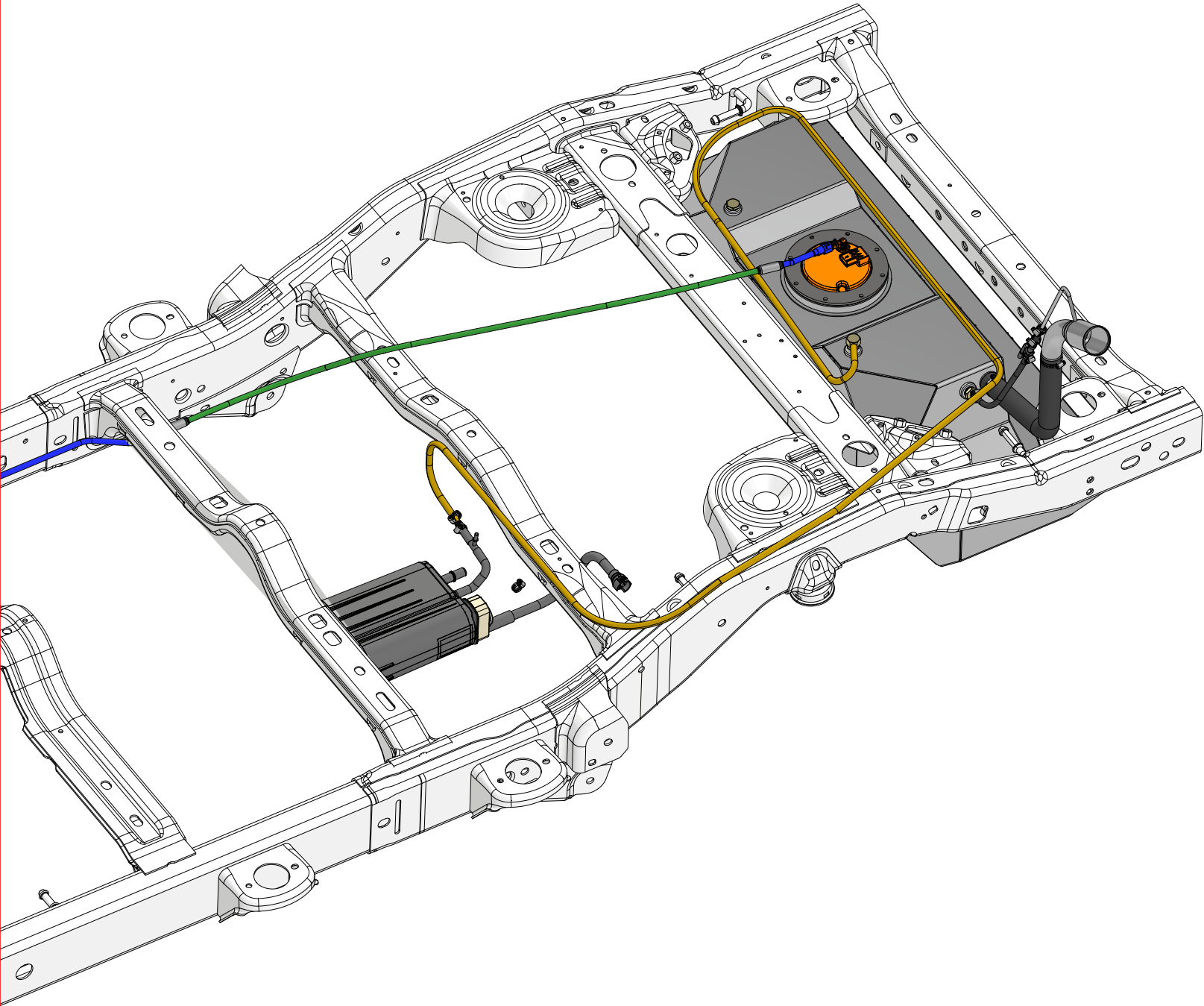
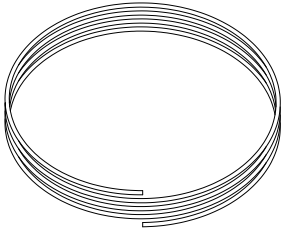
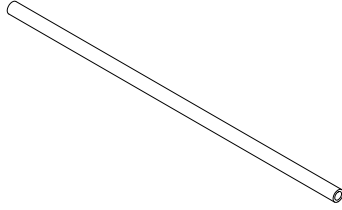
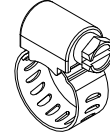
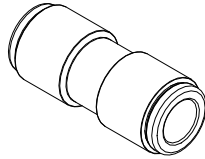
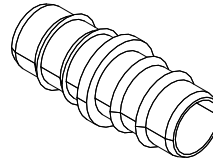
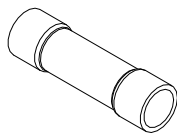
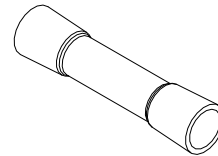


**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****2012-2018 Jeep JKU Fuel Line & EVAP Modification**

These instructions are compatible with Jeep JKU 2012 thru 2018 with that factory year of EVAP Canister & factory EVAP hoses. These instructions show you how to make modifications to your EVAP, fuel lines & 12 volt electrical to be compatible with our MB5032 Jeep JKU Rear Aluminum Tank System or similar aftermarket fuel tank.



**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****CONTENTS****3/8" Nylon Fuel Line  
Qty 5 ft****3/8" Rubber Fuel Line  
Qty 12 ft****Hose Clamp, 3/8"  
Qty 6****Push Connect Union  
Qty 2****Barbed Splice  
Qty 1****Fuel Pump Extension Wire  
12 Ga, 4 ft  
Qty 2****Fuel Sender Extension Wire  
16 Ga, 4 ft  
Qty 2****Electrical Butt Connector  
12 Ga to 10 Ga  
Qty 4****Electrical Butt Connector  
16 Ga to 14 Ga  
Qty 4**

