the rear frame.
	Muffler clamp	2	
	Hose-retainer bracket	1	
	Coupler bracket	1	
6	Valve	1	Install the manifold and bracket.
	Valve plate	1	
	Bolt (1/4 x 1-3/4 inches)	2	
	Nut (1/4 inch)	2	
	Small 90-degree elbow	1	
	Tee fitting	1	
	Thread-forming screw (9/32 x 3/4 inch)	2	
	Tee adapter	1	
	Relay	1	
	Cap	1	
7	Hydraulic cap	1	Install the hydraulic lines.
	Hydraulic line number 1	1	
	Hydraulic line number 2	1	
	Hydraulic line (hose) number 5	1	
8	Hydraulic pump	1	Install the hydraulic pump.
	45-degree fitting (male ends)	1	
	Hub assembly	1	
	Square key (1/4 x 1 inch)	1	
	Setscrew (5/16 x 3/4 inch)	4	
	Pump bracket	1	
	Bolt (with thread-locking compound) (5/16 x 3/4 inch)	2	
	Washer (3/8 inch)	2	
	Large 90-degree elbow (with hose barbed end)	1	
9	Hydraulic line number 3	1	Install the hydraulic lines.
	Hydraulic line number 4	1	

Procedure	Description	Qty.	Use
10	Large hydraulic hose	1	Install the hydraulic hoses.
	Hydraulic hose with fittings	1	
	Large hose clamp	2	
	Small hose clamp	2	
	Small molded hydraulic hose	1	
	R-clamp	1	
	Bolt (5/16 x 7/8 inch)	1	
	Flange nut (5/16 inch)	1	
11	No parts required	–	Tighten all connections.
12	Harness	1	Install the switch and harness.
	Switch	1	
	Fuse	1	
13	Dipstick	1	Install the hydraulic fluid and check for leaks.
	Hydraulic fluid	25.5 L (6-3/4 US gallons)	

1

Preparing the Machine

No Parts Required

Procedure

1. Park the machine on a level surface.
2. Lower the attachments.
3. Engage the parking brake.
4. Shut off the engine and remove the key.
5. Thoroughly clean the machine. Remove all debris to ensure that the mounting brackets will fit properly and that no dirt or debris gets into the hydraulic system.

3. Remove the inside bolt holding the air cleaner in place.
4. Remove the air-cleaner cover and filter ([Figure 2](#)).

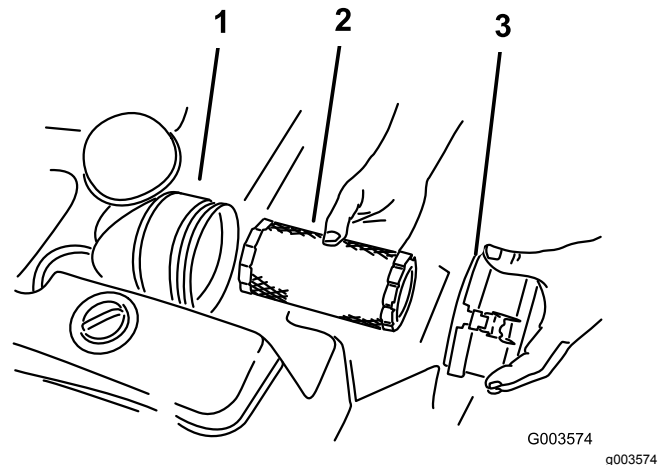


Figure 2

1. Air-cleaner canister
2. Air filter
3. Canister cover

2

Removing the Air Cleaner

No Parts Required

Procedure

1. Thoroughly clean the area around the air cleaner.
2. Loosen the radiator clamp around the hose and lower the clamp onto the hose.

5. Remove the hose from the air-cleaner canister.
6. Spread the air-cleaner strap open and pull it over the end of the canister where the filter was taken out ([Figure 3](#)).

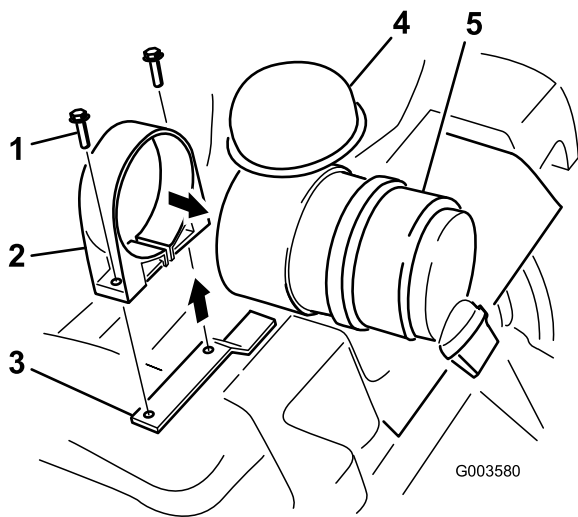


Figure 3

- | | |
|----------------------|-------------------------|
| 1. Bolt | 4. Cap |
| 2. Air-cleaner strap | 5. Air-cleaner canister |
| 3. Machine frame | |

- Cover the hose or insert a rag into it so that no dirt or debris gets into it while installing this kit.
- Remove the opposite bolt holding the air-cleaner strap to the machine frame.

- Remove the 4 flange-head screws securing the left wheel shroud to the frame (Figure 4). Remove and retain the shroud.

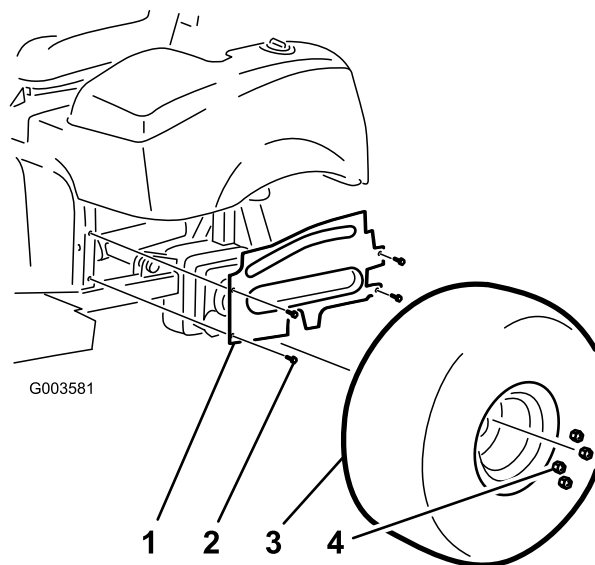


Figure 4

- | | |
|-----------------------|---------|
| 1. Left wheel shroud | 3. Tire |
| 2. Flange-head screws | 4. Nut |

- Remove the 2 flange-head screws securing the left front screen to the frame. Remove and retain the screen.

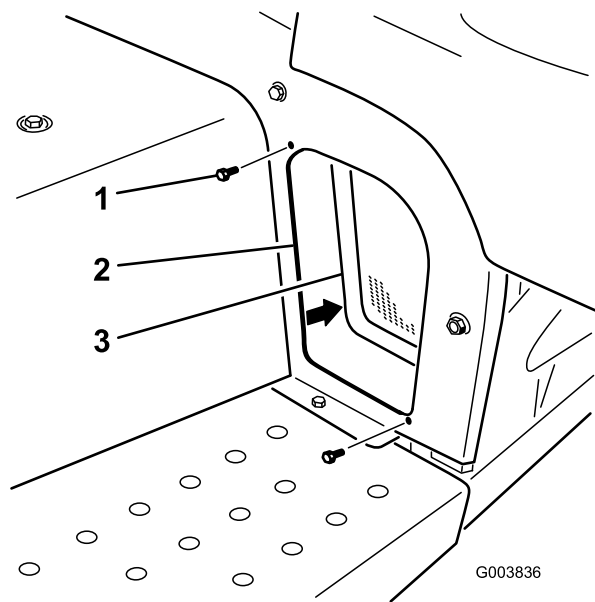


Figure 5

- | | |
|-----------------------|----------------------|
| 1. Flange-head screws | 3. Left front screen |
| 2. Frame | |

- Remove the 3 bolts securing the rear hitch shield to the frame.

3

Removing the Hydraulic Reservoir and Shrouds

No Parts Required

Procedure

- Drain the hydraulic tank. Refer to the machine *Operator's Manual*.
- Raise the rear of the machine off the ground and block up the rear of the machine. Refer to the machine *Operator's Manual* under Raising the Machine.

⚠ WARNING

Mechanical or hydraulic jacks may fail to support the machine and cause serious injury.

Use jack stands when supporting the machine.

- Remove the left rear tire.

