



Vantage Mobility International

Field Replacement Instructions for Fuel Lines

Replacing the 2011 Honda Odyssey Flexible Fuel Lines

**Document Number OP-W-107-
September 1, 2011**









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TOOLS	MATERIALS
Battery driver Ratchet wrench Sockets, 9/16", 3/8", 5/8" Socket extension, 3/8" Open wrench, 5/8" Caulk gun	PP9547, front fuel line PP9549, rear fuel line Caulk, grey WD40 lubricant Latex gloves Safety glasses

TOOLS NEEDED

 <p>Battery driver</p>	 <p>Ratchet wrench</p>	 <p>Socket extension, 3/8"</p>
 <p>Sockets, 9/16", 5/8", 3/8"</p>	 <p>Wrench, 5/8"</p>	 <p>Caulk gun</p>



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PARTS/MATERIALS NEEDED

 <p>PP9547 front fuel line</p>	 <p>PP 9549 rear fuel line</p>	 <p>Containment for fuel</p>
 <p>EX2015 grey caulk</p>	 <p>Latex gloves</p>	 <p>Safety glasses</p>
 <p>Lubricant</p>		



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SCOPE

This document provides detailed instructions and photos for field replacement of the front and rear flexible fuel lines on the 2011 Honda Odyssey.

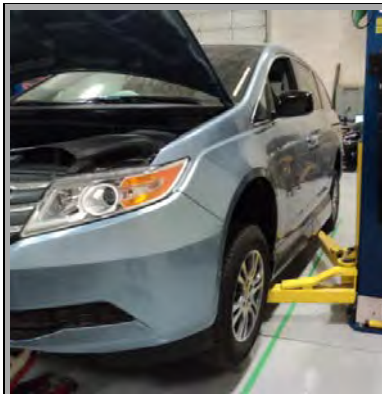
FRONT LINE REPLACEMENT

Prerequisites



It will take approximately 1 hour to perform this procedure.

- ✓ Drive the vehicle onto a ramp or hydraulic lift to get access to the undercarriage.
 - ✓ Disconnect the battery cables
1. If needed, raise the vehicle on the hydraulic lift.
 2. Lock the lift.
 3. Take off the fuel shield by removing three self drilling 3/8" bolts.
The bolts may have caulk on them.
 4. Save the bolts to reuse later.



Vehicle on lift or ramp



Disconnect battery cables



Fuel line shield



Shield bolts



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Have a containment pan ready to catch any fuel leaking from the line.

5. Have the replacement fuel lines ready. They are marked with:
 - Letter "C"
 - Green stripe
6. Remove the back-end and front end of the fuel line by unlocking the blue snap and pulling it from the installed fuel line.
7. Cut and discard the old line.



Replacement fuel lines



Snap in locked position



Snap in unlocked position

To attach the front replacement line, PP9547, follow these steps:

8. Unlock the blue snap by pressing on the tabs, as shown.
9. Align the front replacement



Press on tabs to unlock

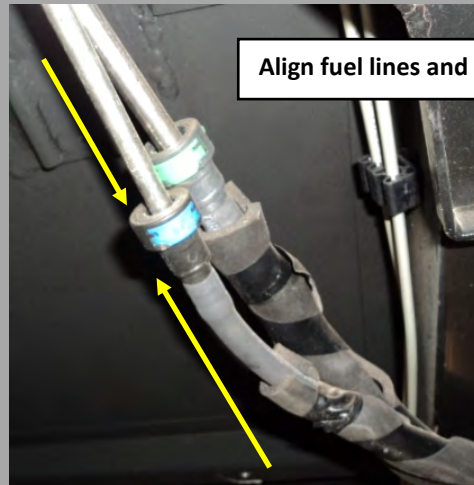


Press on tab to lock

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fuel line with the installed lines and firmly push on each end to connect.

10. Push the blue tabs to lock the connection. **Listen for an audible click.**
11. Pull on the lines to test the connection.