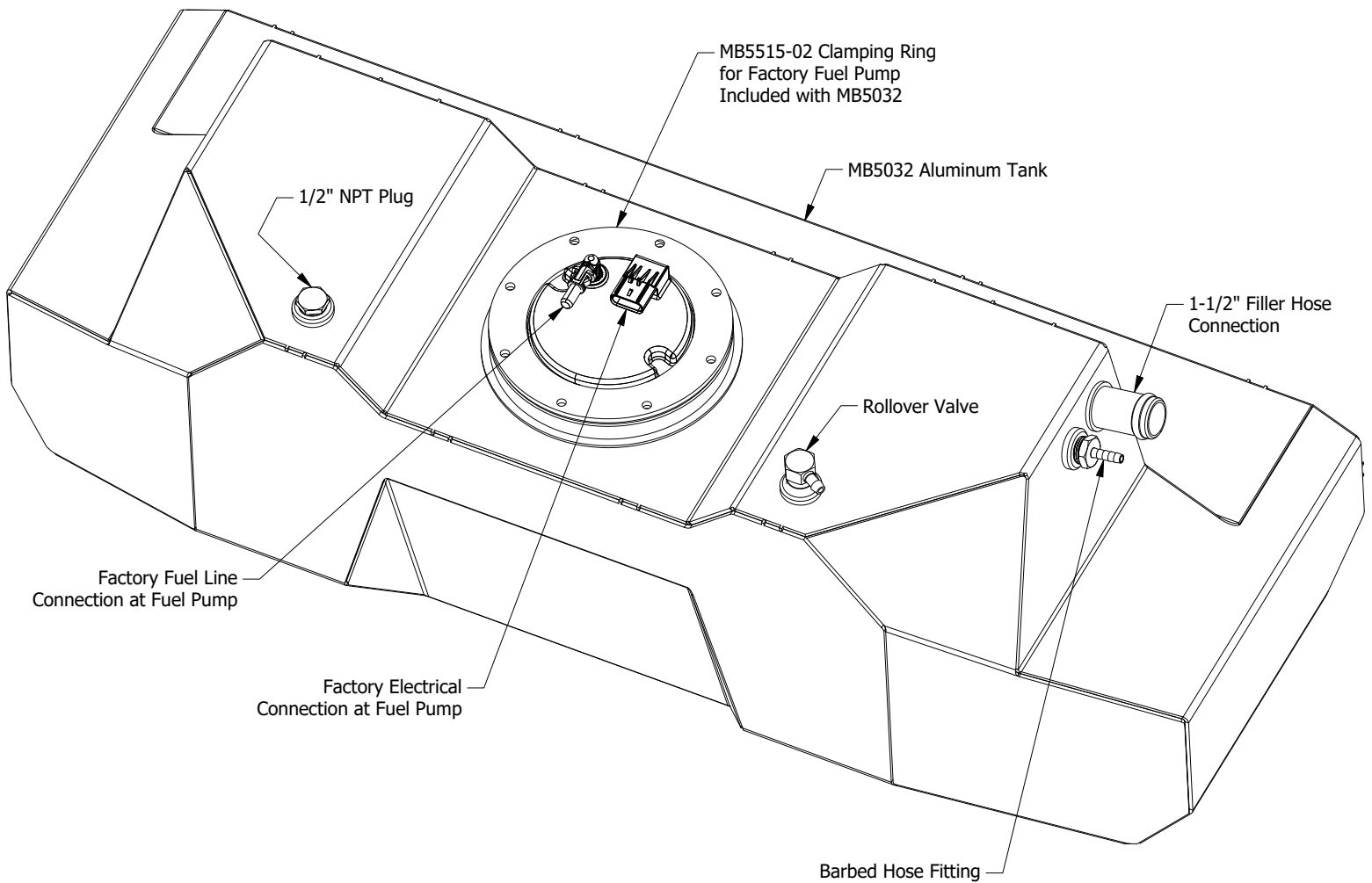
**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

**STEP 1**

1. Disconnect negative battery terminal.
2. Identify new tank connections. See below for MB5032 Tank Connections. If using a different tank, identify similar connections & components needed before proceeding.

**MB5032 Jeep JKU Rear Aluminum Tank**

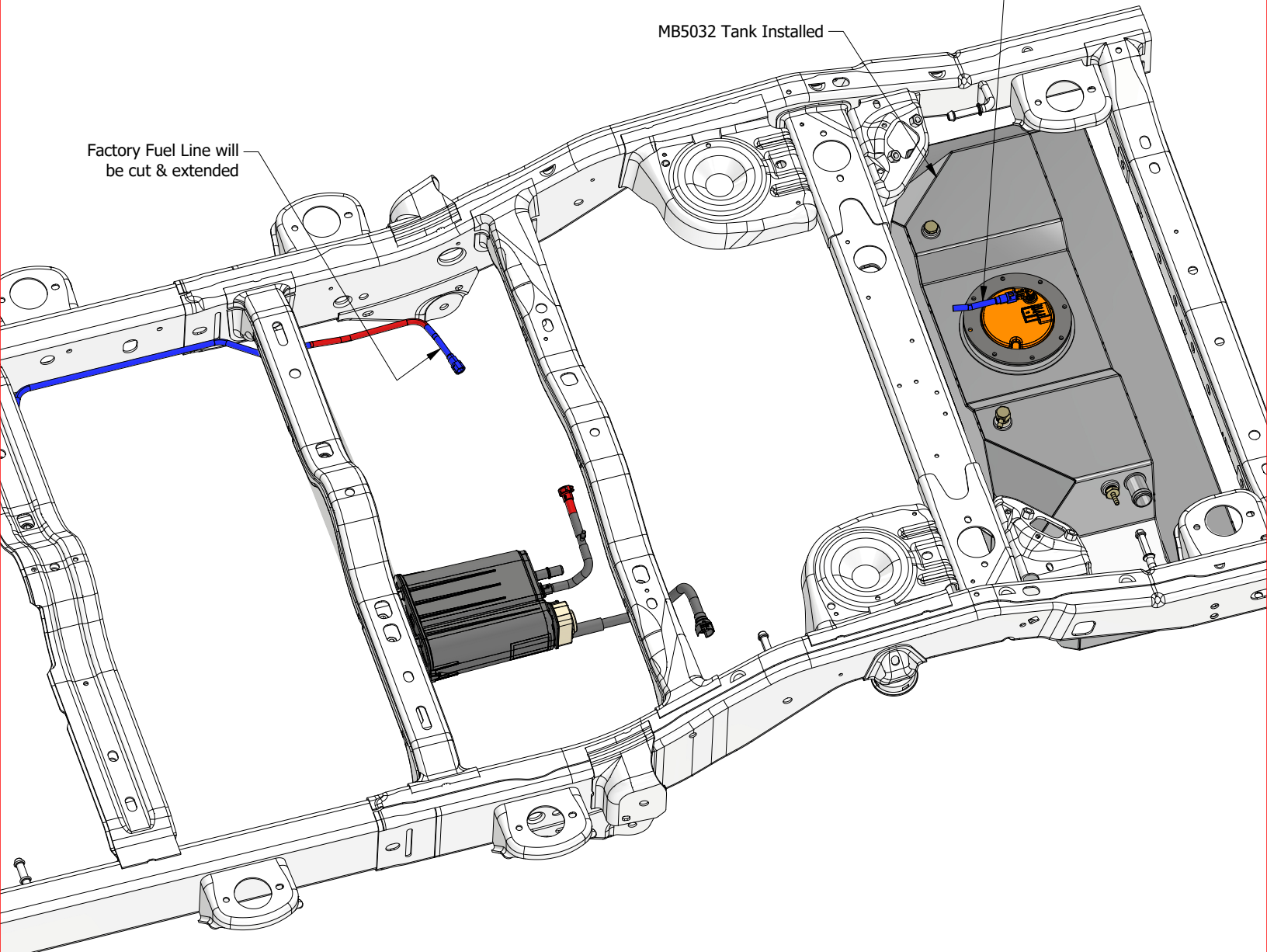
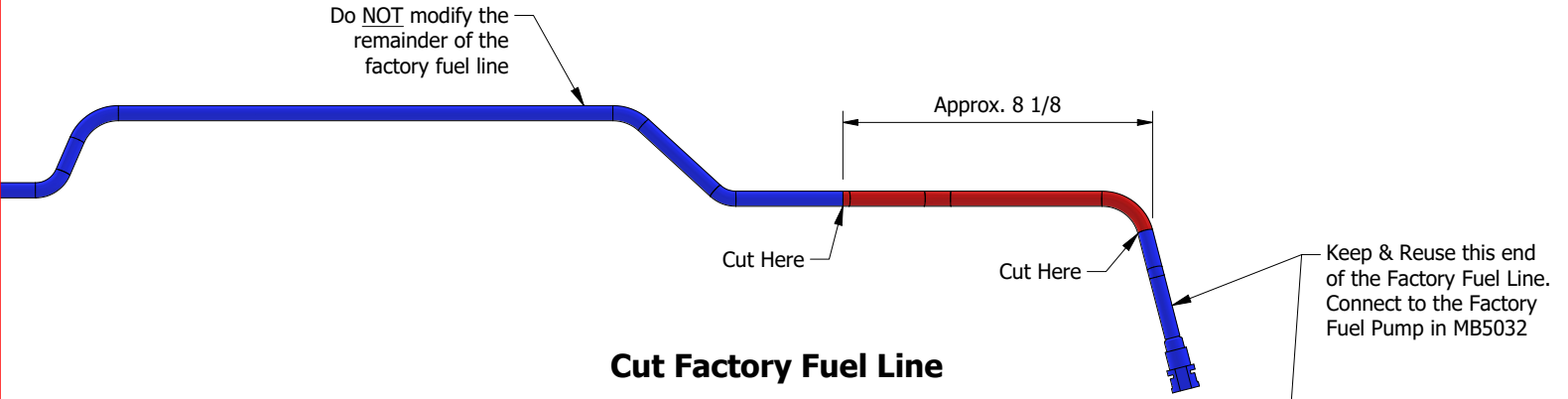
If you have purchased our MB5032 tank kit, install the tank & skid using the assembly instructions provided on our website. After the tank has been installed, you will connect the MB5034 Fuel Line & EVAP Modification kit with the components below.

