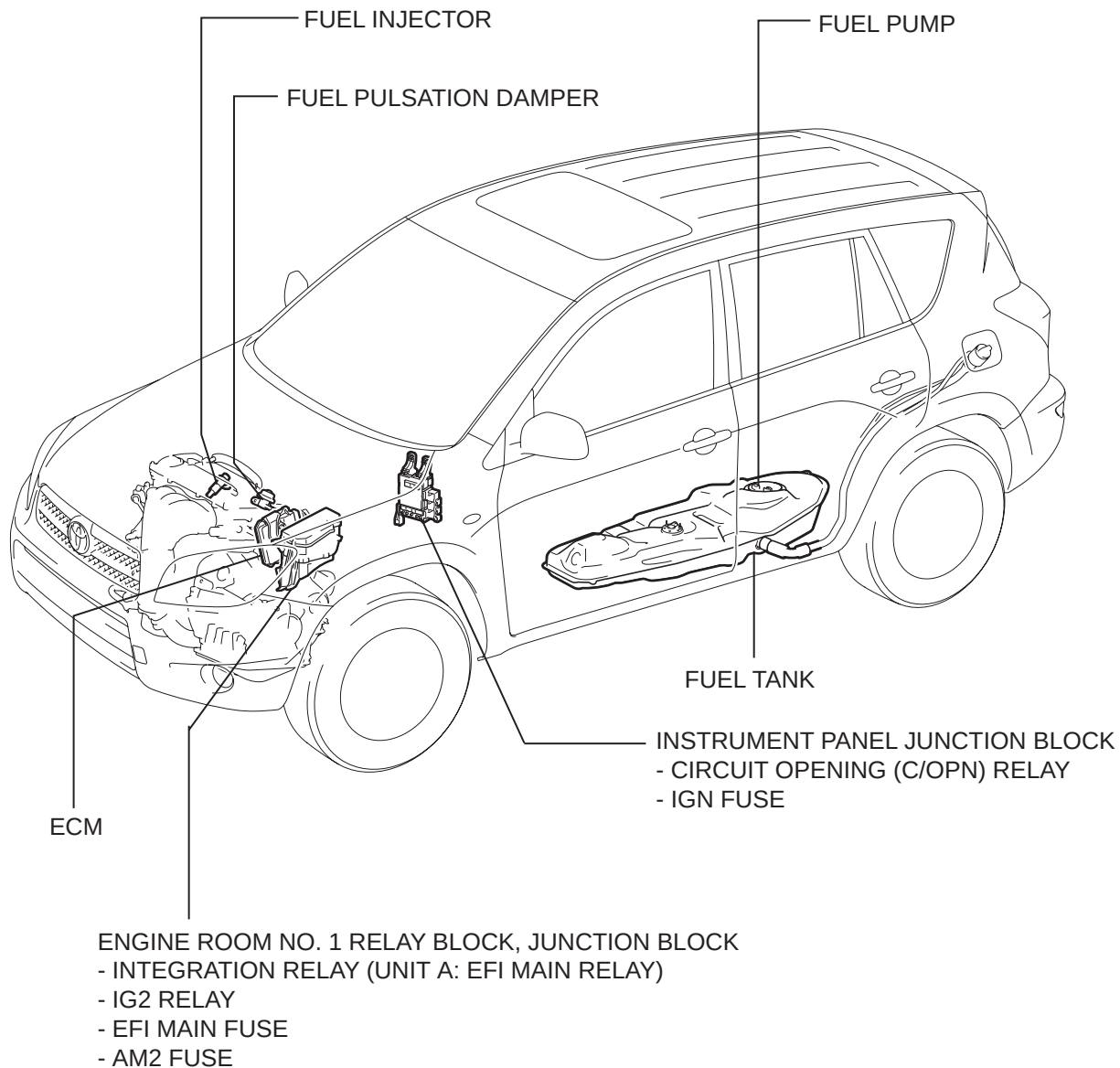
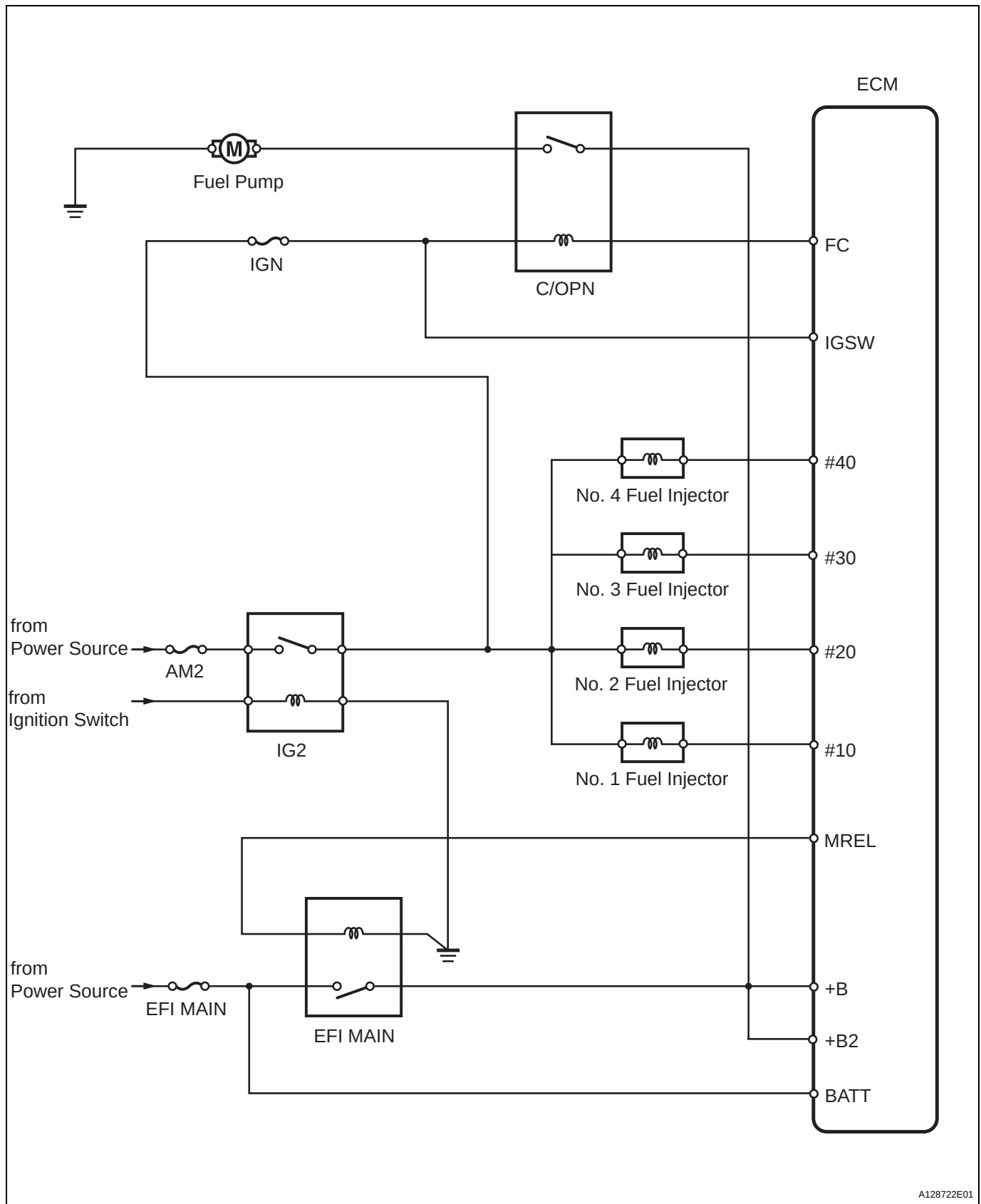


