



# Vantage Mobility International

## EDGE II – Fuel Tank Replacement

Document Number: OP-WI-0422

### EDGE II – FUEL TANK REPLACEMENT

|               |                |
|---------------|----------------|
| ASSEMBLY AREA | SERVICE CENTER |
| MODEL         | RT EDGE II     |

### RELEASE SIGNATURES

| TITLE                  | SIGNATURE      | DATE      |
|------------------------|----------------|-----------|
| DEPARTMENT SUPERVISOR  | Jose Lizarraga |           |
| DEPARTMENT MANAGER     | Buddy Stotts   |           |
| MANUFACTURING ENGINEER | Cameron Gross  | 1/28/2019 |
| SAFETY MANAGER         | Anthony Meza   |           |
| QUALITY MANAGER        | Jenny Glenn    |           |

### REVISION HISTORY

| AUTHOR        | DESCRIPTION OF CHANGE                                | REV | RELEASED  | ECO# |
|---------------|------------------------------------------------------|-----|-----------|------|
| Brice Bundy   | Initial Release                                      | A   | 1/7/2019  | N/A  |
| Cameron Gross | Additional photos for clarity. Add tool descriptions | B   | 1/28/2019 | N/A  |



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### SAFETY REQUIREMENTS

|                       |                      |                  |
|-----------------------|----------------------|------------------|
| IM6064 Safety Glasses | IM6110 Safety Gloves | IM6040 Ear Plugs |
|                       |                      |                  |
|                       |                      |                  |

### TOOLS NEEDED

|                           |                        |                       |
|---------------------------|------------------------|-----------------------|
| 3/8 Drive Impact          | 9/16" Socket 3/8 Drive | 7/8" Socket 3/8 Drive |
| 3/8 Drive Extension       | 10 mm Socket 3/8 Drive | Side Cutters          |
| Panel removal tool        | Automotive lift        | Fuel tank jack        |
| Torque wrench (30 ft.lbs) | Paint marker/stick     |                       |

### PARTS NEEDED

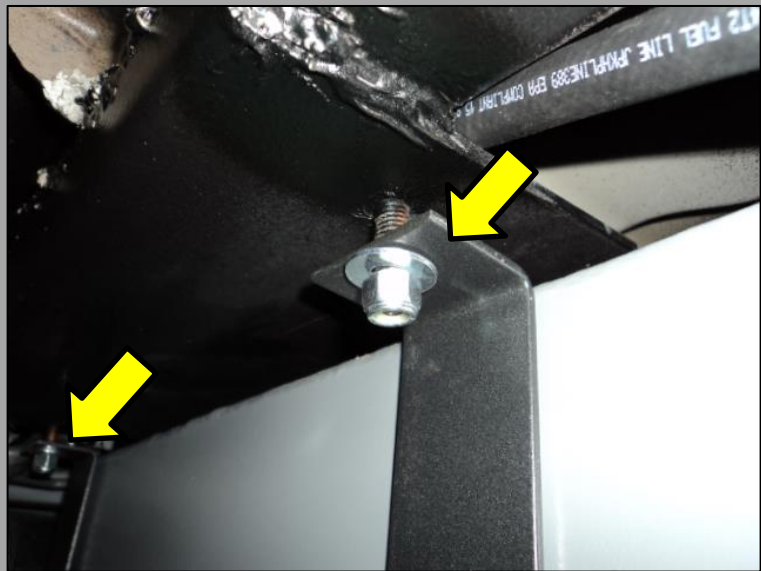
|                                 |              |                                         |
|---------------------------------|--------------|-----------------------------------------|
| (SA7255) Fuel Tank Assembly x 1 | Zip Ties x 2 | (FT10308) #8x3/4 Self-Tapping Screw x 2 |
| OEM Heat Shield x 1             |              |                                         |
|                                 |              |                                         |
|                                 |              |                                         |

### SCOPE

This document provides detailed instructions for removing the interior of the Dodge RT for the EDGE II conversion

