



EU Compliance Kit

2015 and After Multi-Pro 5800 Turf Sprayer

Model No. 41608—Serial No. 315000001 and Up

Installation Instructions

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 1), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



Figure 1

1. Safety alert symbol

This manual uses 2 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*.

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 a single chemical used and information on each chemical 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 that 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.

- 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.

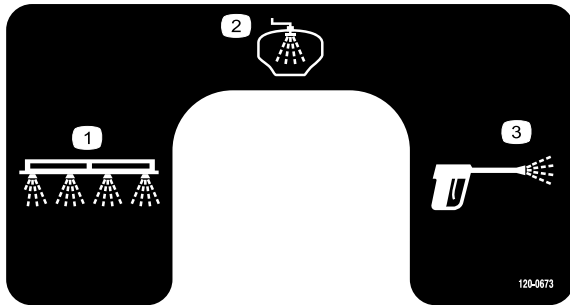
Hand Sprayer Safety

- 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.

Safety and Instructional Decals

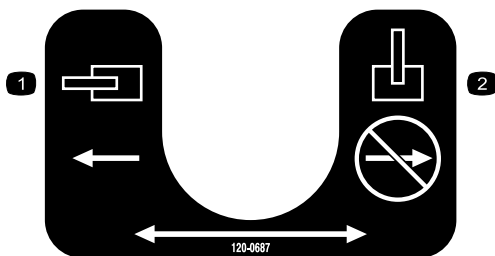


Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.




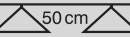

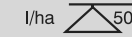
120-0673

- 1. Boom spray
- 2. Rinse tank
- 3. Hand spray



120-0687

- 1. Valve—open
- 2. Valve—closed

DÜSENTYP ENTSPRECHEND DER FARBE	 bar	DURCH- FLUSS- MENENGE ENERGIE DUSE IN l/min								l/ha 	DÜSENTYP ENTSPRECHEND DER FARBE	 bar	DURCH- FLUSS- MENENGE ENERGIE DUSE IN l/min								l/ha 
		4 km/h	5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	4 km/h				5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h			
XR8001 XR11001 (100)	1,0	0,23	69,0	55,2	46,0	39,4	34,5	27,6	23,0	XR8005 XR11005 (50)	1,0	1,14	342	274	228	195	171	137	114		
	1,5	0,28	84,0	67,2	56,0	48,0	42,0	33,6	28,0		1,5	1,39	417	334	278	238	209	167	139		
	2,0	0,32	96,0	76,8	64,0	54,9	48,0	38,4	32,0		2,0	1,61	483	386	322	276	242	193	161		
	2,5	0,36	108	86,4	72,0	61,7	54,0	43,2	36,0		2,5	1,80	540	432	360	309	270	216	180		
	3,0	0,39	117	93,6	78,0	66,9	58,5	46,8	39,0		3,0	1,97	591	473	394	338	296	236	197		
XR80015 XR110015 (100)	4,0	0,45	135	108	90,0	77,1	67,5	54,0	45,0	XR8006 XR11006 (50)	4,0	2,27	681	545	454	389	341	272	227		
	1,0	0,34	102	81,6	68,0	58,3	51,0	40,8	34,0		1,0	1,37	411	329	274	235	206	164	137		
	1,5	0,42	126	101	84,0	72,0	63,0	50,4	42,0		1,5	1,68	504	403	336	288	252	202	168		
	2,0	0,48	144	115	96,0	82,3	72,0	57,6	48,0		2,0	1,94	582	466	388	333	291	233	194		
	2,5	0,54	162	130	108	92,6	81,0	64,8	54,0		2,5	2,16	648	518	432	370	324	259	216		
XR8002 XR11002 (50)	3,0	0,59	177	142	118	101	88,5	70,8	59,0	3,0	2,37	711	569	474	406	356	284	237			
	4,0	0,68	204	163	136	117	102	81,6	68,0	4,0	2,74	822	658	548	470	411	329	274			
	1,0	0,46	138	110	92,0	78,9	69,0	55,2	46,0	1,0	1,62	546	437	364	312	273	218	182			
	1,5	0,56	168	134	112	96,0	84,0	67,2	56,0	1,5	2,23	689	535	446	382	335	288	223			
	2,0	0,65	195	156	130	111	97,5	78,0	65,0	2,0	2,58	774	619	516	442	387	310	258			
XR110025 (50)	2,5	0,72	216	173	144	123	108	86,4	72,0	2,5	2,88	864	691	576	494	432	346	288			
	3,0	0,79	237	190	158	135	119	94,8	79,0	3,0	3,16	948	758	632	542	474	379	316			
	4,0	0,91	273	218	182	156	137	109	91,0	4,0	3,65	1095	876	730	626	548	438	365			
	1,0	0,57	171	137	114	97,7	85,5	68,4	57,0	1,0	2,28	684	547	456	391	342	274	228			
	1,5	0,70	210	168	140	120	105	84,0	70,0	1,5	2,79	837	670	558	478	419	335	279			
XR8003 XR11003 (50)	2,0	0,81	243	194	162	139	122	97,2	81,0	2,0	3,23	969	775	646	554	485	388	323			
	2,5	0,90	270	216	180	154	135	108	90,0	2,5	3,61	1083	866	722	619	542	433	361			
	3,0	0,99	297	238	198	170	149	119	99,0	3,0	3,95	1185	948	790	677	593	474	395			
	4,0	1,14	342	274	228	195	171	137	114	4,0	4,56	1368	1094	912	782	684	547	456			
	1,0	0,68	204	163	136	117	102	81,6	68,0	1,0	3,42	1026	821	684	586	513	410	342			
XR8004 XR11004 (50)	1,5	0,83	249	199	166	142	125	99,6	83,0	1,5	4,19	1257	1006	838	718	629	503	419			
	2,0	0,96	288	230	192	165	144	115	96,0	2,0	4,83	1449	1159	966	828	725	580	483			
	3,0	1,18	354	283	236	202	177	142	118	2,5	5,40	1620	1296	1080	926	810	648	540			
	4,0	1,36	408	326	272	233	204	163	136	3,0	5,92	1776	1421	1184	1015	888	710	592			
	1,0	0,91	273	218	182	156	137	109	91,0	4,0	6,84	2052	1642	1368	1173	1026	821	684			

Hinweis: Die Ausbringmengen immer einer Gegenprüfung unterziehen.
Nützliche Gleichungen und Informationen sind auf Seite 153-157 zu finden.
† Nur in Volledelstahlausführung lieferbar.

120-0723

120-0723

Installation

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	Rinse tank Bulkhead fitting Fly nut 90° barbed fitting	1 1 1 1	Install the bulkhead fitting on the rinse tank.
3	Rinse-tank strap Bolt (3/8 x 2 inches) Washer Locknut (3/8 inch) Carriage bolt	2 2 4 2 1	Install the rinse tank.
4	Rinse-nozzle assembly Bulkhead fitting	2 2	Install the rinse nozzle.
5	Rinse pump Straight barbed fittings	1 2	Install the rinse pump.
6	4-way valve Straight, barbed fitting (1 inch NPT x 3/4 inch HB) 90° barbed fitting Reducer fitting Faceplate bracket Valve-mount assembly Bolt (6 mm) Flat washer (6 mm) Locknut (6 mm) Flat washer (3/8 inch) Flange nut (3/8 inch) Decal 120-0673	1 1 2 1 1 1 4 4 4 2 2 1	Assemble and mount the 4-way valve.
7	Hose (24 inches) Hose clamp Rinse-pump filter Tee fitting	3 15 1 1	Install the hoses and the rinse-pump filter.
8	Delay timer Fuse, 40-amp Dashboard switch	1 1 1	Install the delay timer and dashboard switch.
9	Ball valve Barbed fitting (1–1/4 inch NPT x 3/4 inch HB) Valve-mounting bracket Hex-head bolt (1/4 x 3/4 inch) Hex-head bolt (5/16 x 1 inch) Flange nut (5/16 inch)	1 2 1 2 2 2	Install the ball valve and mounting assembly.

Procedure	Description	Qty.	Use
10	S67 connector	3	Install the tee assembly.
	90° barbed fitting	1	
	Tee	1	
	Reducer fitting	1	
	S53 Fork pin	1	
11	Pressure hose (36 inches, 3/4 inch ID)	1	Install the hose between the ball valve and the 4-way valve.
	Hose clamp	2	
12	Boom hose (44 inches, 3/4 inch ID)	1	Install the hose between the filter assembly and the ball valve.
	Hose clamp	2	
13	Hose hook	2	Install the hose hooks and the spray-gun bracket.
	Washer (3/8 inch)	2	
	Locknut (5/16 inch)	2	
	Carriage bolt	2	
	Spray-gun bracket	1	
14	Hose assembly (15 inches, 1 inch ID)	1	Install the main-supply-hose assembly.
	Hose clamp	2	
15	Long hose (25 feet, 1/2 inch ID) with fitting	1	Connect the spray hose and gun.
	Spray gun	1	
	Small hose clamp	1	
16	Rinse-nozzle hose (28-1/2 inches, 3/4 inch ID)	1	Install the hose from the 4-way valve to the sprinkler tee.
	Hose clamp	2	
17	No parts required	–	Apply the decal.