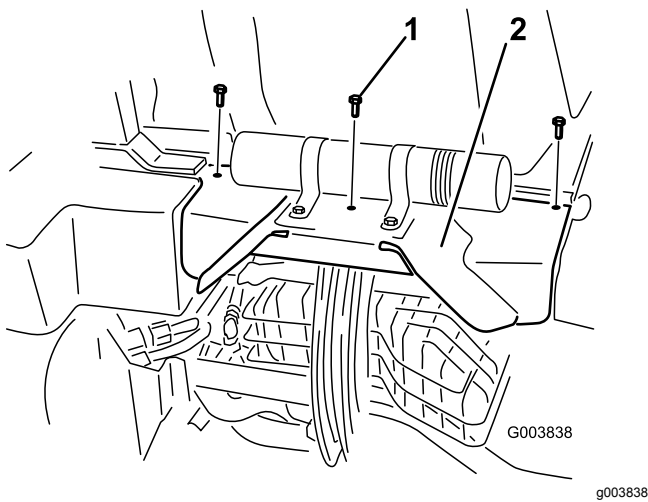


Figure 6

1. Bolt
2. Rear hitch shield

7. Remove the 2 screws securing the center shroud to the frame (Figure 7). Remove and retain the shroud.

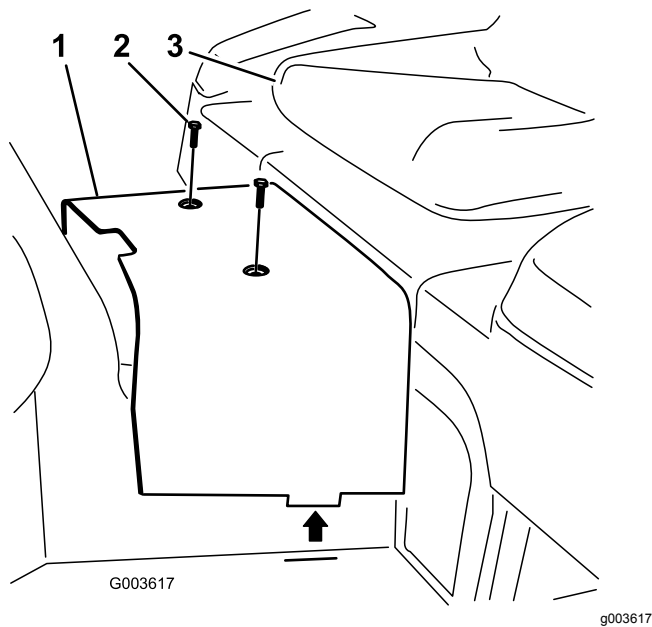


Figure 7

1. Center shroud
2. Screws
3. Seat

8. Disconnect the hydraulic lines going to the tank.
9. Remove the top hydraulic tank bracket from the machine frame and loosen the 2 brackets on the side of the frame (Figure 8). Remove the tank and retain the hardware.

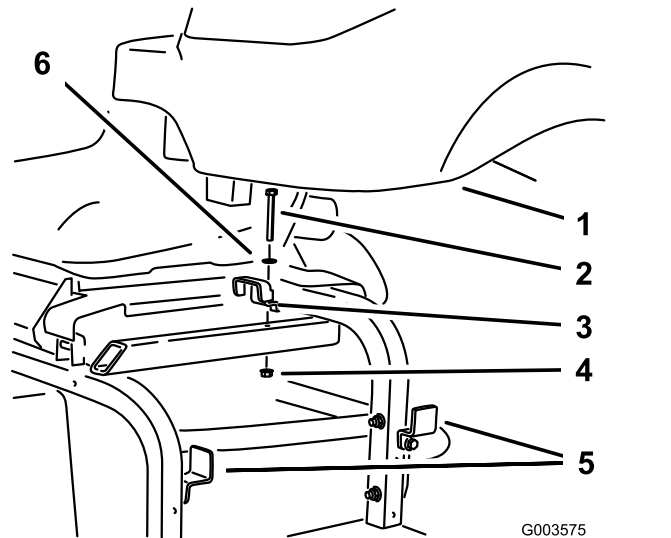


Figure 8

1. Hydraulic tank
2. Bolt
3. Top bracket
4. Nut
5. Side bracket
6. Washer

4

Installing Fittings to the Hydraulic Tank

Parts needed for this procedure:

1	Small 90-degree tee with barb
1	Large 90-degree elbow (threaded both ends)
1	Strainer

Procedure

Note: Make sure that all O-rings are lubricated and properly positioned on all fittings before installation.

Note: Install all fittings and hydraulic lines loosely first and then tighten them when everything is installed. Install the fittings at the angles shown in the figures.

1. Remove the 2 hydraulic tank plugs from the side of the tank.
2. Install the strainer into the hydraulic tank where the large plug was removed.
3. Install the large 90-degree elbow into the strainer.
4. Install the small 90-degree tee with barb where the small plug was removed (Figure 9).

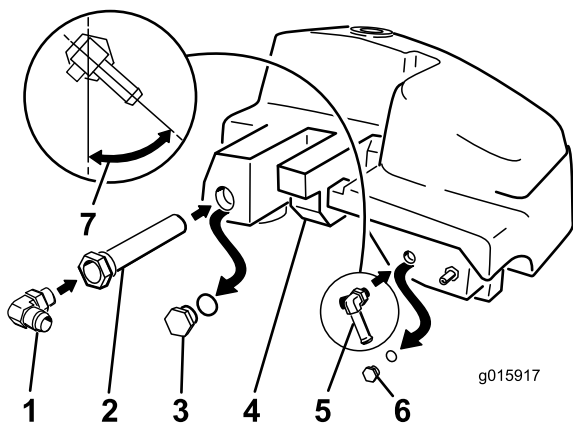


Figure 9

1. Large 90-degree elbow (install at angle shown)
2. Strainer
3. Remove the large plug.
4. Hydraulic tank
5. Small 90-degree tee (install at angle shown)
6. Remove the small plug.
7. 45 degrees

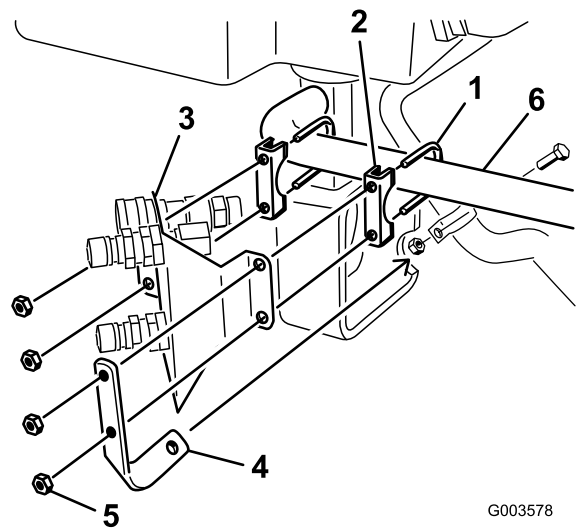


Figure 10

1. Muffler clamp
2. Muffler bracket
3. Coupler bracket
4. Retainer bracket
5. Nut
6. Rear frame round tube

5

Installing the Coupler Bracket to the Rear Frame

Parts needed for this procedure:

1	Retainer bracket
2	Muffler clamp
1	Hose-retainer bracket
1	Coupler bracket

Procedure

Note: Install all hydraulic lines loosely first and then tighten them when everything is installed.

1. Position the clamps around the round tube of the rear frame.
2. Install the hose-retainer bracket and the coupler bracket to the muffler clamps.

Note: Do not tighten the nuts at this time. The coupler bracket needs to be loose to install the hydraulic lines (Figure 10).

3. Temporarily position the coupler bracket on the round frame tube; refer to Figure 11.

Note: Place the coupler bracket where the tube begins to bend.