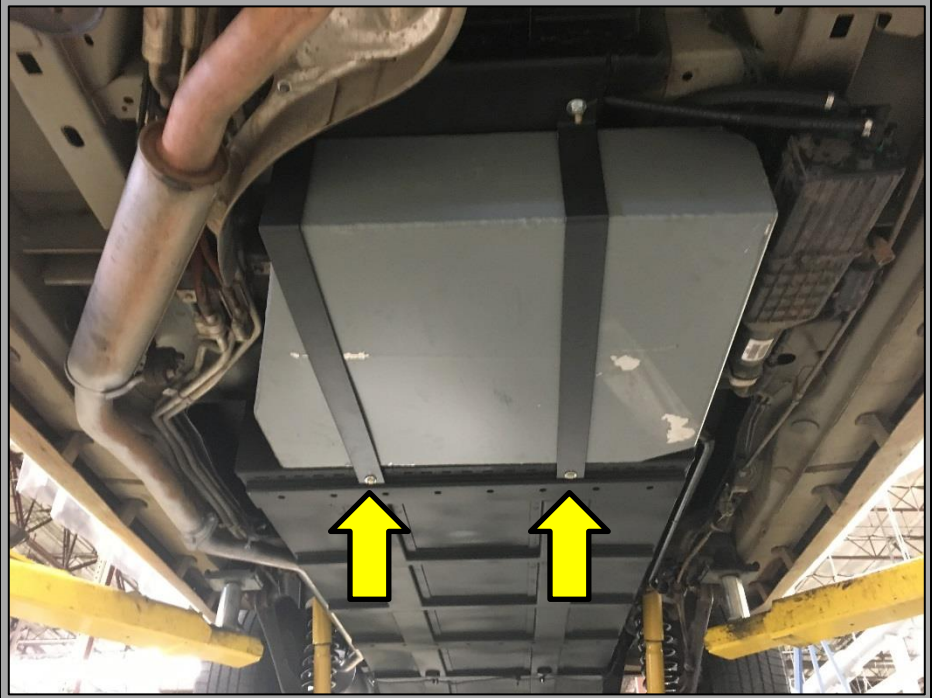
### CONTENTS

1. Raise vehicle on lift and place fuel tank jack under fuel tank. Lower vehicle until fuel tank is approx. an inch off fuel tank jack. With a 9/16" Socket, remove the two lock nuts at the front of the tank as shown. Save the hardware for reinstallation