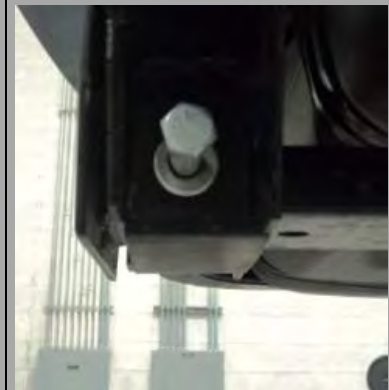


REAR LINE REPLACEMENT

12. Loosen the left and center fuel tank straps by removing the 9/16" bolts and flat washers located toward the front of the gas tank.
13. Save the bolts and washers to reuse.

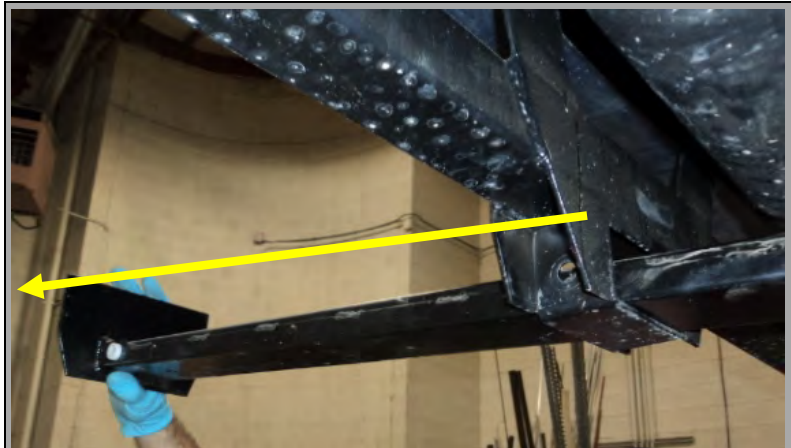


14. Using a ratchet wrench and open wrench, loosen the 5/8" nut and remove the bolt and washers from the bumper tube and fuel tank guard.
15. Save the nut, bolt, and washers to reuse.



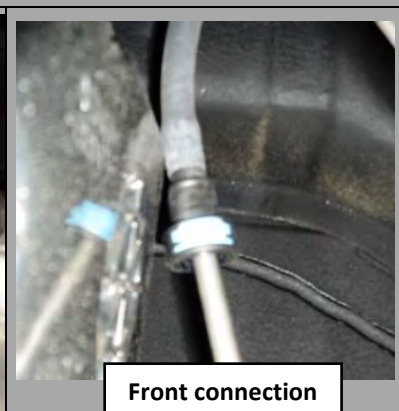
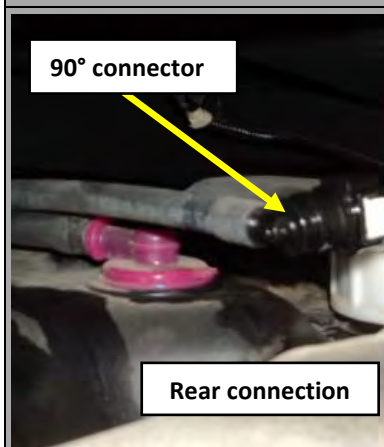
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16. Carefully pull the bumper tube out of the fuel tank guard.
17. Pull the fuel tank downward to gain access to the rear fuel line.
You will need to reach above and behind the tank to locate and disconnect the fuel line from the fuel pump.



Have a containment pan ready to catch any fuel leaking from the line.

18. Press the white snaps to release the 90° connector from the fuel pump.
19. Unlock the blue snap to remove the front end of the fuel line from the installed line.
20. Cut and discard the fuel line.





