Form No. 3460-381 Rev A

EU Compliance Kit

2015 and After Multi Pro® 1750 Turf Sprayer

Model No. 41155—Serial No. 315000001 and Up

Operator's Manual

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 illustrates the location of the model and serial numbers on the product.

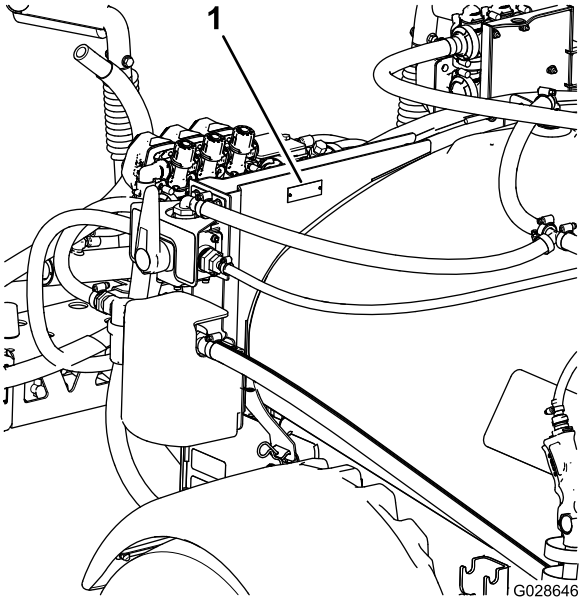

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Figure 1

Model No. _____

Serial No. _____

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

The EU Compliance Kit is designed to meet German safety requirements by enabling operators to clean out residual chemicals from the sprayer system and clean the external machine while bypassing the chemical tank. It is a dedicated kit for a turf spray application vehicle and is intended to be used by professional, hired operators in commercial applications.

This product complies with all relevant European directives. For details, please see the Declaration of Incorporation (DOI) at the back of this publication.

Read this manual carefully to learn how to operate and maintain your product properly. The information in this manual can help you and others avoid injury and product damage. Although Toro designs and produces safe products, you are responsible for operating the product properly and safely.

Safety

This manual identifies potential hazards and has safety messages identified by the safety alert symbol (Figure 2), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.

g000502

Figure 2

1. Safety alert symbol

This manual uses 2 other words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

Also read the safety and operation instructions in the vehicle *Operator's Manual*.

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Register at www.Toro.com.

Original Instructions (EN)
Printed in the USA

3460-381

Chemical Safety

⚠ WARNING

Chemical substances used in the spray system may be hazardous and toxic to you, bystanders, animals, plants, soils or other property.

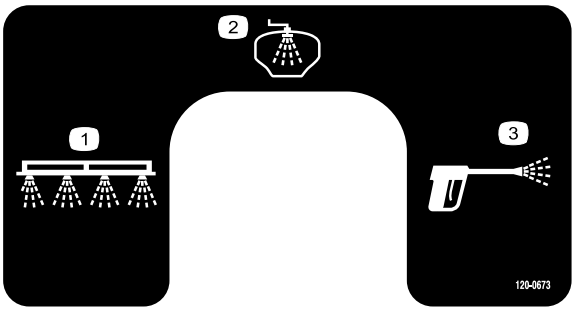
- **Carefully read and follow the chemical warning labels and Material Safety Data Sheets (MSDS) for all chemicals used and protect yourself according to the chemical manufacturer's recommendations. For example, use appropriate Personal Protective Equipment (PPE) including face and eye protection, gloves, or other equipment to guard against personal contact with the chemical.**
- **Keep in mind that there may be more than one chemical used and information on each should be assessed.**
- ***Refuse to operate or work on the sprayer if this information is not available!***
- **Before working on a spray system, make sure the system has been triple rinsed and neutralized according to the recommendations of the chemical manufacturer(s).**
- **Verify there is an adequate supply of clean water and soap nearby, and immediately wash off any chemicals that contact you.**
- Obtain proper training before using or handling chemicals.
- Use the correct chemical for the job.
- Follow the chemical manufacturer's instructions for the safe application of the chemical.
- Handle chemicals in a well ventilated area.
- Wear goggles and other protective equipment as instructed by the chemical manufacturer. Ensure that as little skin as possible is exposed while using chemicals.
- Have clean water available especially when filling the spray tank.
- Do not eat, drink, or smoke while working with chemicals.
- Always wash your hands and other exposed areas as soon as possible after finishing the work.
- Properly dispose of unused chemicals and chemical containers as instructed by the chemical manufacturer and your local codes.
- Chemicals and fumes in the tanks are dangerous; never enter the tank or place your head over or in the opening.
- Follow all local, state, and federal requirements for the spraying of chemicals.

Hand Sprayer Safety

- Do not aim the hand sprayer at any person or animal. Fluids under high pressure can penetrate skin and cause severe injury, possibly resulting in amputation or death. Hot liquids and chemicals can also cause burns or injury. If any part of the body comes in contact with the spray stream, immediately consult a physician familiar with injected fluid injuries.
- Do not place your hand or any other part of your body in front of the spray nozzle.
- Do not leave the equipment under pressure when you are not present.
- Do not use the hand sprayer if the hose, trigger lock, nozzle, or any other part is damaged or missing.
- Do not use the hand sprayer if there are any leaks in any hoses, fittings, or other components.
- Do not spray near power lines; the spray stream could contact the power lines and give you a potentially fatal electrical shock.
- Do not drive while spraying with a hand sprayer.
- Wear rubber gloves, safety goggles, and a full-body protective suit when spraying chemicals with the hand sprayer.
- Lightning can cause severe injury or death. If lightning is seen or thunder is heard in the area, do not operate the machine; seek shelter.

Safety and Instructional Decals

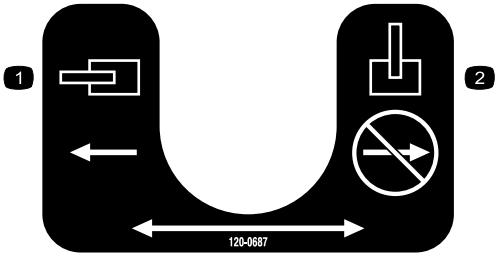
Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



decal120-0673

120-0673

1. Boom spray
2. Rinse Tank
3. Hand spray



decal120-0687

120-0687

1. Valve, open
2. Valve, closed

Setup

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	Carriage bolt (5/16 x 1 inch)	2	Install the rinse tank.
	Spray-gun bracket	1	
	Clamp	2	
	Flanged locknut (5/16 inch)	2	
	Carriage bolt (3/8 x 1 inch)	1	
	Carriage bolt (3/8 x 1-1/4 inch)	2	
	Flange locknut	3	
	Rinse tank	1	
	Filler cap	1	
	Bulkhead fitting	1	
	Plastic flange nut	1	
	Retainer	1	
	90-degree barbed fitting	1	
	Right rinse-tank bracket	1	
	Hose mount	1	
	Left rinse-tank bracket	1	
	Spacer (3/8 x 1/4 inch)	1	

Procedure	Description	Qty.	Use
3	90° barbed fitting (3/4 inch NPT x 3/4 inch)	2	Install the rinse nozzle.
	Plastic flange nut	2	
	Bulkhead fitting	2	
	Rinse nozzle	2	
	Bushing	2	
	Rinse vane	2	
	Shoulder bolt	2	
4	Carriage bolt (3/8 x 1 inch)	2	Install the rinse pump.
	Flanged Locknuts (3/8 inch)	2	
	Rinse-pump mounting bracket	1	
	Straight-barbed fitting (1/2 inch NPT x 1/2 inch)	2	
	Nipple (1/2 inch NPT)	1	
	Pressure filter	1	
	Rinse pump	1	
	Valve mount	1	
	Bolt (1/4 x 1-3/4 inch)	4	
	Washer (1/4 inch)	4	
	Serrated-flange nut	4	
	Small hairpin	2	
5	4-way valve	1	Assemble and mount the 4-way valve.
	Straight-barbed fitting(1 inch NPT x 3/4 inch)	1	
	90-degree barbed fitting (1 inch NPT x 3/4 inch)	2	
	Straight-barbed fitting (3/4 inch NPT x 1/2 inch)	1	
	Reducer fitting (1 inch NPT x 3/4 inch NPT)	1	
	Faceplate bracket	1	
	Valve-mount assembly	1	
	Bolt (6 mm)	4	
	Flat washer (6 mm)	4	
	Locknut (6 mm)	4	
	Nut (3/8 inch)	2	
	Bolt (3/8 inch)	2	
6	Fuse, 40-amp	1	Install the rinse-pump switch, pump connectors, and fuse.
	Dash switch	1	
7	Ball valve	1	Install the ball valve and mounting assembly.
	Straight-barbed fitting (1-1/4 inch NPT x 3/4 inch)	2	
	Valve-mount bracket	1	
	Hex-head bolt (5/16 x 5/8 inch)	2	
	Hex-head bolt (6 x 16 mm)	2	
	Locknut (6 mm)	2	

Procedure	Description	Qty.	Use
8	Inlet hose 2.5 x 66 cm (1 x 26 inch) Hose clamp 90° hub fitting Large O-ring T-Fitting (upper) Retainer Reducer hub Small O-ring Transfer hose 1.9 x 61 cm (3/4 x 24 inch) Hub connector	1 2 2 4 1 3 1 1 1 1	Install the upper T-fitting assembly.
9	Hose clamp Retainer	1 1	Install the hose between the upper T-fitting and the ball valve.
10	Hose 1.9 x 76 cm (3/4 x 30 inch) Hose clamp	1 2	Install the hose between the ball valve and the 4-way valve.
11	Hose 1.9 x 61 cm (3/4 x 24 inch) Hose clamp	1 2	Install the hose between the pressure filter assembly and the 4-way valve.
12	Hose 1.9 x 48.3 cm (3/4 x 19 inch) Hose 1.9 x 61 cm (3/4 x 24 inch) Tee fitting Hose clamp	2 1 1 6	Install the rinse nozzle hoses.
13	Hose 1.3 x 762 cm (1/2 x 300 inch) Spray gun Hose clamp Spray gun barbed fitting	1 1 2 1	Connect the spray hose and gun.
14	Hose (45 inches) Hose clamp Conduit	1 2 1	Install the rinse tank hose.
15	Decal (120-0673) Decal (120–0687)	1 1	Install the decals.

1

Preparing the Machine

No Parts Required

Procedure

1. Move the sprayer onto a level surface, set the parking brake, stop the pump, stop the engine, and remove the ignition key.
2. Drain the contents of the tank to remove any chemicals in the lines. Refer to the *Operator's Manual* for more information.

   Note: Take caution while disconnecting any hoses during the installation of this kit, and have a catch bucket ready for any chemicals remaining in the hose.

⚠ CAUTION

Chemicals are hazardous and can cause personal injury.

- **Read the directions on the chemical labels before handling the chemicals, and follow all manufacturer recommendations and precautions.**
- **Keep chemicals away from your skin. Should contact occur, wash the affected area thoroughly with soap and clean water.**
- **Wear goggles and any other protective equipment recommended by the chemical manufacturer.**

2

Installing the Rinse Tank

Parts needed for this procedure:

2	Carriage bolt (5/16 x 1 inch)
1	Spray-gun bracket
2	Clamp
2	Flanged locknut (5/16 inch)
1	Carriage bolt (3/8 x 1 inch)
2	Carriage bolt (3/8 x 1-1/4 inch)
3	Flange locknut
1	Rinse tank
1	Filler cap
1	Bulkhead fitting
1	Plastic flange nut
1	Retainer
1	90-degree barbed fitting
1	Right rinse-tank bracket
1	Hose mount
1	Left rinse-tank bracket
1	Spacer (3/8 x 1/4 inch)

Removing the Fresh Water Tank

1. If filled with water, empty the fresh water tank.
2. Remove the 4 flanged head bolts that secure the fresh water tank to the mounting bracket (Figure 3).

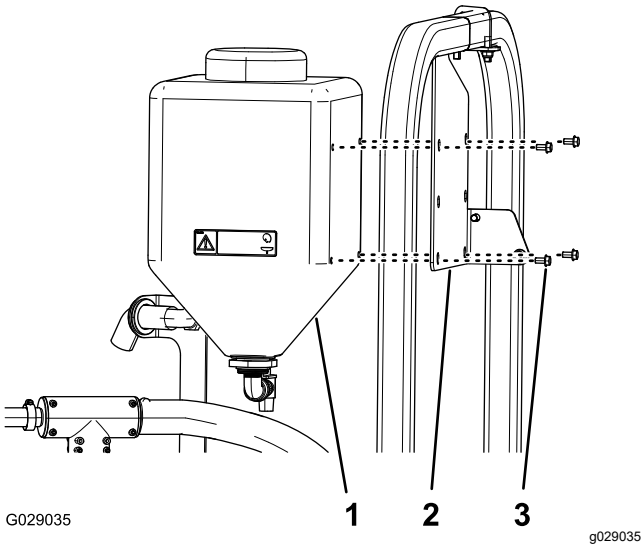


Figure 3

1. Fresh water tank
2. Mounting bracket
3. Flanged head bolts

3. Remove the tank from the machine (Figure 3).

   Note: Retain the fresh water tank and flanged head bolts for installation in Installing the Fresh Water Tank (page 11).

Installing the Hardware for the Rinse Tank Straps and Spray Gun Bracket

1. Assemble the 2 clamps to the spray-gun bracket (Figure 4) with 2 carriage bolt (5/16 x 1 inch) and 2 flanged locknuts (5/16 inch).

