



# Service Bulletin

## HTXG6DF Hydraulic Ride-On Trowels

### LPG Hose Replacement

<b>Product Group:</b> Trowel	<b>Date Issued:</b> 1/06/17	<b>Service Bulletin No.</b> TR20161213
<b>Bulletin Type</b> <input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Information Only <input type="checkbox"/> Recommended Change		<b>Models/Series Affected:</b> HTXG6DF S/N RD2002976 — PH2003310

**Details**

Replace original LPG hoses with UL listed hose assemblies.

**Parts Information**

Table 1. HTXG6DF LPG Hose Service Kit				
Item No.	Part No.	Description	QTY.	Remarks
1	32828-SK	LPG Hose Service Kit - HTXG6DF	1	Includes Items 2-6
2	32831	Loctite®, 567™, 6ML	1	
3	32832	Fitting, STR -4FJ X -4FP	1	
4	32833	Fitting, 90 -4MJ X -4MBSPT	1	
5	43046	Hose Assy, 1/4" ID LPG X 30.0", 2 X 1/4MP	1	
6	43047	Hose Assy, 1/4" ID LPG X 44.5", 2 X 1/4MP	1	

**Figure 1. Kit, LPG Hose, HTXG6DF**

## WORK SAFELY!

***Only a qualified service technician with proper training should perform this installation.*** Follow all shop safety rules when performing this installation.

## PREPARATION

1. Make sure trowel is turned off and engine is cool.
2. Place the trowel in an area free of dirt and debris.

## REQUIRED TOOLS

- Ratchet Set
- 4mm Allen Wrench
- 13mm, 9/16", 5/8", 3/4", 30mm Open-End Wrenches

## LPG TANK SAFETY

### DANGER

- **DO NOT** smoke around or near the equipment. Fire or explosion could result from gas vapors.
- Accumulation of LP gas vapors may result in the development of an oxygen-deficient atmosphere which carries a risk of asphyxiation.
- **NEVER** enter a gas cloud area. This condition produces an oxygen-deficient atmosphere that could be fatal.

### CAUTION

- **ALWAYS** use protective gloves when handling LPG tank. LP gas will cause cold burns if it comes into contact with the skin.
- The eyes and body must be protected when handling all LP gas products. **ALWAYS** wear protective eye safety glasses and clothing.

## BATTERY SAFETY

### DANGER

- **DO NOT** expose the battery to open flames, sparks, cigarettes, etc. The battery contains combustible gases and liquids. If these gases and liquids come into contact with a flame or spark, an explosion could occur.
- **ALWAYS** disconnect the **NEGATIVE** battery terminal before performing service on the equipment.
- **ALWAYS** keep battery cables in good working condition. Repair or replace all worn cables.