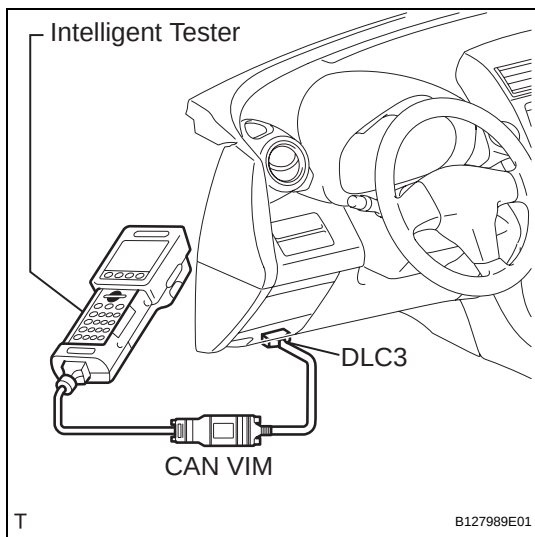
PARTS LOCATION



SYSTEM DIAGRAM



FU



ON-VEHICLE INSPECTION

1. CHECK FUEL PUMP OPERATION

- Connect the intelligent tester to the DLC3.
- Turn the ignition switch ON. Do not start the engine.
- Select the following tester menus: DIAGNOSIS, ENHANCED OBD II, ACTIVE TEST and FUEL PUMP/SPD. Operate the fuel pump.
- Touch the fuel hose in the engine compartment to check the fuel flow, and you will be able to hear the sound of the fuel pump.
- Stop the fuel pump.
If there is no fuel flow, the fuel pump may not operate. Check the fuel pump circuit (see page [FU-33](#)).

2. CHECK FUEL PRESSURE

- Check that the battery positive voltage is above 12 V.
- Discharge the fuel system pressure (see page [FU-9](#)).
- Disconnect the cable from the negative (-) battery terminal.
- Disconnect the fuel main tube (see page [FU-10](#)).
- Install SST (pressure gauge) as shown in the illustration.
- Wipe off any gasoline.
- Reconnect the cable to the negative (-) battery terminal.
- Start the engine.
- Measure the fuel pressure at idle.

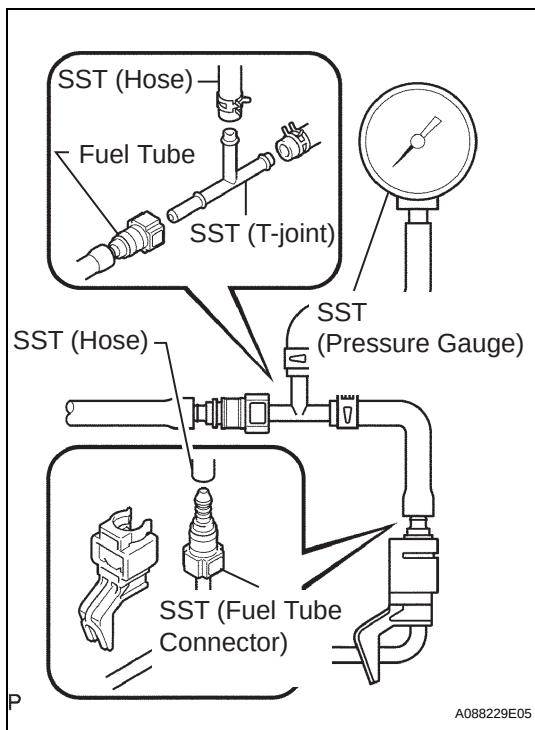
SST 09268-31011 (95336-08070, 90467-13001, 09268-41500), 09268-45014 (09268-41200, 09268-41220, 09268-41250)

Fuel pressure:

304 to 343 kPa (3.1 to 3.5 kgf/cm², 44 to 50 psi)

If the pressure is not as specified, check the fuel pump and injectors.

- After checking the fuel pressure, disconnect the cable from the negative (-) battery terminal and carefully remove SST and the fuel tube connector to prevent fuel from spilling.
- Reconnect the fuel main tube (see page [FU-14](#)).
- Check for fuel leaks (see page [FU-14](#)).



REMOVAL

1. DISCHARGE FUEL SYSTEM PRESSURE

CAUTION:

- **DISCHARGE FUEL SYSTEM PRESSURE** procedures must be performed before disconnecting any part of the fuel system.
- After performing the **DISCHARGE FUEL SYSTEM PRESSURE** procedures, pressure will remain in the fuel line. When disconnecting the fuel line, place a cloth or equivalent over fittings to reduce the risk of fuel spray.

(a) Remove the console box (see page [IR-83](#)).

(b) Disconnect the connector.

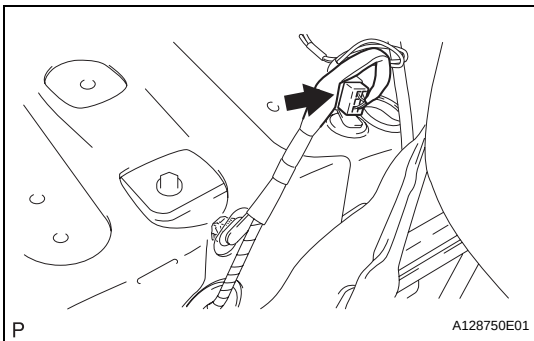
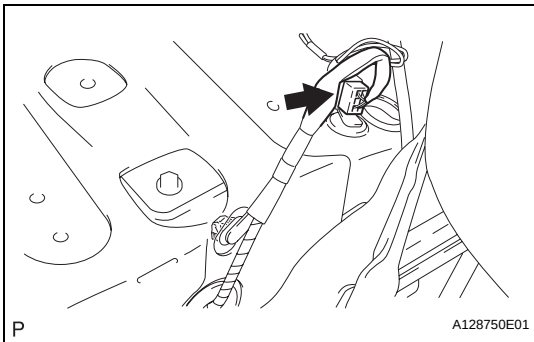
(c) Start the engine. After the engine has stopped, turn the ignition switch off.

HINT:

DTC P0171 (system too lean) may be set.

(d) Check that the engine does not start.

(e) Remove the fuel tank cap, and let the air out of the fuel tank.



(f) Connect the connector.

(g) Install the console box (see page [IR-90](#)).