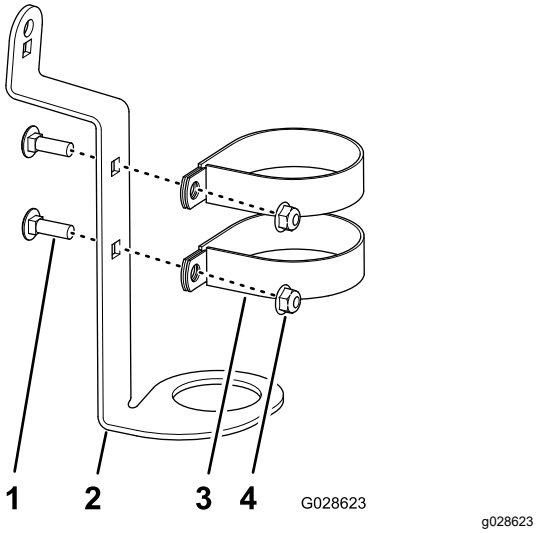


Figure 4

1. Carriage bolt (5/16 x 1 inch)
2. Spray-gun bracket
3. Clamp
4. Flanged locknut (5/16 inch)

2. Remove and retain the bolt (3/8 x 5 inch), washers, and flanged locknut that secure the front tank straps at the top of the tank (Figure 5).

   Note: Retain the bolt (3/8 x 5 inch), washers, and flanged locknut; discard the short carriage bolt and locknut holding the R-clamp in place.

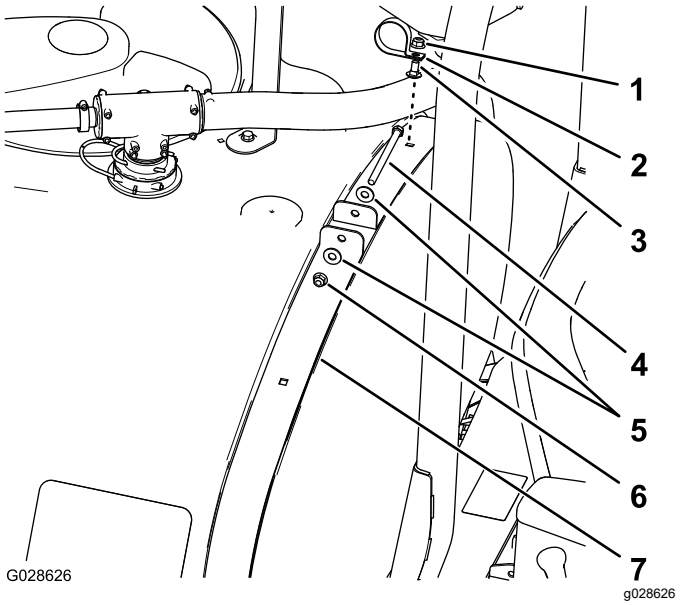


Figure 5

1. Locknut
2. R-clamp
3. Carriage bolt (short)
4. Bolt (3/8 x 5 inch)
5. Washer
6. Flanged locknut
7. Right, front tank strap

3. Install a carriage bolt (3/8 x 1 inch) in the upper-inboard holes of the left, front tank strap (Figure 6).

   Note: Loosely thread a flanged locknuts (3/8 inch) onto the carriage bolt.

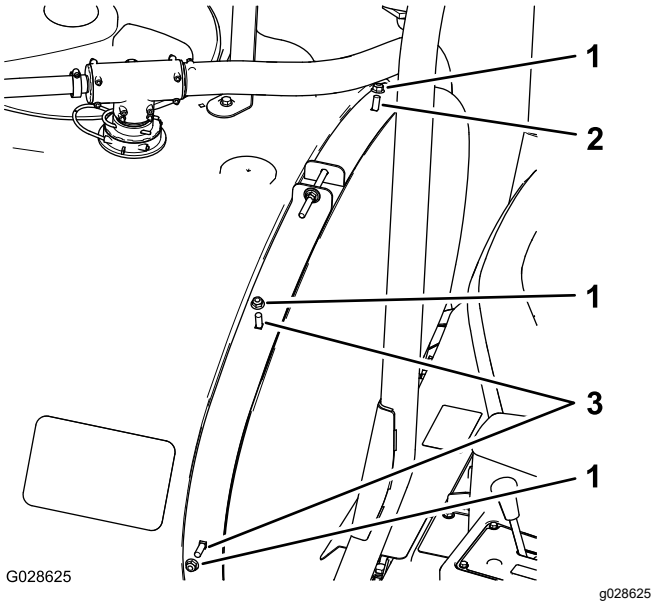


Figure 6

1. Flanged locknuts (3/8 inch)
2. Carriage bolt (3/8 x 1 inch)
3. Carriage bolts (3/8 x 1-1/4 inch)

4. Install 1 carriage bolt (3/8 x 1-1/4 inch) in the upper-inboard holes of the right, front tank strap (Figure 6).

   Note: Loosely thread a flanged locknuts (3/8 inch) onto the carriage bolt.

5. Install 1 carriage bolts (3/8 x 1-1/4 inch) in the lower-outboard holes of the right, front tank strap (Figure 6).

   Note: Loosely thread a flanged locknuts (3/8 inch) onto the carriage bolts.

6. Install the tank strap hardware that you removed in 2 to secure the straps to the tank.

   Note: Ensure that the square portion of the carriage bolts are seated in the square opening in the tank straps.

   Note: Make sure that the straps are flush to the tank. **Do not overtighten tank strap hardware**.

7. Remove the flanged locknut (3/8 inch) at the lower-outboard carriage bolt at the right, front tank strap, assemble the spray gun bracket to the carriage bolt, and secure the bracket with the flanged locknut (Figure 7).

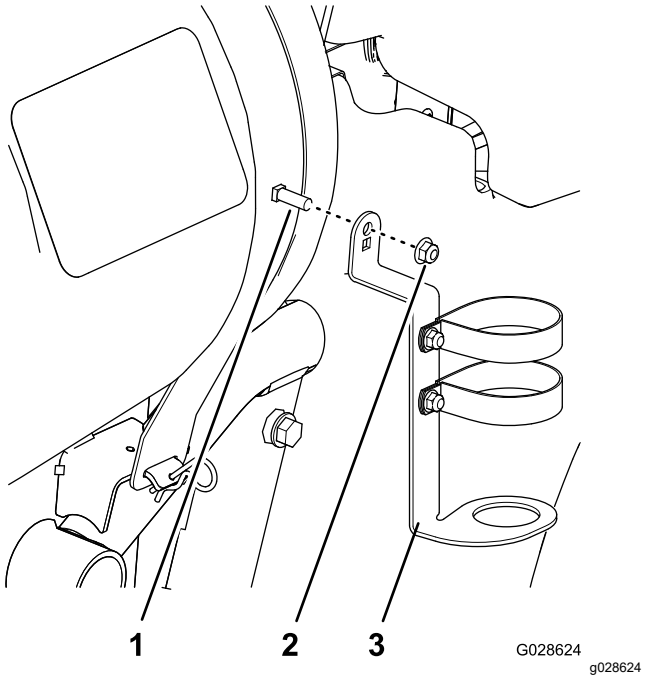


Figure 7

1. Carriage bolts (3/8 x 1-1/4 inch)
2. Flanged locknut (3/8 inch)
3. Spray-gun bracket

Installing the Tank

1. Install the bulkhead fitting into the rinse tank as follows:

   A. Install the flanged seal onto the bulkhead fitting (Figure 8).

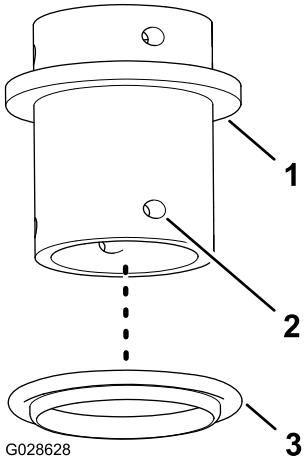


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Figure 8

1. Bulkhead fitting
2. Retaining-fork hole
3. Flanged seal

   B. Attach a wire, longer than the tank is tall, to one of the retaining-fork holes in the bulkhead fitting (Figure 8 and Figure 9)

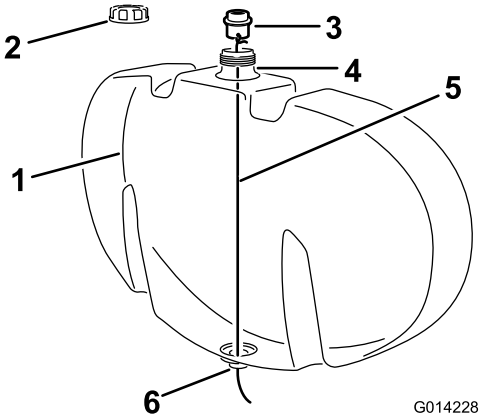

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Figure 9

1. Rinse tank
2. Filler cap
3. Bulkhead fitting
4. Filler opening, rinse tank.
5. Wire
6. Outlet (bottom of the tank)

   C. Remove the tank cap, insert the wire through the filler neck, and pass the wire out through the outlet at the bottom of the tank (Figure 9).

   D. Use the wire to guide the bulkhead fitting to the outlet (Figure 10).

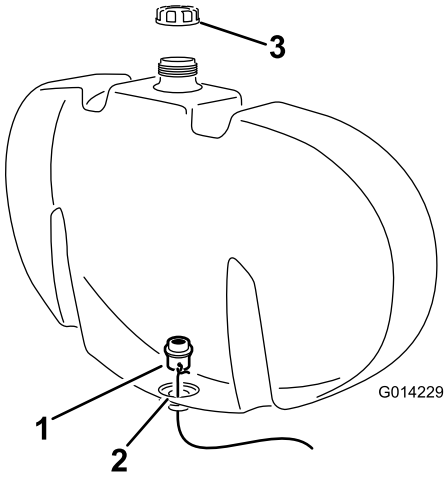

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Figure 10

1. Bulkhead fitting (wire attached)
2. Outlet (bottom of the tank)
3. Filler cap

   E. Move the bulkhead fitting into position making sure that the flanged gasket seats against the interior wall of the rinse tank (Figure 10)

   F. Secure the bulkhead fitting to the rinse tank with a plastic flange nut

   Note: Remove the wire from the bulkhead fitting.

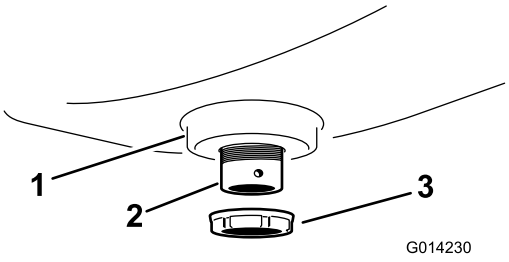

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Figure 11

1. Rinse tank sump
2. Bulkhead fitting (positioned)
3. Plastic flange nut

   G. Install a 90° barbed fitting onto the bulkhead fitting and secure the barbed fitting with a retainer (Figure 12).

   Note: Rotate the 90° barbed fitting so that it faces rearward.

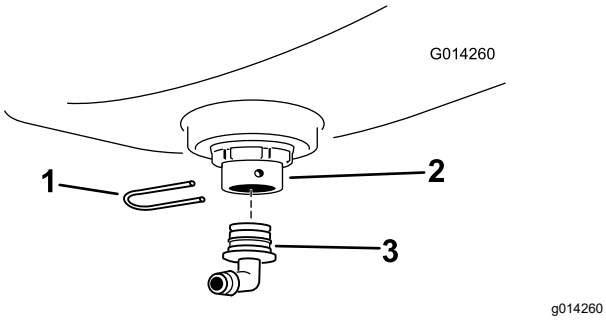


Figure 12

1. Retainer
2. Bulkhead fitting
3. 90° barbed fitting

2. Release the 2 latches that secure the guard behind the seat to the chassis and remove the guard from the machine (Figure 13).

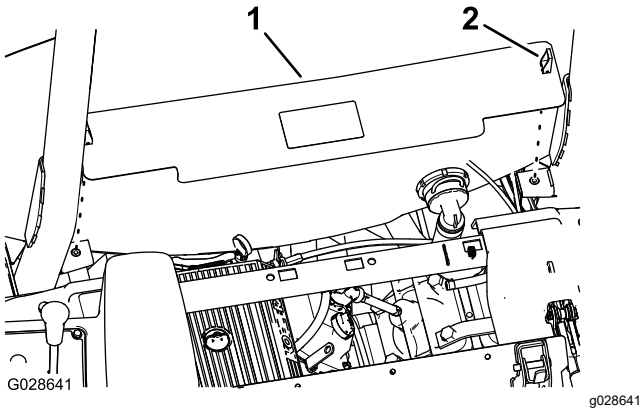


Figure 13

1. Guard
2. Latch

3. Remove the 2 flanged locknuts at the carriage bolts at the upper-inboard hole of the left-and right, front tank straps.
4. Align the rinse tank to the sprayer tank as shown in Figure 14.