## BATTERY DISCONNECTION

1. Remove left side guard to access battery (Figure 2).

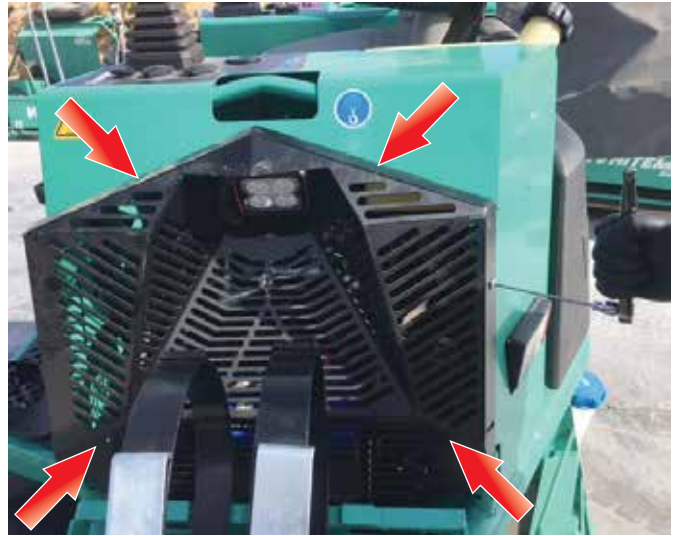


Figure 2. Left Side Guard Removal

2. Disconnect negative cable (**BLACK**) from the negative terminal on the battery (Figure 3).

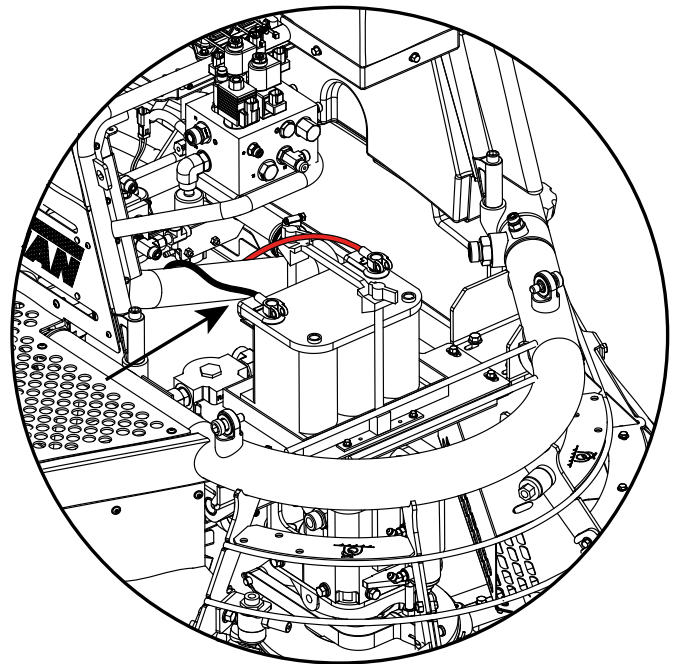
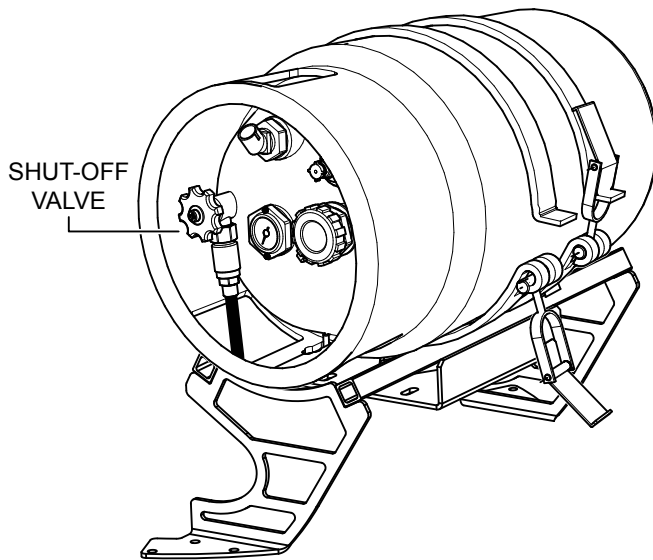


Figure 3. Battery Disconnection

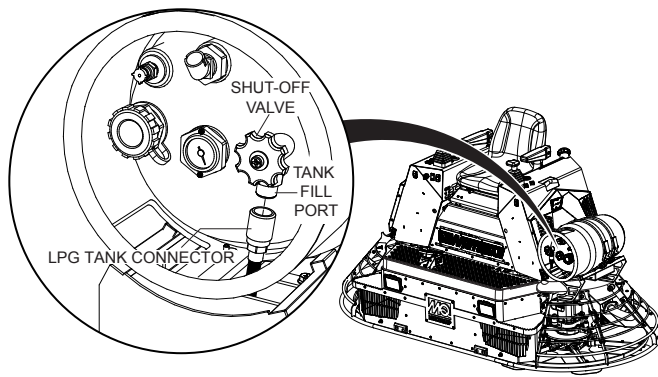
## LPG TANK REMOVAL

1. **CLOSE** shutoff valve (Figure 4) on LPG tank.