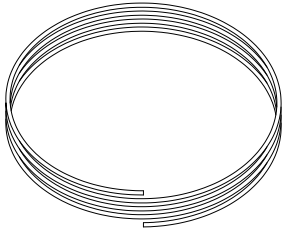


All of these components are included with the MB5032 Tank kit. You can use a different fuel tank other than shown. If you have a different aftermarket or custom rear fuel tank, you can still use these instructions to make similar modifications to your fuel & EVAP system.

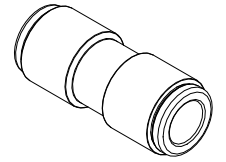
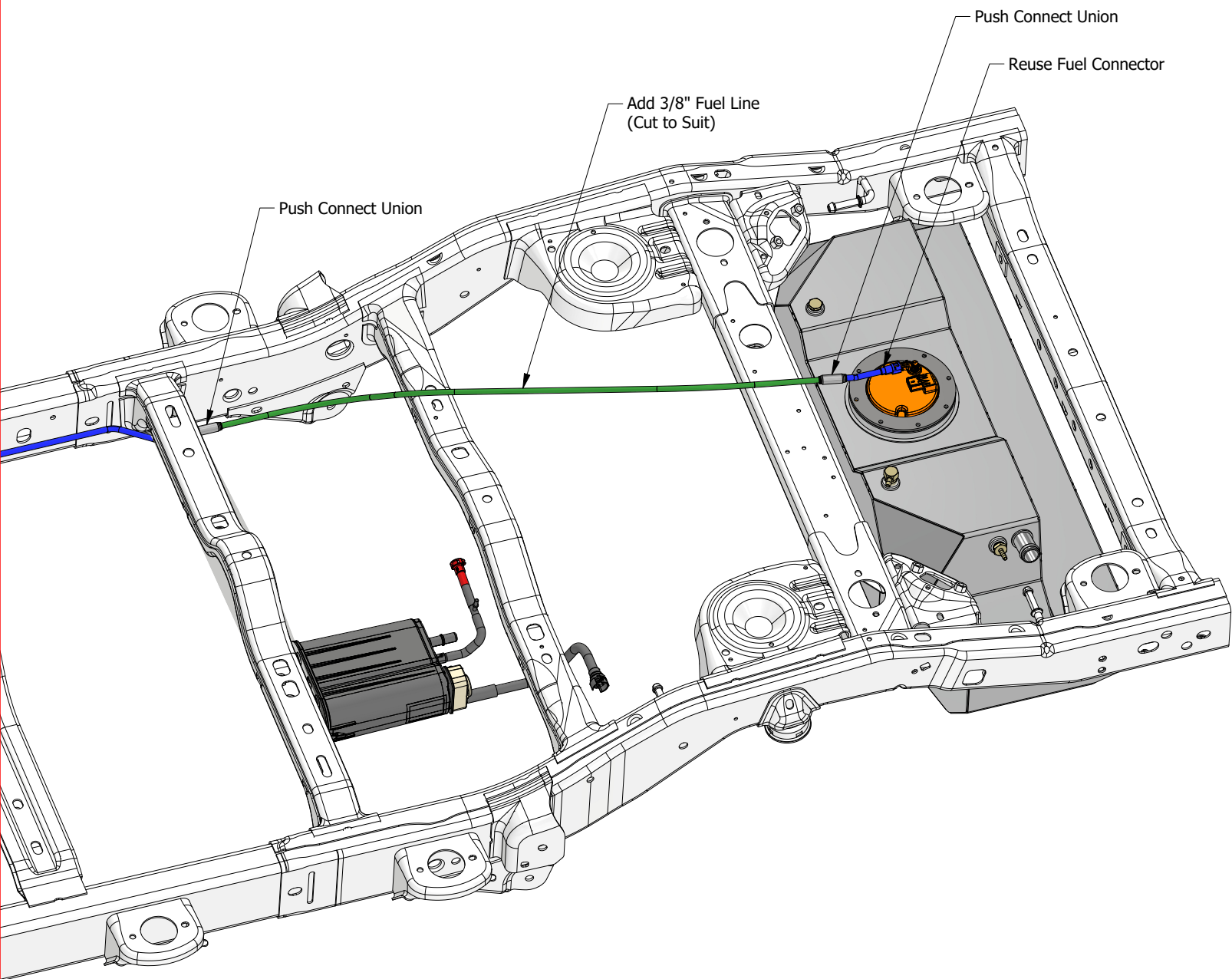
**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

**STEP 2  
CUT FACTORY FUEL LINE**



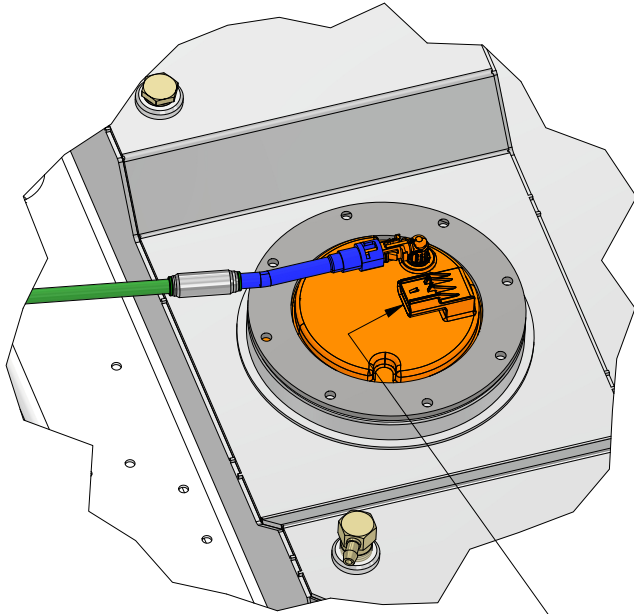
**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****STEP 3  
EXTEND FUEL LINE****3/8" Nylon Fuel Line  
Qty 5 ft**

Install a Push Connect Union at the Factory Fuel Line cut location. Connect 3/8" Fuel Line & route to the rear tank location. Cut 3/8" fuel line to suit. Install a Push Connect Union to join fuel line to Factory Pump. Secure fuel line to suit your routing.