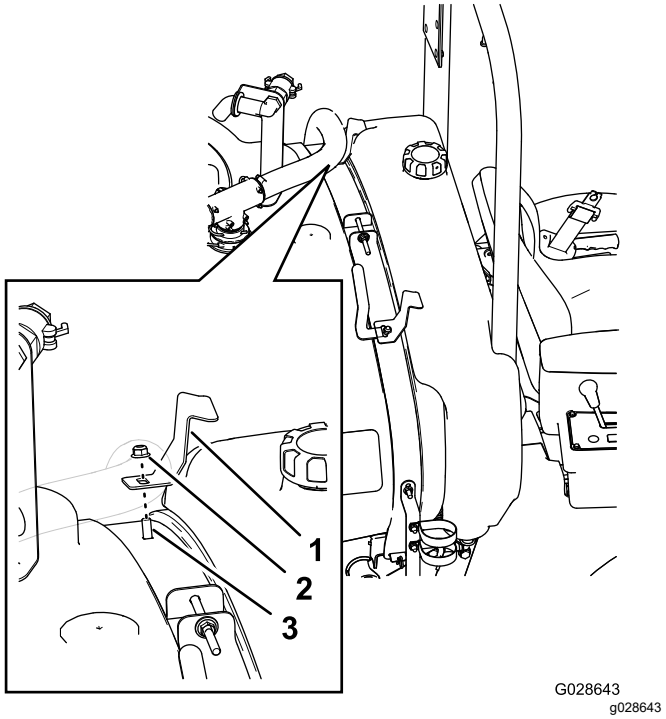


Figure 14

1. Left tank bracket (slotted flange angled down from right to left)
2. Flanged locknut (3/8 inch)
3. Carriage bolt (3/8 x 1 inch)

5. Align the left tank bracket onto the carriage bolt (3/8 x 1 inch) at the upper-inboard holes of the left, front strap (Figure 14).

   Note: Ensure that the tank bracket is aligned with the pocket molded into the top rear part of the rinse tank.

   Note: Replace the R-clamp during this time too.
6. Secure the tank bracket to the carriage bolt and strap (Figure 14) with a flanged locknut (3/8 inch).
7. Align the hose mount, spacer (3/8 x 1/4 inch), and right tank bracket onto the carriage bolt (3/8 x 1 inch)at the upper-inboard hole of the right-front strap. (Figure 15).

   Note: Ensure that the tank bracket is aligned with the pocket molded into the top rear part of the rinse tank.

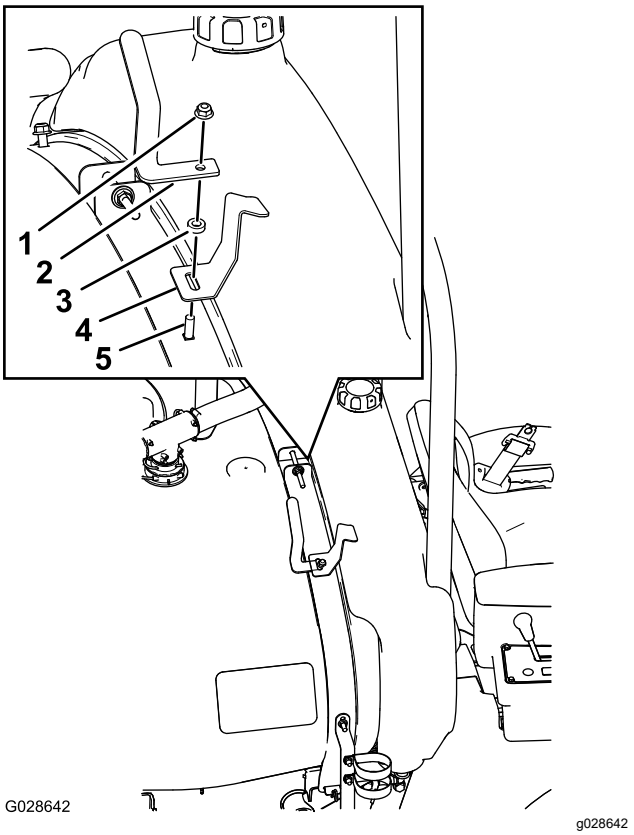


Figure 15

1. Flanged locknut (3/8 inch)
2. Hose mount
3. Spacer (3/8 x 1/4 inch)
4. Right tank bracket (slotted flange angled down from left to right)
5. Carriage bolt (3/8 x 1-1/4 inch)

8. Secure the hose mount, spacer, and tank bracket to the carriage bolt and strap (Figure 15) with a flanged locknut (3/8 inch).

Note: Once the rinse tank has been initially filled with water, check the rinse-tank bracket fasteners and tightened the nuts as needed because the weight of the liquid in the tank can further seat the tank against the frame.

Installing the Fresh Water Tank

1. Align the holes in the fresh water tank with the slots in the mounting bracket; refer to Figure 3 in Removing the Fresh Water Tank (page 6).
2. Assemble the tank to the bracket with the 4 flanged-head bolts that you removed in step 2 of Removing the Fresh Water Tank (page 6).
3. Torque the bolts to 1017 to 1355 N-cm (90 to 120 in-lb).

3

Installing the Rinse Nozzles

Parts needed for this procedure:

2	90° barbed fitting (3/4 inch NPT x 3/4 inch)
2	Plastic flange nut
2	Bulkhead fitting
2	Rinse nozzle
2	Bushing
2	Rinse vane
2	Shoulder bolt

Drilling the Main Tank

1. Open the tank lid and remove the strainer basket.
2. Locate the 2 drill marks on the main tank (Figure 16).

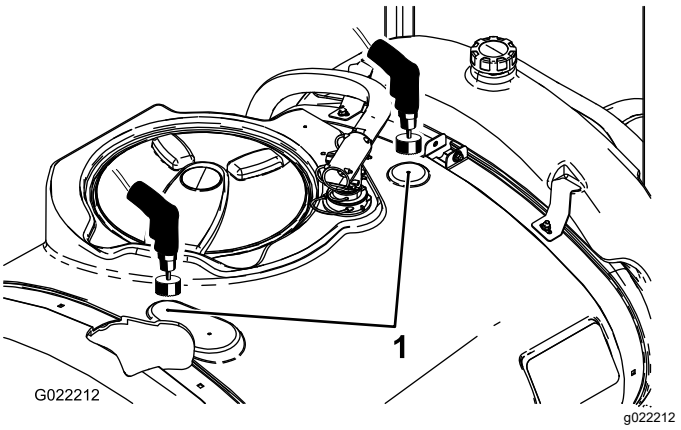


Figure 16

1. Drill marks

3. Use a 4 cm (1-5/8 inch) hole saw to drill a hole at each drill mark.

   Note: Place a receptacle inside the tank and below the areas to be drilled to catch any debris created during the cutting.

   Important: **Debris left inside a tank could clog and damage the spray system during operation.**

   Note: Drilling counter clockwise will make drilling easier.

Installing the Nozzles

Note: Apply PTFE tape to the threads of the taper-threaded fittings used in the sprayer and rinse systems.

1. Assemble the 2 rinse nozzles as shown in Figure 17.

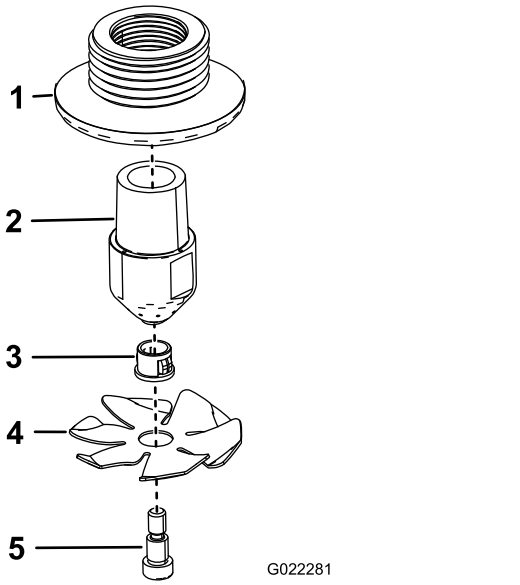


Figure 17

1. Bulkhead fitting
2. Rinse nozzle
3. Bushing
4. Rinse vane
5. Shoulder bolt

2. Open the cover of the sprayer tank.
3. Assemble the nozzle assemblies up through the drilled holes (Figure 18).

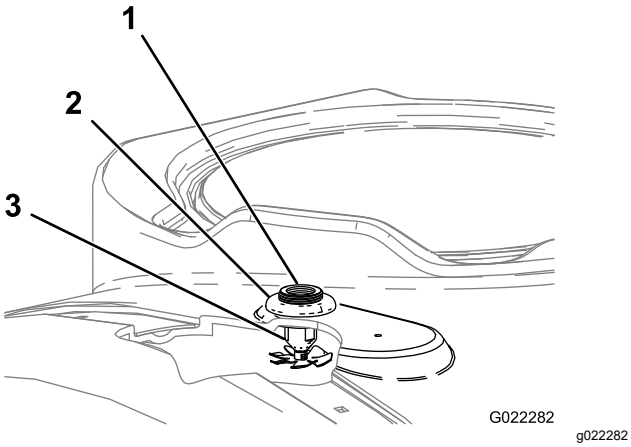


Figure 18

1. Bulkhead fitting
2. Plastic flange nut
3. Rinse-nozzle assembly

4. At top of the tank, install the plastic flange nuts over the exposed threads of the bulkhead fittings for the rinse nozzles(Figure 18).

Note: Ensure that the seal is seated flush between the bulkhead fitting and the underside of the tank.

5. Install a 90° barbed fitting (3/4 inch NPT x 3/4 inch) onto each of the threaded openings of the rinse-nozzle bulkheads (Figure 19).

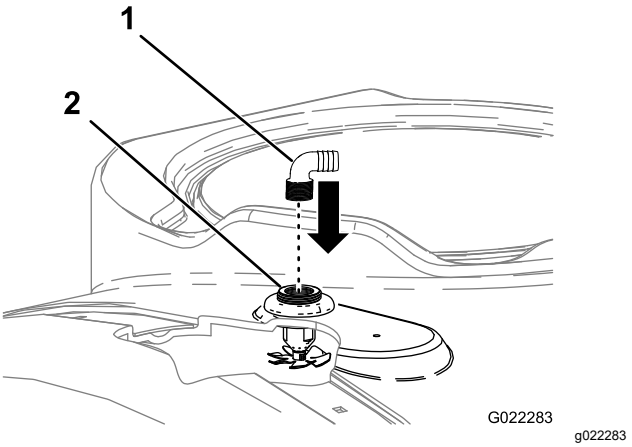


Figure 19

1. 90° barbed fitting (3/4 inch NPT x 3/4 inch)
2. Rinse-nozzle assembly

6. Align the 90° barbed fittings toward the middle of the right side of the machine.

4

Installing the Rinse Pump

Parts needed for this procedure:

2	Carriage bolt (3/8 x 1 inch)
2	Flanged Locknuts (3/8 inch)
1	Rinse-pump mounting bracket
2	Straight-barbed fitting (1/2 inch NPT x 1/2 inch)
1	Nipple (1/2 inch NPT)
1	Pressure filter
1	Rinse pump
1	Valve mount
4	Bolt (1/4 x 1-3/4 inch)
4	Washer (1/4 inch)
4	Serrated-flange nut
2	Small hairpin

Installing the Valve Mount

1. Remove the bolt (3/8 x 5 inch), washers, flanged locknut, and hairpin that secure the right, rear tank straps at the top of the tank.

   Note: Retain the bolt (3/8 x 5 inch), washers, flanged locknut, and hairpin.

2. Install 1 carriage bolt (3/8 x 1 inch) in the upper-inboard holes of the right, rear tank strap (Figure 20).

   Note: Loosely thread a flanged locknuts (3/8 inch) onto the carriage bolt.

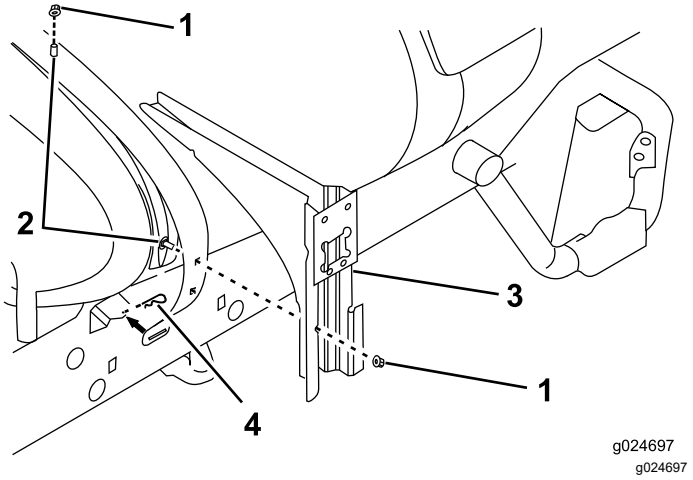


Figure 20

1. Nut
2. Carriage bolt
3. Valve mount
4. Hairpin

3. Install 1 carriage bolts (3/8 x 1 inch) in the lower-outboard holes of the right, rear tank strap (Figure 20).
4. Install the tank strap hardware that you removed in 1 to secure the straps to the tank.

   Note: Ensure that the square portion of the carriage bolts are seated in the square opening in the tank straps.

   Note: Make sure that the straps are flush to the tank. **Do not overtighten tank strap hardware**.

5. Assemble the valve mount to the 2 carriage bolts (3/8 x 1 inch) using 2 flange locknuts (Figure 20).

Assembling the Pressure Filter and Rinse Pump

Note: Apply PTFE tape to the threads of the taper-threaded fittings used in the sprayer and rinse systems.

1. Assemble nipple (1/2 inch NPT x 1/2 inch) into the inlet of the pressure filter assembly and the straight-barbed fitting (1/2 inch NPT x 1/2 inch) into the outlet (Figure 21).

   Note: The arrow at the top of the pressure filter points to the outlet side of the filter head.