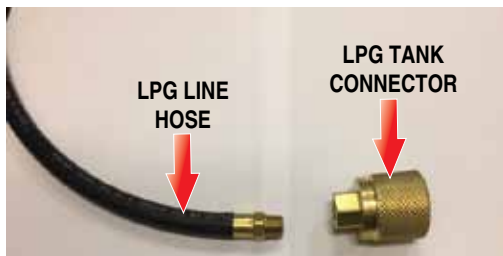
**Figure 4. Close LPG Tank Shutoff Valve**

2. Disconnect LPG tank connector from LPG tank fill port (Figure 5).



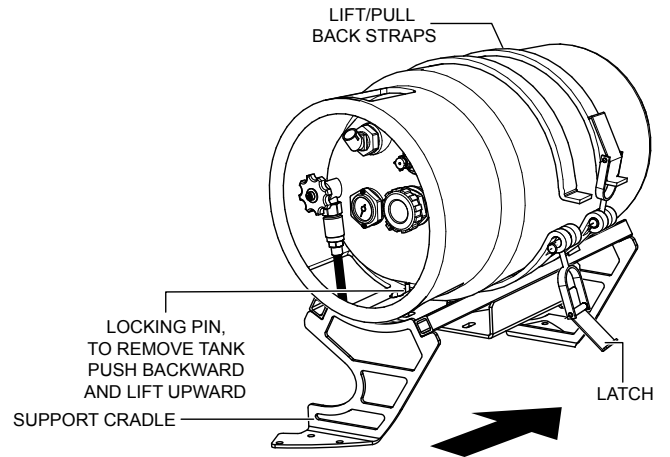
**Figure 5. Disconnect LPG Tank Connector**

3. Remove LPG tank connector from LPG line hose and set aside (Figure 6).



**Figure 6. LPG Tank Connector Removal**

4. Release LPG tank strap latches (Figure 7). Push LPG tank backward and lift upward to remove.



**Figure 7. LPG Tank Removal**

## REPLACING THE LPG HOSES

1. Lift up the operator's seat (Figure 8).



**Figure 8. Lift Seat**

2. Remove bolt that secures the fuel tank to the frame (Figure 9), and set aside.



**Figure 9. Fuel Tank Bolt Removal**

3. Tilt fuel tank to access bolt that secures clam shell to frame, and remove bolt (Figure 10). Remove adjacent clam shell bolt as well and set aside both bolts. Repeat on opposite side clam shell.