**Push Connect Union  
Qty 2**

**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

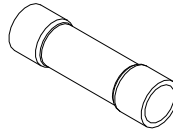
**STEP 4  
EXTEND ELECTRICAL TO FUEL PUMP**



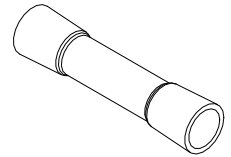
Extend factory wiring to fuel pump using the supplied wires & connectors

**Fuel Pump Extension Wire**  
12 Ga, 4 ft  
Qty 2

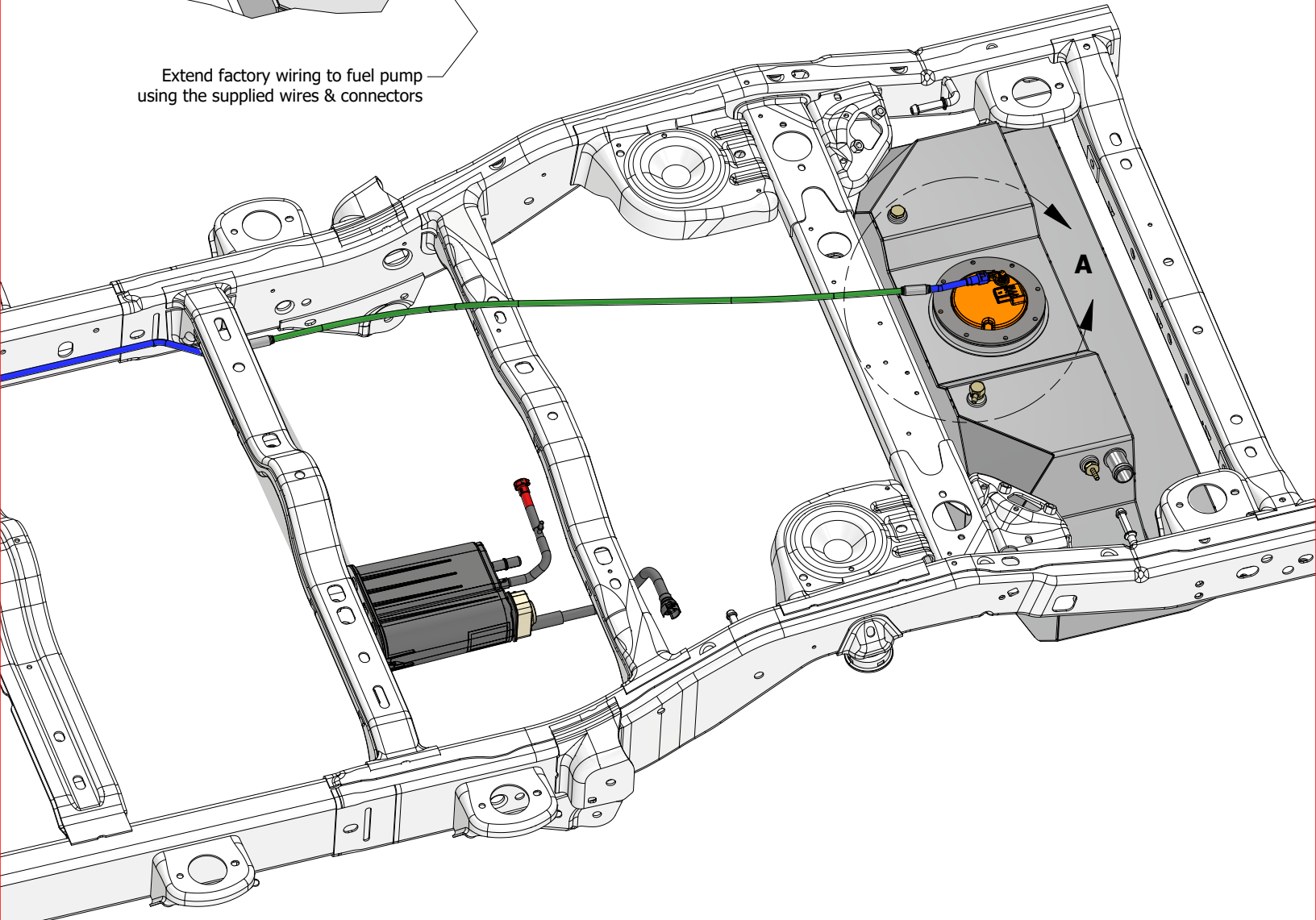
**Fuel Sender Extension Wire**  
16 Ga, 4 ft  
Qty 2