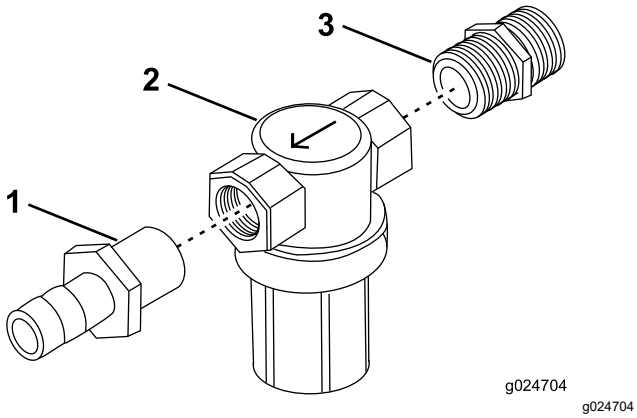


Figure 21

1. Straight-barbed fitting (1/2 inch NPT x 1/2 inch)
2. Pressure filter
3. Nipple (1/2 inch NPT x 1/2 inch)

2. Assemble the pressure-filter assembly onto the rinse pump at the nipple (Figure 22).

   Note: When the nipple is tight, ensure that the filter and pump are aligned vertically.

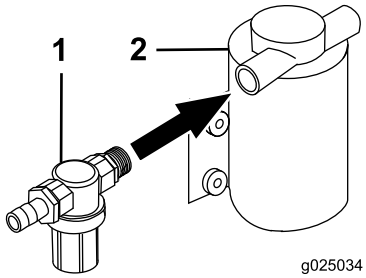


Figure 22

1. Pressure-filter assembly
2. Rinse pump

3. Secure the rinse pump and rinse pump mounting bracket to the valve mount (Figure 23) with the 4 bolts (1/4 x 1-3/4 inch), 4 washers (1/4 inch), and 4 serrated-flange nuts (1/4 inch).

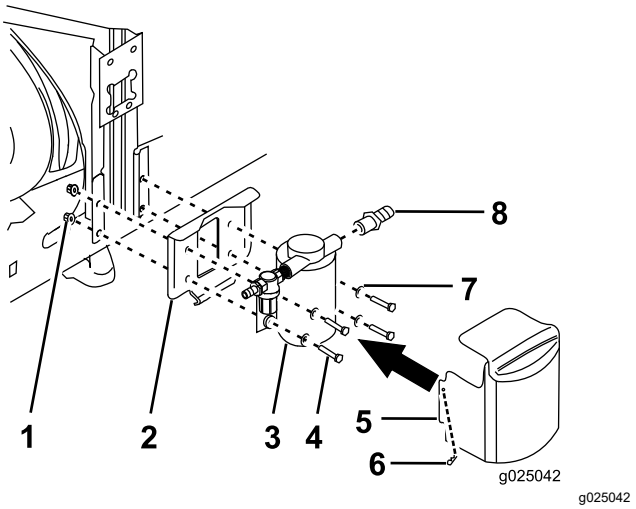


Figure 23

1. Serrated-flange nut (1/4 inch)
2. Rinse-pump mounting bracket
3. Rinse pump
4. Bolt (1/4 x 1-3/4 inch)
5. Rinse-pump cover
6. Hairpin
7. Washer (1/4 inch)
8. Straight-barbed fitting (1/2 inch NPT x 1/2 inch)

4. Install a straight-barbed fitting (1/2 inch NPT x 1/2 inch) into the inlet port of the rinse pump.
5. Secure the rinse-pump cover to the rinse-pump mounting bracket with the 2 hair pins.

5

Assembling and Mounting the 4-Way Valve

Parts needed for this procedure:

1	4-way valve
1	Straight-barbed fitting(1 inch NPT x 3/4 inch)
2	90-degree barbed fitting (1 inch NPT x 3/4 inch)
1	Straight-barbed fitting (3/4 inch NPT x 1/2 inch)
1	Reducer fitting (1 inch NPT x 3/4 inch NPT)
1	Faceplate bracket
1	Valve-mount assembly
4	Bolt (6 mm)
4	Flat washer (6 mm)
4	Locknut (6 mm)
2	Nut (3/8 inch)
2	Bolt (3/8 inch)

Procedure

Note: Apply PTFE tape to the threads of the taper-threaded fittings used in the sprayer and rinse systems.

1. Assemble the 90°-barbed fittings, straight-barbed fitting (1 inch NPT x 3/4 inch), reducer fitting, and straight-barbed fitting (3/4 inch NPT x 1/2 inch) into the 4-way valve as shown in Figure 24.

   Important: **Align the 90° barbed fittings as shown in Figure 24.**

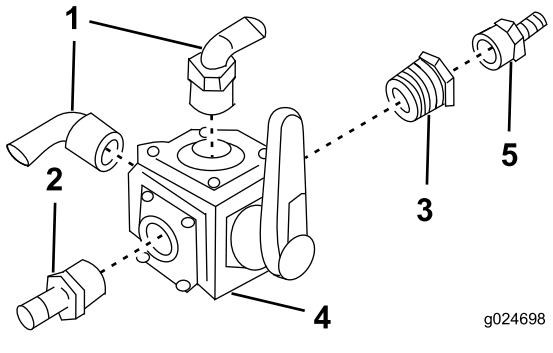


Figure 24

1. 90° barbed fitting (1 inch NPT x 3/4 inch)
2. Straight-barbed fitting (1 inch NPT x 3/4 inch)
3. Reducer fitting (1 inch NPT x 3/4 inch NPT)
4. 4-way valve
5. Straight-barbed fitting (3/4 inch NPT x 1/2 inch)

2. Insert 4 bolts (6 x 16 mm) and 4 washers (6 mm) into the slots of the 4-way valve (Figure 25).

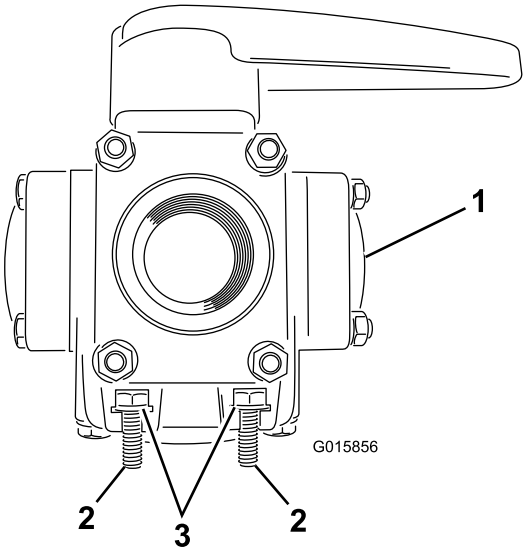


Figure 25

1. 4-way valve
2. Bolt (6 x 16 mm)
3. Washer (6 mm)

3. Assemble the 4-way valve onto the valve mount (Figure 26) with 4 locknuts (6 mm).

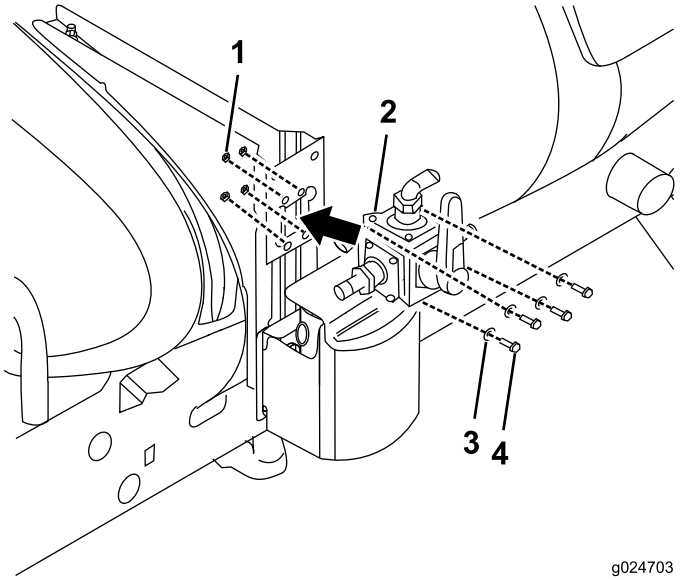


Figure 26

1. Locknut (6 mm)
2. 4-way valve
3. Washer
4. Bolt

4. Install the faceplate bracket onto the valve-mount assembly (Figure 27) with 2 flange bolts (5/16 x 1 inch) and 2 flange locknuts (5/16 inch).

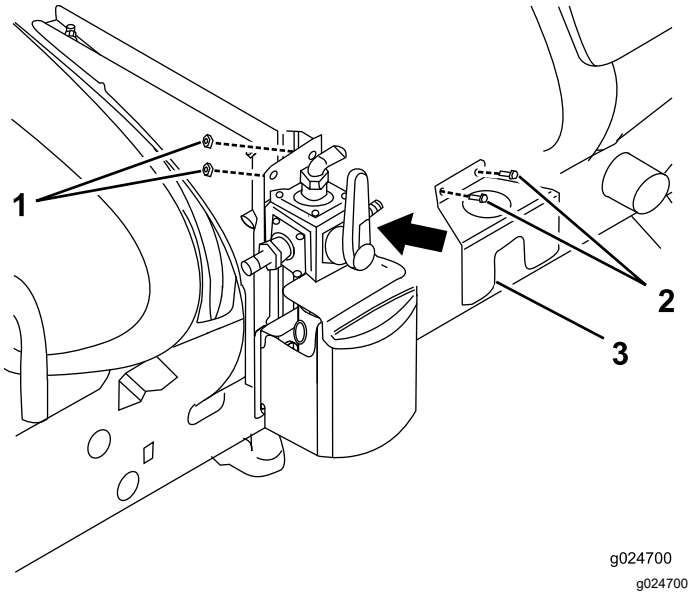


Figure 27

1. Flange locknuts (5/16 inch)
2. Flange bolts (5/16 x 1 inch)
3. Faceplate bracket

6

Installing the Rinse-Pump Switch, Pump Connectors, and Fuse

Parts needed for this procedure:

1	Fuse, 40-amp
1	Dash switch

Installing the Rinse-Pump Switch

1. Tilt the operator's seat forward and secure it with the prop rod (Figure 28).

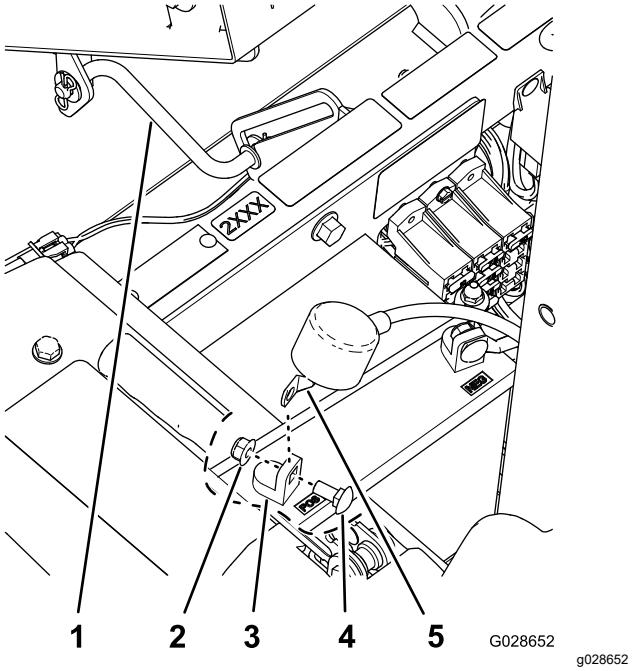


Figure 28

1. Prop rod (operator's seat)
2. Flanged locknut
3. Positive battery terminal
4. Carriage bolt
5. Positive battery cable

2. Remove the flanged locknut, carriage bolt, and positive battery cable from the battery (Figure 28).
3. Locate the plug where you will install the rinse-tank switch at the left side of the console (Figure 29).

   Note: It is the first plug to the right of the lockout key.

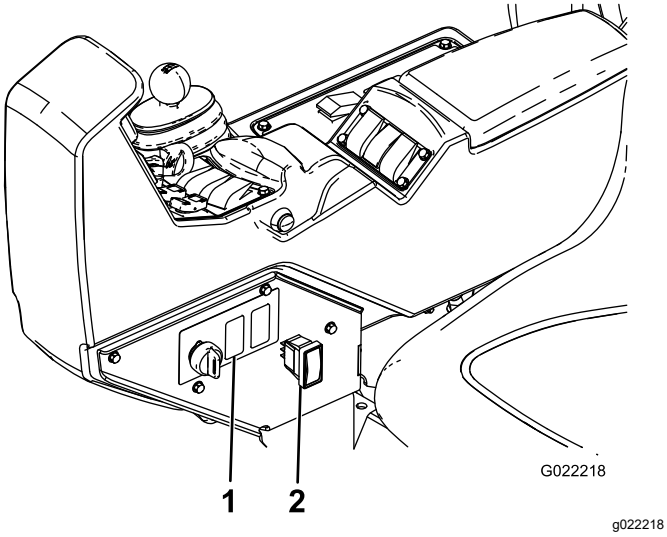


Figure 29

1. Hole in dash
2. 3-position rocker switch (8-pin)

4. Remove the plug from the side of the console (Figure 29).
5. From below the console, locate the 8-socket electrical connector labeled “Rinse Tank” in the main harness.
6. Remove the plastic tie that secures the rinse tank connector to the wiring bundle and route the connector to the opening that you made in the console.
7. Through the opening in the console, connect the 8-pin connector of the 3-position rocker switch into the 8-socket rinse tank connector (Figure 29).
8. Push the switch into the opening in the console until the switch snaps into position.

Connecting the Rinse Pump Connector

1. Align the 2-socket electrical connector of the wiring harness for the machine with the 2-pin electrical connector for the rinse pump (Figure 30).