**Figure 10. Clam Shell Bolt Removal**

4. Place both clam shells in the open position (Figure 11).



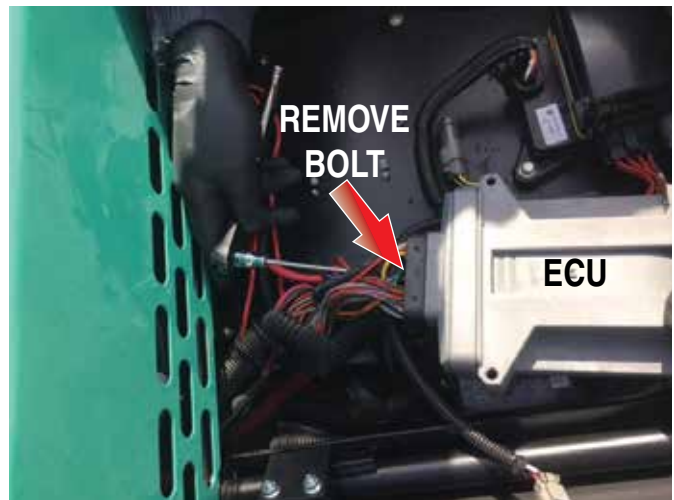
**Figure 11. Open Clam Shells**

5. Remove the four bolts (Figure 12) that secure the Engine Control Unit (ECU), and set aside.



**Figure 12. ECU Bolt Removal**

6. Using a 4mm Allen wrench, remove bolt that secures the ECU plug to the ECU (Figure 13). Remove ECU and set aside.



**Figure 13. ECU Removal**

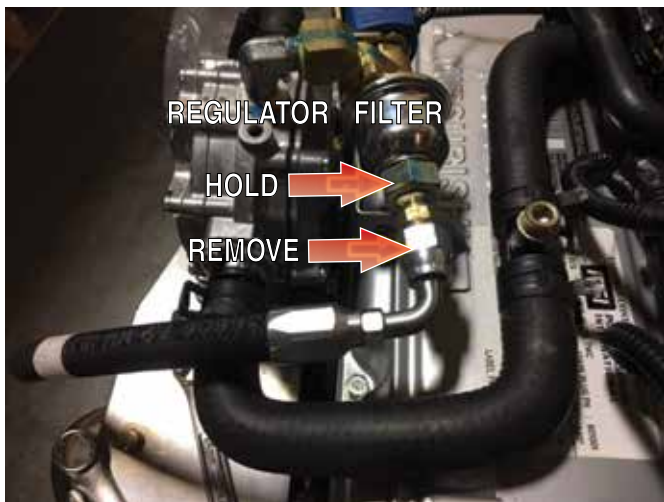


7. Lift up electrical panel (Figure 14) to access the LPG regulator.



**Figure 14. Lift Electrical Panel**

8. Hold the regulator filter in place with a wrench, and use another wrench to remove the 90° hose fitting attached to the filter (Figure 15). Discard fitting.



**Figure 15. 90° Fitting Removal**

9. Hold the regulator filter in place with a wrench, and use another wrench to remove the straight fitting attached to the filter (Figure 16). Discard fitting.

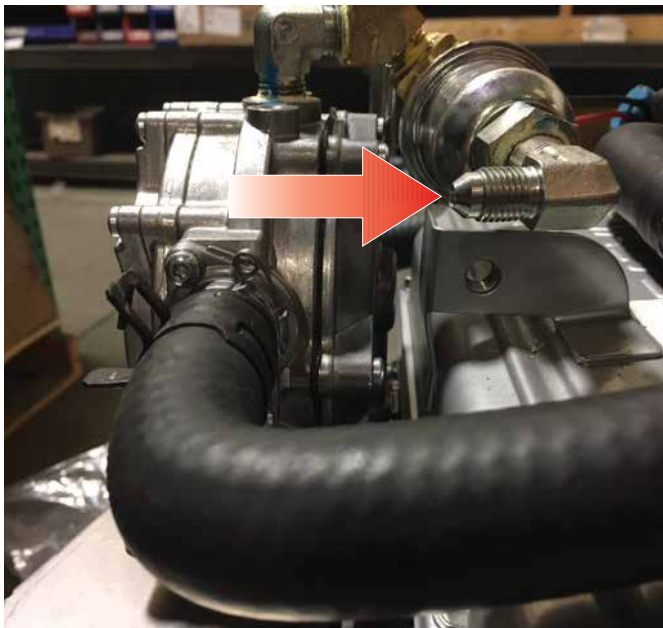


**Figure 16. Straight Fitting Removal**

10. Apply Loctite® 567™ to threads on new 90° fitting (P/N 32833). Insert fitting into regulator filter, and tighten securely (Figure 17). Once installed, fitting should point as shown in Figure 18.

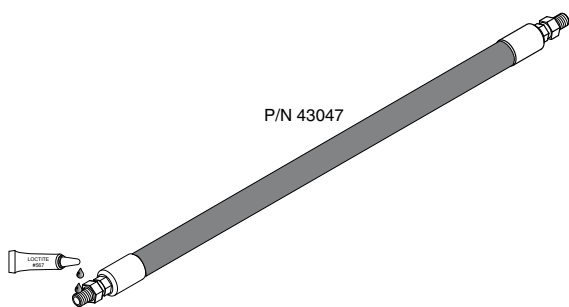


**Figure 17. Applying Loctite® 567™ (90° Fitting)**



**Figure 18. 90° Fitting Installation**

11. Apply Loctite® 567™ to the threads on one end of the new hose (P/N 43047).



**Figure 19. Applying Loctite® 567™ (New Hose)**

12. Connect female straight fitting (P/N 32832) to new hose (P/N 43047) male straight fitting (Figure 20). Tighten securely.