**Electrical Butt Connector**  
12 Ga to 10 Ga  
Qty 4

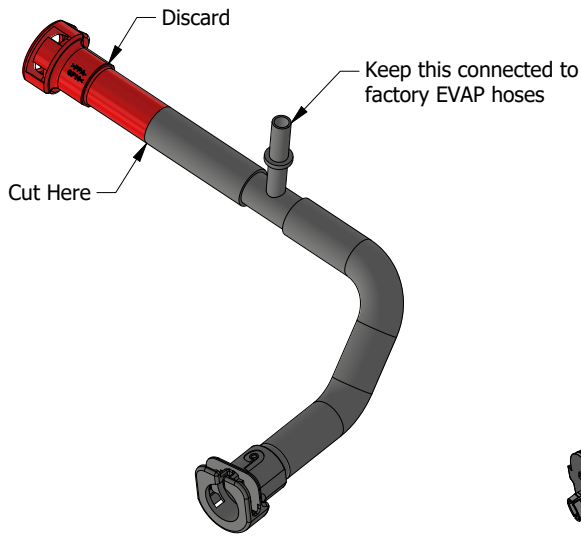


**Electrical Butt Connector**  
16 Ga to 14 Ga  
Qty 4

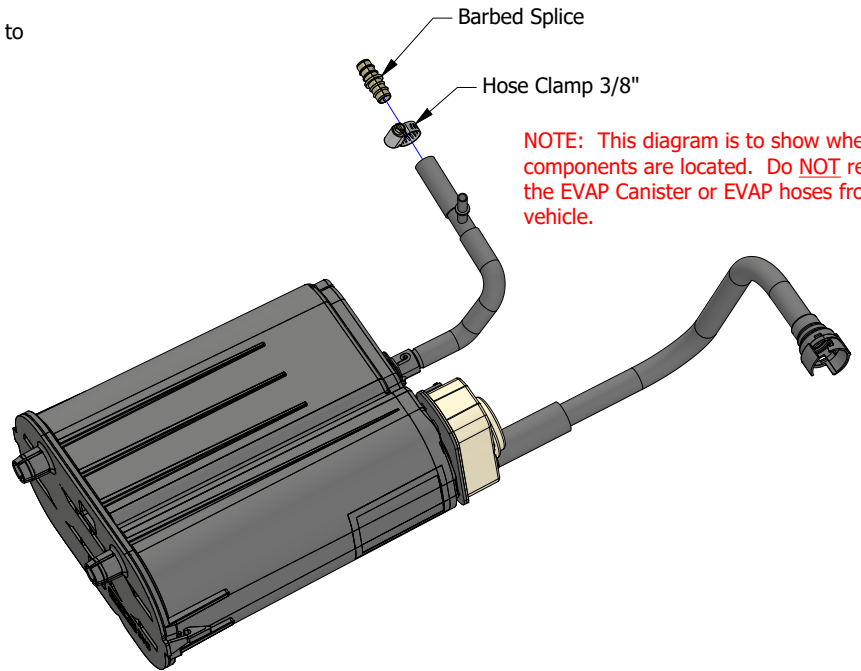


**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

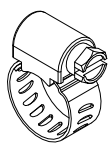
**STEP 5  
CUT EVAP HOSE & ADD BARBED SPLICE**



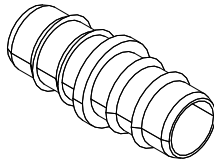
**Cut EVAP Hose**



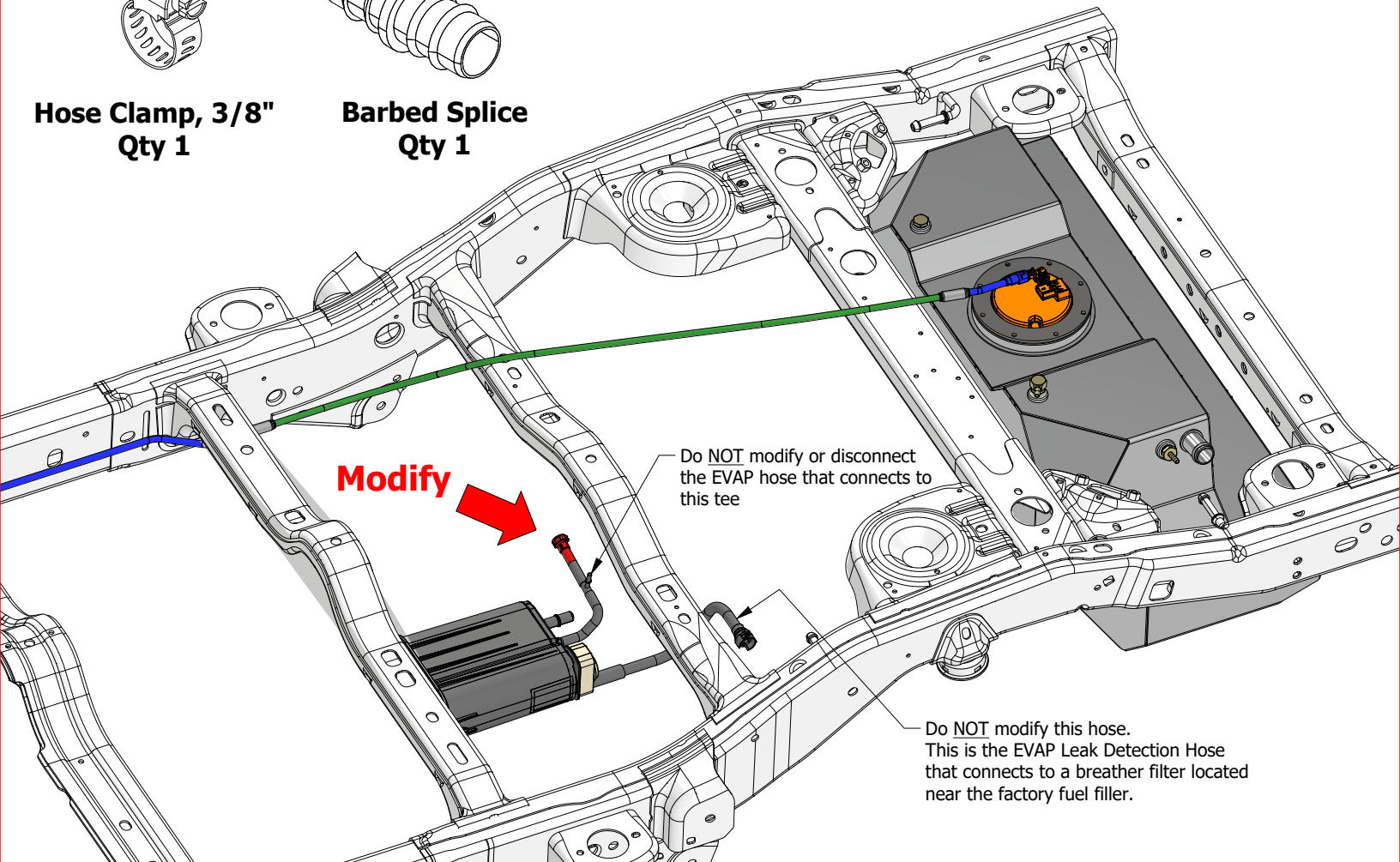
**NOTE:** This diagram is to show where components are located. Do **NOT** remove the EVAP Canister or EVAP hoses from the vehicle.