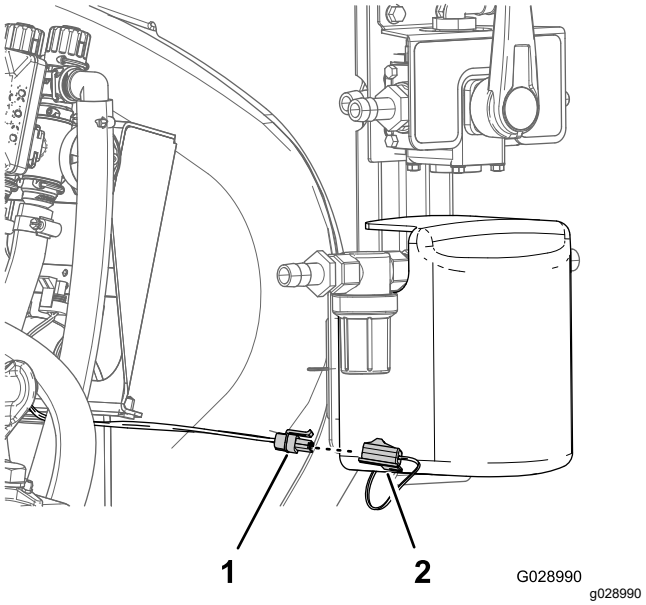


Figure 30

1. 2-socket electrical connector (machine wiring harness)
2. 2-pin electrical connector (rinse-pump harness)

2. Press the 2 connectors together until the latch in the 2-socket connector snaps securely (Figure 30).

Installing the Fuse

1. At the fuse block, remove the 30 amp fuse (Figure 31).

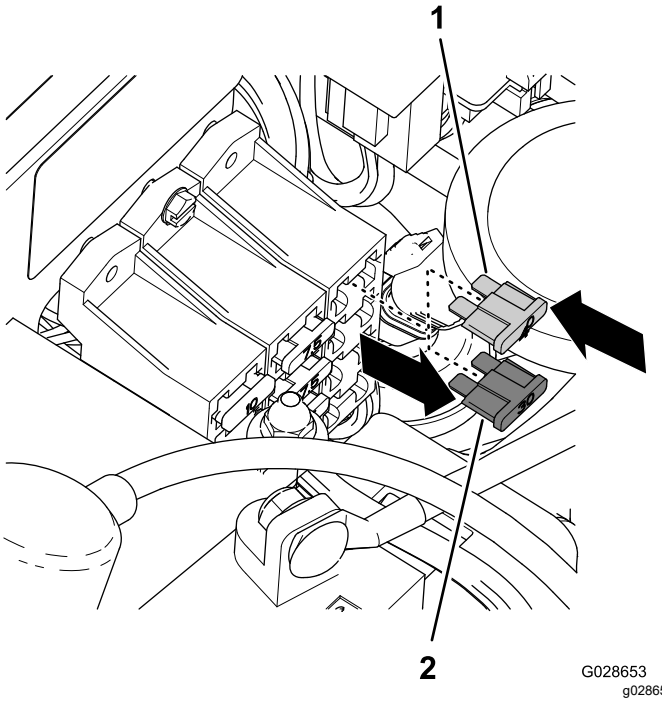


Figure 31

2. At the same socket that you removed the 30 amp fuse, insert a 40 amp fuse (Figure 31).
3. Connect the positive battery cable to the battery (Figure 28).
4. Lower the operator's seat (Figure 28).

7

Installing the Ball Valve and Mounting Assembly

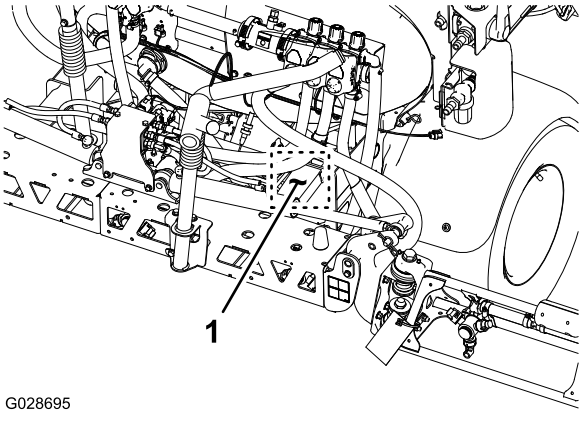
Parts needed for this procedure:

1	Ball valve
2	Straight-barbed fitting (1-1/4 inch NPT x 3/4 inch)
1	Valve-mount bracket
2	Hex-head bolt (5/16 x 5/8 inch)
2	Hex-head bolt (6 x 16 mm)
2	Locknut (6 mm)

Procedure

Note: Apply PTFE tape to the threads of the taper-threaded fittings used in the sprayer and rinse systems.

1. At the boom-mounting plate for the right frame channel of the machine, measure rearward 15.2 cm (6 inches) and mark a line across the right boom mount that supports the center-boom section (Figure 32).



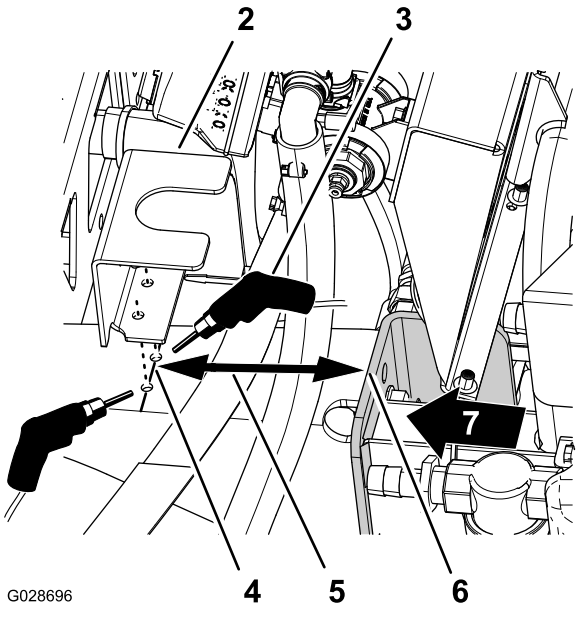


Figure 32

1. Right-boom mount (supporting the center boom section)
2. Ball-valve bracket
3. Drill and 6.5 mm (1/4 inch) drill bit
4. Line
5. 15.2 cm (6 inch)
6. Mounting plate (right frame channel)
7. Rear of the machine

2. Center the holes of the ball valve bracket to the line that you marked in step 1. and center the bracket to the across right boom mount (Figure 32).

   Note: Use the ball valve bracket for a drilling template.
3. Mark the holes in the bracket onto the right boom mount and center punch the marks.
4. Using a drill and a 6.5 mm (1/4 inch) drill bit, drill 2 holes into the frame (Figure 32).
5. Assemble the ball valve to the ball valve bracket (Figure 33) with 2 bolts (5/16 x 5/8 inch).

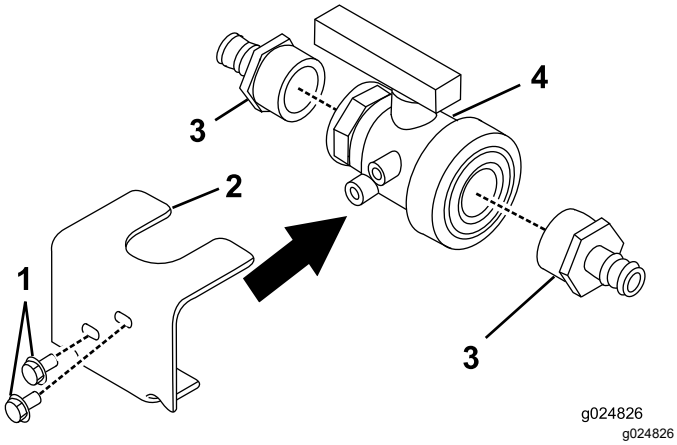


Figure 33

1. Bolt (5/16 x 5/8 inch)
2. Ball valve bracket
3. Straight-barbed fitting (1-1/4 inch NPT x 3/4 inch)
4. Ball valve

6. Install the ball valve and valve mount bracket to the machine with 2 hex-head bolts (6 x 16 mm) and 2 flange nuts (6 mm) (Figure 34).

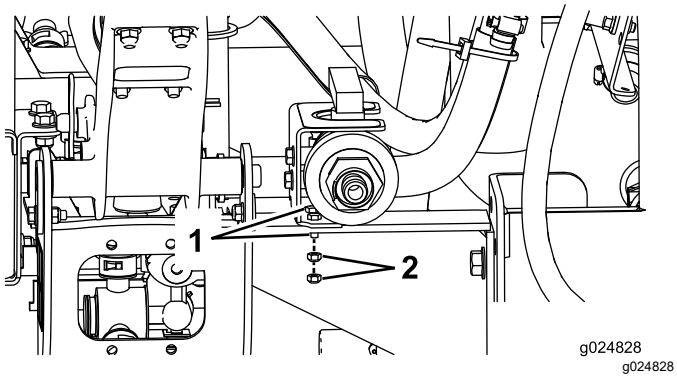


Figure 34

1. Hex-head bolt (6 x 16 mm)
2. Locknut (6 mm)

8

Installing the Upper Tee Assembly

Parts needed for this procedure:

1	Inlet hose 2.5 x 66 cm (1 x 26 inch)
2	Hose clamp
2	90° hub fitting
4	Large O-ring
1	T-Fitting (upper)
3	Retainer
1	Reducer hub
1	Small O-ring
1	Transfer hose 1.9 x 61 cm (3/4 x 24 inch)
1	Hub connector

Removing the Inlet Hose

1. Remove the flange clamp, gasket, flanged elbow, and inlet hose from the pressure filter head (A of Figure 35).

   Note: Retain the gasket and flange clamp for installation later.

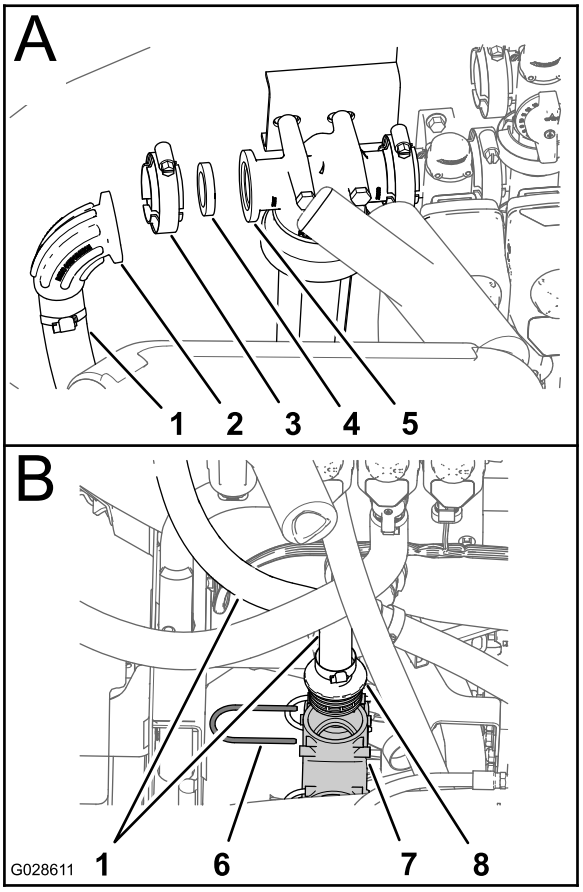


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Figure 35

1. Inlet hose assembly
2. Flanged elbow (machine)
3. Flange clamp
4. Gasket
5. Pressure filter head
6. Retainer
7. Lower T-fitting
8. Straight-hub fitting (inlet hose)

2. Remove the retainer that secures the straight-hub fitting of the inlet hose to the lower T-fitting of the sprayer system and remove the inlet hose from the machine (B of Figure 35)

   Note: Retain the retainer for installation in Installing the Upper T-fitting and Inlet Hose (page 22).

3. Remove the flanged elbow and hose clamp from the inlet hose (Figure 35).

   Note: Retain the flanged elbow and hose clamp; discard the old inlet hose and straight-barbed fitting.

Assembling the Upper T-fitting, Inlet Hose and Ball Valve Hose

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Insert the flanged elbow that you removed in step 3 of Removing the Inlet Hose (page 19) into the inlet hose 2.5 x 66 cm (1 x 26 inch) and secure the fitting with the clamp that you retained (Figure 36)

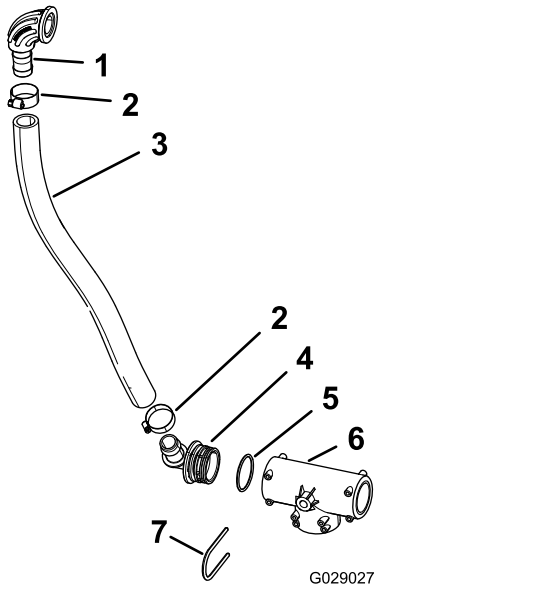


Figure 36

1. Flanged elbow (machine)
2. Hose clamp
3. Inlet hose 2.5 x 66 cm (1 x 26 inch)
4. 90° hub fitting
5. O-ring
6. Upper T-fitting (kit)
7. Retainer

2. Insert the barbed end of a 90° hub fitting into the other end of the inlet hose and secure it with a hose clamp as shown in Figure 36.