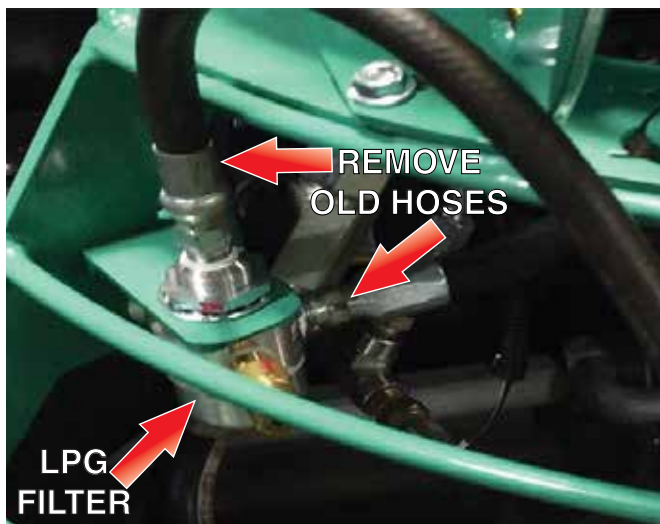


**Figure 20. Straight Fitting Connection**

13. Remove and discard both existing hoses from LPG filter (Figure 21).

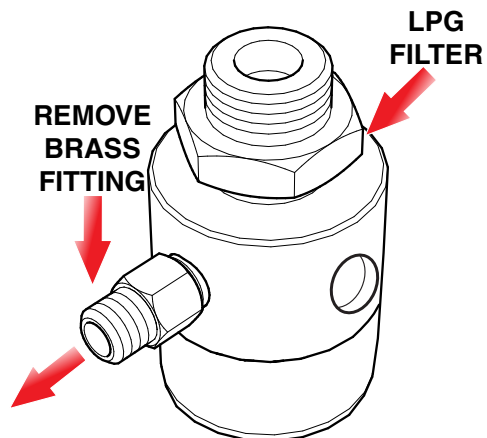
**NOTICE**

Take note of the routing of the hose that connects to the regulator. The new hose will need to be routed the same way, but must be installed into the top of the LPG filter instead of the side.