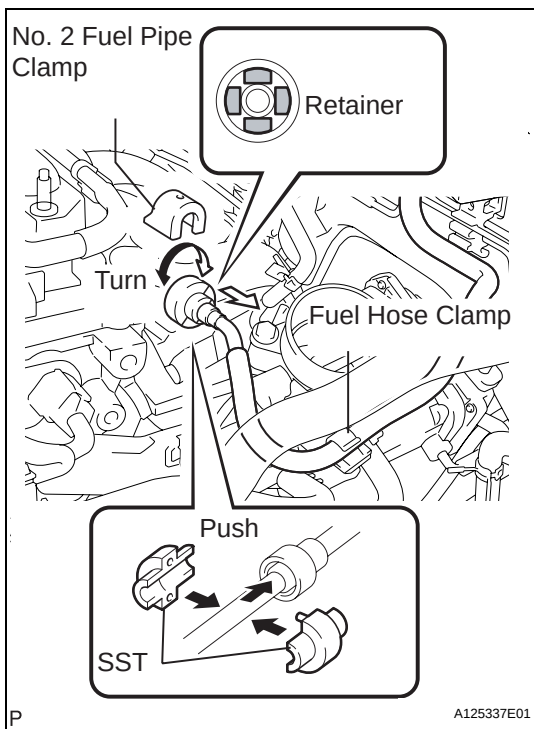
2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

3. REMOVE NO. 1 ENGINE COVER (See page [ES-410](#))

4. REMOVE AIR CLEANER CAP SUB-ASSEMBLY (See page [ES-411](#))



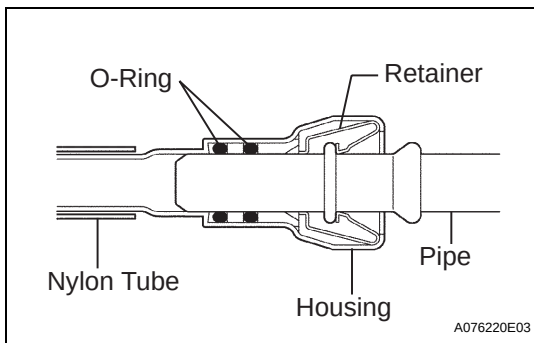
5. DISCONNECT FUEL MAIN TUBE

NOTICE:

Do not forcibly bend and twist the fuel main tube.

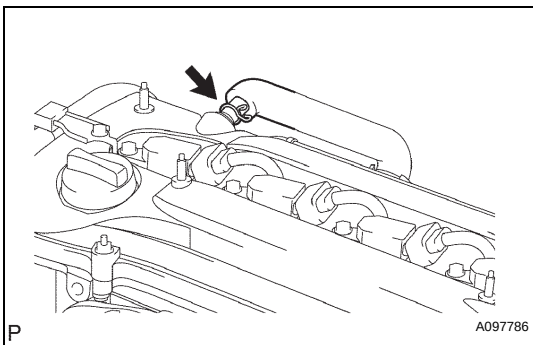
- Remove the fuel tube from the fuel hose clamp.
- Remove the fuel pipe clamp.
- Wipe off any dirt on the fuel tube connector.
- Hold the fuel tube connector, and then install SST. **SST 09268-21010**
- Turn SST to align the retainer inside the fuel tube connector with the chamfered part of SST.
- Insert SST into the fuel tube and hold it. Then push the fuel tube connector toward SST side.
- Mount the retainer of the fuel tube connector onto the chamfered part of SST.

- Slide SST and fuel tube connector together towards the fuel tube until they make a "click" sound, and then disconnect the fuel tube.
- Drain the fuel remaining inside the fuel tube.
- Cover the fuel tube and fuel pipe with a plastic bag to protect the disconnected part.



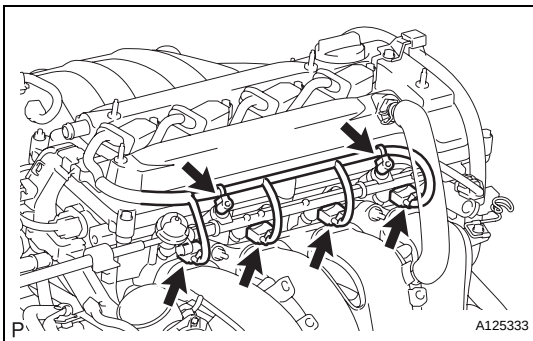
6. DISCONNECT NO. 2 VENTILATION HOSE

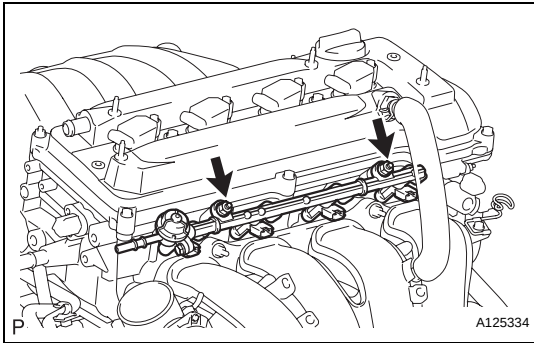
- Disconnect the No. 2 ventilation hose from the ventilation valve.



7. REMOVE FUEL DELIVERY PIPE SUB-ASSEMBLY

- Remove the 2 wire harness clamps.
- Disconnect the 4 fuel injector connectors.

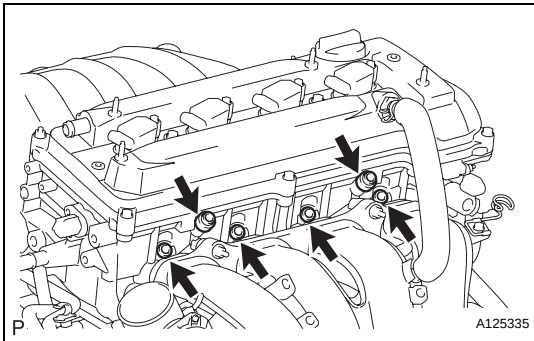




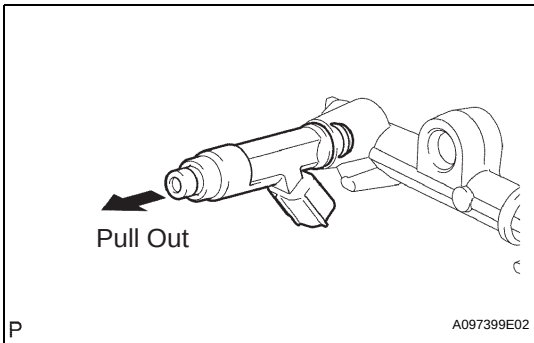
- (c) Remove the 2 bolts, then remove the fuel delivery pipe together with the 4 fuel injectors.

NOTICE:

Be careful not to drop the fuel injectors when removing the fuel delivery pipe.

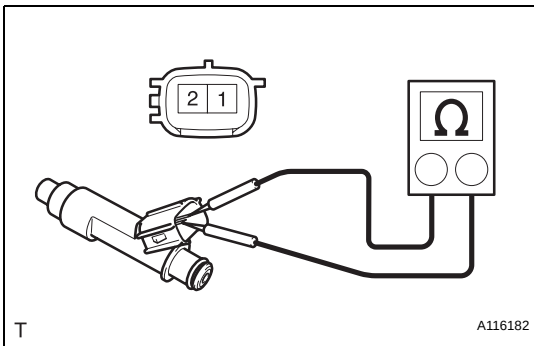


- (d) Remove the 2 delivery pipe spacers from the cylinder head.
(e) Remove the 4 insulators from the cylinder head.



8. REMOVE FUEL INJECTOR ASSEMBLY

- (a) Pull the 4 fuel injectors out of the fuel delivery pipe.



INSPECTION

1. INSPECT FUEL INJECTOR ASSEMBLY

- (a) Measure the resistance between the injector terminals.

Standard resistance:

11.6 to 12.4 Ω at 20°C (68°F)

If the result is not as specified, replace the injector.

- (b) Inspect the injector injection.