   Note: Align the face of the elbow with the face of the 90° hub fitting.

3. Assemble an O-ring into the O-ring groove of the 90° hub fitting (Figure 36)
4. Insert the hub of the 90° fitting into one end of the upper T-fitting (Figure 36) and secure the hub fitting the T-fitting with a retainer.
5. Install the large O-ring into the O-ring groove of the reducer hub and the small O-ring into the O-ring groove of the 90° hub fitting (Figure 37).

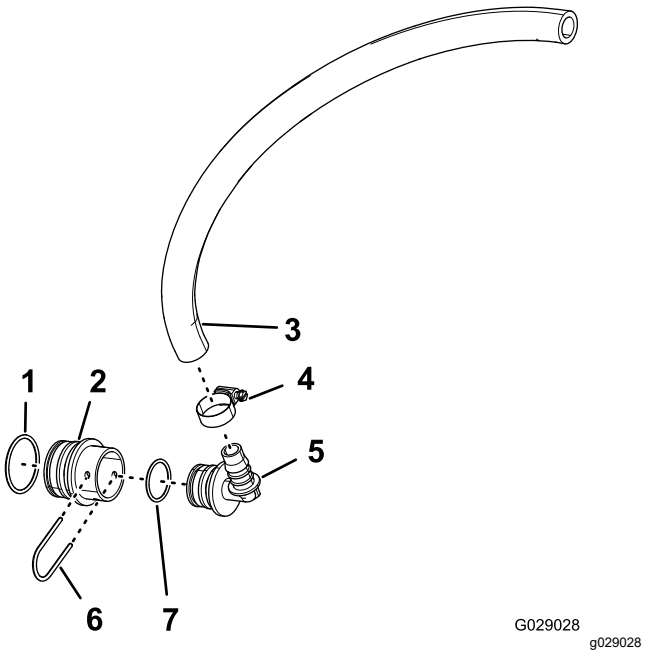


Figure 37

1. O-ring (large)
2. Reducer hub
3. Transfer hose 1.9 x 61 cm (3/4 x 24 inch)
4. Hose clamp
5. 90° hub fitting
6. Retainer
7. O-ring (small)

6. Install the 90° hub fitting into the reducer hub and secure the fittings with a retainer (Figure 37).
7. Assemble transfer hose 1.9 x 61 cm (3/4 x 24 inch) onto the barbed end of a 90° hub fitting into and secure the hose and fitting with a hose clamp (Figure 37).

Installing the Upper T-fitting and Inlet Hose

1. Install the 2 large O-rings into the O-ring grooves at either end of the hub connector (Figure 38)

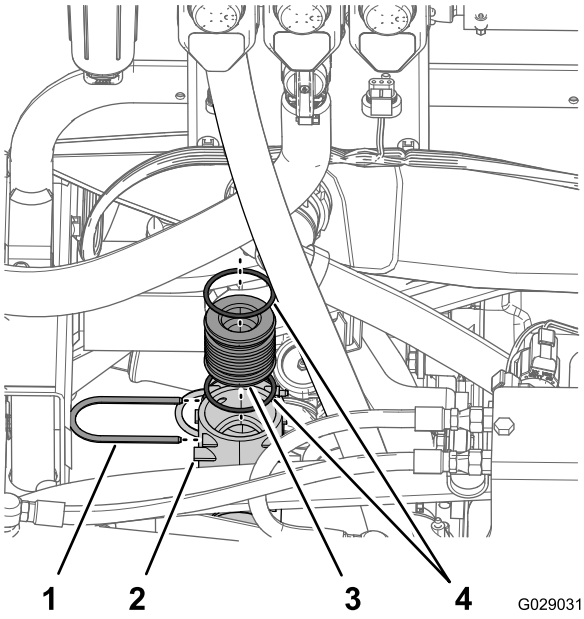


Figure 38

1. Retainer
2. Lower T-fitting (machine)
3. Hub connector
4. Large O-rings

2. Route the inlet and upper T-fitting that you assembled in Assembling the Upper T-fitting, Inlet Hose and Ball Valve Hose (page 21) as shown in Figure 39.

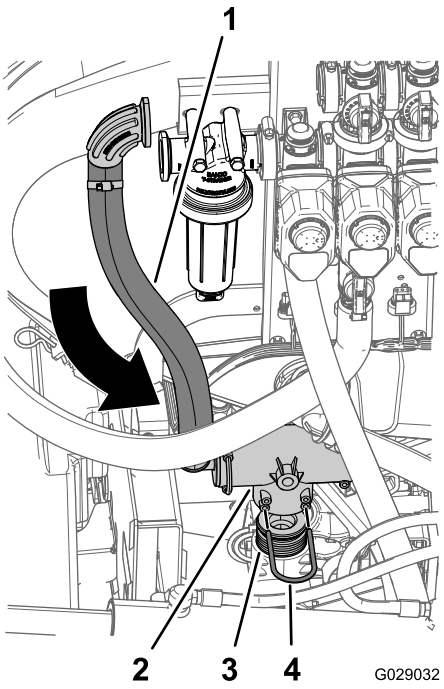


Figure 39

1. Inlet hose
2. Upper T-fitting
3. Retainer

3. Install the upper T-fitting onto the hub connector and secure the fitting and connector with the retainer (Figure 39) that you removed in step 2 of Removing the Inlet Hose (page 19).
4. Align the flanged elbow and a the gasket that you removed Secure the flanged elbow the hose with the hose clamp (Figure 40) that you removed in 3 of Removing the Inlet Hose (page 19).

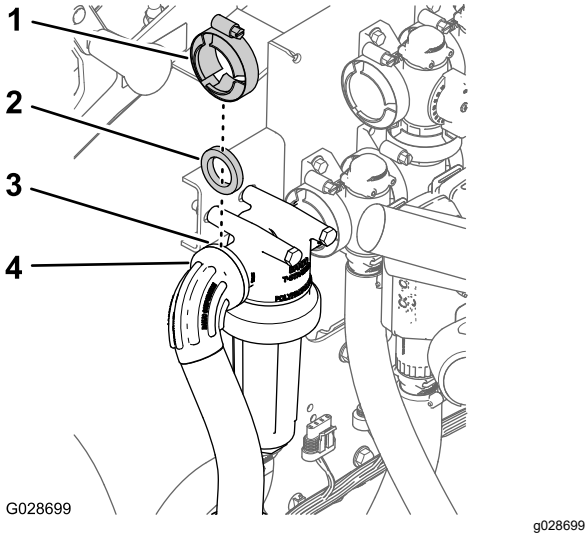


Figure 40

1. Flanged clamp
2. Gasket
3. Flange (pressure filter head)
4. Flange (90° fitting—inlet hose)

5. Secure the inlet hose to the pressure filter head with the gasket and flanged clamp (Figure 40) that you removed in 1 of Removing the Inlet Hose (page 19).

9

Installing the Hose between the Upper T-fitting and the Ball Valve

Parts needed for this procedure:

1	Hose clamp
1	Retainer

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Install the reducer hub at the end of the transfer hose into the inboard port of the upper T-fitting (Figure 41).

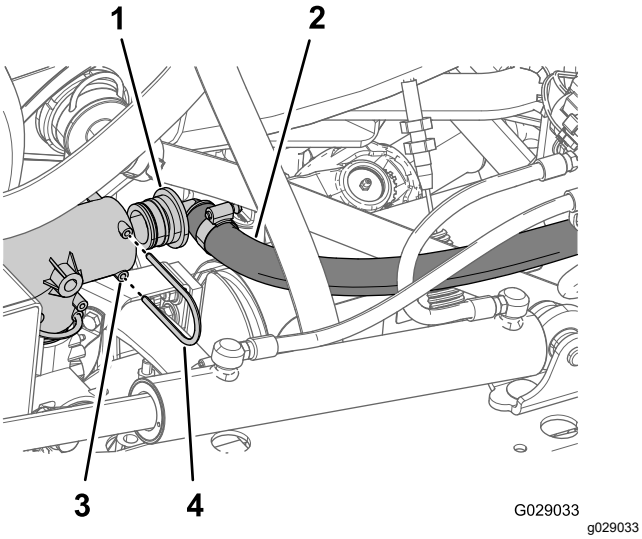


Figure 41

1. 90° hub fitting
2. Transfer hose 1.9 x 61 cm (3/4 x 24 inch)
3. T-fitting
4. Retainer

2. Secure the reducer hub to the T-fitting with a retainer (Figure 41).
3. Assemble the free end of the transfer hose over the straight-barbed fitting at the inboard side of the ball valve (Figure 42).

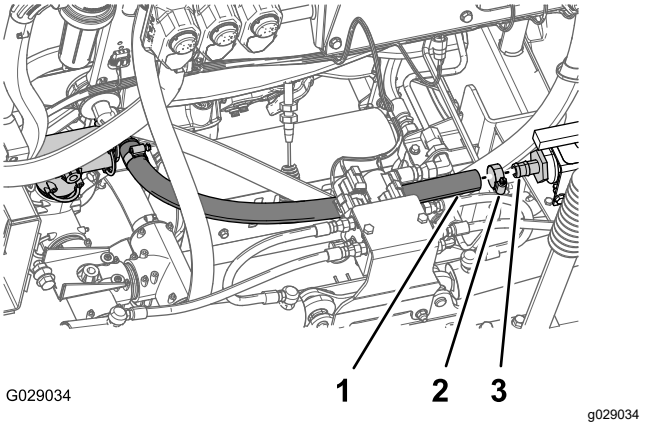


Figure 42

1. Transfer hose 1.9 x 61 cm (3/4 x 24 inch)
2. Hose clamp
3. Straight-barbed fitting (ball valve)

4. Secure the hose to the barbed fitting with a hose clamp (Figure 42).

10

Installing the Hose between the Ball Valve and the 4-Way Valve

Parts needed for this procedure:

1	Hose 1.9 x 76 cm (3/4 x 30 inch)
2	Hose clamp

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Assemble the end of the Hose 1.9 x 76 cm (3/4 x 30 inch) over the straight-barbed fitting at the outboard side of the ball valve (Figure 43).

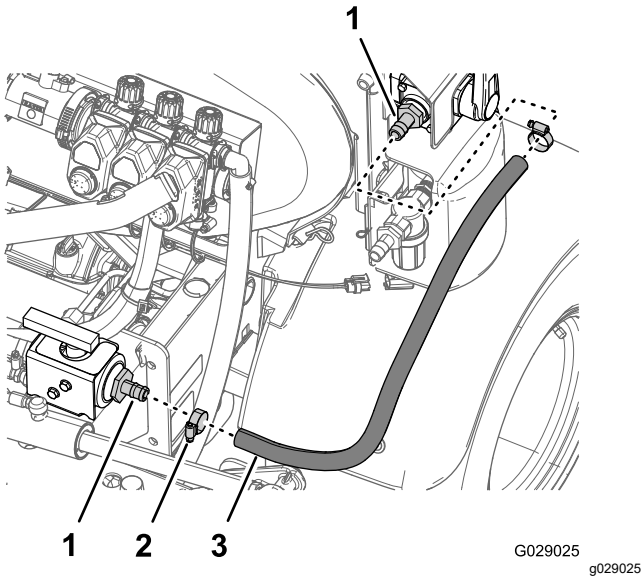


Figure 43

1. Straight-barbed fitting
2. Hose clamp
3. Hose 1.9 x 76 cm (3/4 x 30 inch)

2. Secure the hose to the barbed fitting with a hose clamp (Figure 43).
3. Assemble the free end of the hose 1.9 x 76 cm (3/4 x 30 inch) over the straight-barbed fitting at the back of the 4–way valve (Figure 43).
4. Secure the hose to the fitting with a hose clamp (Figure 43).

11

Installing the Hose Between the Pressure-Filter Assembly and the 4-Way Valve

Parts needed for this procedure:

1	Hose 1.9 x 61 cm (3/4 x 24 inch)
2	Hose clamp

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Assemble the hose 1.9 x 61 cm (3/4 x 24 inch) over the 90° barbed fitting at the inboard side of the 4-way valve (Figure 44).
2. Secure the hose to the fitting with a hose clamp (Figure 44).

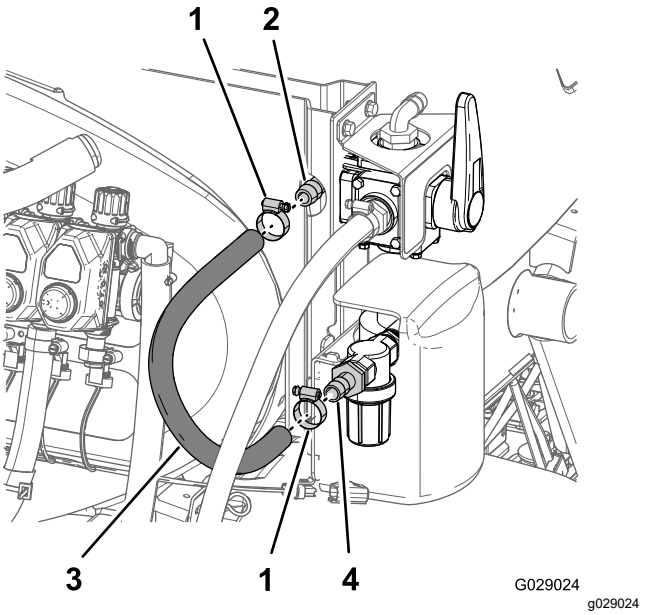


Figure 44

1. Hose clamp
2. 90° barbed fitting
3. Hose 1.9 x 61 cm (3/4 x 24 inch)
4. Straight-barbed fitting

3. Assemble the free end of the hose over the straight-barbed fitting and secure the hose to the fitting with a hose clamp (Figure 44).