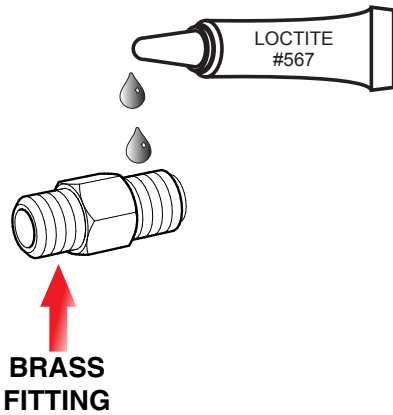
**Figure 21. Existing Hose Removal**

14. Remove brass fitting from LPG filter (Figure 22).



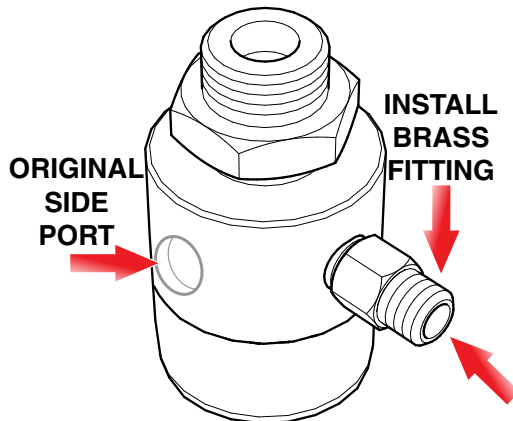
**Figure 22. Brass Fitting Removal**

15. Apply Loctite® 567™ to the threads on the removed brass fitting (Figure 23).



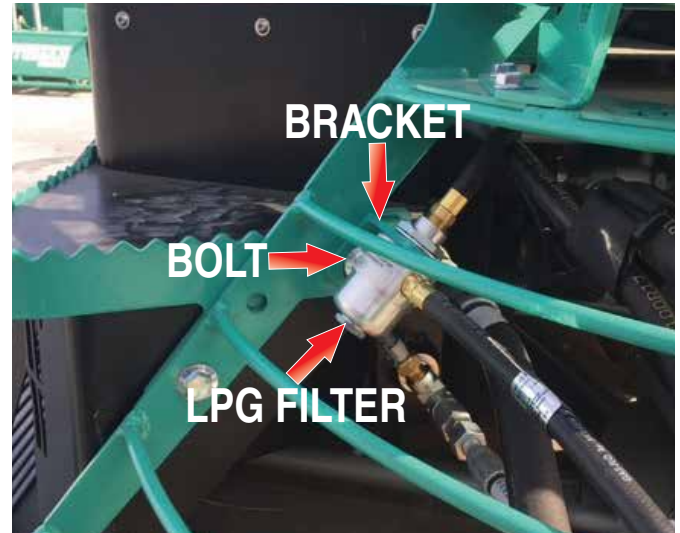
**Figure 23. Applying Loctite® 567™ (Brass Fitting)**

16. Insert brass fitting into the side port on the *opposite side* of the LPG filter (Figure 24) and tighten securely. **DO NOT** reinsert fitting into its original port.



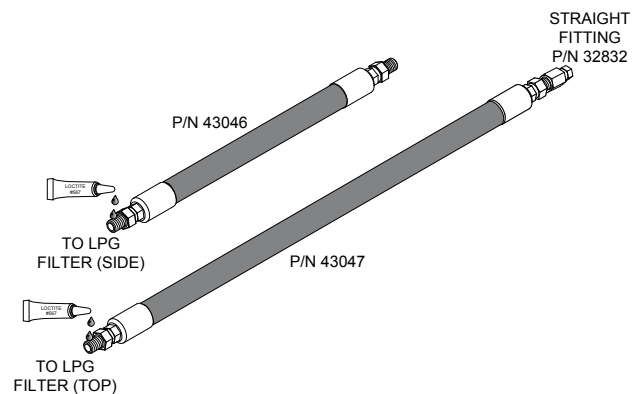
**Figure 24. Brass Fitting Relocation**

17. Loosen bolt on bracket that secures LPG filter to the frame. Rotate bracket downward at a slight angle as shown in Figure 25.



**Figure 25. LPG Filter Bracket Rotation**

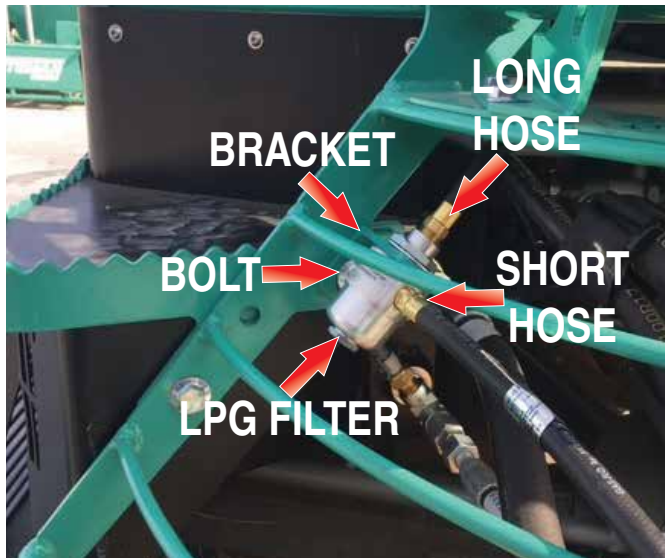
18. Apply Loctite® 567™ to the threads on one end of the new, shorter hose (P/N 43046) and on the free end of the new, longer hose (P/N 43047).