**Hose Clamp, 3/8"**  
Qty 1

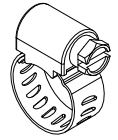
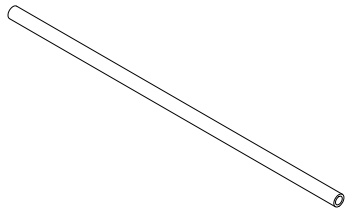
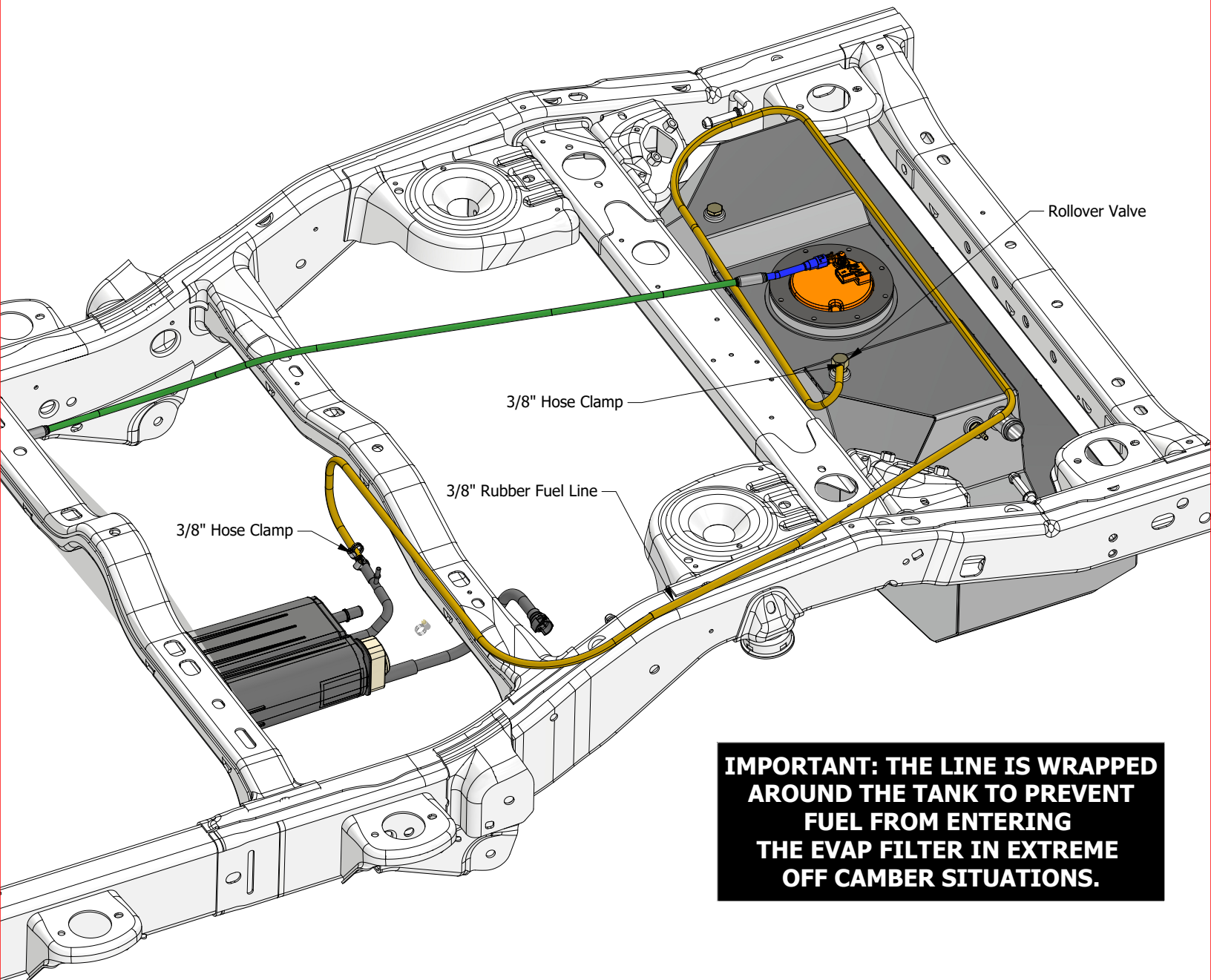


**Barbed Splice**  
Qty 1



**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****STEP 6  
ADD ROLLOVER VENT LINE**

Connect 3/8" Fuel Line to Barbed Splice. Install 3/8" Hose Clamp. Route 3/8" fuel line from EVAP hose to inner fender. Add a loop in the hose. This will provide an air loop for the rollover valve, allow expansion of fuel vapors & prevent fuel entering the EVAP canister. Connect 3/8" fuel line to Rollover valve on tank. Install 3/8" Hose Clamp.

**Hose Clamp, 3/8"**  
**Qty 2****3/8" Rubber Fuel Line**

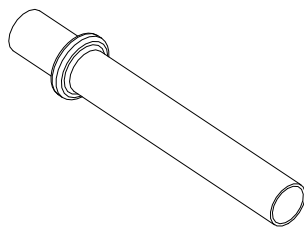
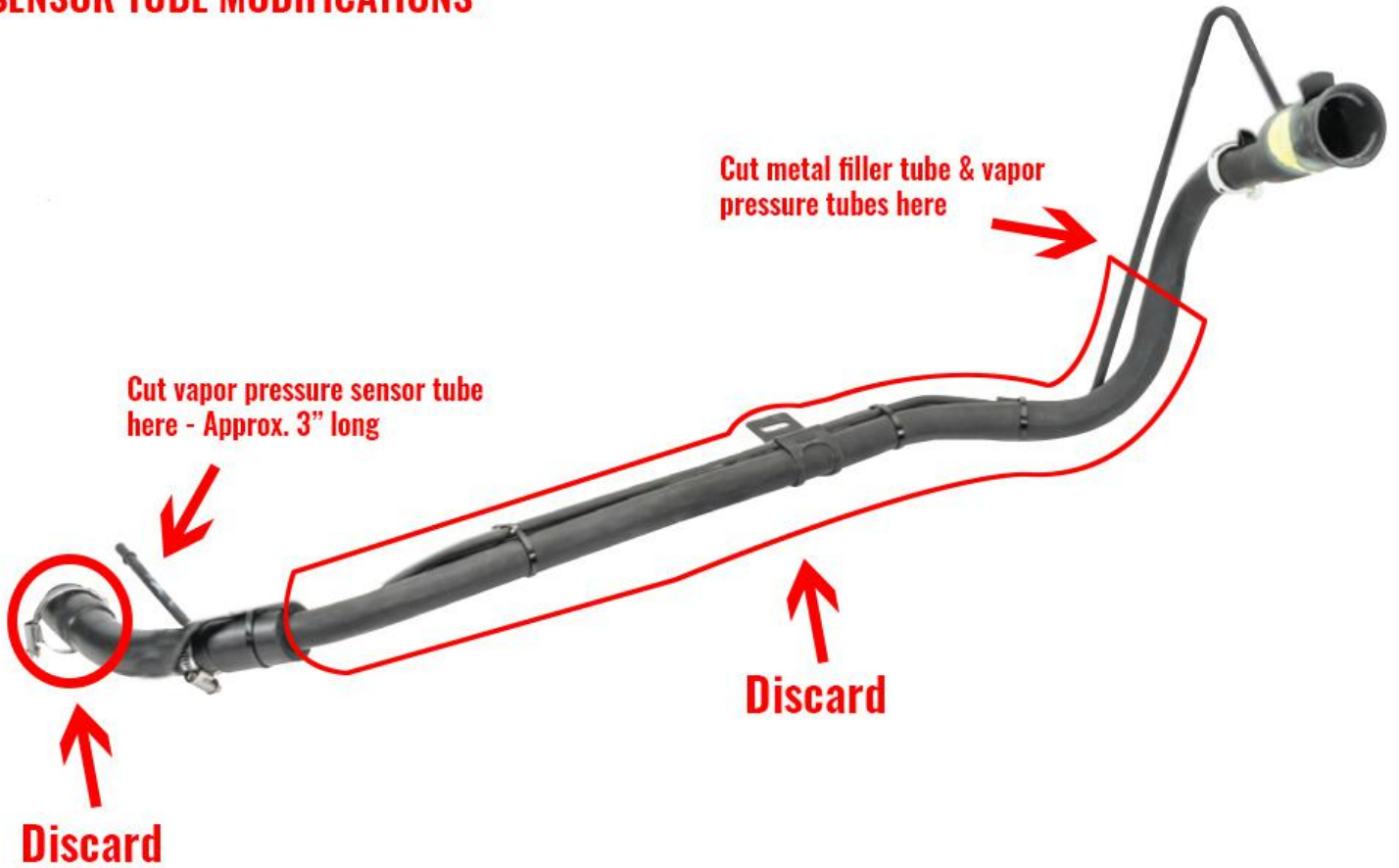
**IMPORTANT: THE LINE IS WRAPPED AROUND THE TANK TO PREVENT FUEL FROM ENTERING THE EVAP FILTER IN EXTREME OFF CAMBER SITUATIONS.**