Note: Use Teflon tape to wrap the fitting threads before you assemble the fittings. Wrap the threads from left to right, starting at the base and travelling to the tip of the fitting (looking down the axis of the fitting, the tape should be wrapped clockwise from back to front).

Important: To install this kit more easily, apply a light coat of a non-petroleum-based lubricant, such as vegetable oil, on the barbed end of the barbed fittings.

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 when disconnecting any hoses, 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 Bulkhead Fitting on the Rinse Tank

Parts needed for this procedure:

1	Rinse tank
1	Bulkhead fitting
1	Fly nut
1	90° barbed fitting

Procedure

1. Attach a wire, longer than the tank is tall, to 1 of the retaining fork holes in the bulkhead fitting ([Figure 2](#)).

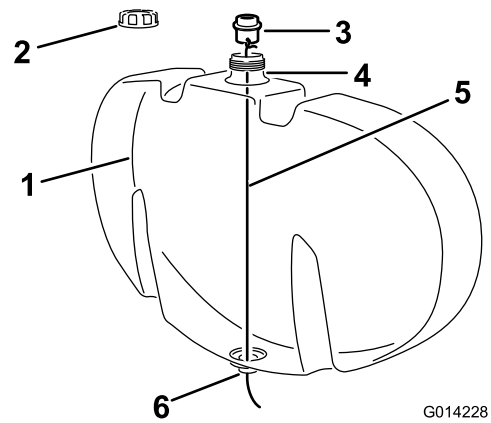


Figure 2

G014228

- | | |
|---------------------|-------------------------------------|
| 1. Rinse tank | 4. Filler opening of the rinse tank |
| 2. Filler cap | 5. Wire |
| 3. Bulkhead fitting | 6. Bottom hole of the rinse tank |

2. Remove the filler cap from the rinse tank ([Figure 2](#)).
3. Lower the wire through the opening in the tank-fill hole and route it through the open hole in the bottom of the tank ([Figure 2](#)).

Note: Use the wire to guide the bulkhead fitting to the open hole in the bottom of the rinse tank ([Figure 3](#)).

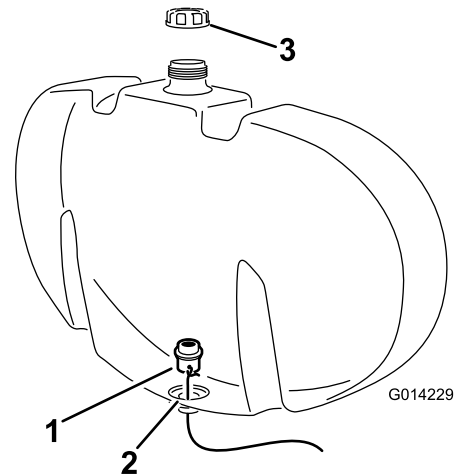


Figure 3

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- | | |
|--|---------------|
| 1. Bulkhead fitting (with wire attached) | 3. Filler cap |
| 2. Bottom hole of the rinse tank | |

4. Move the bulkhead fitting into position, ensuring that the O-ring seats against the interior wall of the rinse tank ([Figure 3](#)).
5. Secure the bulkhead fitting to the rinse tank with a plastic fly nut ([Figure 4](#)).

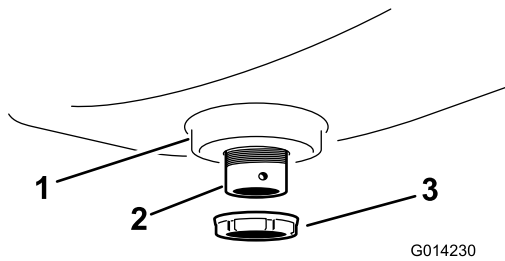


Figure 4

1. Rinse-tank sump
2. Bulkhead fitting (installed)
3. Fly nut

6. Install a 90° barbed fitting to the bulkhead fitting and secure it with a fork pin (Figure 5).

Note: Rotate the fitting so that it faces rearward.

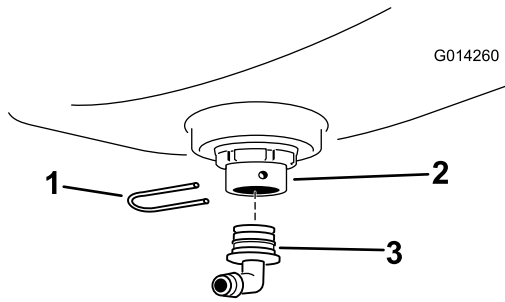


Figure 5

1. Fork pin
2. Bulkhead fitting
3. 90° barbed fitting

3

Installing the Rinse Tank

Parts needed for this procedure:

2	Rinse-tank strap
2	Bolt (3/8 x 2 inches)
4	Washer
2	Locknut (3/8 inch)
1	Carriage bolt

Preparing the Tank

1. Loosen the bolts that secure the valve-mounting rail to the frame (Figure 6).

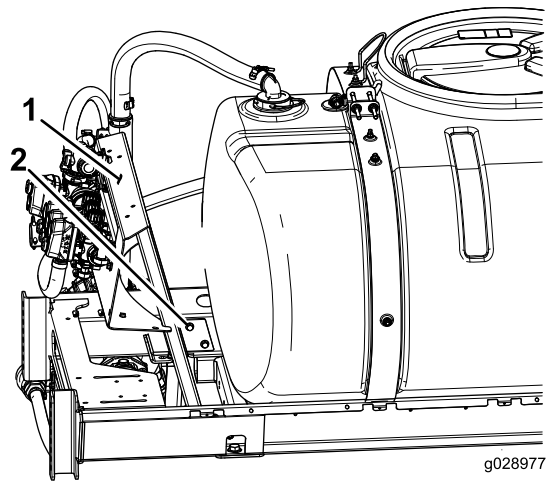


Figure 6

1. Valve-mounting rail
2. Bolt (4)

2. Move the valve-mounting rail rearward.

Note: This allows space for you to install the rinse tank.

3. Tighten the bolts on the valve-mounting rail.

Note: Torque the bolts to 40 N-m (30 ft-lb).

4. Disconnect the supply hose at the rear and top of the main tank (Figure 7).

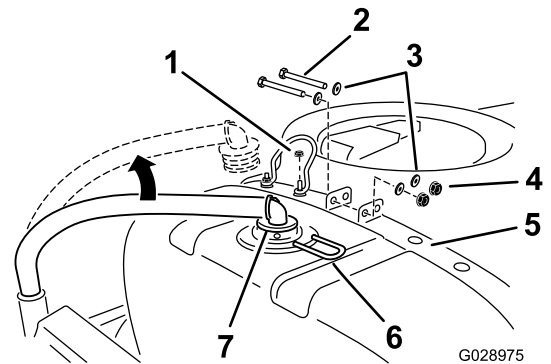


Figure 7

1. Locknut
2. Bolt
3. Washer
4. Locknut
5. Rear, right tank strap
6. Fork pin
7. Supply hose

5. Remove the fork pin that secures the fitting and then remove the hose (Figure 7).

Note: Retain all the parts.

6. At the rear strap, remove the fasteners that secure the strap at the top of the tank.

Note: Retain all the fasteners.

7. Remove the inboard locknut that secures the tank-lid stop to the rear, left strap (Figure 7).

Note: Discard the fasteners.

- Install the hardware for the rinse-tank straps.

Note: Ensure that there are studs on the rear, left tank strap and on the rear, right tank strap. If there are no studs present, install a carriage bolt through each of the inboard holes (threaded section upward) on both tank straps (Figure 8).

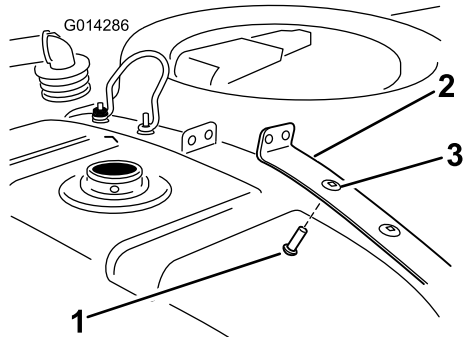


Figure 8

- | | |
|----------------------|-----------------|
| 1. Carriage bolt | 3. Inboard hole |
| 2. Rear, right strap | |

Note: The carriage bolt on the rear, left tank strap should pass through the open loop of the tank-lid stop.