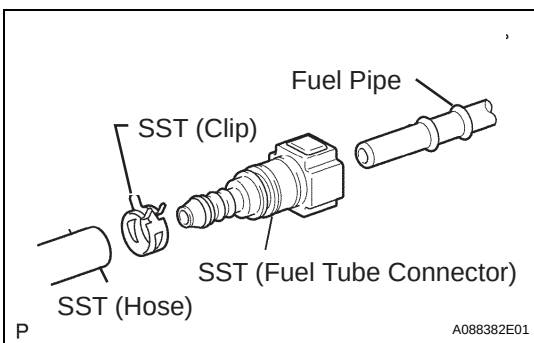
CAUTION:

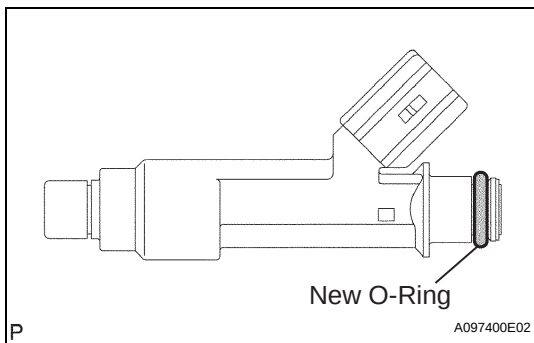
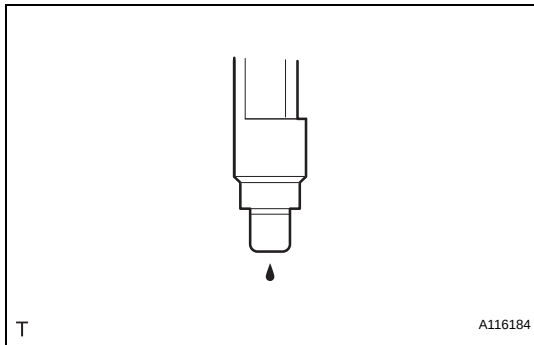
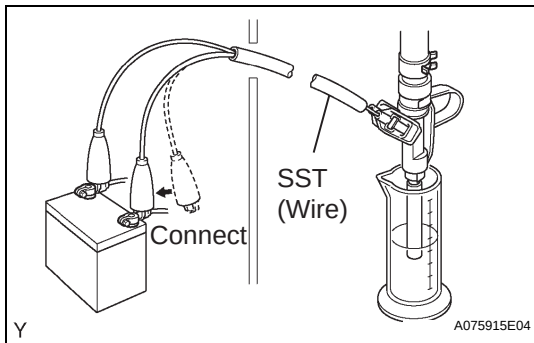
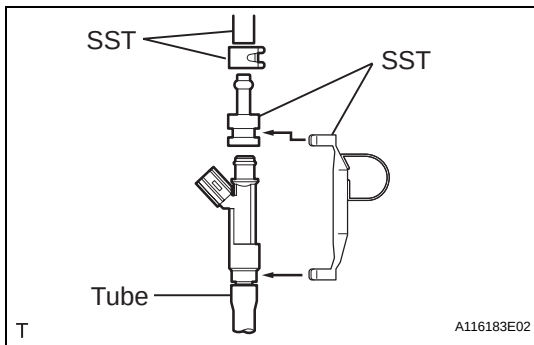
Keep the injector away from sparks during the test.

- (1) Connect SST (fuel tube connector) to SST (hose), then connect them to the fuel pipe (vehicle side).

SST 09268-31011 (09268-41500, 90467-13001, 95336-08070)

- (2) Install the O-ring to the fuel injector.



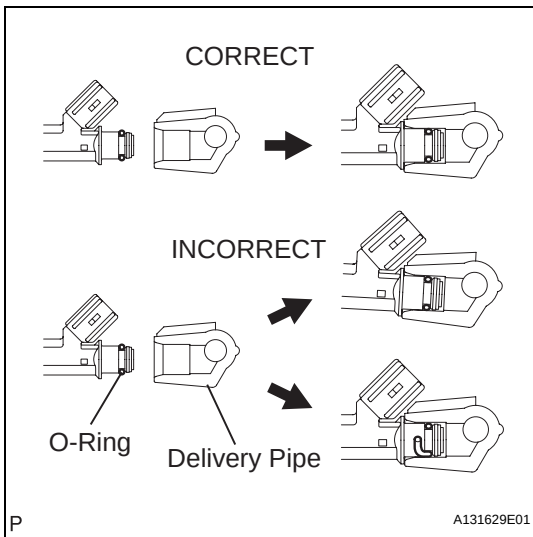


- (3) Connect SST (adapter and hose) to the injector, and hold the injector and union with SST (clamp).
SST 09268-31011 (09268-41110, 09268-41130, 09268-41310)
- (4) Put the injector into the graduated cylinder.
CAUTION:
Install a suitable vinyl tube onto the injector to contain gasoline spray.
- (5) Operate the fuel pump.
- (6) Connect SST (wire) to the injector and the battery for 15 seconds, and measure the injection volume with the graduated cylinder. Test each injector 2 or 3 times.
SST 09842-30080
Standard injection volume:
76 to 92 cm³ (4.6 to 5.6 cu in.) per 15 seconds
Standard difference between each injector:
16 cm³ (1.0 cu in.) or less
- (c) Inspect the fuel leakage.
 - (1) Disconnect the SST (wire) tester probes from the battery and check the fuel leakage from the injector.
Standard fuel drop:
1 drop or less per 12 minutes
 - (2) Turn the ignition switch OFF.
 - (3) Disconnect the cable from the negative (-) battery terminal.
 - (4) Remove SST.
SST 09842-30080
 - (5) Disconnect the intelligent tester from the DLC3.
 - (6) Reconnect the fuel inlet hose (rear fuel pipe) to the fuel main tube.

INSTALLATION

1. INSTALL FUEL INJECTOR ASSEMBLY

- (a) Apply a light coat of gasoline or spindle oil to new O-rings, then install one onto each fuel injector.

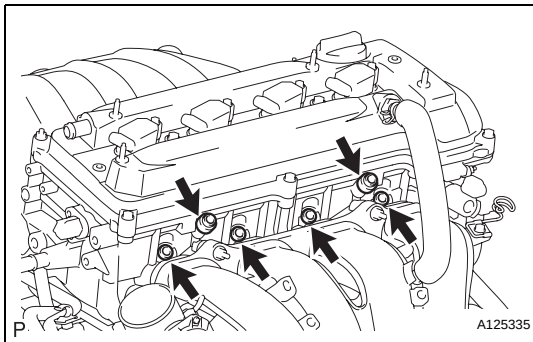


- (b) Apply a light coat of gasoline or spindle oil to the part of the fuel delivery pipe which comes into contact with the O-ring of the fuel injector.
- (c) Apply a light coat of gasoline or spindle oil to the O-ring again, then install the right and left fuel injectors onto the fuel delivery pipe.

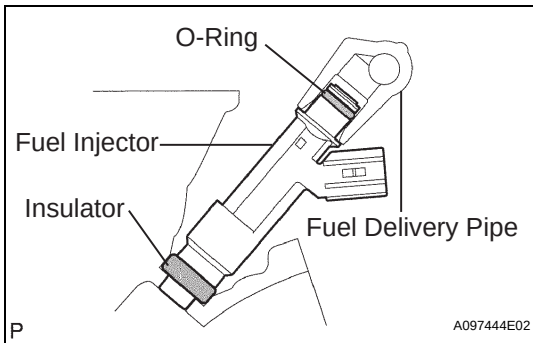
NOTICE:

Make sure that the O-ring is not cracked or jammed when installing.

- (d) Check that the fuel injector rotates smoothly. If the fuel injector does not rotate, replace the O-ring.

**2. INSTALL FUEL DELIVERY PIPE SUB-ASSEMBLY**

- (a) Install 4 new insulators into the cylinder head.
- (b) Install the 2 delivery pipe spacers onto the cylinder head.