12

Installing the Rinse Nozzle Hoses

Parts needed for this procedure:

2	Hose 1.9 x 48.3 cm (3/4 x 19 inch)
1	Hose 1.9 x 61 cm (3/4 x 24 inch)
1	Tee fitting
6	Hose clamp

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Assemble a hose 1.9 x 48.3 cm (3/4 x 19 inch) onto each of the 90° barbed fittings at the 2 rinse nozzles (Figure 45).

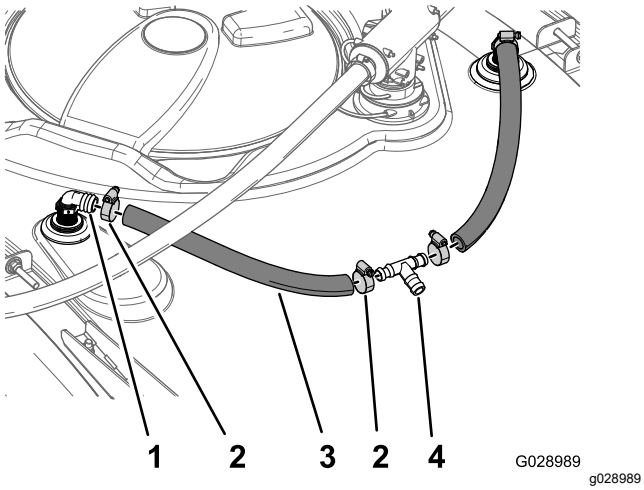


Figure 45

1. 90° barbed fittings (rinse nozzle)
2. Hose clamp
3. Hose 1.9 x 48.3 cm (3/4 x 19 inch)
4. Barbed T-fitting

2. Secure the hoses to the 90° barbed fittings with hose clamps (Figure 45).
3. Insert the barbed T-fitting into free end of each hose (Figure 45).
4. Align the barbed T-fitting so that the side of the lower barb is flush to the sprayer tank and secure the hoses to the T-fitting with 2 hose clamps (Figure 45).
5. Assemble a hose 1.9 x 61 cm (3/4 x 24 inch) over the straight-barbed fitting at the forward side of the 4-way valve (Figure 46).

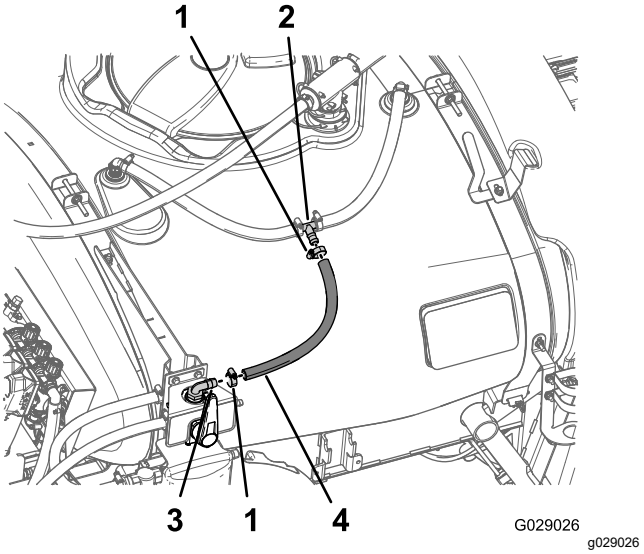


Figure 46

1. Hose clamp
2. Barbed T-fitting
3. 90° barbed fitting
4. Hose 1.9 x 61 cm (3/4 x 24 inch)

6. Secure the hose to the fitting at the valve with a hose clamp (Figure 46).
7. Assemble the free end of the hose onto the barbed T-fitting and secure the hose to the fitting with a hose clamp (Figure 46).

13

Connecting the Spray Hose and Gun

Parts needed for this procedure:

1	Hose 1.3 x 762 cm (1/2 x 300 inch)
1	Spray gun
2	Hose clamp
1	Spray gun barbed fitting

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Assemble the Spray gun barbed fitting onto the fitting in the spray gun (Figure 47).
2. Assemble the hose 1.3 x 762 cm (1/2 x 300 inch) onto the pray gun barbed fitting and secure the hose to the fitting with a hose clamp (Figure 47).

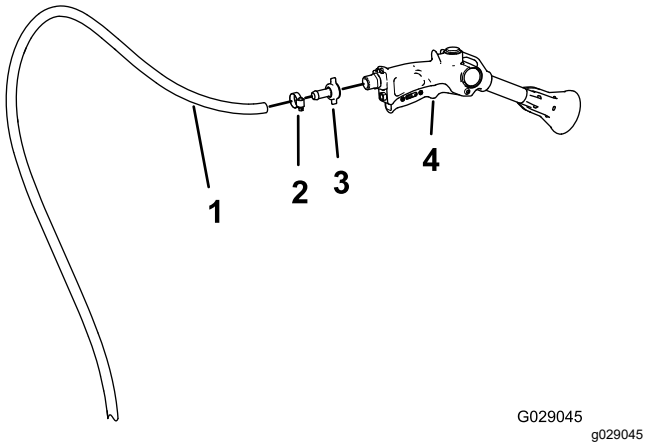


Figure 47

1. Hose 1.3 x 762 cm (1/2 x 300 inch)
2. Hose clamp
3. Spray gun barbed fitting
4. Spray gun

3. Place the spray gun in the spray gun bracket, route the hose around the hose mount, and route the free end of the hose to the 4-way valve as shown in Figure 48.

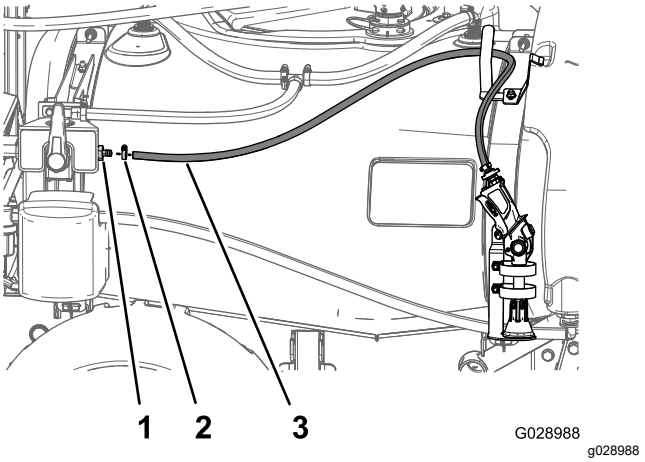


Figure 48

1. Straight barbed-fitting
2. Hose clamp
3. Hose 1.3 x 762 cm (1/2 x 300 inch)

4. Assemble the free end of the hose onto the straight-barbed fitting at the front side of the 4-way valve (Figure 48).
5. Secure the hose to the fitting with a hose clamp (Figure 48).

14

Installing the Rinse Tank Hose

Parts needed for this procedure:

1	Hose (45 inches)
2	Hose clamp
1	Conduit

Procedure

Note: To insert the barbed fitting into the hose more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil to the barbed end of the fitting.

1. Assemble the hose 1.9 x 114 cm (3/4 x 45.0 inch) onto the straight-barbed fitting at the forward side of the tank rinse pump (Figure 49).
2. Secure the hose to the fitting with a hose clamp (Figure 49).

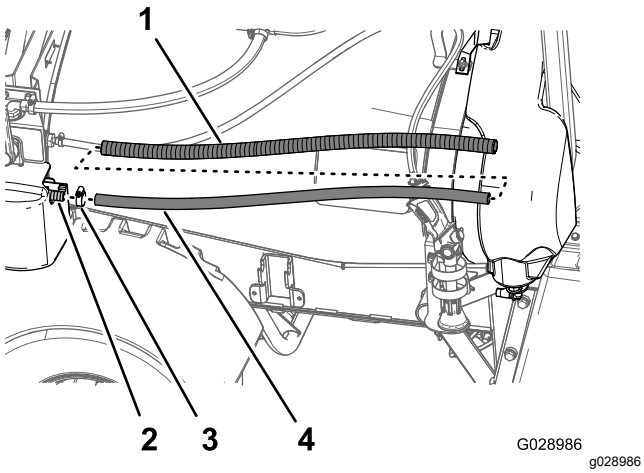


Figure 49

1. Hose conduit
2. Straight-barbed fitting (tank rinse pump)
3. Hose clamp
4. Hose 1.9 x 114 cm (3/4 x 45 inch)

3. Slip the hose conduit over the hose leaving about 30 cm (1 ft) of the free end of the hose exposed (Figure 49 and Figure 50).

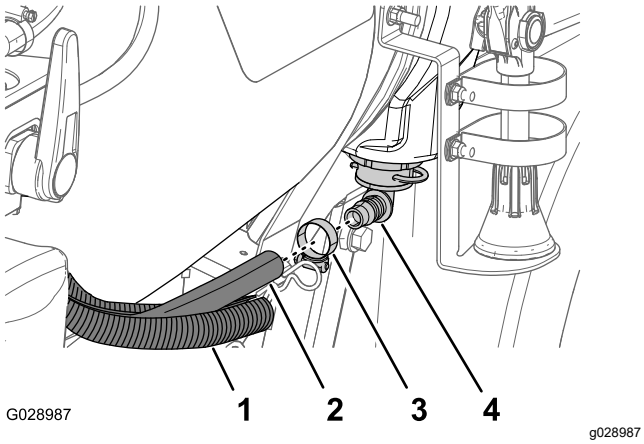


Figure 50

1. Hose conduit
2. Hose 1.9 x 114 cm (3/4 x 45 inch)
3. Hose clamp
4. 90° barbed fitting

4. Assemble the free end of the hose onto the 90° barbed fitting at the bottom of the rinse tank (Figure 50).
5. Secure the hose to the fitting with a hose clamp and finish wrapping the end of the hose with the hose conduit (Figure 50).

15
Installing Decals

Parts needed for this procedure:

1	Decal (120-0673)
1	Decal (120–0687)

Procedure

1. Thoroughly clean the surface of the 4-way valve bracket and ball valve bracket (Figure 51 and Figure 52).

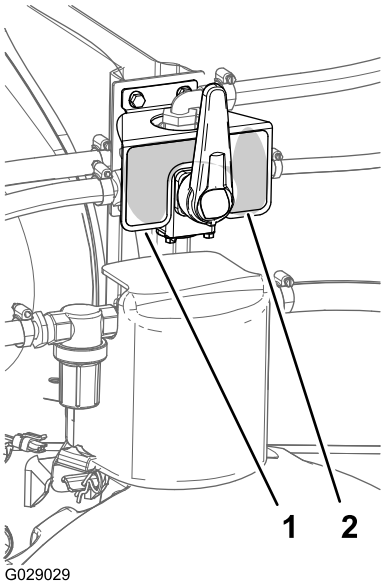


Figure 51

1. Decal 120–0673
2. 4-way valve bracket

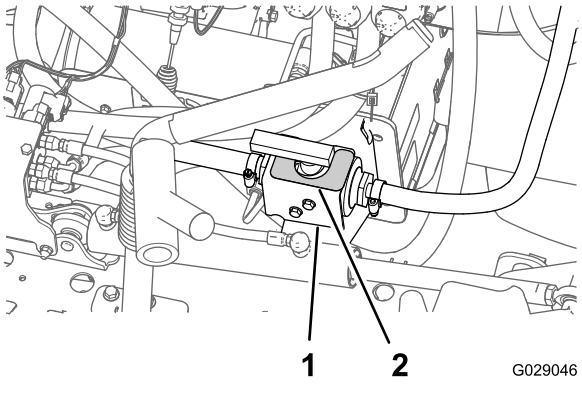


Figure 52

1. Ball valve bracket
2. Decal 120-0687

2. Peel the backing from the decal and install the decals to the machine as shown in Figure 51 and Figure 52).

Operation

Tank Clean Rinse Kit Operation

Using the Tank Clean Rinse Kit creates a rinsate; a diluted solution of residual chemicals. In many cases it is appropriate to apply the rinsate onto the treated areas. However, before doing so, check with the manufacturer of the chemical to ensure that the application of a diluted solution to the treated areas will not adversely affect the performance of the product.

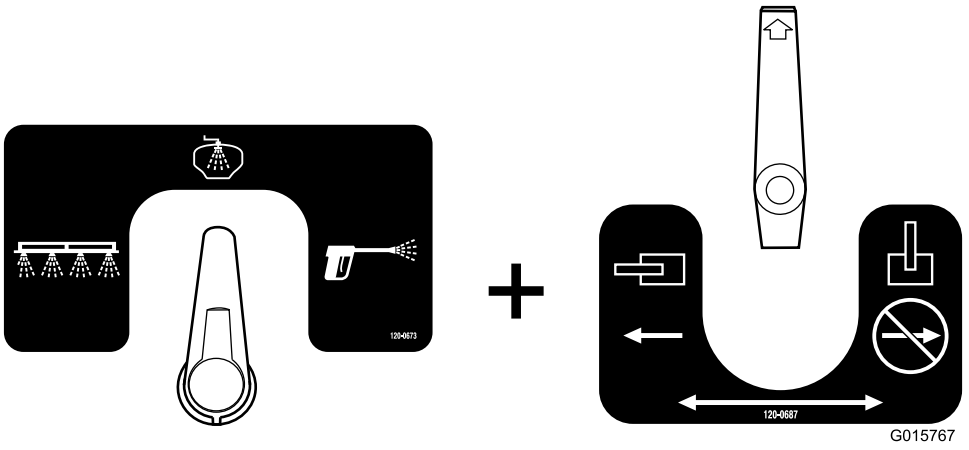
Important: **The Tank Clean Rinse Kit is not intended to dislodge clumped masses of wetable powder or "water-soluble" chemicals that occur when chemicals are not properly introduced into the main tank.**

Configuring the Valves for the Rinse System

Note: Do not set the valves in any other configuration except those shown below.