- Install the tank-strap fasteners that you removed previously to secure the straps to the tank.

Note: Ensure that the straps are secured to the tank. Do not overtighten the tank strap fasteners.

- Install the rinse-tank straps onto the rear tank straps with the hardware that you removed previously (Figure 9).

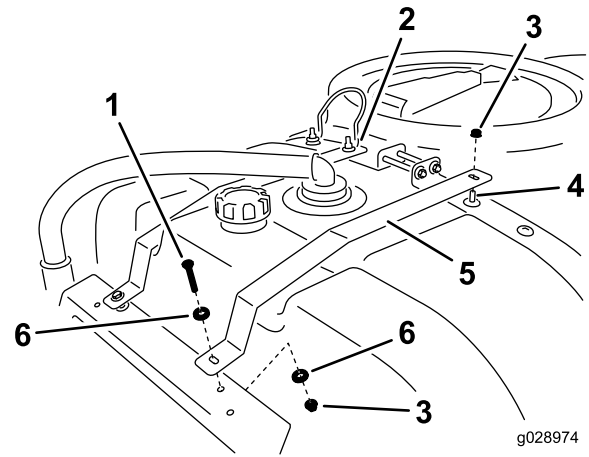


Figure 10

- | | |
|--------------------------|---------------------------|
| 1. Bolt (2) | 4. Carriage bolt |
| 2. Left rinse-tank strap | 5. Right rinse-tank strap |
| 3. Locknut | 6. Washer |

- Secure the straps to the rear tank straps with 2 locknuts.
- Secure the rinse tank straps to the mounting rail using 2 bolts, 4 washers, and 2 locknuts.
- Carefully tighten the fasteners.

Note: The rinse tank must be seated and secure, but the straps should not deform or warp the tank.

Note: The rinse-tank straps are not designed to contact the valve-support frame. There should be a 2.5 to 5.1 cm (1 to 2 inch) clearance between the strap and the frame.

Note: Install the tank-lid-stop over the left rinse-tank strap and the main tank strap; then secure the wire tank lid stop with the locknut.

- Replace the supply hose at the rear of the tank, and secure it with the fork pin that you removed previously.

Note: After you have initially filled the rinse tank, check the fasteners for the rinse-tank strap and tighten them, if necessary, as the weight of the liquid can further seat the tank against the frame.

Installing the Rinse Tank

- Insert the rinse tank as shown in Figure 9.

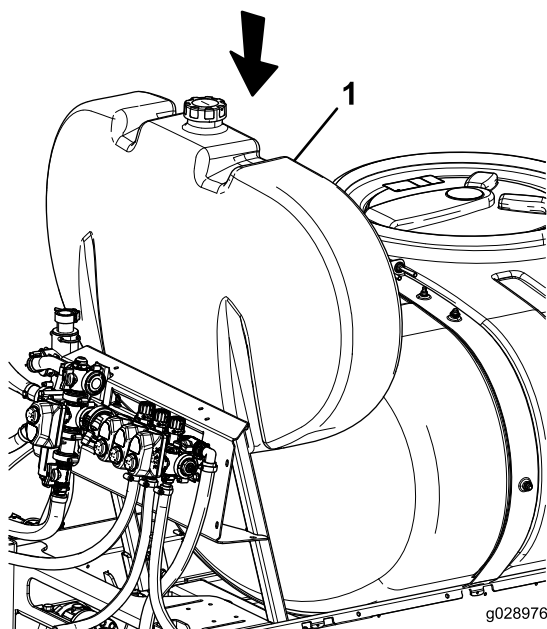


Figure 9

- | |
|---------------|
| 1. Rinse tank |
|---------------|

4

Installing the Rinse Nozzles

Parts needed for this procedure:

2	Rinse-nozzle assembly
2	Bulkhead fitting

Drilling into the Main Tank

1. Open the tank lid and remove the strainer basket.
2. Locate the 2 drill marks in the main tank (Figure 11).

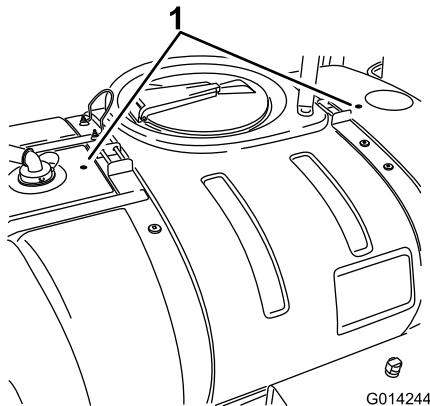


Figure 11

1. Drill marks

3. Go to the drill mark behind the tank lid.

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 the tank could clog and damage the spray system during operation.

4. Use a 4.5 cm (1-3/4 inch) hole saw to drill a hole at the drill mark (Figure 12).

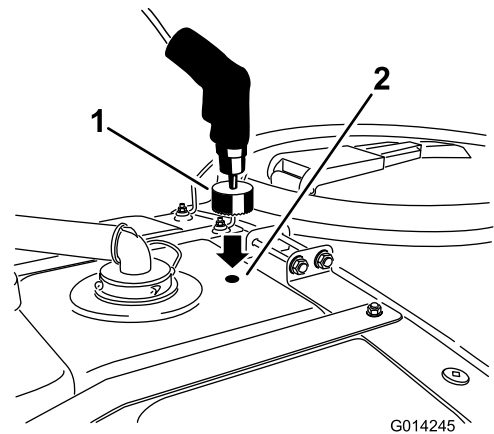


Figure 12

1. Hole saw
2. Drill mark (behind the lid)

5. After drilling the hole, remove any rough edges in the cut.
6. Remove any debris that entered the main tank during the cutting process.
7. Go to the drill mark in front of the tank lid and repeat steps 4 through 6 for the forward hole (Figure 13).

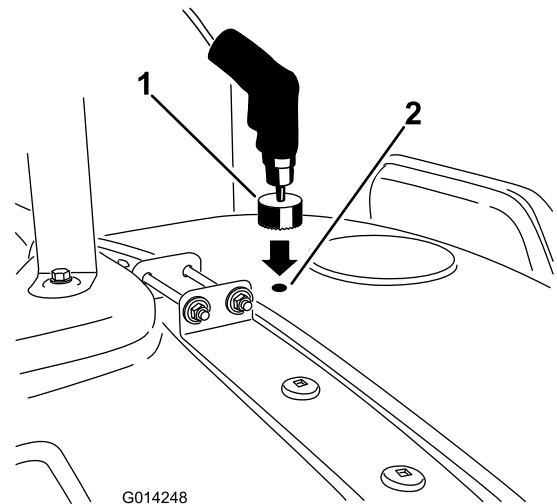


Figure 13

1. Hole saw
2. Drill mark (in front of the lid)

Installing the Rinse Nozzles

1. Install the rinse nozzle assembly to the bulkhead fitting (Figure 14).

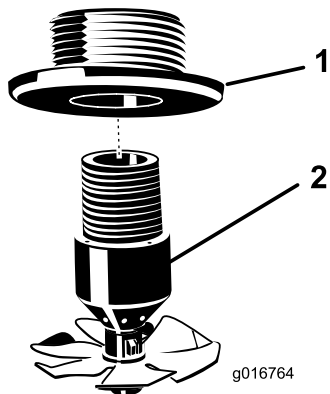


Figure 14

1. Bulkhead fitting
2. Rinse-nozzle assembly

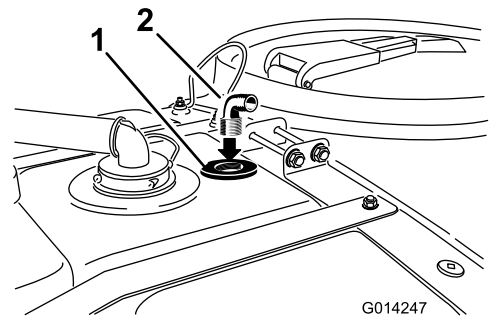


Figure 16

1. Bulkhead-fitting
2. 90° fitting

2. Install a nozzle assembly up through the drilled hole (Figure 15).

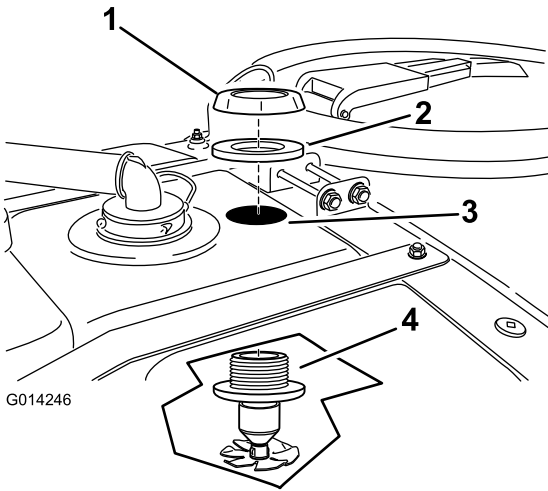


Figure 15

1. Bulkhead-fitting nut
2. Bulkhead-fitting gasket
3. Hole (previously drilled)
4. Rinse-nozzle assembly

3. Install the bulkhead fitting over the exposed threads of the rinse-nozzle assembly (Figure 15).

Note: Ensure that the seal is seated correctly between the bulkhead fitting and the tank surface.