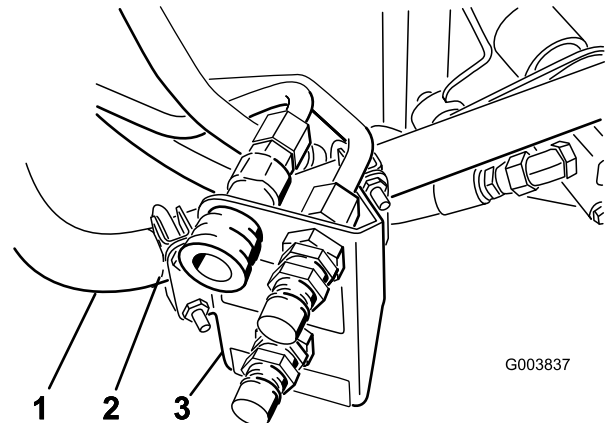


Figure 11

1. Round frame tube
2. Temporary position for the coupler bracket
3. Coupler bracket

6

Installing the Valve

Parts needed for this procedure:

1	Valve
1	Valve plate
2	Bolt (1/4 x 1-3/4 inches)
2	Nut (1/4 inch)
1	Small 90-degree elbow
1	Tee fitting
2	Thread-forming screw (9/32 x 3/4 inch)
1	Tee adapter
1	Relay
1	Cap

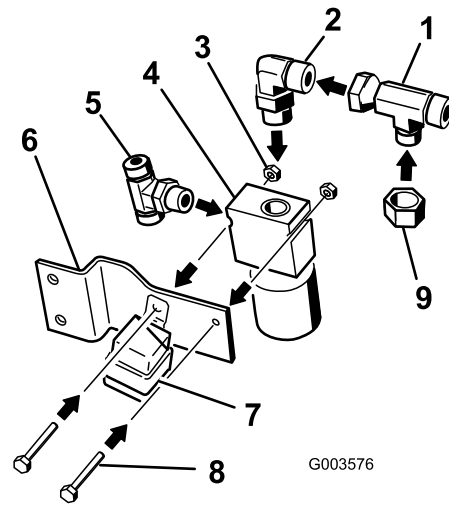


Figure 12

1. Tee adapter
2. Small 90-degree elbow
3. Nut
4. Valve
5. Tee fitting
6. Valve bracket
7. Relay
8. Bolt (1/4 x 1-3/4 inches)
9. Cap

Procedure

Note: Make sure that all O-rings are lubricated and properly positioned on all fittings before installation.

Note: Install all fittings and hydraulic lines loosely first and then tighten them when everything is installed. Install the fittings at the angles shown in the figures.

1. Install the fittings at the angles shown in the figures. Install the tee fitting to the side of the valve. Refer to [Figure 12](#) for the correct tee fitting.
2. Install a small 90-degree elbow to the top of the valve ([Figure 12](#)).
3. Install the tee adapter to the 90-degree elbow. Refer to [Figure 12](#) for the correct tee fitting.
4. Install the cap onto the tee adapter ([Figure 12](#)).
5. Install the relay to the valve bracket at the same time the valve is installed to the valve bracket.
6. Install the valve to the valve bracket with 2 bolts (1/4 x 1-3/4 inches) and 2 nuts (1/4 inch); refer to [Figure 12](#).

7. Install the valve bracket to the machine frame with 2 thread-forming screws (9/32 x 3/4 inch); refer to [Figure 13](#).

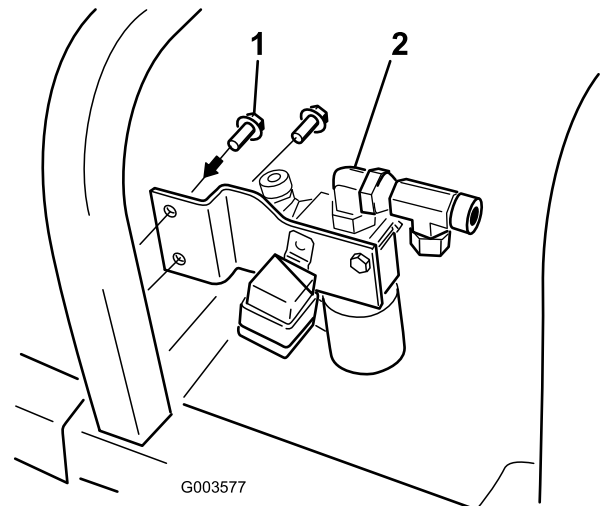


Figure 13

1. Thread-forming screw (9/32 x 3/4 inch)
2. Valve assembly

7

Installing Hydraulic Lines 1, 2, and 5

Parts needed for this procedure:

1	Hydraulic cap
1	Hydraulic line number 1
1	Hydraulic line number 2
1	Hydraulic line (hose) number 5

Procedure

Use [Figure 14](#) for identifying the correct hydraulic lines.

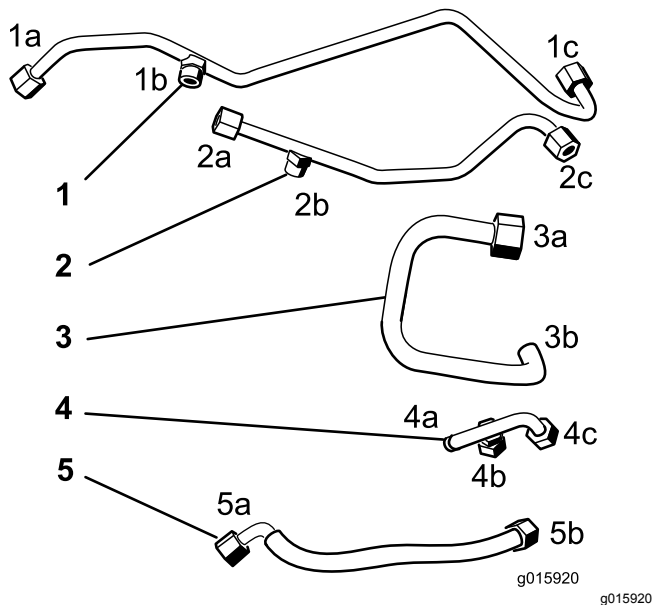


Figure 14

- Hydraulic line number 1
- Hydraulic line number 2
- Hydraulic line number 3
- Hydraulic line number 4
- Hydraulic line (hose) number 5

Note: Install all hydraulic lines loosely first and then tighten them when everything is installed.

- Install the hydraulic cap onto hydraulic line number 1, port 1b.
- Position hydraulic line number 1 into the machine as shown in [Figure 15](#).
- Install hydraulic line number 1 to the tee fitting assembled to the side of the valve ([Figure 15](#)).
- Install the hydraulic line number 1 to the upper male coupler ([Figure 15](#)).

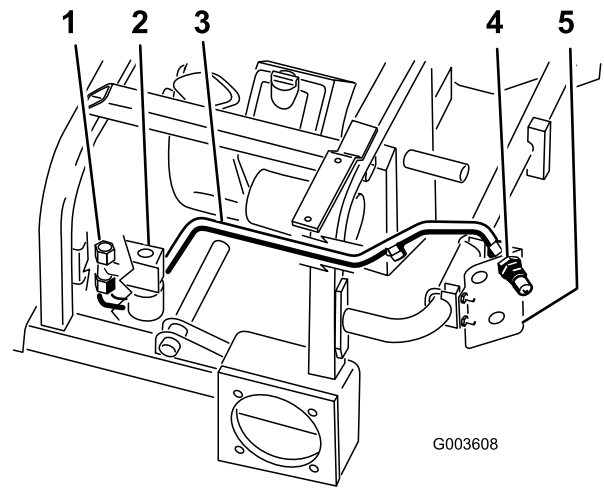


Figure 15

- Tee fitting on the side of the valve
- Valve
- Hydraulic line number 1
- Upper male coupler
- Coupler bracket

- Position hydraulic line number 2 into the machine as shown in [Figure 16](#).
- Install hydraulic line number 2 to the tee fitting assembled to the 90-degree elbow and the top of the valve ([Figure 16](#)).
- Install hydraulic line number 2 to the upper female coupler ([Figure 16](#)).

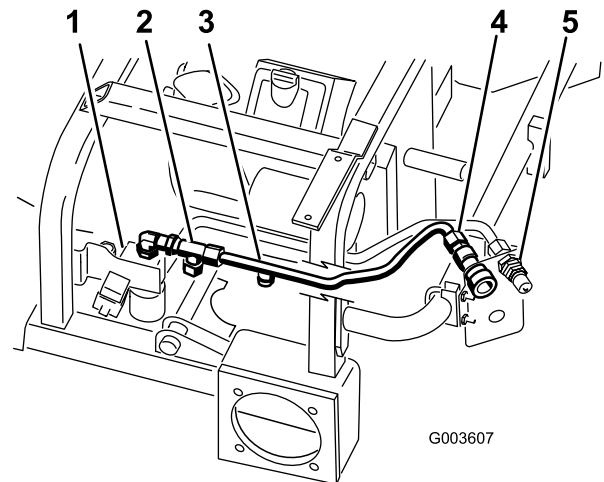


Figure 16

- Valve
- Tee fitting assembled to the 90-degree elbow
- Hydraulic line number 2
- Upper female coupler
- Coupler bracket

- Loosely install hydraulic line (hose) number 5 to the lower male coupler ([Figure 17](#)).

Note: The other end of this hose will be installed in Procedure 10.