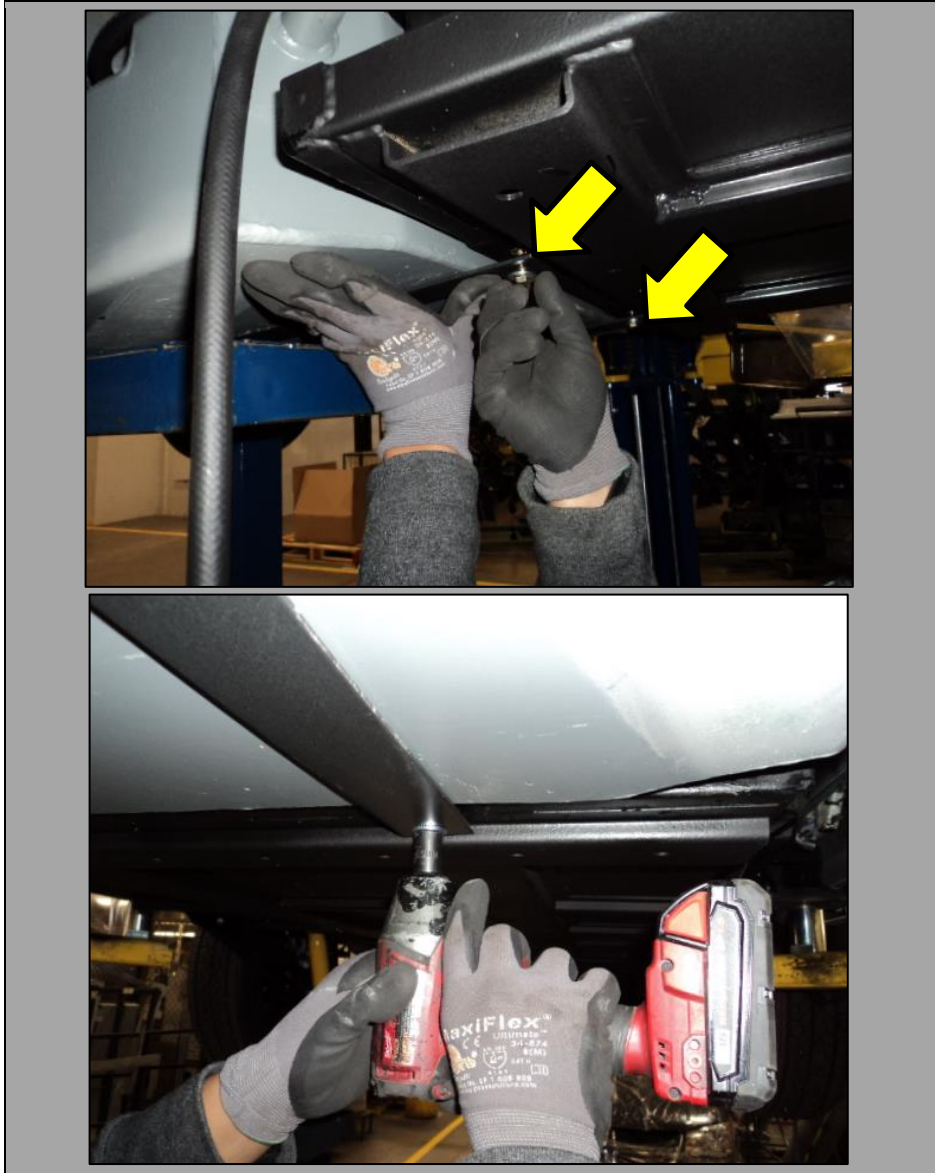
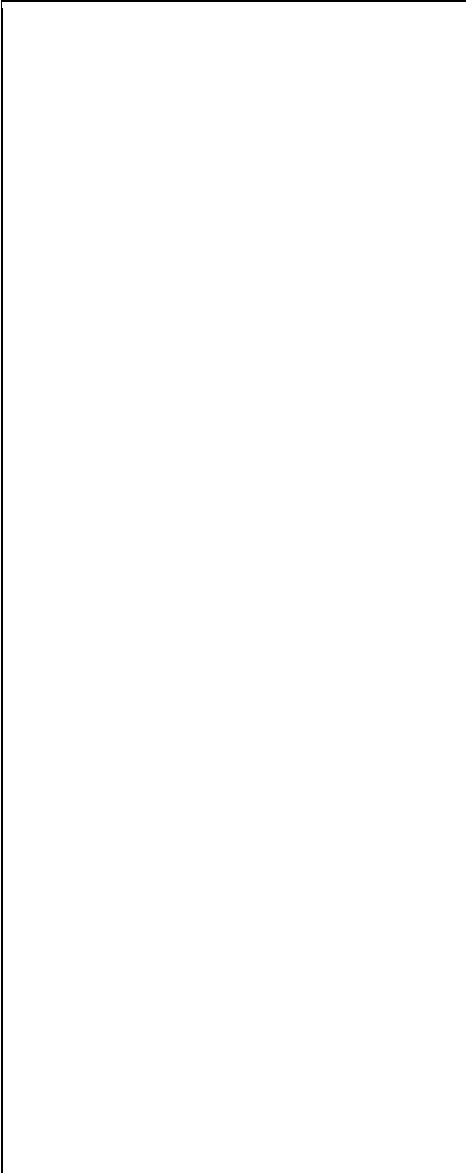


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2. At the rear of the fuel tank, use a 7/8" Socket to remove the two bolts as shown. Save all hardware for reinstallation