4. Install the 90° fitting into the threaded opening of the bulkhead fitting (Figure 16).

Note: Direct the hose barb to the right side of the machine.

5. Move to the forward hole in the tank.
6. Install a nozzle assembly up through the drilled hole (Figure 17).

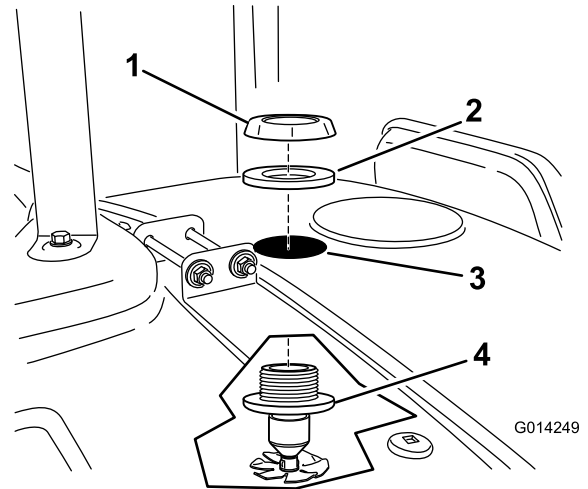


Figure 17

1. Bulkhead-fitting nut
2. Bulkhead-fitting gasket
3. Hole (previously drilled)
4. Rinse-nozzle assembly

7. Install the bulkhead-fitting gasket and nut over the exposed threads of the rinse-nozzle assembly (Figure 17).

Note: Ensure that the seal is seated correctly between the bulkhead fitting and the tank surface.

8. Install the 90° fitting into the threaded opening of the bulkhead fitting (Figure 18).

Note: Direct the barbed fitting to the right side of the machine.

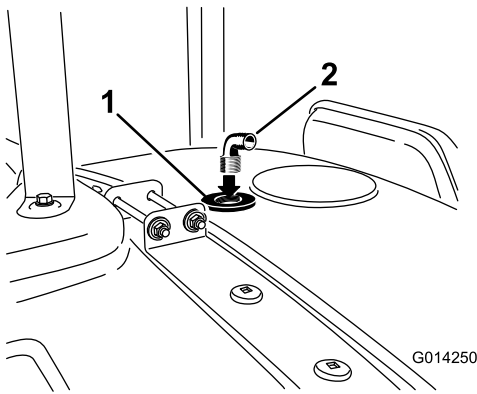


Figure 18

1. Bulkhead fitting
2. 90° fitting

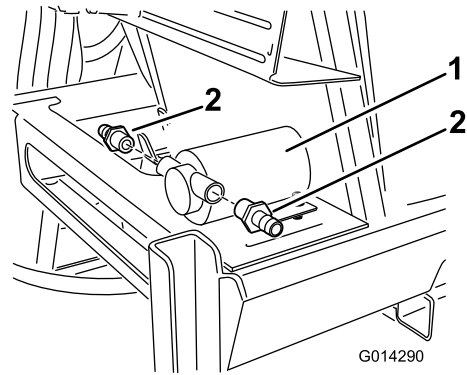


Figure 20

1. Rinse pump
2. Straight, barbed connector

5

Installing the Rinse Pump

Parts needed for this procedure:

1	Rinse pump
2	Straight barbed fittings

Procedure

1. Secure the rinse pump to the tank frame on the platform at the rear, right side of the main tank with 4 bolts, 4 washers, and 4 locknuts (Figure 19).

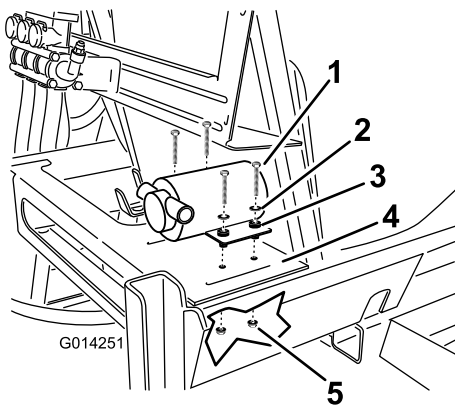


Figure 19

1. Bolt (4)
2. Washer (4)
3. Rinse pump
4. Tank frame
5. Locknut (4)

2. Install a straight, barbed connector to the rinse pump inlet and outlet openings (Figure 20).

6

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 HB)
2	90° barbed fitting
1	Reducer fitting
1	Faceplate bracket
1	Valve-mount assembly
4	Bolt (6 mm)
4	Flat washer (6 mm)
4	Locknut (6 mm)
2	Flat washer (3/8 inch)
2	Flange nut (3/8 inch)
1	Decal 120-0673

Procedure

1. If there are no barbed fittings connected to the 4-way valve, install them as shown in Figure 21.

Note: The orientation of the fittings is important. Position the fittings as shown in Figure 21.

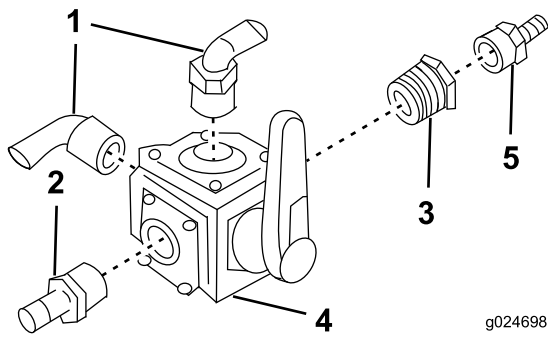


Figure 21

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

2. Insert 4 bolts and 4 washers into the slots of the 4-way valve (Figure 21).

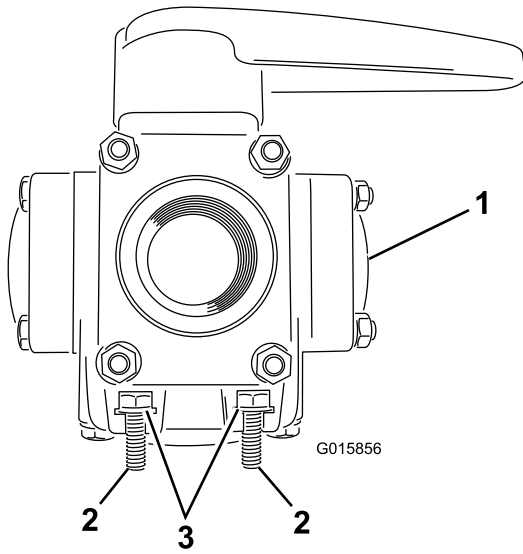
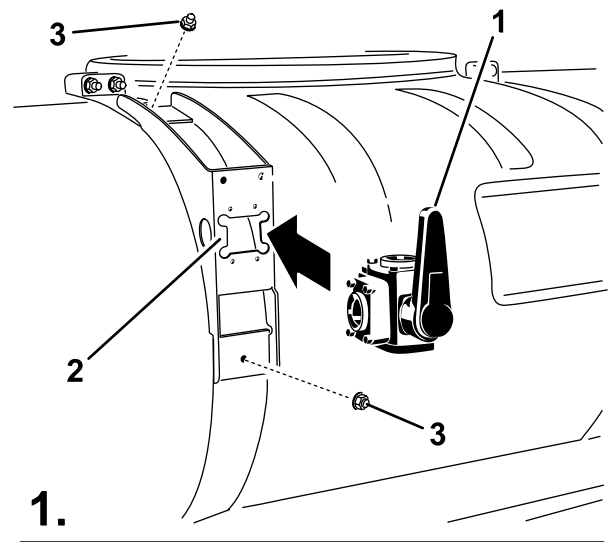


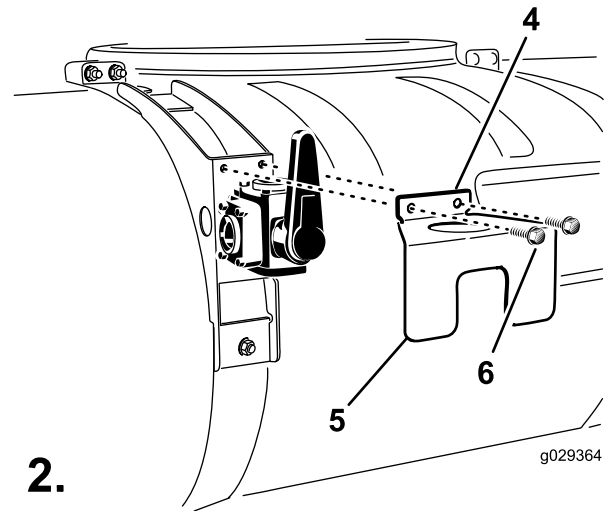
Figure 22

- | | |
|----------------|----------------|
| 1. 4-way valve | 3. Washers (4) |
| 2. Bolt (4) | |

3. Remove the 2 locknuts from the carriage-bolt ends on the rear, right tank strap (Figure 23).



1.