**Figure 26. Applying Loctite® 567™ (LPG Filter Sides)**

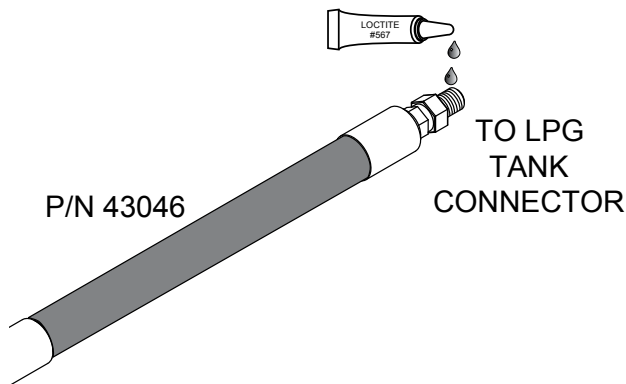


19. Insert free end of longer hose (P/N 43047) into the top of the LPG filter and insert shorter hose (P/N 43046) into the open filter side port (Figure 27). Tighten both hoses and LPG filter bracket securely.



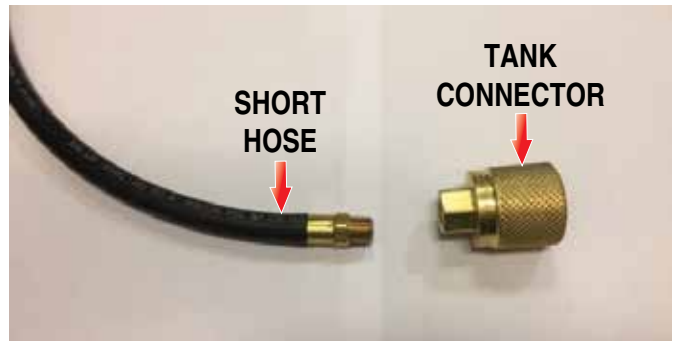
**Figure 27. Attaching New Hoses to LPG Filter**

20. Apply Loctite® 567™ to the free end of the short hose (P/N 43046). Reference Figure 28.



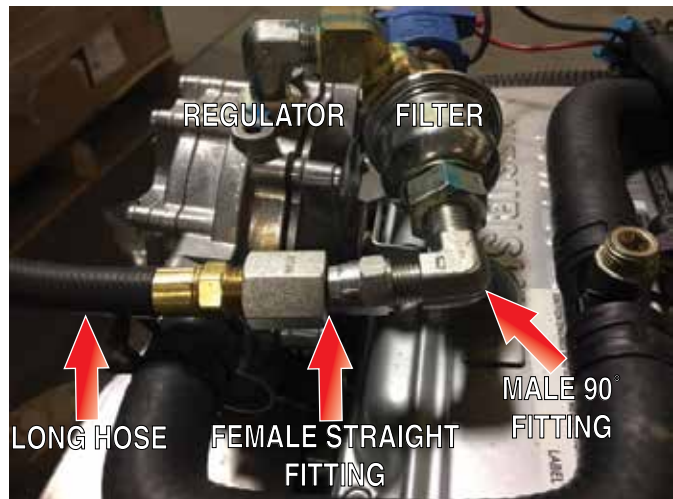
**Figure 28. Applying Loctite® 567™ (Tank Connector Side)**

21. Connect LPG tank connector to free end of short hose (P/N 43046) as shown in Figure 29, and tighten securely.



**Figure 29. Tank Connector Connection**

22. Connect long hose (P/N 43047) with female straight fitting (P/N 32832) to male 90° fitting (P/N 32833) at the regulator filter, and tighten securely (Figure 30). Secure hose with zip ties.



**Figure 30. Hose Fitting Connection**

23. Make sure all fittings and hoses are tightened securely. Reconnect LPG tank, turn valve on, and check for any leaks using soapy water.
24. Reinstall Engine Control Unit plug and bolts, and reconnect the battery.
25. Start engine and check for leaks at the regulator and filter.
26. Reinstall electrical panel and clam shell bolts. Reinstall fuel tank bolt and left side guard.





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**LPG Hose Replacement**

**HERE'S HOW TO GET HELP**

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NUMBER ON-HAND WHEN CALLING

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