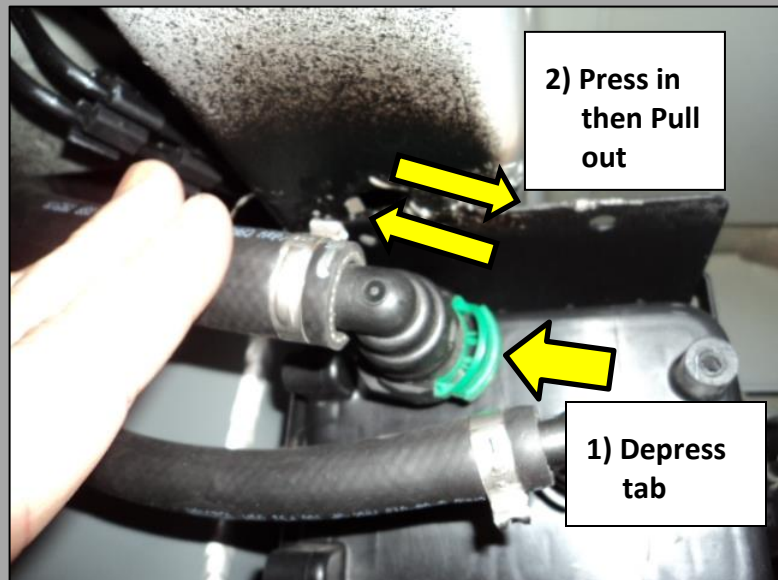


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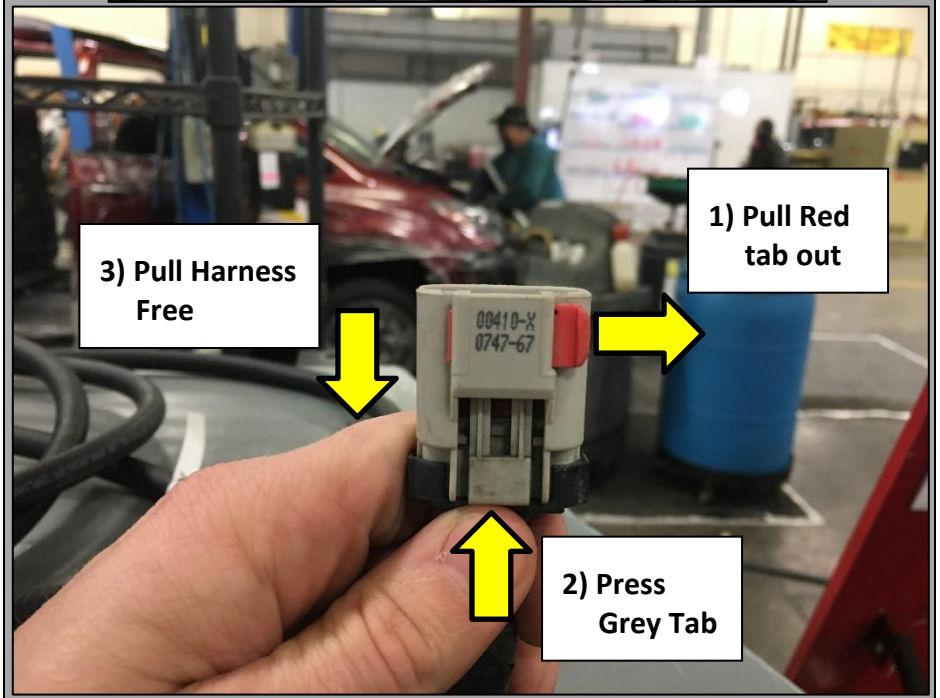
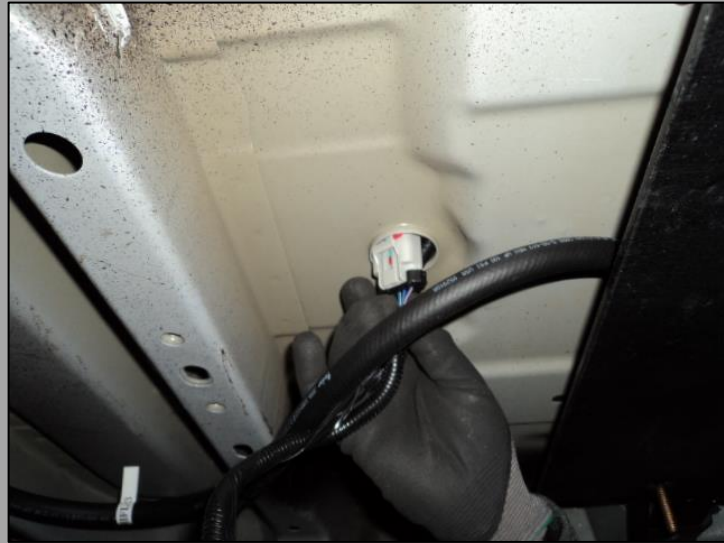