2.

Figure 23

The fittings are not shown on the valve.

- | | |
|-------------------------|----------------------|
| 1. 4-way valve | 4. Faceplate bracket |
| 2. Valve-mount assembly | 5. Decal 120-0673 |
| 3. Locknut | 6. Flange bolt |

4. Install the valve-mount assembly to the rear, right tank strap with the locknuts that you removed in the previous step (Figure 23).
5. Install the 4-way valve to the valve-mount assembly with 4 locknuts (6 mm) as shown in Figure 23.
6. Install the selection decal 120-0673 on the faceplate bracket (Figure 23).
7. Install the faceplate bracket onto the valve-mount assembly with 2 flange bolts and 2 flange nuts (Figure 23).
8. Install the valve-mount assembly onto the rear, right tank-strap studs with 2 washers and 2 nuts (Figure 23).

7

Installing the Hoses and Rinse-Pump Filter

Parts needed for this procedure:

3	Hose (24 inches)
15	Hose clamp
1	Rinse-pump filter
1	Tee fitting

Installing the Rinse Nozzle Hoses

- Slip a hose clamp on 1 end of each of 2 hoses (24 inches) as shown in [Figure 24](#).

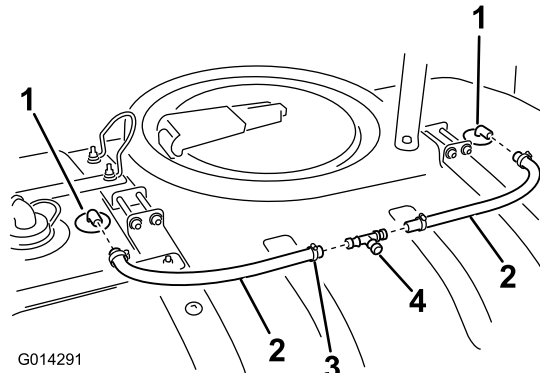


Figure 24

- Rinse-nozzle barbed fitting
- Rinse-nozzle hose
- Hose clamp
- Tee

- Clamp 1 end of each of the hoses onto a rinse-nozzle barbed fitting ([Figure 23](#)).

Installing the Tee Fitting

- Slip a hose clamp over the open end of each of the rinse-nozzle hoses.
- Install the 2 inline ends of the tee fitting to the open ends of the rinse-nozzle hoses installed previously as shown in [Figure 24](#).
- Clamp the hose ends onto the tee fittings.

Installing the Supply Hose

- Measure 18 cm (7 inches) from the end of the hose (44 inches).
- Cut the hose at that mark.
- Slip a hose clamp over 1 end of the longer hose.
- Clamp the hose end onto the rear 90° barbed fitting on the 4-way valve ([Figure 25](#)).

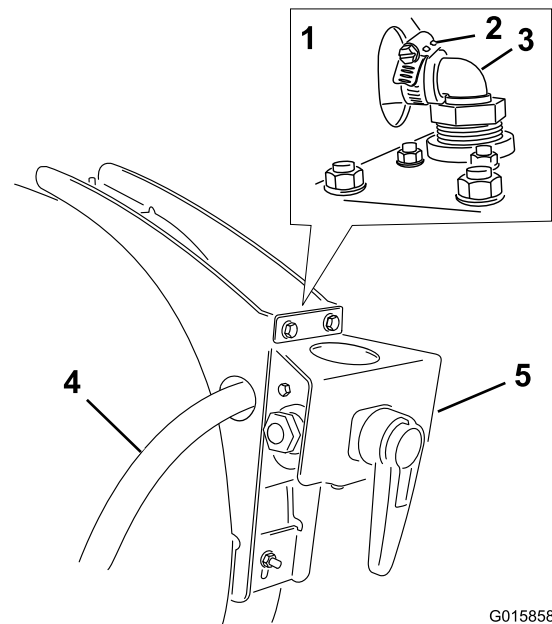


Figure 25

- Top view
- Hose clamp
- 90° barbed fitting
- Supply hose
- 4-way valve and faceplate bracket

- Slip a hose clamp over 1 end of the short hose.
- Clamp the end of the short hose onto the straight, barbed fitting coming from the rinse pump.

Installing the Filter Assembly

- Slip a hose clamp over the open ends of the supply and pressure hoses.
- Install the rinse-pump filter inline to the open ends of the hoses coming from the rinse pump and to the rinse nozzles ([Figure 25](#)).

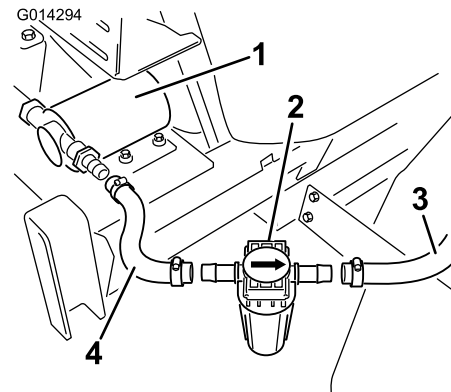


Figure 26

- Pump
- Filter assembly
- Pressure hose
- Rinse-supply hose

Note: Use the directional arrow on the filter assembly to install the filter assembly correctly.

3. Clamp the ends of the supply and rinse hoses onto the barbed fittings of the filter assembly.

Installing the Rinse Tank Hose

1. Slip a hose clamp over each end of the remaining hose (24 inches).
2. Install 1 end of the hose to the 90° fitting at the bottom of the rinse tank (Figure 27).

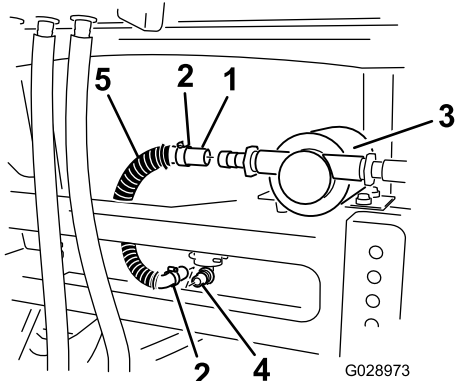


Figure 27

- | | |
|---------------|---------------------|
| 1. Hose end | 4. 90° fitting |
| 2. Hose clamp | 5. Hose (24 inches) |
| 3. Rinse pump | |

3. Clamp the hose end onto the 90° fitting.
4. Install the other end of the hose over the straight, barbed fitting going to the pump.
5. Clamp the hose end onto the barbed fitting.
6. Install the rinse-pump cover over the pump (Figure 28).

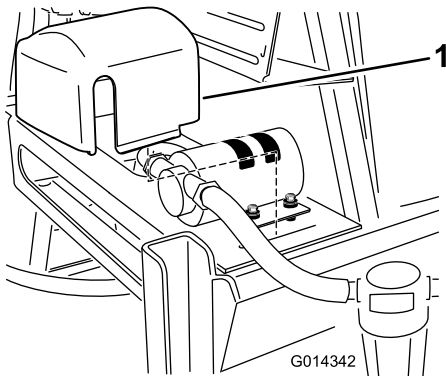


Figure 28

1. Rinse-pump cover

8

Installing the Delay Timer and Dashboard Switch

Parts needed for this procedure:

1	Delay timer
1	Fuse, 40-amp
1	Dashboard switch

Installing the Delay Timer

1. Raise the operator's seat to access the electronic components under the seat.
2. Install the delay timer in the location shown in Figure 28.