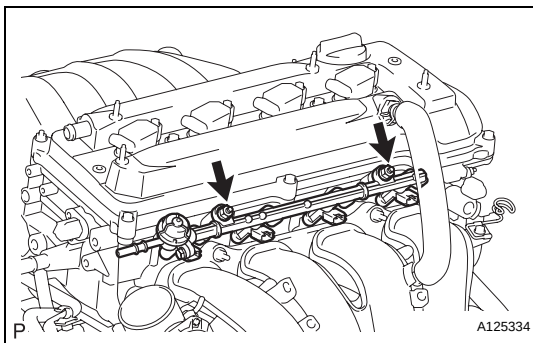


- (c) Install the fuel delivery pipe together with the 4 fuel injectors, then temporarily tighten the 2 bolts.

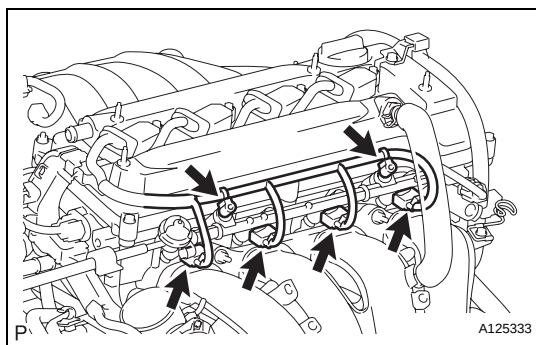
NOTICE:

Be careful not to drop the fuel injectors when installing the fuel delivery pipe.

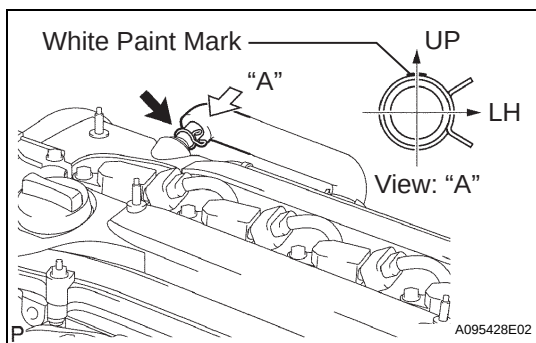
- (d) Check that the fuel injector rotates smoothly. If the fuel injector does not rotate, replace the O-ring.



- (e) Tighten the 2 bolts to the specified torque.
Torque: 20 N*m (205 kgf*cm, 15 ft.*lbf)



- (f) Connect the 4 fuel injector connectors.
- (g) Install the 2 wire harness clamps.



3. CONNECT NO. 2 VENTILATION HOSE

- (a) Connect the ventilation hose to the ventilation valve.

NOTICE:

Make sure that the paint mark and hose clamp are at the correct angle when installing the hose.

4. CONNECT FUEL MAIN TUBE

- (a) Connect the fuel main tube.
- (b) Push the fuel tube connector until it makes a "click" sound.
- (c) Install the fuel pipe clamp.
- (d) Install the fuel tube to the fuel hose clamp.

5. INSTALL AIR CLEANER CAP SUB-ASSEMBLY (See page [ES-413](#))

6. INSTALL NO. 1 ENGINE COVER (See page [ES-414](#))

7. CONNECT CABLE TO BATTERY NEGATIVE TERMINAL

8. CHECK FOR FUEL LEAKAGE

- (a) Make sure that there are no fuel leaks after performing maintenance on the fuel system.
 - (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch ON, and push the intelligent tester main switch ON.

NOTICE:

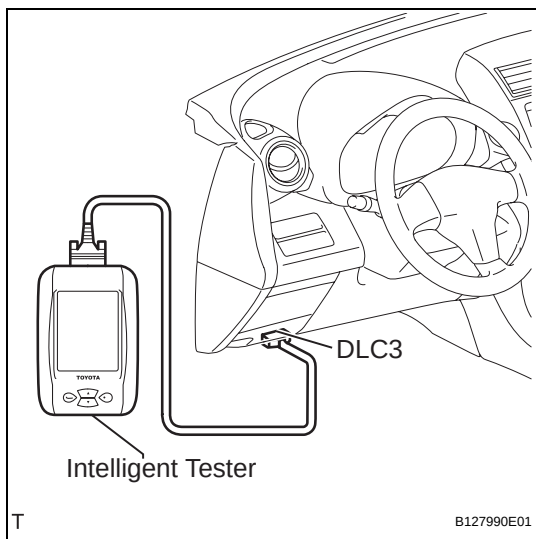
Do not start the engine.

- (3) Select the Active Test mode on the intelligent tester.

HINT:

Refer to the intelligent tester operator's manual for further details.

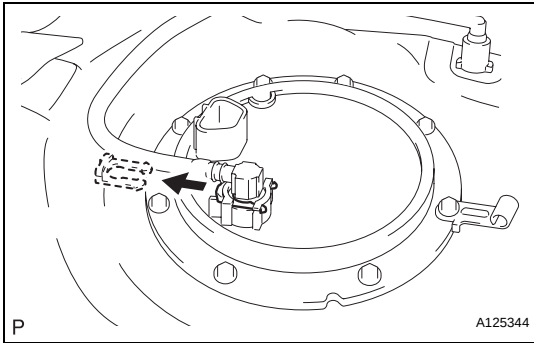
- (4) Check that there are no leaks from the fuel system.
- (5) Turn the ignition switch OFF.
- (6) Disconnect the intelligent tester from the DLC3.



REMOVAL

1. REMOVE FUEL TANK ASSEMBLY

- (a) Remove the fuel tank (see page [FU-39](#)).



2. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Remove the joint clip and fuel tank main tube.

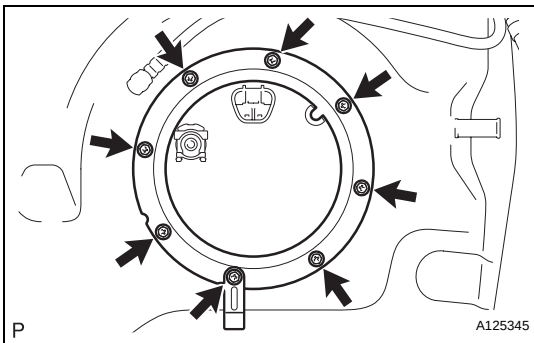
CAUTION:

- Before removing the tube joint clip, check for foreign matter around the clip. Clean if necessary.
- Keep the O-ring free of foreign matter, as it becomes contaminated easily.
- Do not use any tools in this procedure.
- Do not forcefully bend or twist the tube.
- Put the tube in a plastic bag to prevent damage and contamination.
- If the fuel suction plate and tube are stuck together, pinch the tube and turn it carefully to disconnect it.
- Be careful not to damage the clip. If the clip is damaged, replace it.

FU

3. REMOVE FUEL TANK VENT TUBE SET PLATE

- (a) Remove the 8 bolts and set plate.

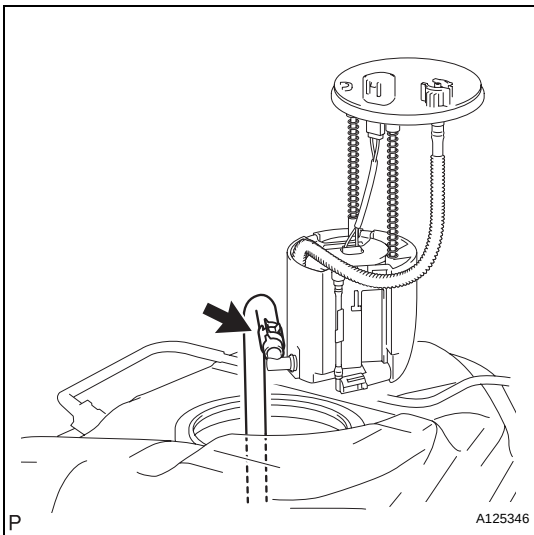


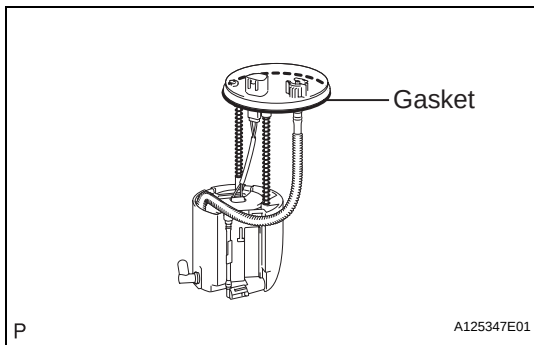
4. REMOVE FUEL SUCTION WITH PUMP ASSEMBLY

- (a) Disconnect the fuel hose and remove the fuel pump from the fuel tank.