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3. With the tank now resting on the fuel tank jack, raise the vehicle approx. 12 inches. Disconnect the two hoses at the front of the vapor canister using the directions shown.



4. Disconnect fuel pump wire harness using directions shown



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5. Disconnect the Fuel Feed and Return line quick connects at the back of the Fuel Tank using the same technique as detailed in step 3

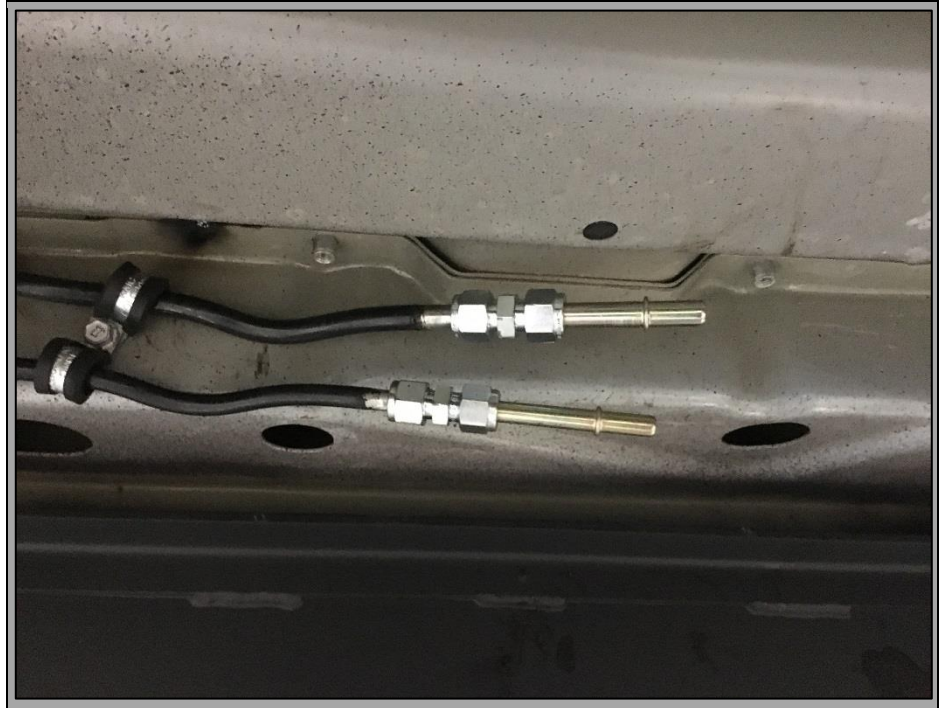
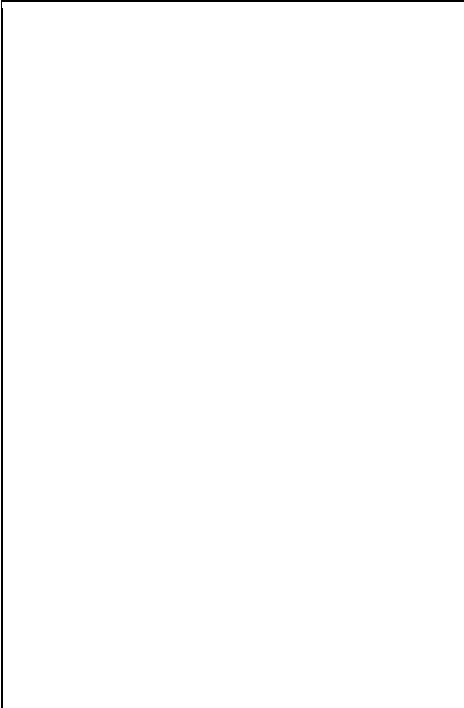




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6. At the driver side rear wheel well, remove the three clips at the bottom of the liner then remove the liner



7. Disconnect the quick connect from the filler neck using the technique detailed in step 3



8. At the driver side rear corner of the tank, use a 10mm socket to loosen the hose clamp around the filler neck. Remove the rubber hose from the fuel tank.



