



# Fuel Tank Fittings Kit

## 200 Series Z Master with Electronic Fuel Injection

Part No. 105-9363

### Installation Instructions

## Loose Parts

**Note:** Use the chart below to identify parts for assembly.

DESCRIPTION	QTY.	USE
Fuel Bulkhead—with screen	2	Installing the bulkhead fittings
Fuel Bulkhead—without screen	2	
Hose	1	
Grab Tool	1	
Thread locker	1	
Hose clamp, 1/4 in.	4	
Hose clamp, 5/16 in.	1	
Hose clamp, 5/16 in.	1	Draining the Fuel Tank

## Draining The Fuel Tank

Warning

**Gasoline is harmful or fatal if swallowed. Long-term exposure to vapors can cause serious injury and illness.**

- Avoid prolonged breathing of vapors.
- Keep face away from nozzle and gas tank or conditioner bottle opening.
- Keep gas away from eyes and skin.

Danger

**In certain conditions, gasoline is extremely flammable and highly explosive. A fire or explosion from gasoline can burn you and others and can damage property.**

- Drain gasoline from the fuel tank when the engine is cold. Do this outdoors in an open area. Wipe up any gasoline that spills.
- Never smoke when draining gasoline, and stay away from an open flame or where a spark may ignite the gasoline fumes.

**Note:** Fuel tanks hold up to 6 gallons of fuel each.

**Important** Removal and installation of hose clamps requires special pliers. Contact an Authorized Kohler® Service Dealer for ordering pliers.

1. Park the machine on a level surface, to ensure the fuel tank drains completely. Then disengage the power take off (PTO), set the parking brake, and turn the ignition key to off. Remove the key.
2. Close the fuel shut-off valve (Fig. 1).
3. Remove the hose clamp at the fuel filter.
4. Pull the fuel line off fuel filter. Open fuel shut-off valve and allow gasoline to drain into a gas can or drain pan.
5. Repeat these procedures for the opposite fuel tank.
6. Install the fuel line onto the fuel filter using a new hose clamp (5/16 in.).

**Note:** Now is the best time to install a new fuel filter because the fuel tank is empty.

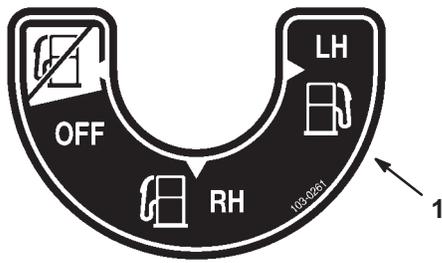


Figure 1

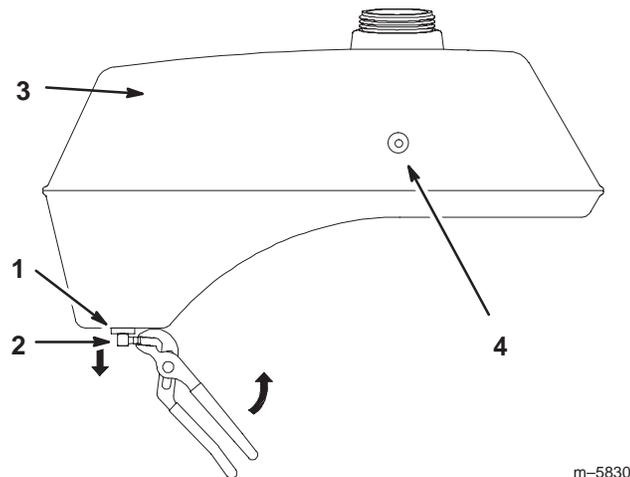
1. Fuel shut-off valve

## Removing the Existing Grommets

**Note:** There are two grommets in each fuel tank. There is a grommet located on the side and bottom of the fuel tank.

1. Remove the hose clamps from the grommets and then remove the hoses.
2. Using a pliers, remove the existing fitting and grommet from the bottom of the fuel tank (Fig. 2).
3. Using a pliers, remove the existing fitting and grommet from the side of the fuel tank.

**Note:** Remember to remove **both** the bottom and side grommets and fittings. Ensure all of the grommet is removed from the fuel tank.