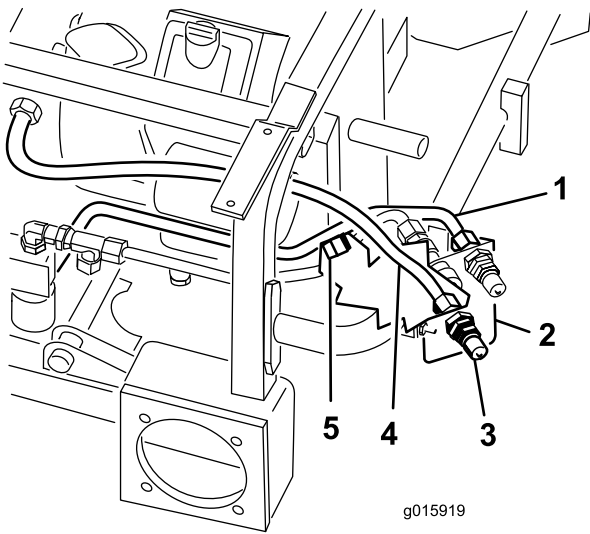


Figure 17

1. Hydraulic line number 1
2. Coupler bracket
3. Lower male coupler
4. Hydraulic line (hose) number 5
5. Hydraulic cap

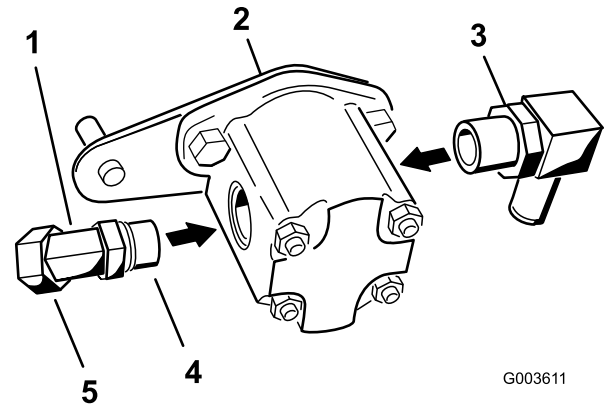


Figure 18

1. 45-degree elbow
2. Hydraulic pump
3. Large 90-degree elbow (with hose barbed end)
4. Male end
5. Female end

3. Remove the existing cover over the engine PTO (power takeoff).
4. Install the pump bracket to the engine with 2 bolts (5/16 x 3/4 inch) and 2 washers (3/8 inch). Refer to [Figure 19](#) for the correct position to install the pump bracket.

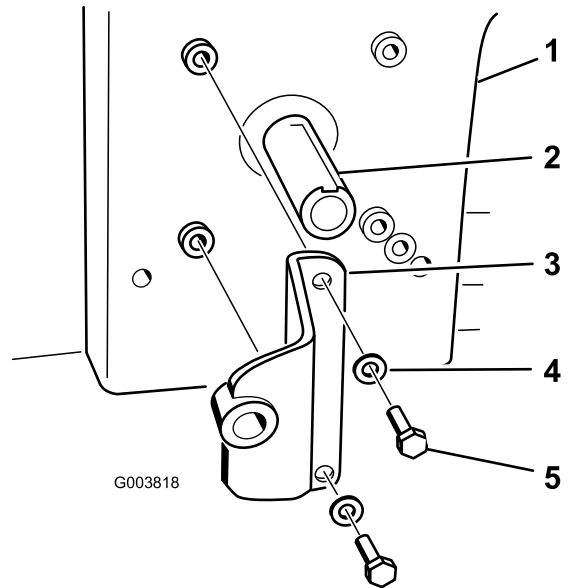


Figure 19

1. Engine
2. Engine PTO shaft
3. Pump bracket
4. Washer (3/8 inch)
5. Bolt (5/16 x 3/4 inch)

5. Apply anti-seize compound to the engine PTO (power takeoff) shaft and the hydraulic motor shaft.
6. Install the square key (1/4 x 1 inch) into the slot in the engine PTO shaft ([Figure 20](#)).

8

Installing the Hydraulic Pump

Parts needed for this procedure:

1	Hydraulic pump
1	45-degree fitting (male ends)
1	Hub assembly
1	Square key (1/4 x 1 inch)
4	Setscrew (5/16 x 3/4 inch)
1	Pump bracket
2	Bolt (with thread-locking compound) (5/16 x 3/4 inch)
2	Washer (3/8 inch)
1	Large 90-degree elbow (with hose barbed end)

Procedure

1. Install the large square 90-degree elbow to the side of the hydraulic pump.
2. Install the 45-degree elbow to the side of the hydraulic pump ([Figure 18](#)).

7. Align the hub assembly with the square key and install it onto the engine PTO (power takeoff) shaft ([Figure 20](#)).

Note: Make sure that the hub assembly is totally bottomed out on the shaft.

8. Apply removable thread-locking compound to the 2 setscrews (5/16 x 3/4 inch) and install them into the hub assembly to secure it to the PTO shaft ([Figure 20](#)).

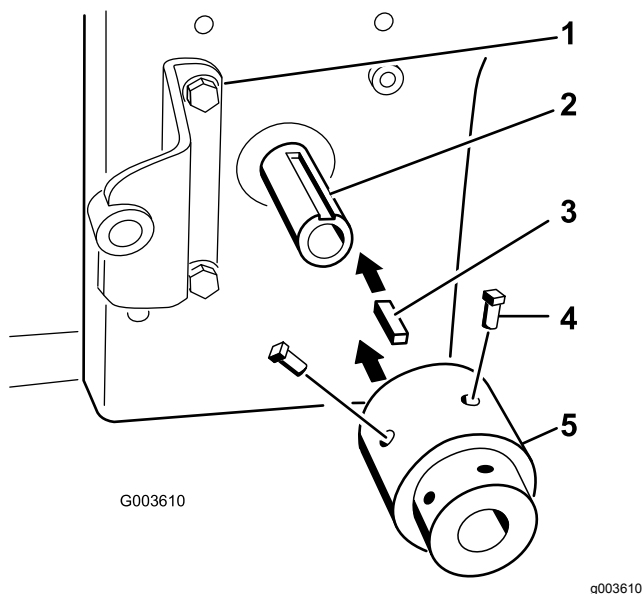


Figure 20

- | | |
|------------------------------|-------------------------------|
| 1. Pump bracket | 4. Setscrew (5/16 x 3/4 inch) |
| 2. Engine PTO shaft | 5. Hub assembly |
| 3. Square key (1/4 x 1 inch) | |

9. Install the pump plate stud into the pump bracket while installing the hydraulic pump shaft into the hub assembly.

Note: The hydraulic pump shaft will touch the end of the engine PTO shaft ([Figure 21](#)).

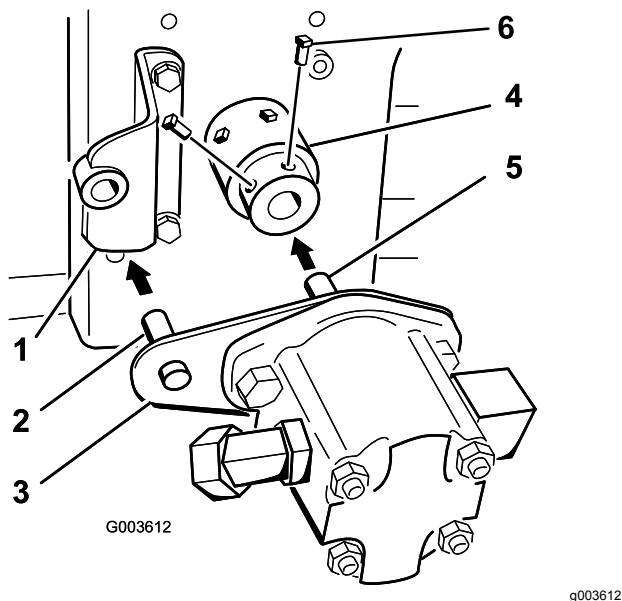


Figure 21

- | | |
|--------------------|-------------------------------|
| 1. Pump bracket | 4. Hub assembly |
| 2. Pump plate stud | 5. Hydraulic pump shaft |
| 3. Pump plate | 6. Setscrew (5/16 x 3/4 inch) |

10. The hub assembly needs to be totally seated on the shaft.

Note: Verify that there is a gap between the pump plate and the hub assembly. If there is no gap, then the hub assembly is not installed correctly and needs to be seated correctly ([Figure 22](#)).