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9. Raise vehicle all the way up and remove old fuel tank from under the vehicle



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10. Set new fuel tank assembly SA7255 on top of fuel tank stand with fuel tank straps slid underneath as shown



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11. Position new tank under vehicle and reconnect the pump the harness through the floor as shown



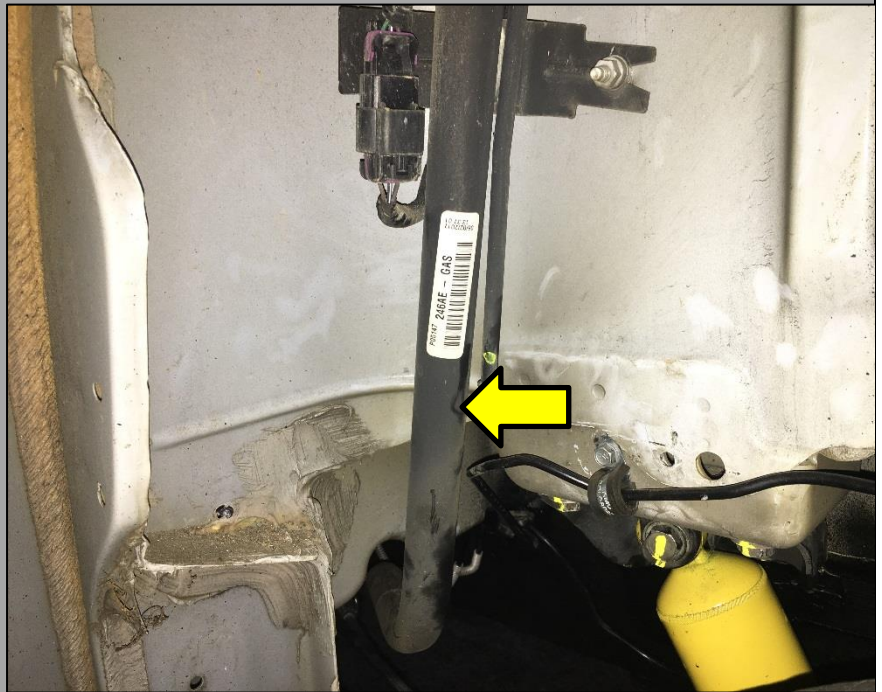
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12. Connect the vapor lines to the front of the vapor cannister by pressing the quick connects onto the male fittings until they click



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13. At the driver side rear wheel well, connect the quick connect to the filler neck by pressing the quick connects onto the male fittings until they click. Reinstall the wheel well liner and press the three clips back into their original locations