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Figure 2

1. Rubber grommet—bottom
2. Fitting—bottom
3. Fuel tank
4. Rubber grommet and fitting—side

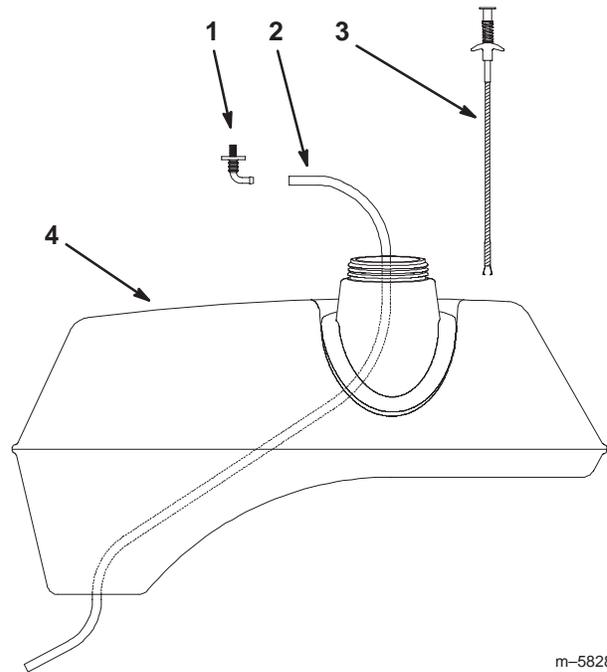
## Installing the Bulkhead Fittings

**Note:** The bulkhead fittings with the screens need to be installed in the bottom of the fuel tank. Install bulkhead fittings in **both** tanks.

1. Push the installation hose up through the bottom hole in the fuel tank (Fig. 3).
2. Using the grab tool, reach down through the filler neck and pull the hose up through the filler neck (Fig. 3).
3. Remove the nut and washer from the bulkhead fitting.

**Note:** Make sure the rubber o-ring is retained in the groove of the bulkhead fitting.

4. Attach the installation hose onto the elbow of the bulkhead fitting (Fig. 3).
5. Pull the hose and bulkhead fitting back down into the fuel tank. Pull the hose until the elbow is through the bottom (Fig. 3).



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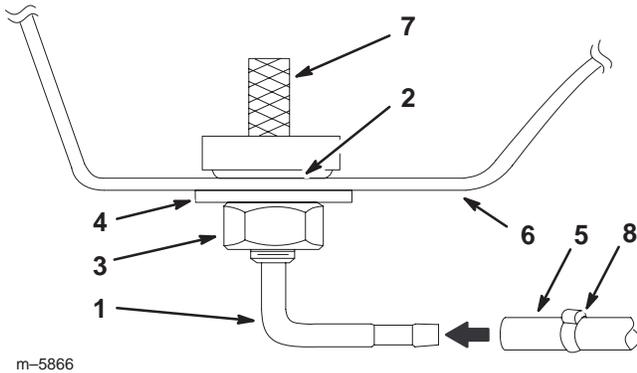
Figure 3

1. Bulkhead fitting
2. Installation hose
3. Grab tool
4. Fuel tank

6. Pull the bulkhead fitting through the hole until the threads are showing (Fig. 4).
7. Remove the installation hose. Apply thread locking compound onto the threads of the fitting.
8. Install the washer and locknut onto the fitting. Position the elbow in the correct position, for the fuel line, and tighten the locknut (Fig. 4).

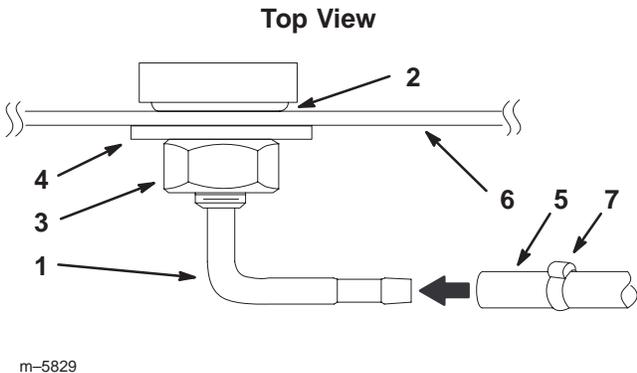
**Important** Installation of hose clamps require special pliers. Contact an Authorized Kohler® Service Dealer for ordering pliers.

9. Install the fuel line onto the elbow of the fitting and secure using new hose clamp (1/4 in.) (Fig. 4).
10. Repeat these procedures for the bulkhead fitting on the side of the fuel tank (Fig. 5).
11. Pour gasoline into the fuel tank, enough to cover the side bulkhead. Check for leaks around both fitting areas (Fig. 4).
12. If leaks occur, repeat by draining the fuel tank and installing the bulkhead fittings.



**Figure 4**

- |                            |                        |
|----------------------------|------------------------|
| 1. Bottom bulkhead fitting | 5. Fuel line           |
| 2. Rubber o-ring           | 6. Fuel tank           |
| 3. Nut                     | 7. Screen              |
| 4. Washer                  | 8. Hose clamp, 1/4 in. |



**Figure 5**

- |                                    |                        |
|------------------------------------|------------------------|
| 1. Side bulkhead fitting—no screen | 4. Washer              |
| 2. Rubber o-ring                   | 5. Fuel line           |
| 3. Nut                             | 6. Fuel tank           |
|                                    | 7. Hose clamp, 1/4 in. |

13. Repeat these procedures for the opposite fuel tank.