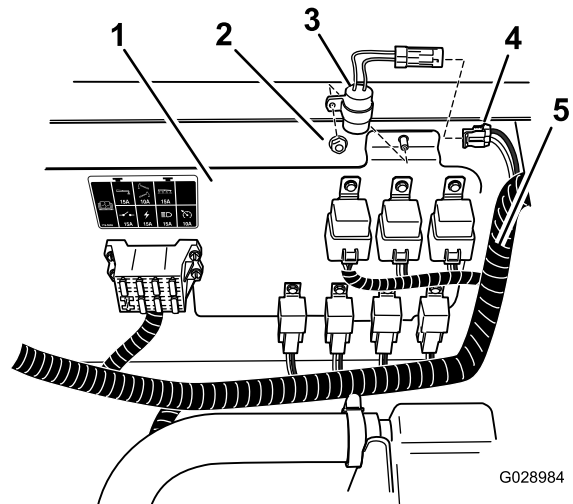


Figure 29

- | | |
|---|------------------------|
| 1. Electrical panel | 5. Main wiring harness |
| 2. Locknut | 6. Fuse block |
| 3. Delay timer | 7. 40-amp fuse |
| 4. Delay timer connector on the main wiring harness | |

3. Locate the connector on the main wiring harness labeled Delay Timer.
4. Connect the delay timer to the main wiring harness at this location (Figure 29).
5. Install a 40-amp fuse to the open slot in the fuse block as shown in Figure 29.

Note: If there already is a lower amperage fuse in the slot, remove it and replace it with the 40-amp fuse.

Installing the Dashboard Switch

1. Locate the plug for the rinse tank switch on the dashboard (Figure 30).

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

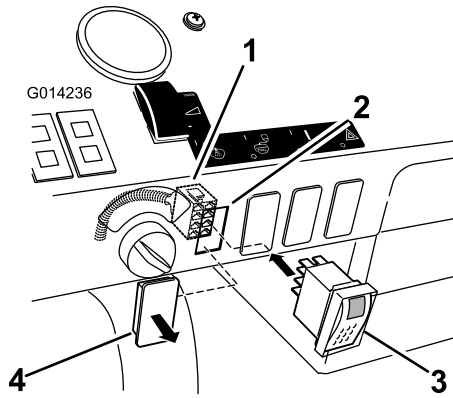


Figure 30

- | | |
|--|---------------------|
| 1. Connector for rinse tank (from the main wiring harness) | 3. Dashboard switch |
| 2. Hole in dashboard | 4. Plug |

2. Remove the plug from the dashboard (Figure 30).
3. From below the dashboard, locate the box connector labeled Rinse Tank in the main wiring harness.
4. Remove the plastic tie that secures the box connector and route it toward the open hole in the dashboard.
5. Install the switch to the box connector through the dashboard (Figure 30).
6. Push the switch into the dashboard to mount the switch.

9

Installing the Ball Valve and Mounting Assembly

Parts needed for this procedure:

1	Ball valve
2	Barbed fitting (1-1/4 inch NPT x 3/4 inch HB)
1	Valve-mounting bracket
2	Hex-head bolt (1/4 x 3/4 inch)
2	Hex-head bolt (5/16 x 1 inch)
2	Flange nut (5/16 inch)

Procedure

1. Install the 2 barbed fittings (1-1/4 inch NPT x 3/4 inch HB) onto the ball valve.

2. If there are not 2 holes in the top of the valve-mounting rail to mount the valve-mounting bracket (Figure 31), do the following steps:

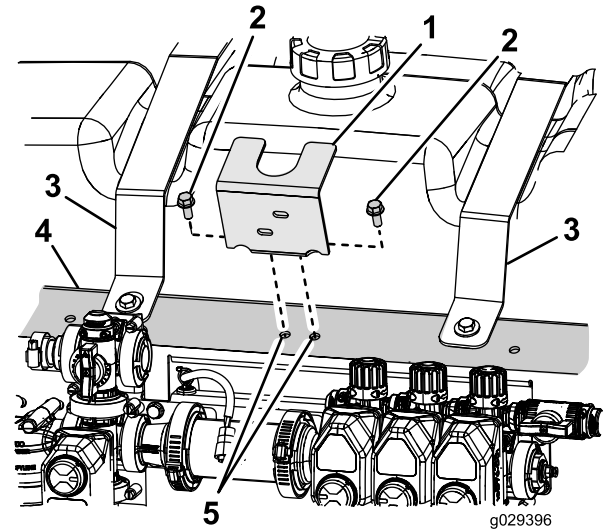


Figure 31

Flange nuts (5/16 inch) are not shown

- | | |
|----------------------------------|-----------------------------|
| 1. Valve-mounting bracket | 4. Valve-mounting rail |
| 2. Hex-head bolt (5/16 x 1 inch) | 5. Drill holes (8 mm here.) |
| 3. Rinse-tank strap | |

- A. Position the valve-mounting bracket on the top of the valve-mounting rail at the midpoint between the 2 rinse-tank straps (Figure 31).
 - B. Mark the location of the holes in the valve-mounting bracket on the top of the valve-mounting rail.
 - C. Drill 2 holes (8 mm) in the valve-mounting rail at the marked locations.
3. Install the valve-mounting bracket to the valve-mounting rail with 2 hex-head bolts (5/16 x 1 inch) and 2 flange nuts (5/16 inch) as shown in Figure 32.
 4. Secure the ball valve to the valve-mounting bracket with 2 hex-head bolts (5/16 x 3/4 inch) as shown in Figure 32.

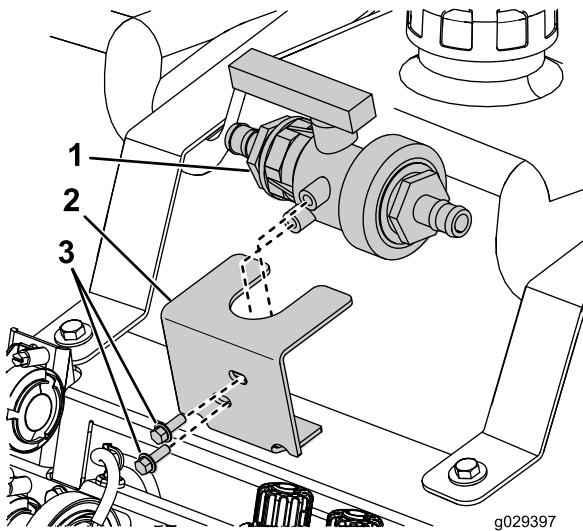


Figure 32

- 1. Ball valve
- 2. Valve-mounting bracket
- 3. Bolts (5/16 x 3/4 inch)

10

Installing the Tee Assembly

Parts needed for this procedure:

3	S67 connector
1	90° barbed fitting
1	Tee
1	Reducer fitting
1	S53 Fork pin

Procedure

1. Remove the main supply hose from the tee and the agitation valve (Figure 31).

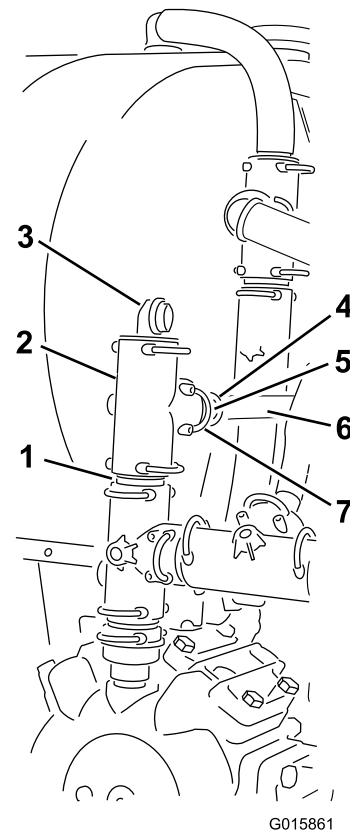


Figure 33

- 1. S67 connector
- 2. Tee (from loose parts)
- 3. 90° barbed fitting
- 4. S67 fork pin
- 5. S53 fork pin
- 6. Straight, barbed fitting
- 7. Reducer fitting

2. Install the S67 connector into the top of the open tee and secure it with a fork pin (Figure 33).
 3. Install the tee onto the S67 connector and secure it with a S67 fork pin.
 4. Install a 90° barbed fitting on the top leg of the tee (Figure 33) and secure it with a S67 fork pin.
- Note:** Orient the nozzle rearward (Figure 33).
5. Install a S67 to S53 reducer into the side of the tee, and secure the reducer with a S67 fork pin (Figure 33).
 6. Install a S53 straight barbed fitting into the reducer with an S53 fork pin (Figure 33).

11

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

Parts needed for this procedure:

1	Pressure hose (36 inches, 3/4 inch ID)
2	Hose clamp

Procedure

1. Slip a hose clamp over one end of the hose (36 inches, 3/4 inch ID).
2. Install the hose end over the open right barbed fitting on the ball valve.
3. Clamp the hose end onto the barbed fitting.
4. Slip a hose clamp over the other end of the hose.
5. Install the hose end over the left barbed fitting on the 4-way valve.
6. Clamp the hose end onto the barbed fitting.