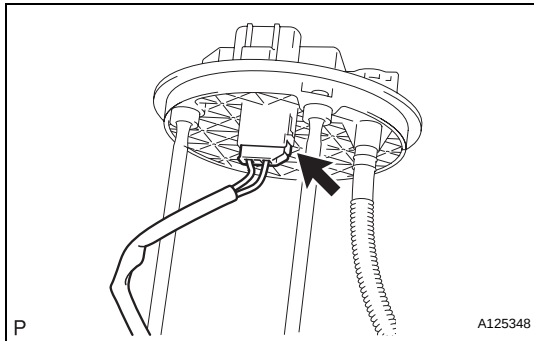
NOTICE:

Do not damage the fuel pump.



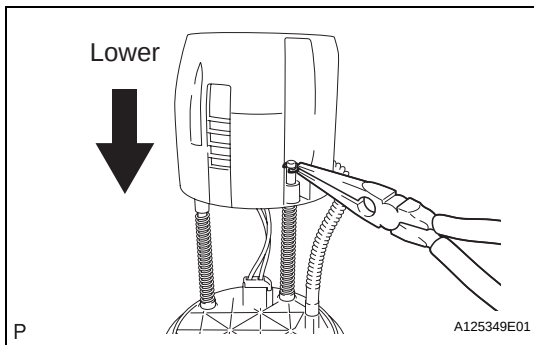


(b) Remove the gasket from the fuel pump.

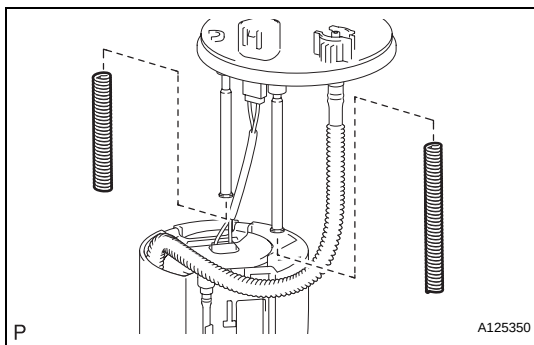


5. REMOVE FUEL SUB-TANK ASSEMBLY

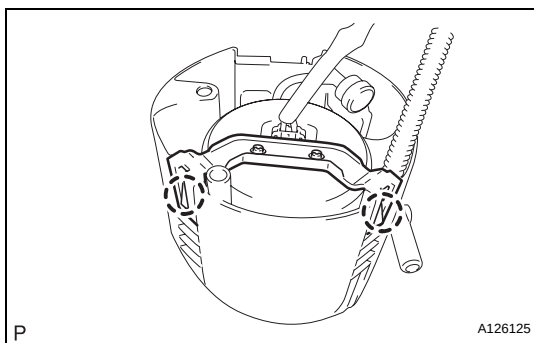
(a) Disconnect the wire harness.



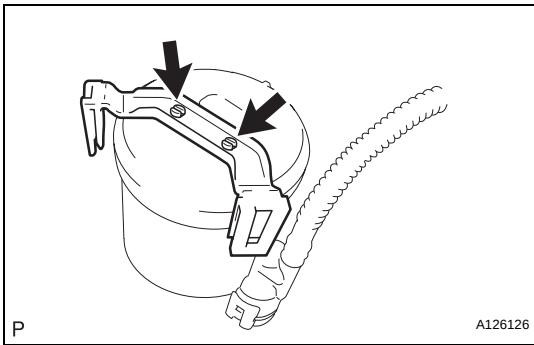
(b) Using needle nose pliers, remove the E-ring.
HINT:
Slightly lower the sub-tank to remove the E-ring.



(c) Remove the 2 springs from the 2 shaft.



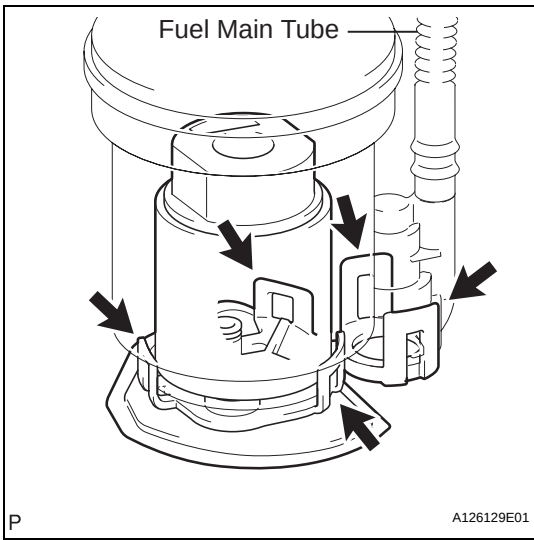
(d) Detach the 2 claws and remove the sub-tank.

**6. REMOVE BRACKET**

- (a) Using a screwdriver, detach the 2 claws and remove the bracket.

HINT:

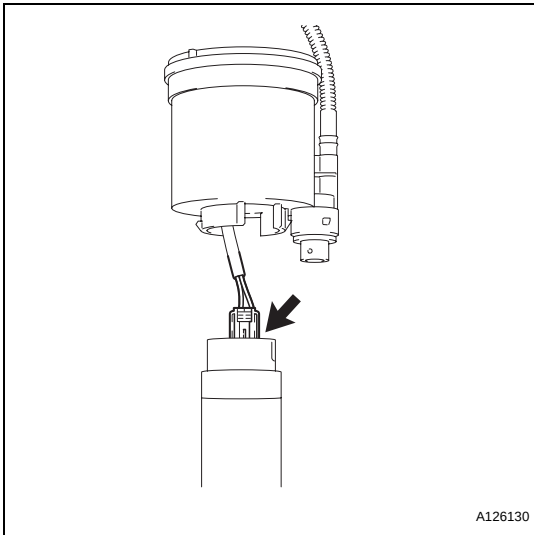
Tape the screwdriver tip before use.

**7. REMOVE FUEL PUMP ASSEMBLY**

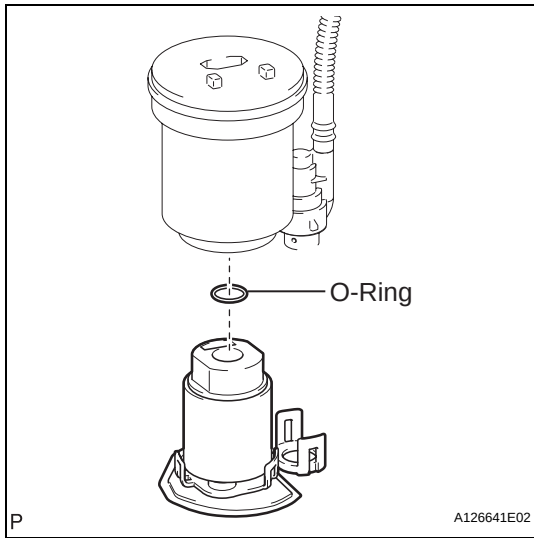
- (a) Detach the 5 claws on the filter and remove the fuel pump from the fuel filter.