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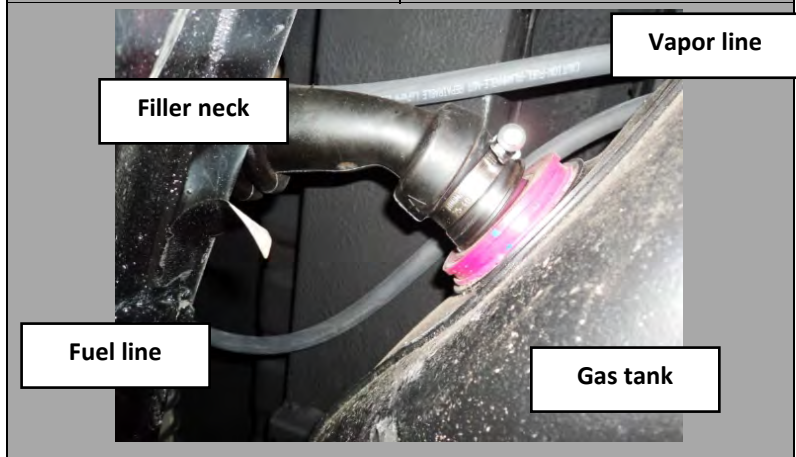
21. Get the replacement fuel line, PP9549.
22. Align the 90° connector end of the replacement line to the fuel pump and push firmly to connect.

✓ **Listen for an audible click.**
23. Pull on the line to test the connection.
24. Press to unlock the blue plastic snap on the connector.
25. Align the other end of the fuel lines and push firmly to connect.
26. Push the blue tab to lock the connection.

✓ **Listen for an audible click.**
27. Pull on the line to test the connection.



The photo shows the correct position of the rear lines after installation.





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TEST FOR LEAKS

Before reinstalling the gas line shield, bumper tube and gas tank straps, check for line leaks.

28. If necessary, lower the lift enough to gain access to the engine compartment.

29. Reconnect the battery using a 10mm wrench.

30. Turn the ignition a few times to repressurize the fuel lines.

NOTE: Do not start the engine.

31. Inspect for leaks.

32. Using a battery driver and 3/8" socket, reinstall the fuel line shield using the three bolts removed in [STEP 3](#).

33. Caulk around the bolts.

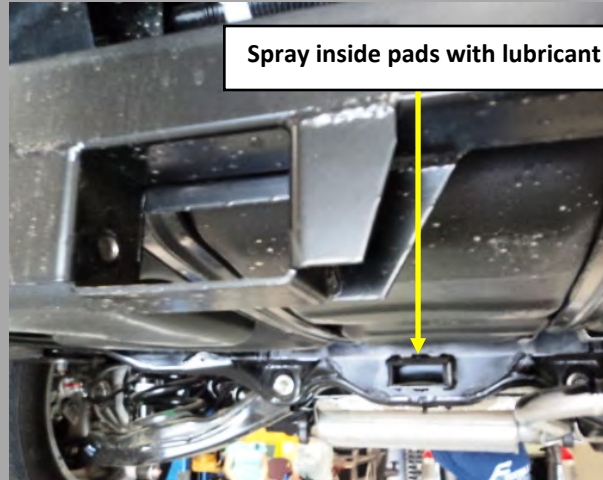
The front line replacement is complete.

If...	Then...
There are no leaks in the front or rear fuel lines	Continue with STEP 32
There is a leak in the front fuel line	Go to STEP 6 and fix the leak
There is a leak in the rear fuel line	Go to STEP 18 and fix the leak



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34. Lubricate the receiving chamber pads to help with the installation of the bumper tube.



35. Reinstall the bumper tube and connect it to the gas tank guard using the nut, bolt, and washers removed in [STEP 14](#).



36. Tighten using the battery driver and 5/8" socket.





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37. Using a socket wrench and 9/16" socket, reinstall the washers and bolts for the gas tank straps.

The rear fuel line replacement is complete.

38. Lower the vehicle if using a hydraulic lift.

39. The entire replacement process is complete.