12

Installing the Hose between the Filter Assembly and the Ball Valve

Parts needed for this procedure:

1	Boom hose (44 inches, 3/4 inch ID)
2	Hose clamp

Procedure

1. Slip a hose clamp over 1 end of the hose (44 inches, 3/4 inch ID).
2. Install the hose end over the open barbed fitting on the side leg of the barbed fitting on the tee assembly.
3. Clamp the hose end onto the barbed fitting.
4. Slip a hose clamp over the other end of the hose.
5. Install the hose end over the left (open) barbed fitting on the ball valve.
6. Clamp the hose end onto the barbed fitting.

13

Installing the Hose Hooks and the Spray-Gun Bracket

Parts needed for this procedure:

2	Hose hook
2	Washer (3/8 inch)
2	Locknut (5/16 inch)
2	Carriage bolt
1	Spray-gun bracket

Procedure

Note: Perform this procedure only If the bolts are not installed on the front tank strap.

1. Loosen the front tank strap on the right side.
2. Install the upper hose hook using a carriage bolt (5/16 x 3/4 inch), a washer (3/8 inch), and a locknut (5/16 inch).
3. Install the lower hose hook using a carriage bolt (5/16 x 3/4 inch), a washer (3/8 inch), and a locknut (5/16 inch).
4. Assemble the 2 R-clamps onto the spray-gun bracket with 2 carriage bolts and 2 locknuts.
5. Install the spray-gun bracket onto the carriage bolt with a washer and a locknut (5/16 inch) as shown in [Figure 34](#).

Note: Refer to [Figure 34](#) for the correct position of the R-clamps.

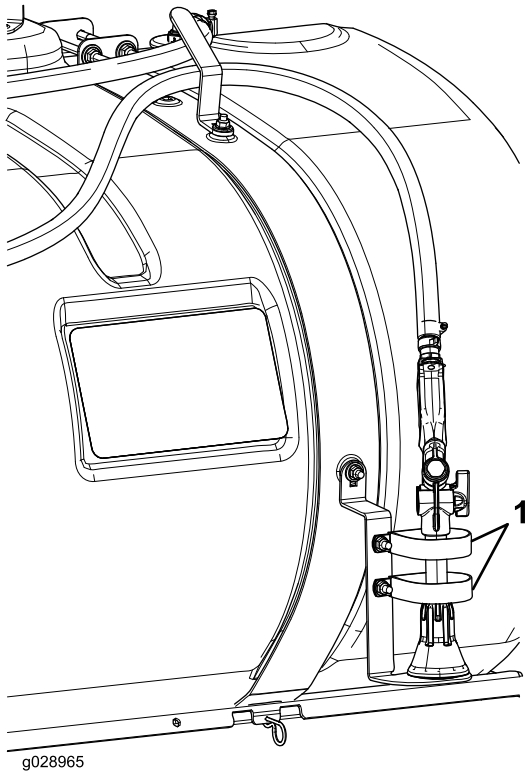


Figure 34

1. R-clamps

15

Connecting the Spray Hose and Gun

Parts needed for this procedure:

1	Long hose (25 feet, 1/2 inch ID) with fitting
1	Spray gun
1	Small hose clamp

Procedure

1. Slip a hose clamp over 1 end of the long hose.
2. Install the hose end over the right barbed fitting on the 4-way valve, and clamp the hose end onto the fitting.
3. Slip the small hose clamp over the other end of the hose.
4. Connect the end of the hose to the fitting on the spray gun (Figure 35), and secure the hose end with the small clamp.

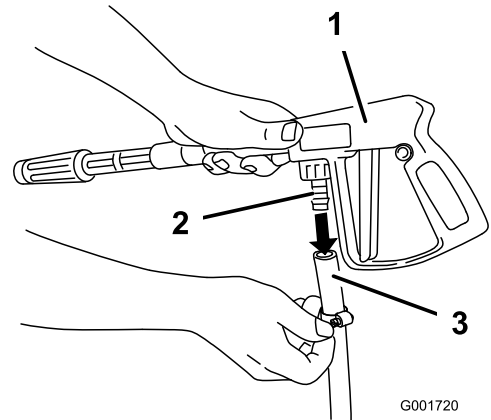


Figure 35

1. Spray gun
2. Fitting
3. Spray hose

14

Installing the Main-Supply-Hose Assembly

Parts needed for this procedure:

1	Hose assembly (15 inches, 1 inch ID)
2	Hose clamp

Procedure

1. Slide the end of the hose (23.5 inches, 1 inch ID) onto an open 90° barbed fitting on top of the tee assembly and secure it with a hose clamp.
2. Slide a hose clamp over the other hose end, route it around the pressure filter, and install it onto the open barbed fitting on the pressure filter.
3. Clamp the hose end to the fitting on the pressure filter with a hose clamp.

5. Wrap the hose around the hooks of the tank and secure the gun in the R-clamps as shown in Figure 34.

16

Installing the Hose from the 4-Way Valve to the Sprinkler Tee

Parts needed for this procedure:

1	Rinse-nozzle hose (28-1/2 inches, 3/4 inch ID)
2	Hose clamp

Procedure

1. Install a hose clamp over each end of the rinse-nozzle hose.
2. Install the hose to the open end of the tee fitting installed previously (Figure 37).

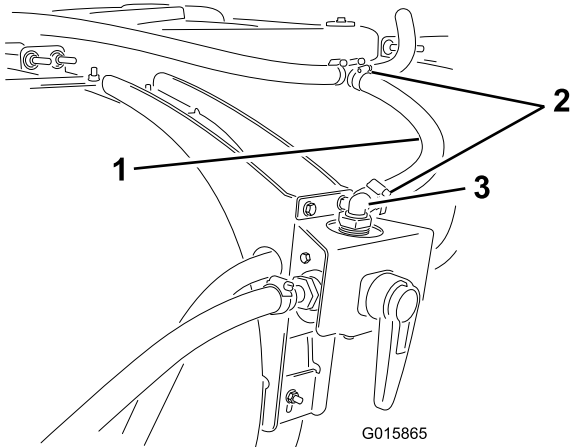


Figure 36

1. Supply hose
2. Hose clamps
3. 90° barbed fitting

3. Slide the hose clamp over the barbed fitting and tighten the clamp to secure the hose end.
4. Install the other end of the hose over the 90° barbed fitting at the top of the 4-way valve.
5. Slide the hose clamp over the barbed fitting, and tighten the clamp to secure the hose end.

17

Applying the Decal

No Parts Required

Procedure

1. Thoroughly clean the area on the plastic fender above the passenger side wheel.
2. Dampen the area with water or mildly soapy water.
3. Peel the decal from the backing and install the decal.
4. Use a squeegee across the surface of the decal, starting at the center of the decal and working toward the edges, using overlapping strokes.