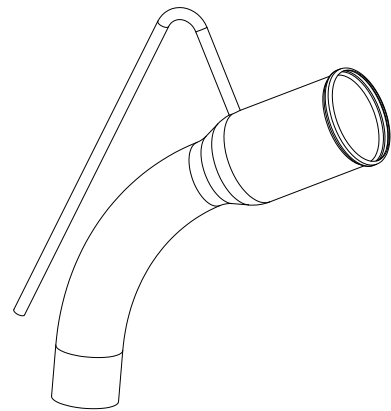
**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

**STEP 7  
MODIFY FILLER NECK**

**FUEL FILLER & VAPOR PRESSURE  
SENSOR TUBE MODIFICATIONS**



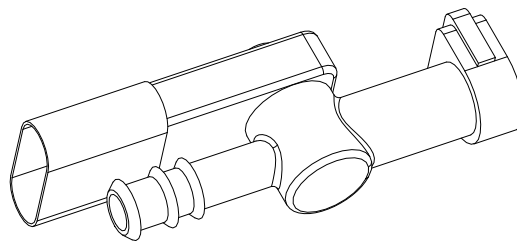
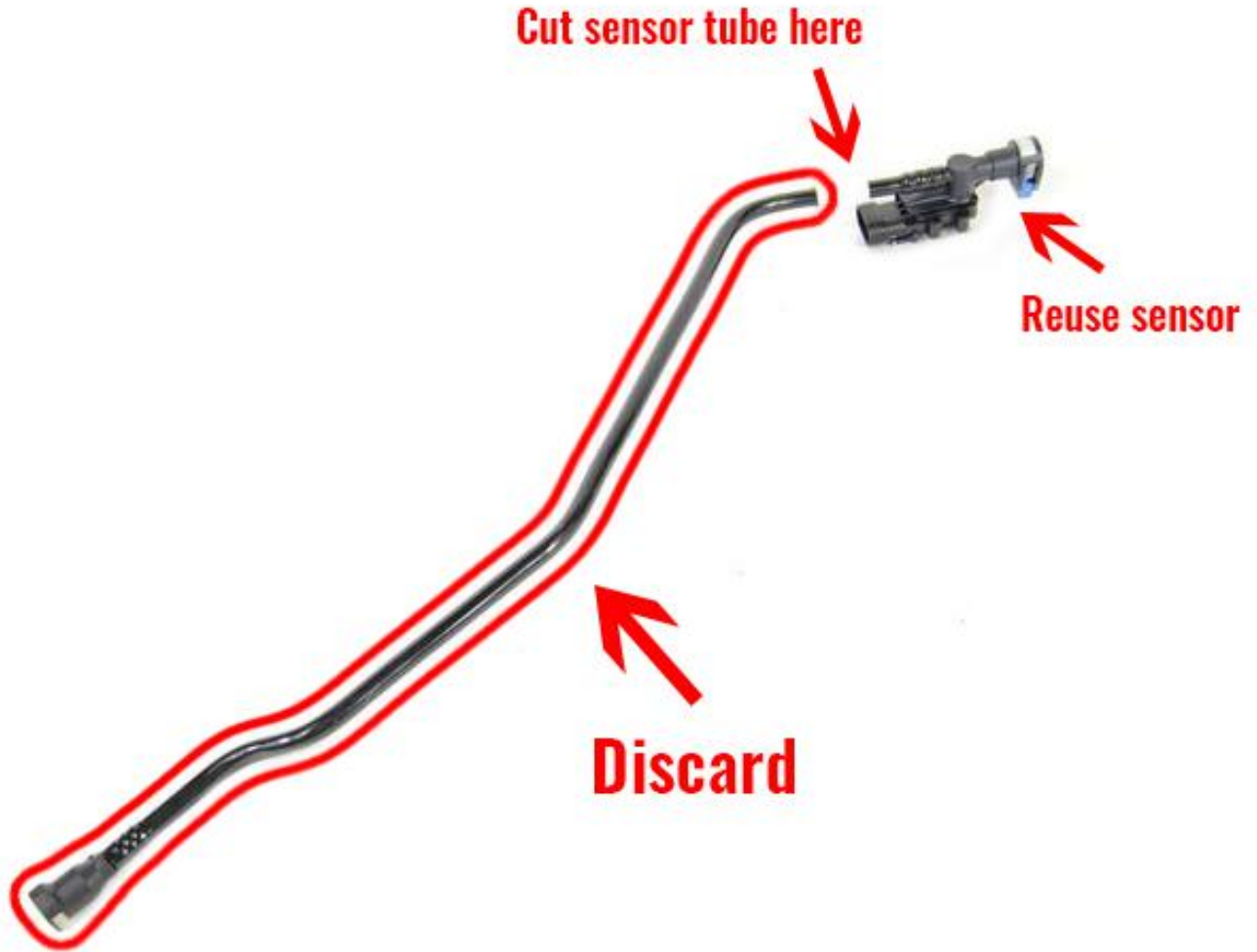
**Modified Vapor Pressure Sensor Tube**