- This is the tank rinsing configuration (Figure 53). Use this configuration to spray rinse water out of the rinse nozzles in the tank.

  Note: The ball valve must be in this position when using the spray system.

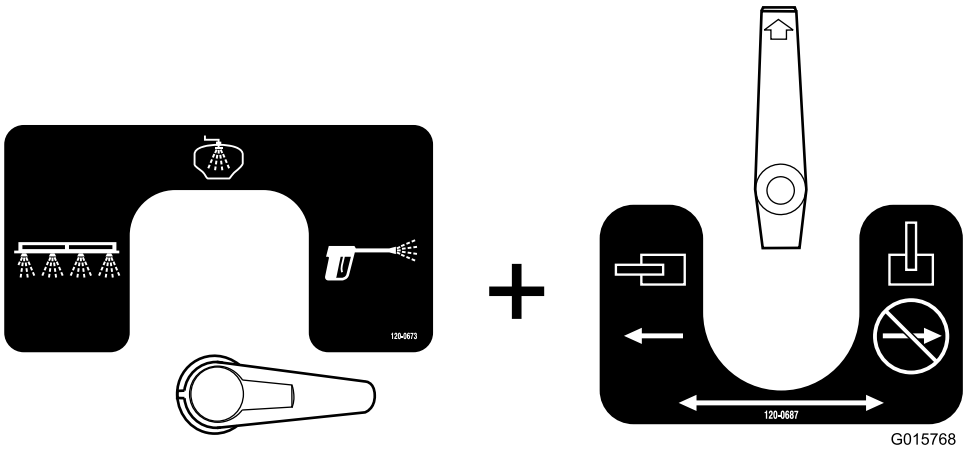


g015767

Figure 53
4–way valve + Ball Valve

- This is the spray gun configuration (Figure 54). Use this configuration to spray rinse water out of the hand spray gun.

  Note: The ball valve must be in this position when using the spray system.



g015768

Figure 54
4–way valve + Ball Valve

- This is the boom configuration (Figure 55). Use this configuration to spray rinse water out of the booms.

  Important: **Do not set the ball valve in this position when you operate the main chemical pump.**

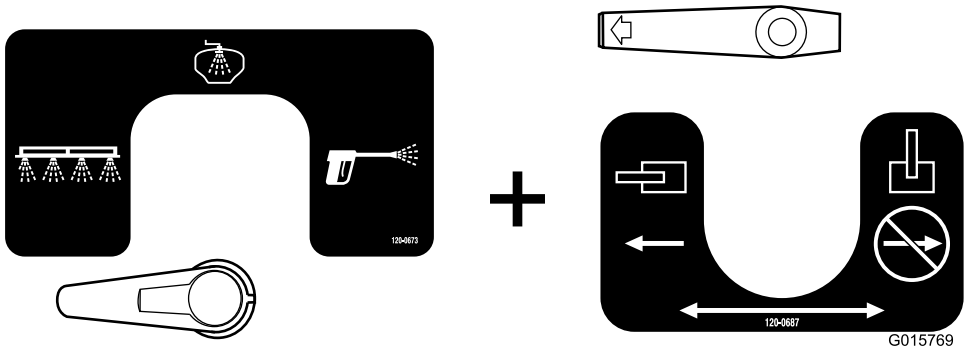


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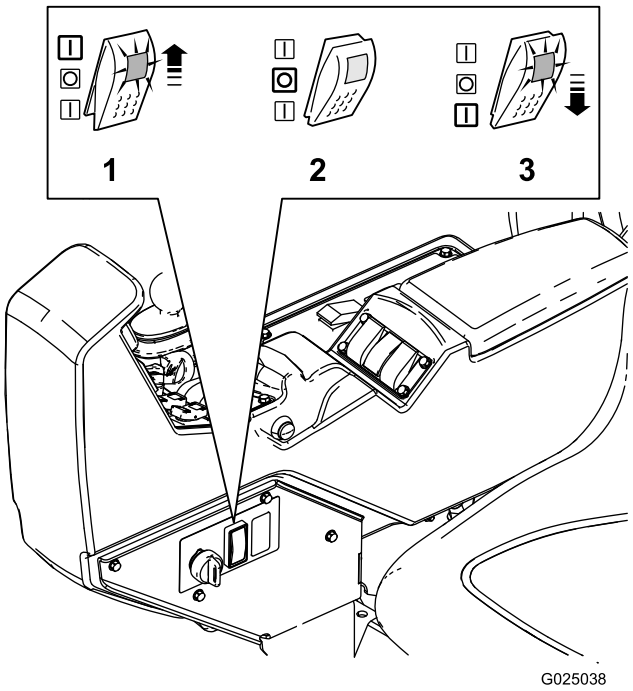
Figure 55
4–way valve + Ball Valve

Controls

The Tank Clean Rinse Kit is controlled by a 3-position switch.

- **Up:** the rinse pump is on, the switch will lock in the up position, and the delay timer is activated.
- **Neutral:** the rinse pump is off and switch is in a middle position.
- **Down:** the rinse pump is on, the switch must be held in the down position, and the delay timer in not activated.



g025038

Figure 56

1. Up, On or timed rinse position
2. Neutral, Off position
3. Down, On or momentary rinse position

Pressing the switch **up** engages a timed rinse. The pump engages for 60 seconds and pumps approximately 1/3 of the rinse tank contents into the main tank. During this time, the switch will stay in the up position. After 60 seconds, the pump stops running. The switch will remain in the up position until moved to the center or neutral position.

When the switch is in the **Neutral** position the power is not supplied to the pump and the rinse kit is off.

Pressing the switch **Down** engages a momentary switch. Power is supplied to the pump for the duration in which the switch is held down. Release pressure and the switch will move to the Neutral position and power will not be supplied to the pump. While the switch is held in the down position the pump will run.

Filling the Tank

Replace the cap

1. Shut off the sprayer pump, move the sprayer to a level surface and set the parking brake.
2. Shut off the engine and remove the key from the key switch.
3. Remove the cap from the rinse tank and fill the tank with approximately 66 L (17.5 US gallons) of clean water.
4. Install the cap onto the filler neck of the rinse tank.

Important: **The 66 L (17.5 US gallons) rinse tank is only intended to be filled with clean water. The introduction of any other substance to the rinse tank can cause a safety hazard and/or damage the machine.**

Using the Rinse Cycle

Using the rinse cycle allows the vehicle to be moving during the rinse processes.

1. Position the sprayer on a level surface, set the parking brake, stop the pump, stop the engine, and remove the ignition key.
2. Remove the rinse tank cap and fill the tank with approximately 66 L (17.5 US gallons) of clean water. Replace the cap

   Important: **The 66 L (17.5 US gallon) rinse tank is only intended to be filled with clean water. The introduction of any other substance to the rinse tank can cause a safety hazard and/or will damage the machine.**
3. Turn the rinse pump on by setting the rinse-pump switch as follows:
   - Press the switch to the **up** position for a timed rinse.
   - Press and **hold down** the switch to manually run the pump for the desired duration.
4. Once the rinse pump has transferred 22 L (5.8 US gallons) of water in the sprayer tank, the user can use the agitation switch of the sprayer system to circulate the clean water through the agitation loop.
5. Empty the rinsate out if the sprayer tank using 1 of the following procedures:

   Important: **Dispose of the rinseate as required by Federal, State and Local regulations**
   - Spray the rinsate through the booms until the main tank is empty.
   - Drain the main tank contents into a suitable container and dispose of the diluted solution as required by federal, state or local regulations.
6. Repeat steps 2 through 5 for 2 additional cycles.

Maintenance

Inspecting the Rinse Pump Filter

Service Interval: After the first 5 hours

Every 50 hours

Check the filter for any signs of damage. Replace if any damage is found.

Inspecting the Rinse System for Leaks and Damage

Service Interval: Before each use or daily—Inspect the hoses for leaks.

After the first 5 hours—Inspect the hoses for damage.

Every 100 hours—Inspect the hoses and O-rings for damage.

After the first 5 hours of operation, inspect all hoses and connections for any leaks or signs of damage. Inspect the hose clamps and retaining forks. Verify that all connections are secure. Replace any damaged parts. Repeat this inspection before each use of the rinse system.

After 100 operating hours, inspect all hoses and O–rings. Replace any damaged parts.

Contact your Authorized Toro Dealer to obtain replacement parts.

Inspecting the Sprayer Tank Straps

Service Interval: After the first hour—Check the rinse tank straps.

Important: **Over-tightening the fasteners that secure the sprayer tank strap can deform and damaging of the straps.**

1. Once the sprayer tank has been filled with water, check to see if there is any slack in the tank straps. If the straps are loose, tighten the fasteners at the top of the straps until they are flush with surface of the tank.

   Note: Do not over-tighten the sprayer tank straps.

2. Check that the right and left rinse-tank bracket hold the rinse tank securely.

   Note: Tighten the locknut that secure the rinse-tank brackets to the sprayer tank straps as needed to secure the rinse tank.

Notes:

Notes:

Declaration of Incorporation

Model No.	Serial No.	Product Description	Invoice Description	General Description	Directive
41155	315000001 and Up	EU Compliance Kit, 2015 and After Multi Pro 1750 Turf Sprayer	EU COMPLIANCE KIT - MP1750 KZ VALVE	Turf Sprayer	2006/42/EC, 2004/108/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:

Tom Langworthy
Engineering Director
8111 Lyndale Ave. South
Bloomington, MN 55420, USA
December 2, 2022

Authorized Representative:

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

UK Declaration of Incorporation

Model No.	Serial No.	Product Description	Invoice Description	General Description	Regulation
41155	315000001 and Up	EU Compliance Kit, 2015 and After Multi Pro 1750 Turf Sprayer	EU COMPLIANCE KIT - MP1750 KZ VALVE	Turf Sprayer	S.I. 2008 No. 1597, S.I. 2016 No. 1091

Relevant technical documentation has been compiled as required per Schedule 10 of S.I. 2008 No. 1597.

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 regulations.

This declaration has been issued under the sole responsibility of the manufacturer.
The object of the declaration is in conformity with relevant UK legislation.

Authorized Representative:

Marcel Dutrieux
Manager European Product Integrity
Toro U.K. Limited
Spellbrook Lane West
Bishop's Stortford
CM23 4BU
United Kingdom

Tom Langworthy
Engineering Director
8111 Lyndale Ave. South
Bloomington, MN 55420, USA
December 2, 2022

International Distributor List

Distributor:	Country:	Phone Number:	Distributor:	Country:	Phone Number:
Agrolanc Kft	Hungary	36 27 539 640	Maquiver S.A.	Colombia	57 1 236 4079
Balama Prima Engineering Equip.	Hong Kong	852 2155 2163	Maruyama Mfg. Co. Inc.	Japan	81 3 3252 2285
B-Ray Corporation	Korea	82 32 551 2076	Mountfield a.s.	Czech Republic	420 255 704 220
Casco Sales Company	Puerto Rico	787 788 8383	Mountfield a.s.	Slovakia	420 255 704 220
Ceres S.A.	Costa Rica	506 239 1138	Munditol S.A.	Argentina	54 11 4 821 9999
CSSC Turf Equipment (pvt) Ltd.	Sri Lanka	94 11 2746100	Norma Garden	Russia	7 495 411 61 20
Cyril Johnston & Co.	Northern Ireland	44 2890 813 121	Oslinger Turf Equipment SA	Ecuador	593 4 239 6970
Cyril Johnston & Co.	Republic of Ireland	44 2890 813 121	Oy Hako Ground and Garden Ab	Finland	358 987 00733
Equiver	Mexico	52 55 539 95444	Parkland Products Ltd.	New Zealand	64 3 34 93760
Femco S.A.	Guatemala	502 442 3277	Perfetto	Poland	48 61 8 208 416
ForGarder OU	Estonia	372 384 6060	Pratoverde SRL.	Italy	39 049 9128 128
G.Y.K. Company Ltd.	Japan	81 726 325 861	Prochaska & Cie	Austria	43 1 278 5100
Geomechaniki of Athens	Greece	30 10 935 0054	RT Cohen 2004 Ltd.	Israel	972 986 17979
Golf international Turizm	Turkey	90 216 336 5993	Riversa	Spain	34 9 52 83 7500
Guandong Golden Star	China	86 20 876 51338	Lely Turfcare	Denmark	45 66 109 200
Hako Ground and Garden	Sweden	46 35 10 0000	Solvert S.A.S.	France	33 1 30 81 77 00
Hako Ground and Garden	Norway	47 22 90 7760	Spypros Stavrinides Limited	Cyprus	357 22 434131
Hayter Limited (U.K.)	United Kingdom	44 1279 723 444	Surge Systems India Limited	India	91 1 292299901
Hydroturf Int. Co Dubai	United Arab Emirates	97 14 347 9479	T-Markt Logistics Ltd.	Hungary	36 26 525 500
Hydroturf Egypt LLC	Egypt	202 519 4308	Toro Australia	Australia	61 3 9580 7355
Irrimac	Portugal	351 21 238 8260	Toro Europe NV	Belgium	32 14 562 960
Irrigation Products Int'l Pvt Ltd.	India	0091 44 2449 4387	Valtech	Morocco	212 5 3766 3636
Jean Heybroek b.v.	Netherlands	31 30 639 4611	Victus Emak	Poland	48 61 823 8369

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.

Toro General Commercial Product 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.

374-0253 Rev C