HINT:

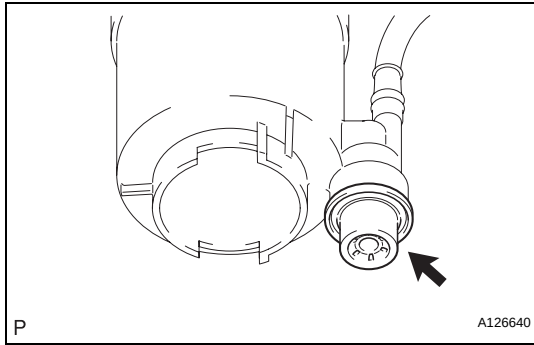
When removing the claw, do not disconnect the fuel main tube.



- (b) Disconnect the fuel pump connector.

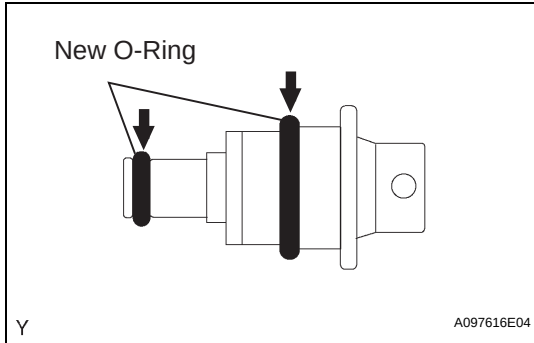


(c) Remove the O-ring from the fuel filter.



8. REMOVE FUEL PRESSURE REGULATOR ASSEMBLY

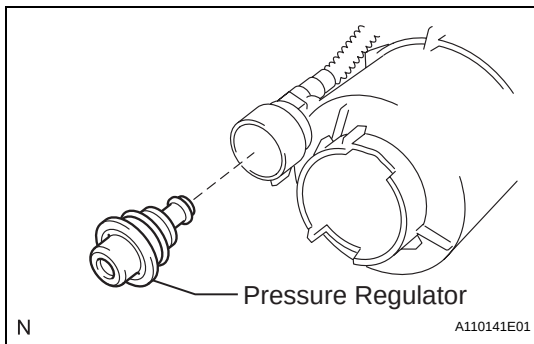
- (a) Remove the fuel pressure regulator from the fuel filter.
- (b) Remove the 2 O-rings.



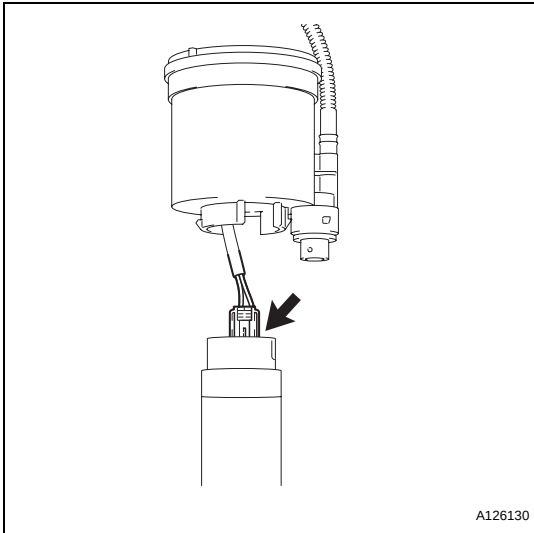
INSTALLATION

1. INSTALL FUEL PRESSURE REGULATOR ASSEMBLY

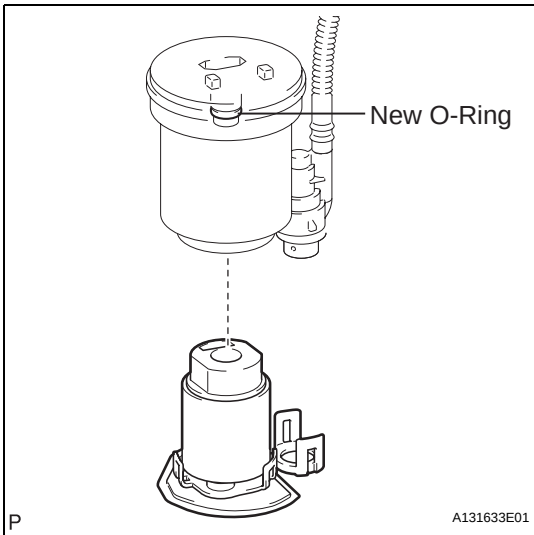
- (a) Apply a light coat of gasoline to 2 new O-rings, and install them onto the fuel pressure regulator.



- (b) Install the fuel pressure regulator to the fuel filter.

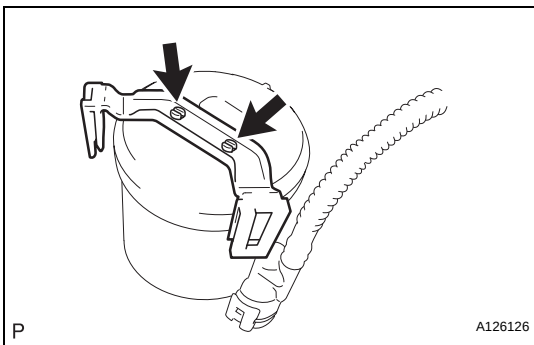
**2. INSTALL FUEL PUMP ASSEMBLY**

- (a) Connect the pump harness connector.

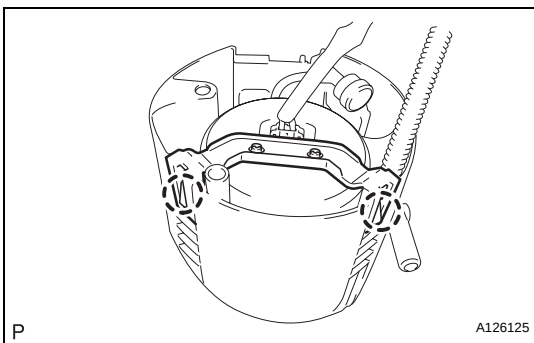


- (b) Apply gasoline to a new O-ring and install the O-ring to the fuel filter.

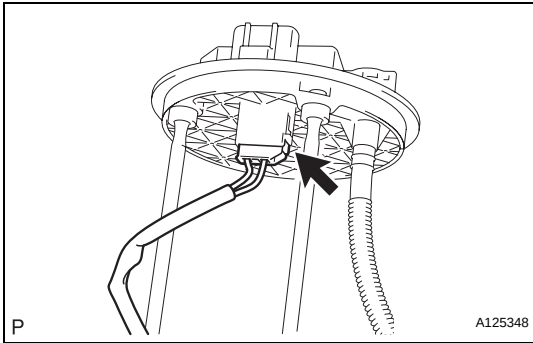
- (c) Attach the 5 claws to the claw holes and install the fuel pump.

FU**3. INSTALL BRACKET**

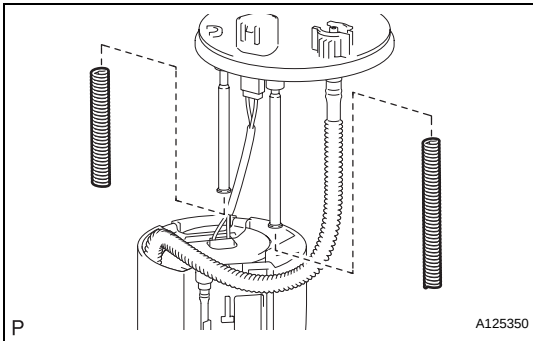
- (a) Attach the 2 claws to the claw holes and install the bracket.