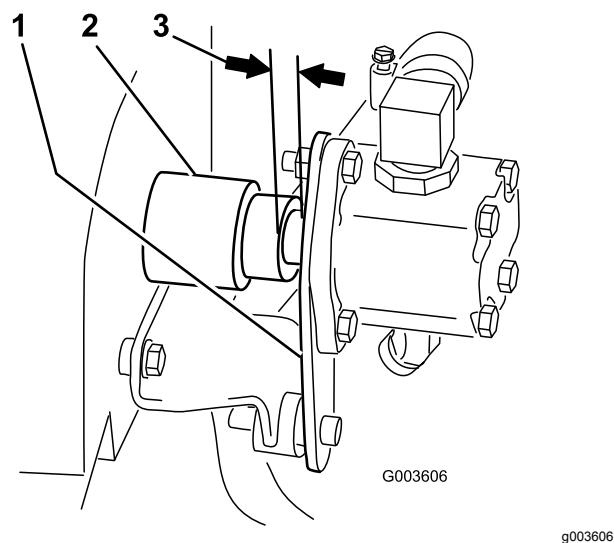


Figure 22

- | | |
|-----------------|--|
| 1. Pump plate | 3. 1.0 to 3.1 mm (0.040 to 0.122 inch) gap between hub assembly and pump plate |
| 2. Hub assembly | |

11. Apply removable thread-locking compound to the 2 setscrews (5/16 x 3/4 inch) and install them into the hub assembly to secure the hydraulic pump shaft ([Figure 21](#)).

9

Installing Hydraulic Lines 3 and 4

Parts needed for this procedure:

1	Hydraulic line number 3
1	Hydraulic line number 4

Procedure

Note: Install all hydraulic lines loosely first and then tighten them when all everything is installed.

Use [Figure 23](#) as a key for identifying the correct hydraulic lines.

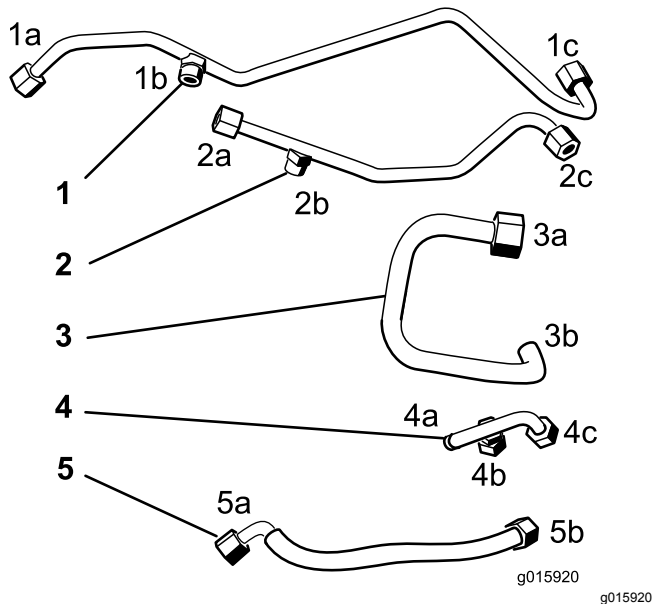


Figure 23

- | | |
|----------------------------|----------------------------|
| 1. Hydraulic line number 1 | 4. Hydraulic line number 4 |
| 2. Hydraulic line number 2 | 5. Hydraulic line number 5 |
| 3. Hydraulic line number 3 | |

1. Install the existing hoses back onto the hydraulic tank.
2. Install the hydraulic tank to the frame and secure it with the 3 brackets previously removed and loosened ([Figure 24](#)).

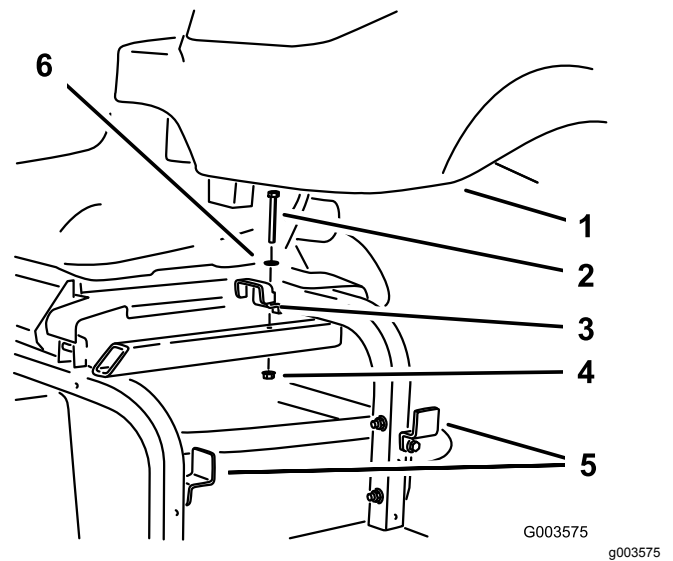


Figure 24

- | | |
|-------------------|-----------------|
| 1. Hydraulic tank | 4. Nut |
| 2. Bolt | 5. Side bracket |
| 3. Top bracket | 6. Washer |

3. Install hydraulic line number 4 to the tee fitting assembled to the side of the valve ([Figure 25](#)).

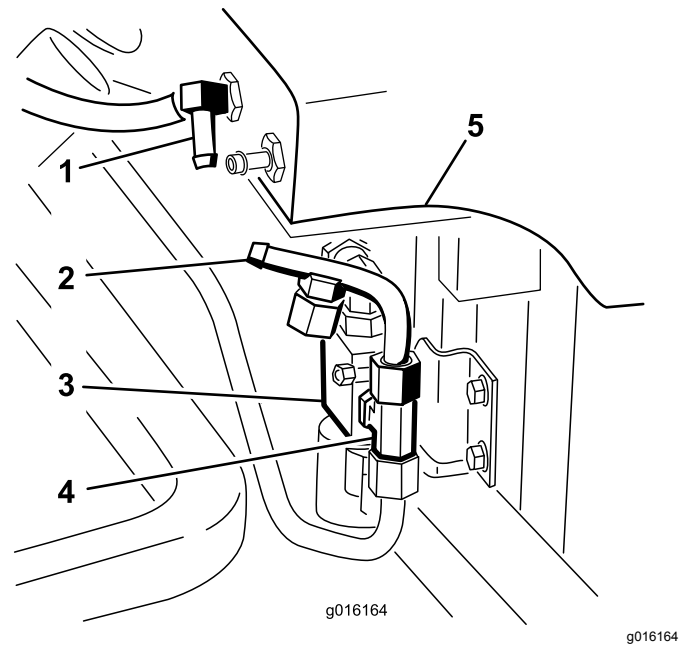


Figure 25

- | | |
|--|-------------------|
| 1. Small 90-degree tee with barb in hydraulic tank | 4. Tee fitting |
| 2. Hydraulic line number 4 | 5. Hydraulic tank |
| 3. Valve | |

4. Position hydraulic line number 3 into the machine as shown in [Figure 26](#).
5. Install hydraulic line number 3 to the large 90-degree elbow installed to the strainer and hydraulic tank ([Figure 26](#) and [Figure 31](#)).

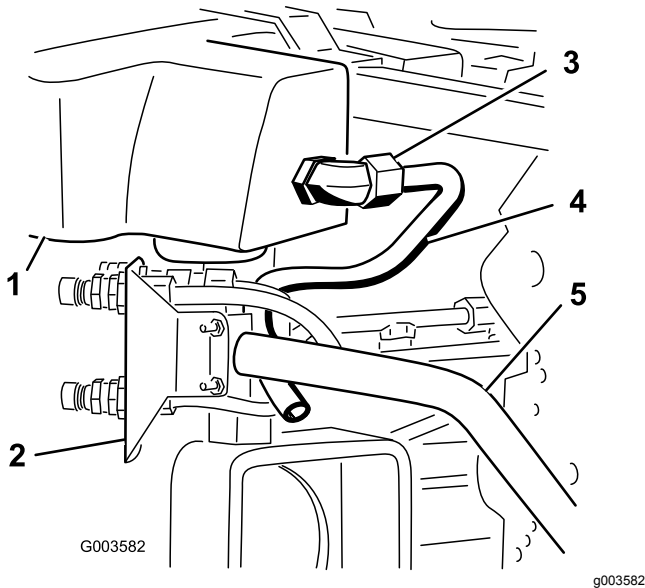


Figure 26

1. Hydraulic tank
2. Coupler bracket
3. Large 90-degree elbow installed in tank
4. Hydraulic line number 3
5. Machine frame

3. Tighten a hose clamp around the hose and elbow ([Figure 27](#)).
4. Install the large hydraulic hose to hydraulic line number 3 ([Figure 27](#)).
5. Tighten the hose clamp around the hose and hydraulic line number 3 ([Figure 27](#)).