**Modified Filler Neck**

**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

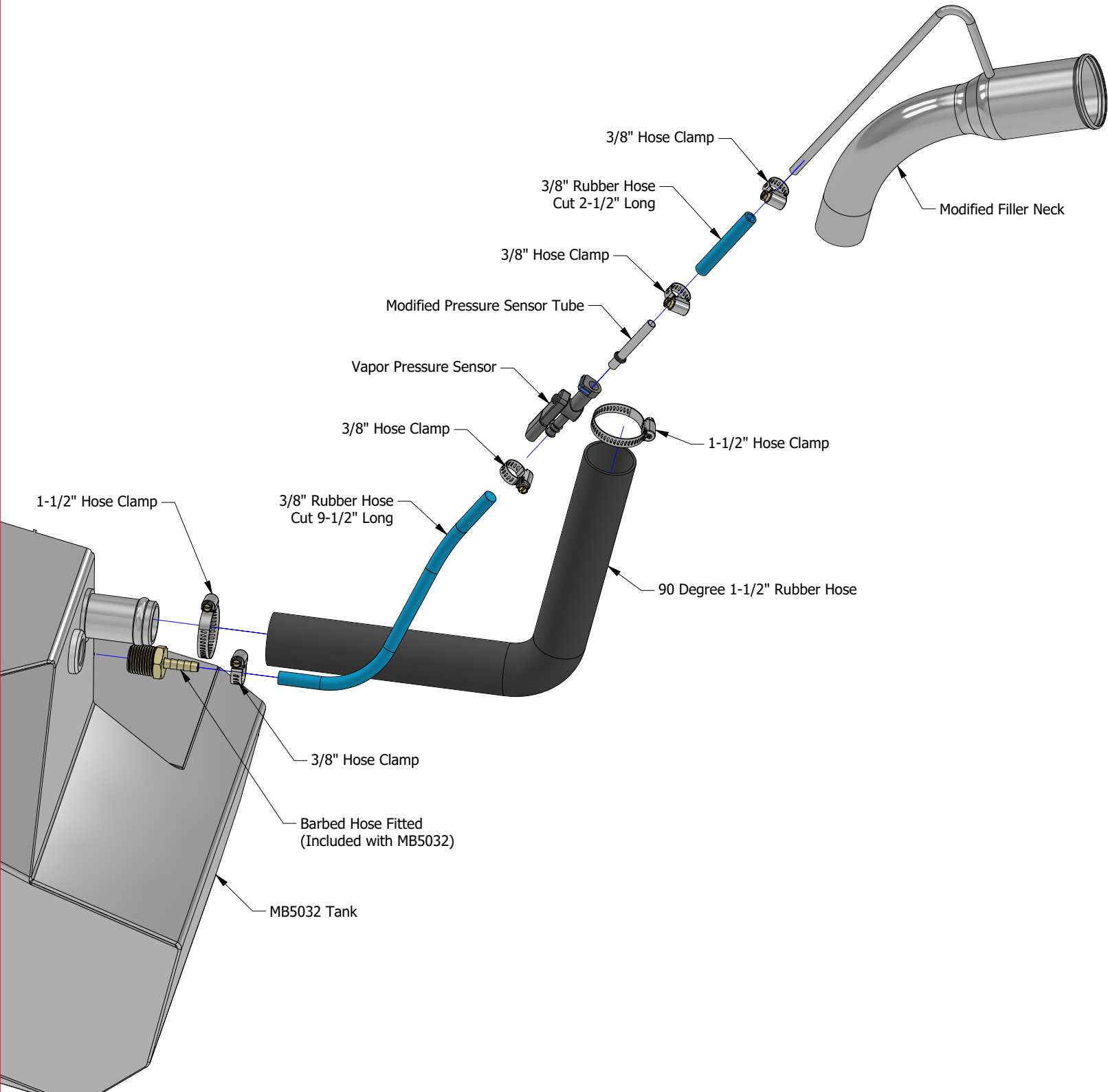
**STEP 8  
MODIFY VAPOR PRESSURE SENSOR & HOSE**

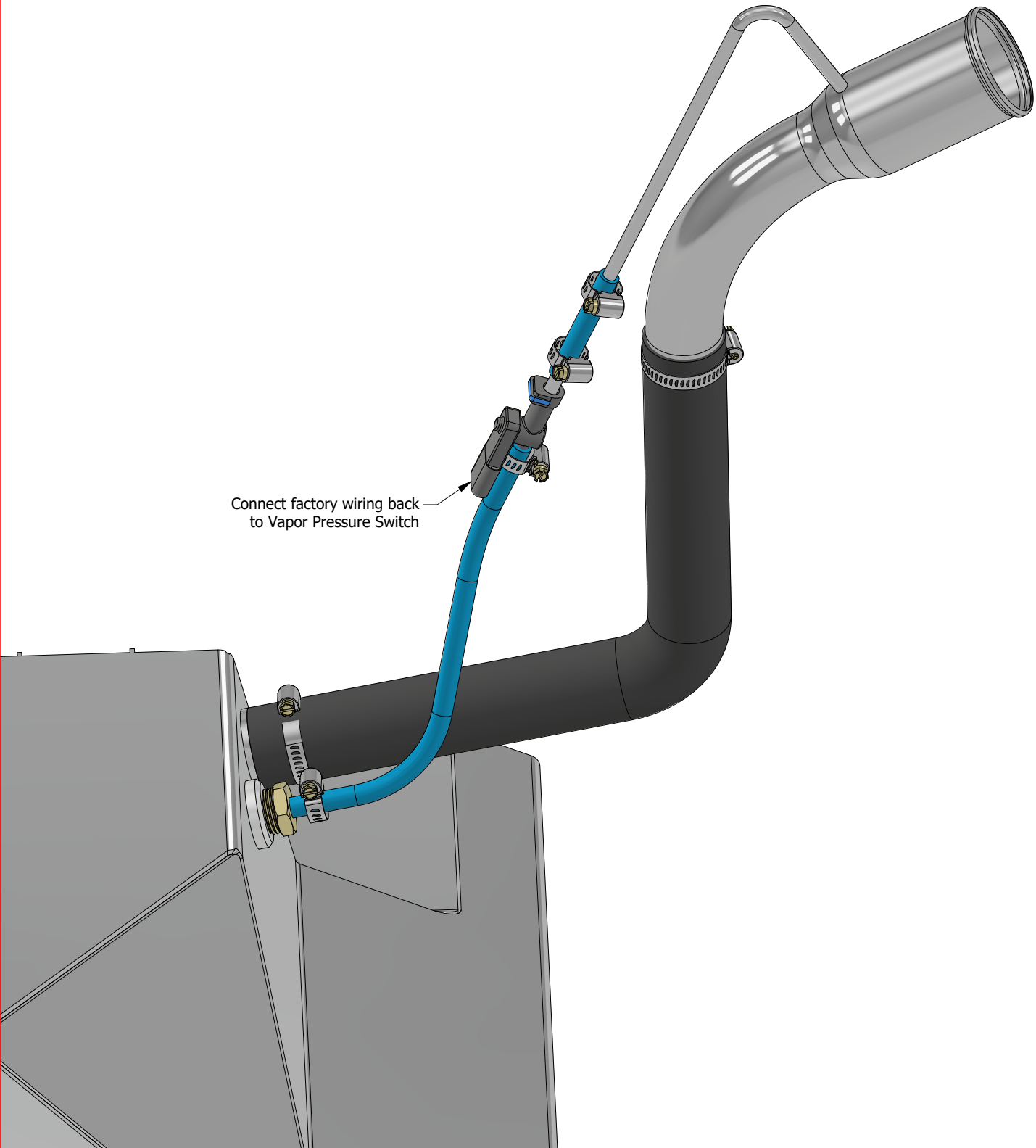


**Vapor Pressure Sensor**

**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification**

**STEP 9  
ASSEMBLE FILLER NECK**



**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****STEP 10  
CONNECT FACTORY WIRING TO VAPOR PRESSURE SWITCH**

**MB5035 - Assembly Instructions 2012-2018 JKU Fuel Line & EVAP Modification****STEP 10  
CHECK FOR LEAKS**

1. Install factory gas cap to filler neck.
2. Connect negative terminal to battery.
3. Turn ignition to first click so the fuel pump gets 12 volt power. This should pressurize the fuel system. If fuel system is not pressurizing, check your extended 12 volt electrical connections to the fuel pump.
4. After fuel system is pressurizing, check for fuel leaks.
5. After no fuel leaks are confirmed, start the engine.
6. Check for vapor pressure leaks & diagnostic codes. If vapor pressure leaks are detected, first confirm the gas cap is properly sealed, there is fuel in gas tank & that all hose clamps are tightened.

If a DTC engine code is displayed, connect an OBD-II reader to the vehicle & read the DTC code number(s) to pinpoint the exact type of leak detected.