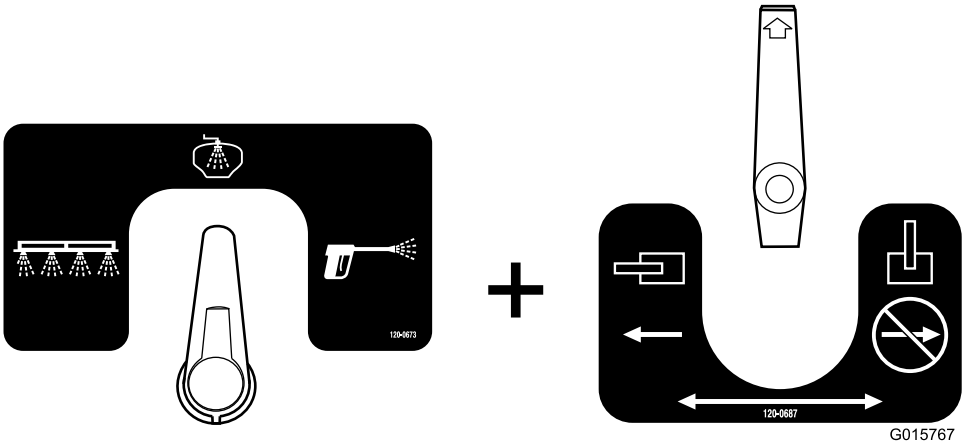
Operation

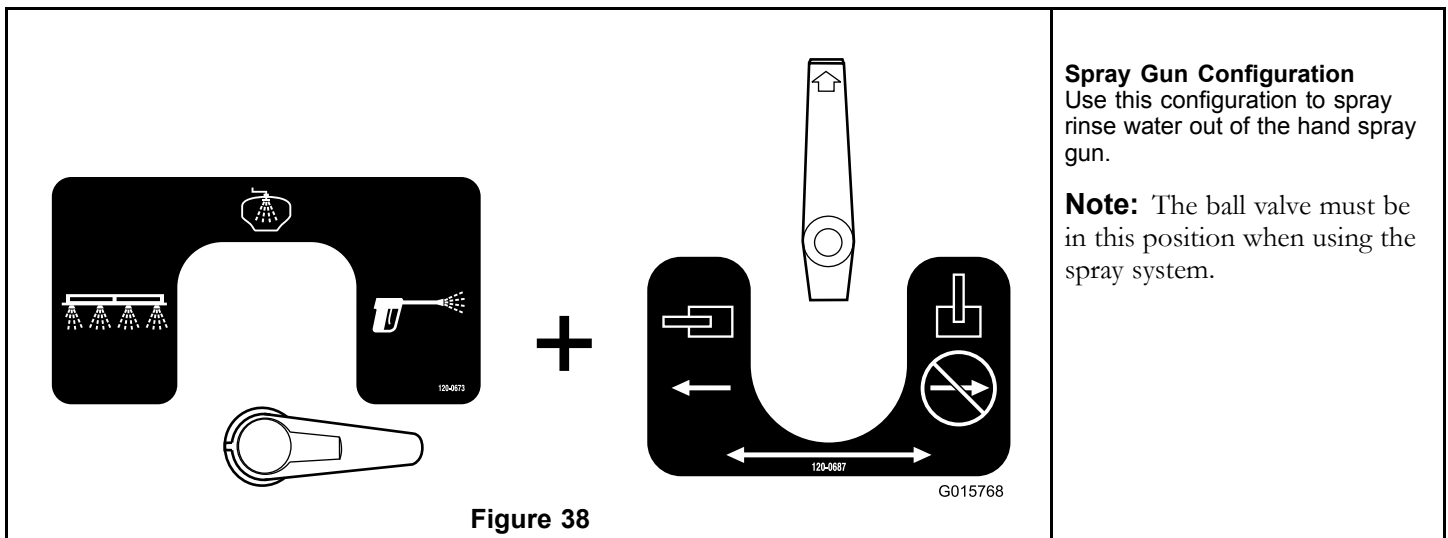
Using the Tank Rinse Kit will result in a rinsate; a diluted solution of residual chemicals. In many cases it is appropriate to apply the rinsate onto the treated areas. However, before doing so, check with the manufacturers of the chemical to ensure that applying a diluted solution to the treated areas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

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

Valve Configurations for the Rinse System

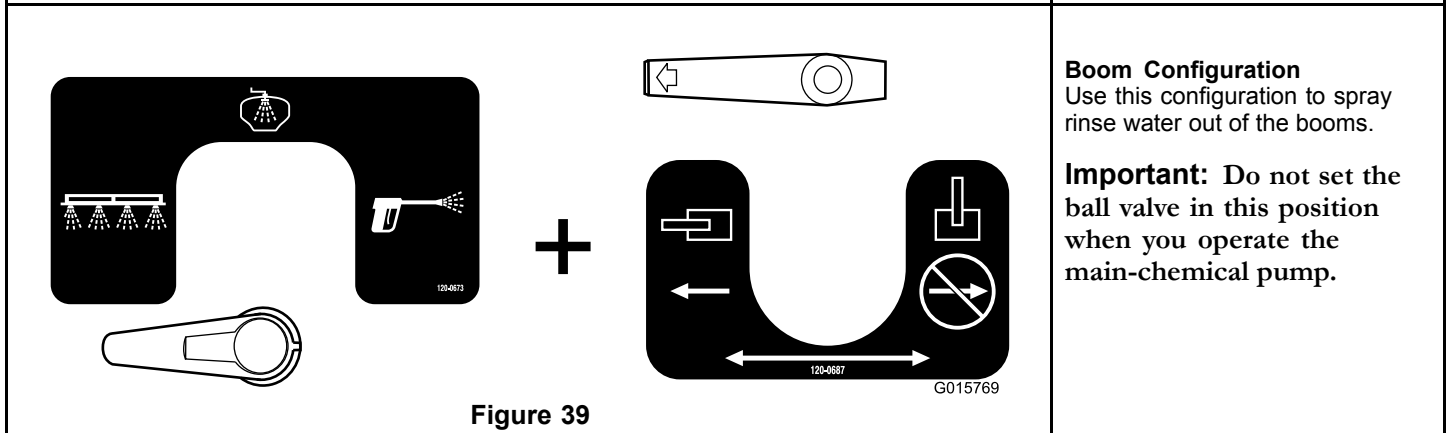
Do not set the valves in any other configuration except those shown in the table above.

Four-way Valve + Ball Valve	Description of the Outcome
 <p style="text-align: center;">Figure 37</p>	<p>Tank Rinsing Configuration Use this configuration to spray rinse water out of the rinse nozzles in the tank.</p> <p>Note: The ball valve must be in this position when using the spray system.</p>



Spray Gun Configuration
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.



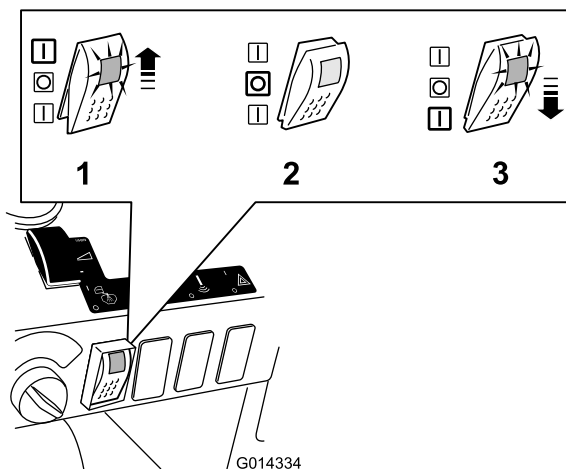
Boom Configuration
Use this configuration to spray rinse water out of the booms.

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

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

Controls

The Tank Rinse Kit is controlled by a 3-position switch (Figure 40).



1. Up, On, or Timed Rinse position
2. Neutral or Off position
3. Down, On, or Momentary Rinse position

- **Up:** The rinse pump is on, the switch locks in the Up position, the delay timer is activated, and the switch illuminates.
- **Neutral:** The rinse pump is off and the switch is in a middle position.
- **Down:** The rinse pump is on, the switch must be held in the Down position, the delay timer is not activated, and the switch illuminates.

Note: Pressing the switch Up engages a timed rinse. The pump engages for 90 seconds and pumps approximately 1/3 of the rinse tank contents into the main tank. During this time, the switch stays in the Up position and the light on the switch illuminates to signal that the pump is running. After 90 seconds, the light extinguishes, signalling that power to the pump has been shut off and the pump stops running. The switch remain in the Up position until you move it 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. The light on the switch is off.

Pressing the switch Down engages a momentary switch. Power is supplied to the pump for only 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 and the switch will be illuminated.

Filling the Tank

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 113 L (30 US gallons) with clean water.
3. Install the rinse-tank cap.

Important: The 113 L (30 US gallon) rinse tank is only intended to be filled with clean water. Introducing any other substance to the rinse tank can cause a safety hazard and/or damage the machine.

Operating the Rinse Cycle

Now optionally, when the pump has placed 38 L (10 US gallons) of water in the tank, you can use the agitation switch to put clean water into the agitation loop. After you are finished, you can spray the rinsate out the boom nozzles or manually drain it from the tank. This allows you to move the machine during the rinse processes.

1. Turn the Rinse Pump on by doing either of the following:
 - Press the switch up for a timed rinse.
 - Press and hold the switch down for a desired amount of time.
2. When the pump has placed 38 L (10 US gallons) of water in the tank, you can use the agitation switch to put the clean water into the agitation loop.
3. Pump the rinsate out as required by federal, state and local regulations by doing either of the following:
 - 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.

Note: You can repeat the rinse cycle as necessary or do 2 more timed rinse 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 Rinse-Tank Straps

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

Once the main tank has been filled with water, check to see if there is any play in the tank straps. If the straps are loose, tighten the fasteners at the top of the straps until they are flush with tank. **Do not overtighten the straps.**

Important: Overtightening the tank strap fasteners can result in deforming and damaging of the straps.

Notes:

Notes:

Notes:

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
41608	315000001 and Up	Eu Compliance Kit, Multi-Pro 5800 Turf Sprayer	EU COMPLIANCE KIT — 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:



David Klis
Sr. Engineering Manager
8111 Lyndale Ave. South
Bloomington, MN 55420, USA
March 12, 2015

EU Technical Contact:

Peter Tetteroo
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Belgium

Tel. 0032 14 562960
Fax 0032 14 581911

International Distributor List

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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	Solvart 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.

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.

- 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