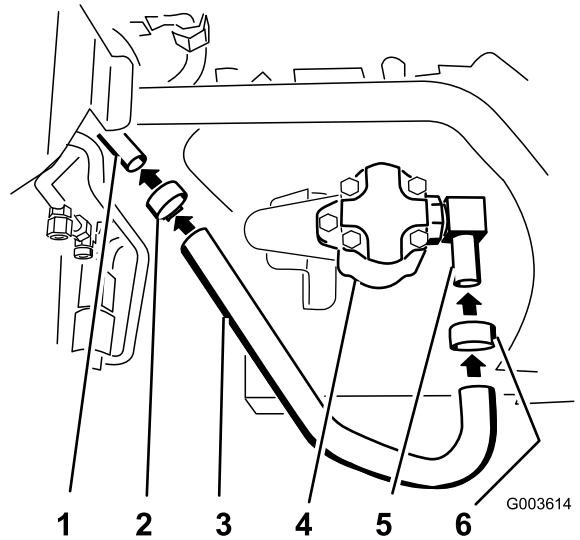


Figure 27

1. Hydraulic line number 3
2. Hose clamp
3. Large hydraulic hose
4. Hydraulic pump
5. 90-degree elbow
6. Hose clamp

6. Install an R-clamp onto the large hydraulic hose as shown in [Figure 28](#).

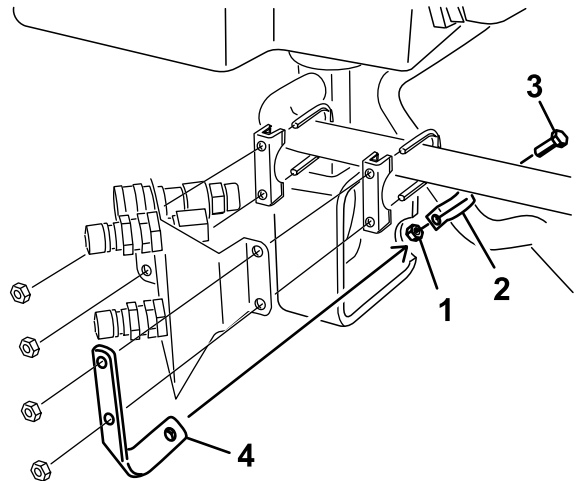


Figure 28

1. Nut (3/8 inch)
2. R-clamp
3. Bolt (3/8 x 3/4 inch)
4. Retainer bracket
7. Install the R-clamp to the retainer bracket with a bolt (5/16 x 7/8 inch) and a nut (5/16 inch); refer to [Figure 28](#).

10

Installing the Hydraulic Hoses

Parts needed for this procedure:

1	Large hydraulic hose
1	Hydraulic hose with fittings
2	Large hose clamp
2	Small hose clamp
1	Small molded hydraulic hose
1	R-clamp
1	Bolt (5/16 x 7/8 inch)
1	Flange nut (5/16 inch)

Procedure

Note: Make sure that nothing rubs against any hoses.

1. Slide the 2 large hose clamps onto the large hydraulic hose.
2. Install the large hydraulic hose to the 90-degree elbow installed to the side of the hydraulic pump ([Figure 27](#) and [Figure 31](#)).

8. Install the hydraulic hose with fittings to the fitting on hydraulic line number 2 as shown in [Figure 29](#).

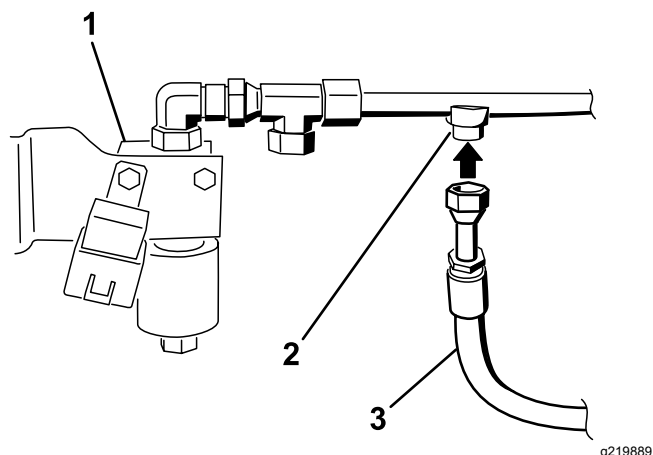


Figure 29

- | | |
|---------------------------------------|---------------------------------|
| 1. Valve | 3. Hydraulic hose with fittings |
| 2. Fitting on hydraulic line number 2 | |

9. Install the hydraulic hose with fittings to the 45-degree elbow attached to the hydraulic pump ([Figure 30](#) and [Figure 31](#)).

Note: It will be below the hydraulic cylinder.

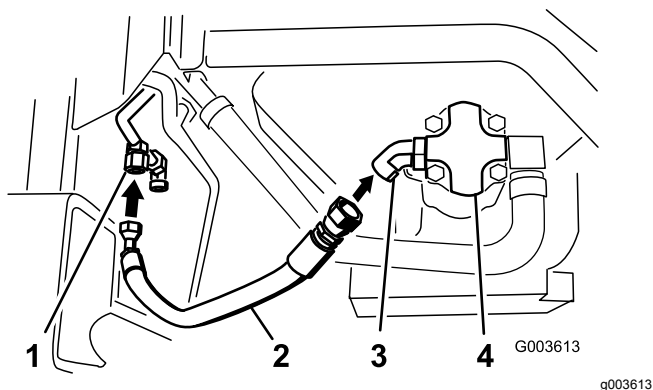


Figure 30

- | | |
|---------------------------------------|--------------------|
| 1. Fitting on hydraulic line number 2 | 3. 45-degree elbow |
| 2. Hydraulic hose with fittings | 4. Hydraulic pump |

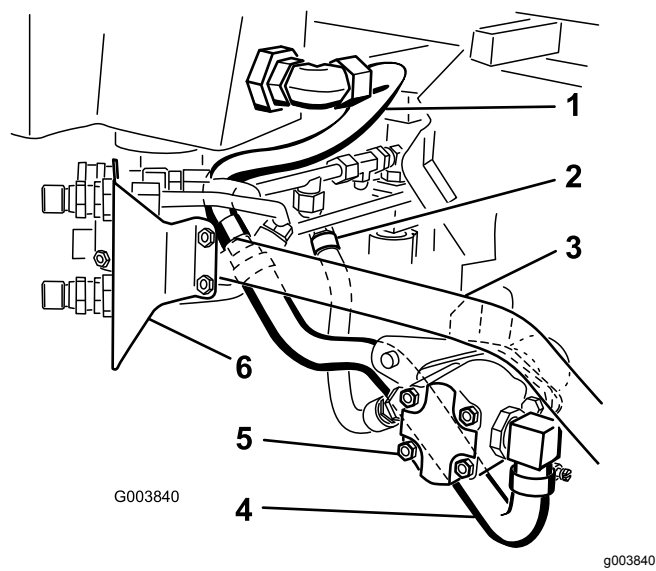


Figure 31

- | | |
|---------------------------------|-------------------------|
| 1. Hydraulic line number 3 | 4. Large hydraulic hose |
| 2. Hydraulic hose with fittings | 5. Hydraulic pump |
| 3. Machine frame tube | 6. Coupler bracket |

11. Slide the 2 small hose clamps onto the small molded hydraulic hose ([Figure 32](#)).
12. Install the long leg of the molded hose onto the 90-degree tee in the hydraulic tank ([Figure 32](#)).
13. Install the short leg of the molded hose onto the barb end of hydraulic line number 4 ([Figure 32](#)).
14. Tighten the two small hose clamps on each end of the molded hose.
15. Loosely install the hydraulic line (hose) number 5 to the small 90-degree tee ([Figure 32](#)).

10. Refer to [Figure 31](#) for the correct locations of the hoses and hydraulic lines to the hydraulic pump.

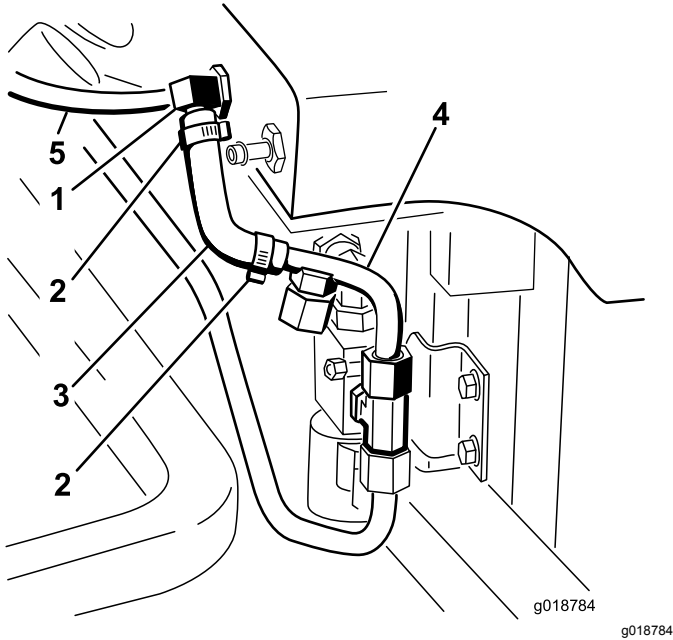


Figure 32

1. Small 90-degree tee with barb in hydraulic tank
2. Small hose clamp
3. Small molded hose
4. Hydraulic line number 4
5. Hydraulic line (hose) number 5

11

Tightening All Connections

No Parts Required

Procedure

Note: Make sure that the hoses and hydraulic lines are routed away from and to do not rub against any sharp, hot, or moving components.