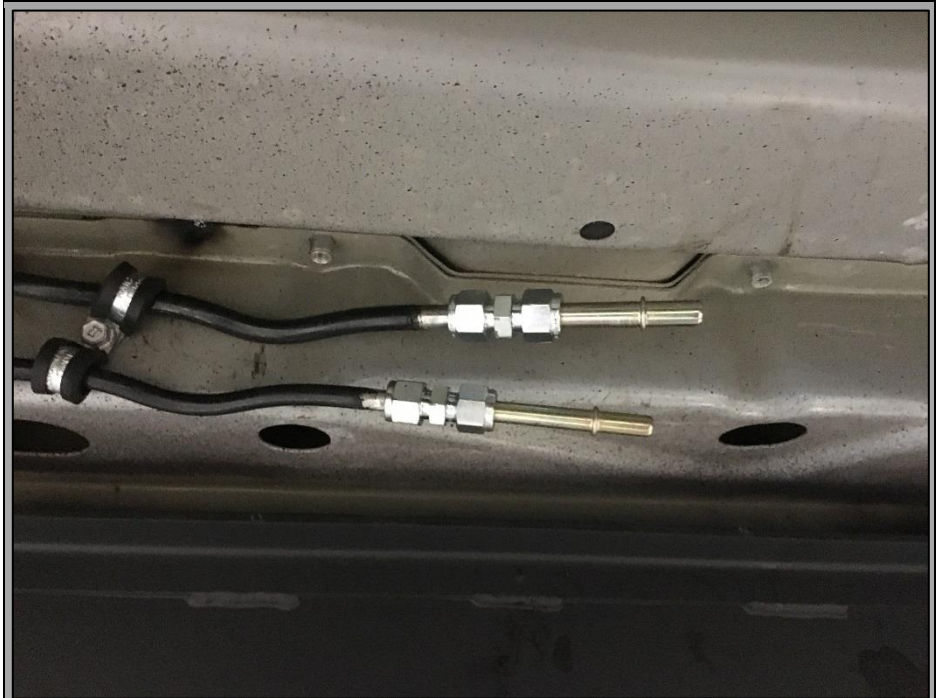
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14. Tie the vapor line to the filler neck with zip ties as shown. Cut the excess zip tie with side cutters.



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15. Reconnect the feed and return lines to the quick connects at the back of the tank. 5/16 hose to 5/16 quick connect and 3/8 hose to 3/8 quick connect. Press the fittings together until they click



16. Reconnect the filler neck to the tank and tighten the hose clamp with a 10mm socket



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17. At the back of the tank, by hand, thread in all the hardware from the rear tank strap. Then tighten the bolts with a 7/8 socket



18. At the front of the tank, align the passenger side tank strap with the beveled edge of the tank as shown



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19. By hand, thread the hardware for the front tank straps onto the stud at the front of the tank. Using a 9/16 socket, fasten the lock nut down

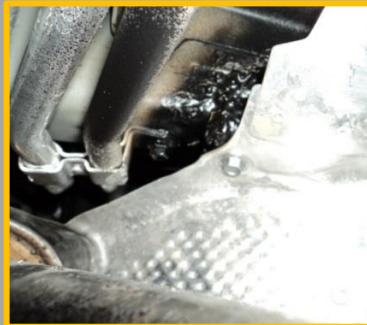
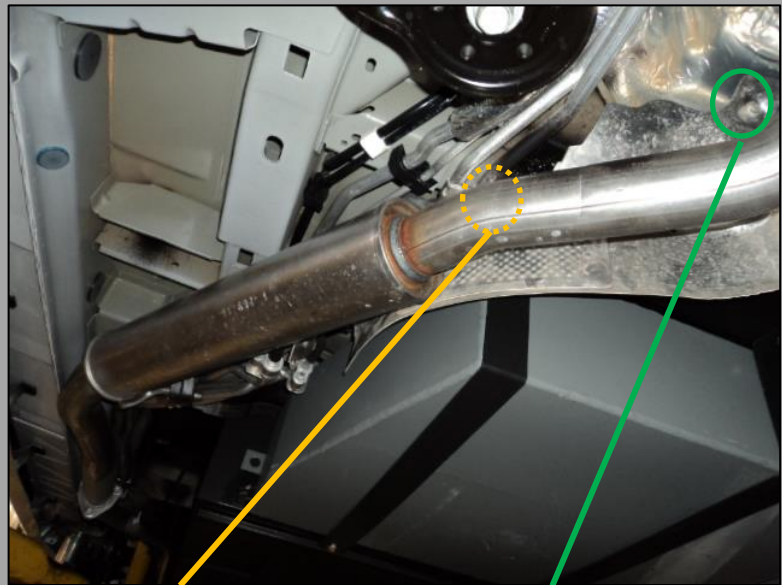


20. Torque the four fuel tank strap bolts to 30 ft-lbs then mark the bolts with a paint stick to indicate they have been torqued



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21. Install heat shield between the tank and the exhaust. With a 9/16 socket drive two self-tapping screws through the heat shield into the locations shown



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22. Make sure heat shield isn't touching the exhaust. Bend as necessary.

**Complete**





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### **END OF TASK**

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