1. When all hydraulic lines and hoses are installed, tighten all of the connections.

Note: Use a backup wrench on all tank fittings.

2. Position the coupler bracket as close to the left tire as possible and tighten the clamps.

12

Installing the Switch and Harness

Parts needed for this procedure:

1	Harness
1	Switch
1	Fuse

Procedure

1. Remove the control panel from the machine.
2. Remove the plastic plug from the panel and install the switch to the panel ([Figure 35](#)).
3. Route the harness along the seat hinge from the switch and to the relay previously installed to the valve ([Figure 33](#)).

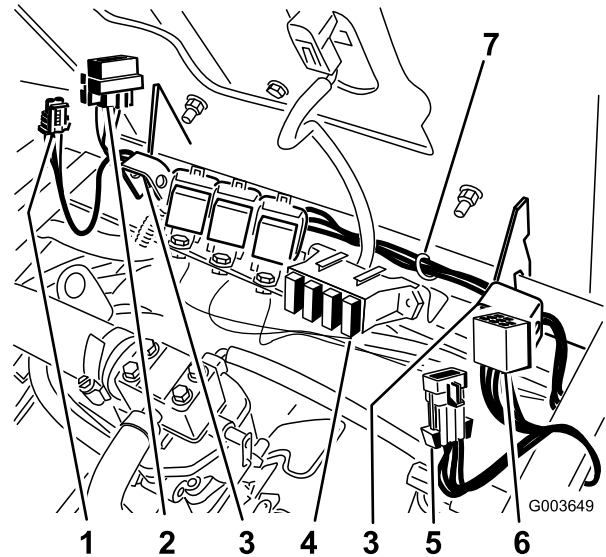


Figure 33

1. Small connector
2. Square connector
3. Seat hinges
4. Fuse block
5. Main harness connector
6. Switch connector
7. Cable tie

4. Install the harness to the switch in the control panel ([Figure 35](#)).
5. Remove the jumper wire from the main harness under the control panel ([Figure 34](#)).

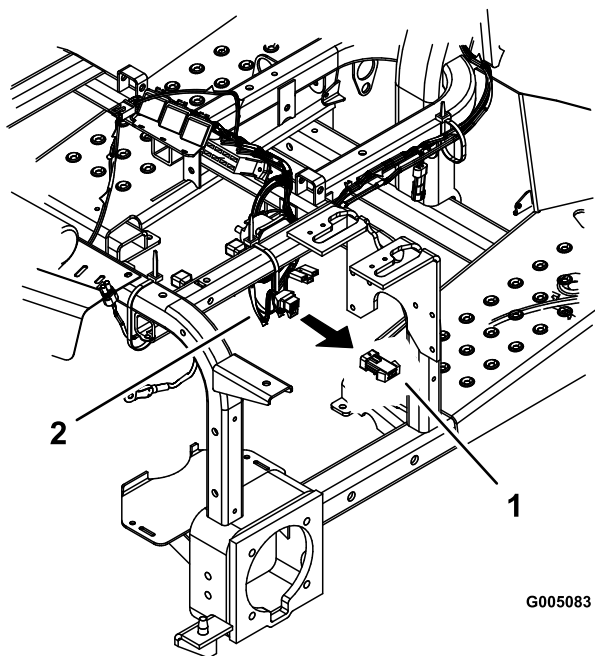


Figure 34

1. Main harness connector
2. Jumper wire

6. Install the main harness connector to the main harness (Figure 35).
7. Install the control panel to the machine.

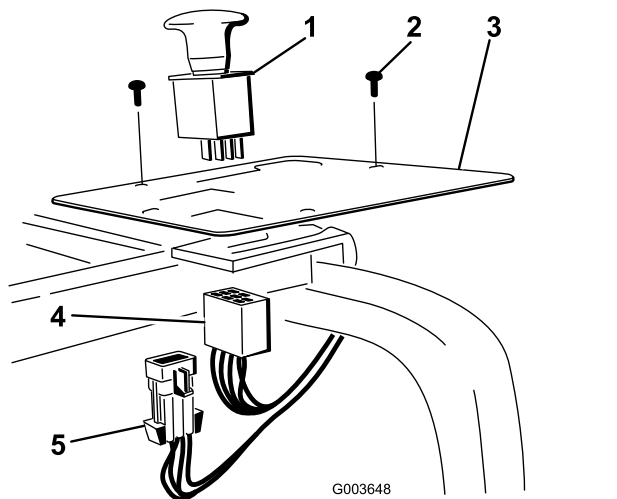


Figure 35

1. Switch
2. Screw
3. Control panel
4. Switch connector
5. Main harness connector

Install the fuse into right slot in the fuse block (Figure 33).

8. Install the square connector to the relay installed next with the valve (Figure 36).
9. Install the small connector to the valve (Figure 36).

10. Fasten the wire harness to the valve with a cable tie.

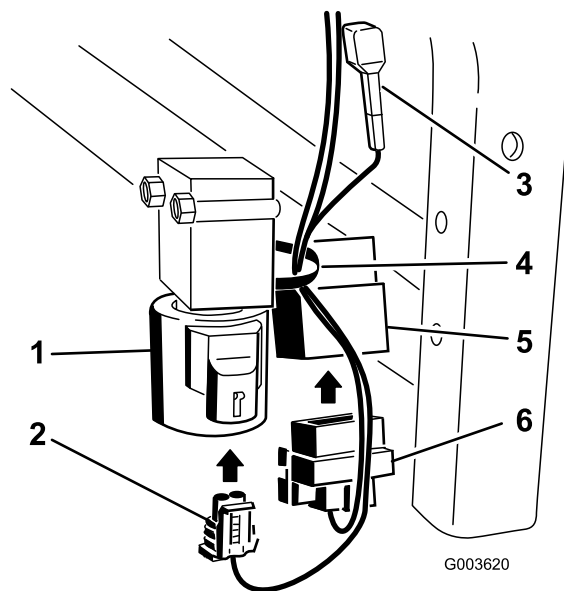


Figure 36

1. Valve
2. Small connector
3. Diode
4. Cable tie
5. Relay
6. Square connector

13

Installing the Hydraulic Fluid and Checking for Leaks

Parts needed for this procedure:

1	Dipstick
25.5 L (6-3/4 US gallons)	Hydraulic fluid

Procedure

The hydraulic system capacity is now 25.5 L (6-3/4 US gallons).

Refer to the *Operator's Manual* for the correct fluid to use.

1. Remove the old dipstick from the hydraulic tank and discard.
2. Slowly pour approximately 80% of the specified fluid into the tank.

3. Insert the new dipstick and check the level of the hydraulic fluid ([Figure 37](#)).
4. Slowly add the additional fluid to bring it to the **Full** mark.

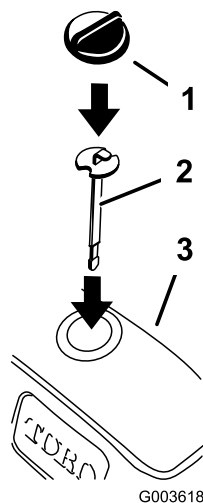


Figure 37

- | | |
|-----------------------|-------------------|
| 1. Hydraulic-tank cap | 3. Hydraulic tank |
| 2. Dipstick | |

5. Start the machine and let it run for 5 minutes.
6. Check for any leaks in the system with a piece of cardboard.

⚠ WARNING

Hydraulic fluid escaping under pressure can penetrate skin and cause injury.

If hydraulic fluid is injected into the skin it must be surgically removed within a few hours by a doctor familiar with this type of injury. Gangrene may result if this is not done.

- **Keep body and hands away from pin-hole leaks or nozzles that eject high-pressure hydraulic fluid.**
- **Use cardboard or paper to find hydraulic leaks.**
- **Safely relieve all pressure in the hydraulic system before performing any work on the hydraulic system.**
- **Make sure that all hydraulic-fluid hoses and lines are in good condition and that all hydraulic connections and fittings are tight before applying pressure to the hydraulic system.**

7. Install the left front screen to the frame.

8. Install the front shroud to the frame with 4 flange-head screws.
9. Install the 4 flange-head screws securing the left wheel shroud to the frame ([Figure 38](#)).
10. Install the left rear tire ([Figure 38](#)).

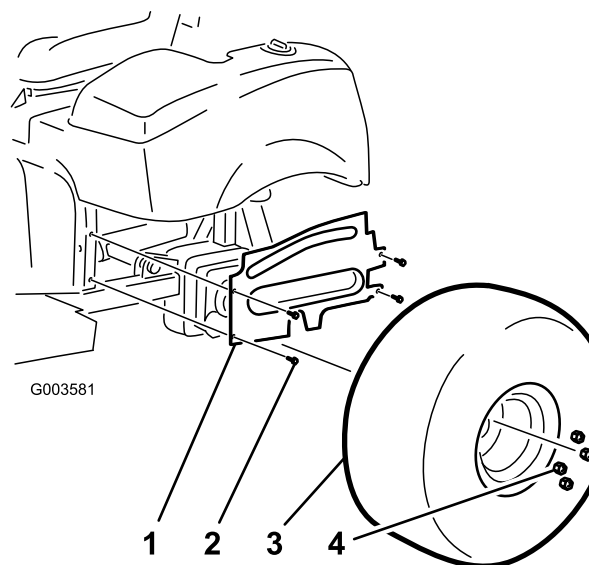


Figure 38

- | | |
|-----------------------|--------------|
| 1. Left wheel shroud | 3. Left tire |
| 2. Flange-head screws | 4. Nut |

11. Lower the machine onto the ground.
12. Install the rear hitch shield.
13. Install the air-cleaner assembly.

Declaration of Incorporation

The Toro Company, 8111 Lyndale Ave. South, Bloomington, MN, USA declares that the following unit(s) conform(s) to the directives listed, when installed in accordance with the accompanying instructions onto certain Toro models as indicated on the relevant Declarations of Conformity.

Model No.	Serial No.	Product Description	Invoice Description	General Description	Directive
08781	315000001 and Up	Rear Remote Hydraulic Kit	REAR REMOTE HYDRAULICS	Scarifier	2006/42/EC

Relevant technical documentation has been compiled as required per Part B of Annex VII of 2006/42/EC.

We will undertake to transmit, in response to requests by national authorities, relevant information on this partly completed machinery. The method of transmission shall be electronic transmittal.

This machinery shall not be put into service until incorporated into approved Toro models as indicated on the associated Declaration of Conformity and in accordance with all instructions, whereby it can be declared in conformity with all relevant Directives.

Certified:



John Heckel
Sr. Engineering Manager
8111 Lyndale Ave. South
Bloomington, MN 55420, USA
June 19, 2017

Authorized Representative:

Marcel Dutrieux
Manager European Product Integrity
Toro Europe NV
Nijverheidsstraat 5
2260 Oevel
Belgium

Tel. +32 16 386 659

European Privacy Notice

The Information Toro Collects

Toro Warranty Company (Toro) respects your privacy. In order to process your warranty claim and contact you in the event of a product recall, we ask you to share certain personal information with us, either directly or through your local Toro company or dealer.

The Toro warranty system is hosted on servers located within the United States where privacy law may not provide the same protection as applies in your country.

BY SHARING YOUR PERSONAL INFORMATION WITH US, YOU ARE CONSENTING TO THE PROCESSING OF YOUR PERSONAL INFORMATION AS DESCRIBED IN THIS PRIVACY NOTICE.

The Way Toro Uses Information

Toro may use your personal information to process warranty claims, to contact you in the event of a product recall and for any other purpose which we tell you about. Toro may share your information with Toro's affiliates, dealers or other business partners in connection with any of these activities. We will not sell your personal information to any other company. We reserve the right to disclose personal information in order to comply with applicable laws and with requests by the appropriate authorities, to operate our systems properly or for our own protection or that of other users.

Retention of your Personal Information

We will keep your personal information as long as we need it for the purposes for which it was originally collected or for other legitimate purposes (such as regulatory compliance), or as required by applicable law.

Toro's Commitment to Security of Your Personal Information

We take reasonable precautions in order to protect the security of your personal information. We also take steps to maintain the accuracy and current status of personal information.

Access and Correction of your Personal Information

If you would like to review or correct your personal information, please contact us by email at legal@toro.com.

Australian Consumer Law

Australian customers will find details relating to the Australian Consumer Law either inside the box or at your local Toro Dealer.



The Toro Warranty

A Two-Year Limited Warranty

Conditions and Products Covered

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant your Toro Commercial product ("Product") to be free from defects in materials or workmanship for two years or 1500 operational hours*, whichever occurs first. This warranty is applicable to all products with the exception of Aerators (refer to separate warranty statements for these products). Where a warrantable condition exists, we will repair the Product at no cost to you including diagnostics, labor, parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.

* Product equipped with an hour meter.

Instructions for Obtaining Warranty Service

You are responsible for notifying the Commercial Products Distributor or Authorized Commercial Products Dealer from whom you purchased the Product as soon as you believe a warrantable condition exists. If you need help locating a Commercial Products Distributor or Authorized Dealer, or if you have questions regarding your warranty rights or responsibilities, you may contact us at:

Toro Commercial Products Service Department
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196

952-888-8801 or 800-952-2740
E-mail: commercial.warranty@toro.com

Owner Responsibilities

As the Product owner, you are responsible for required maintenance and adjustments stated in your *Operator's Manual*. Failure to perform required maintenance and adjustments can be grounds for disallowing a warranty claim.

Items and Conditions Not Covered

Not all product failures or malfunctions that occur during the warranty period are defects in materials or workmanship. This warranty does not cover the following:

- Product failures which result from the use of non-Toro replacement parts, or from installation and use of add-on, or modified non-Toro branded accessories and products. A separate warranty may be provided by the manufacturer of these items.
- Product failures which result from failure to perform recommended maintenance and/or adjustments. Failure to properly maintain your Toro product per the Recommended Maintenance listed in the *Operator's Manual* can result in claims for warranty being denied.
- Product failures which result from operating the Product in an abusive, negligent, or reckless manner.
- Parts subject to consumption through use unless found to be defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, brake pads and linings, clutch linings, blades, reels, rollers and bearings (sealed or greasable), bed knives, spark plugs, castor wheels and bearings, tires, filters, belts, and certain sprayer components such as diaphragms, nozzles, and check valves, etc.
- Failures caused by outside influence. Conditions considered to be outside influence include, but are not limited to, weather, storage practices, contamination, use of unapproved fuels, coolants, lubricants, additives, fertilizers, water, or chemicals, etc.
- Failure or performance issues due to the use of fuels (e.g. gasoline, diesel, or biodiesel) that do not conform to their respective industry standards.

- Normal noise, vibration, wear and tear, and deterioration.
- Normal "wear and tear" includes, but is not limited to, damage to seats due to wear or abrasion, worn painted surfaces, scratched decals or windows, etc.

Parts

Parts scheduled for replacement as required maintenance are warranted for the period of time up to the scheduled replacement time for that part. Parts replaced under this warranty are covered for the duration of the original product warranty and become the property of Toro. Toro will make the final decision whether to repair any existing part or assembly or replace it. Toro may use remanufactured parts for warranty repairs.

Deep Cycle and Lithium-Ion Battery Warranty:

Deep cycle and Lithium-Ion batteries have a specified total number of kilowatt-hours they can deliver during their lifetime. Operating, recharging, and maintenance techniques can extend or reduce total battery life. As the batteries in this product are consumed, the amount of useful work between charging intervals will slowly decrease until the battery is completely worn out. Replacement of worn out batteries, due to normal consumption, is the responsibility of the product owner. Battery replacement may be required during the normal product warranty period at owner's expense. Note: (Lithium-Ion battery only): A Lithium-Ion battery has a part only prorated warranty beginning year 3 through year 5 based on the time in service and kilowatt hours used. Refer to the *Operator's Manual* for additional information.

Maintenance is at Owner's Expense

Engine tune-up, lubrication, cleaning and polishing, replacement of filters, coolant, and completing recommended maintenance are some of the normal services Toro products require that are at the owner's expense.

General Conditions

Repair by an Authorized Toro Distributor or Dealer is your sole remedy under this warranty.

Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of the Toro Products covered by this warranty, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Except for the Emissions warranty referenced below, if applicable, there is no other express warranty. All implied warranties of merchantability and fitness for use are limited to the duration of this express warranty.

Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Note regarding engine warranty:

The Emissions Control System on your Product may be covered by a separate warranty meeting requirements established by the U.S. Environmental Protection Agency (EPA) and/or the California Air Resources Board (CARB). The hour limitations set forth above do not apply to the Emissions Control System Warranty. Refer to the Engine Emission Control Warranty Statement supplied with your product or contained in the engine manufacturer's documentation for details.

Countries Other than the United States or Canada

Customers who have purchased Toro products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the Toro importer.