**4. INSTALL FUEL SUB-TANK ASSEMBLY**

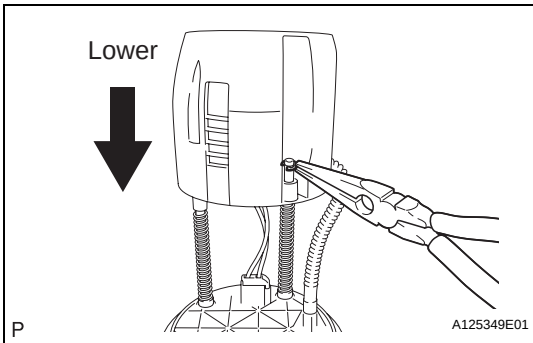
- (a) Attach the 2 claws to the claw holes and install the fuel sub-tank.



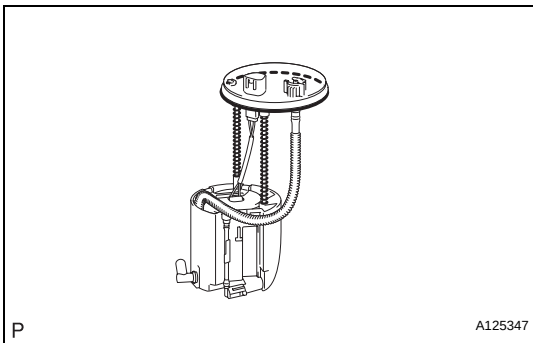
(b) Connect the wire harness.



(c) Install the spring to the fuel suction plate shaft and install it to the sub-tank.

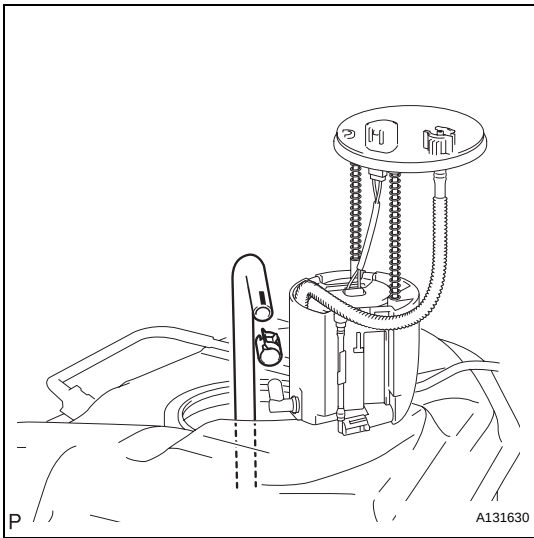


(d) Using needle-nose pliers, install a new E-ring.
HINT:
Slightly lower the sub-tank to install the E-ring.



5. INSTALL FUEL SUCTION WITH PUMP ASSEMBLY

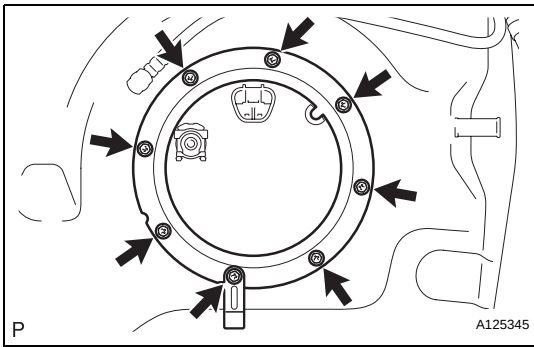
(a) Install a new gasket onto the fuel pump.



- (b) Connect the fuel hose and install the fuel pump into the fuel tank.

NOTICE:

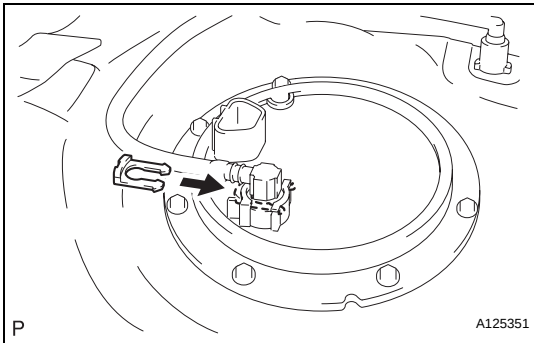
Do not damage the fuel pump filter.



6. INSTALL FUEL TANK VENT TUBE SET PLATE

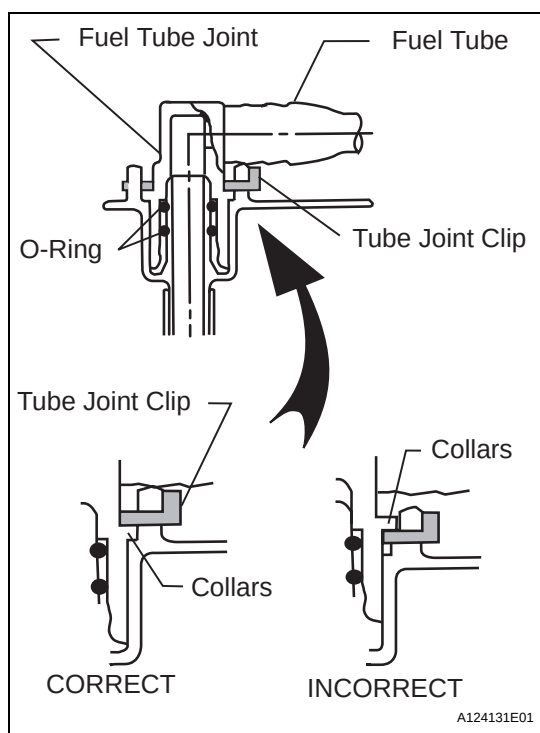
- (a) Install the set plate with the 8 bolts.

Torque: 4.0 N*m (41 kgf*cm, 35 in.*lbf)



7. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Install the fuel tube with the joint clips.

**CAUTION:**

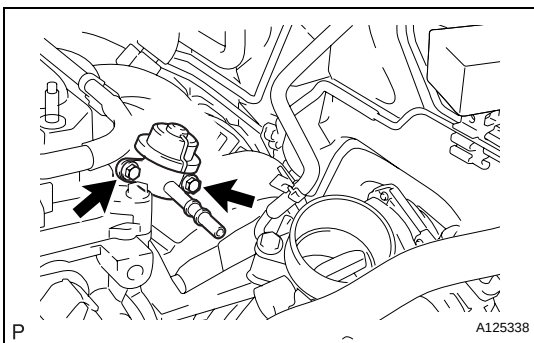
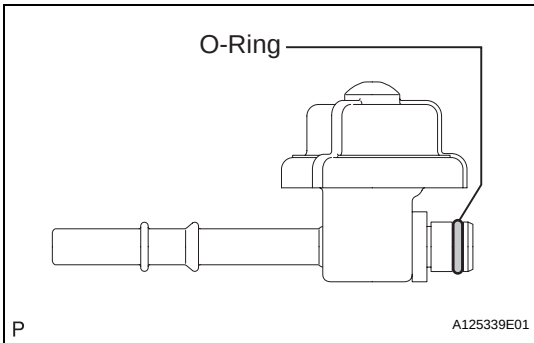
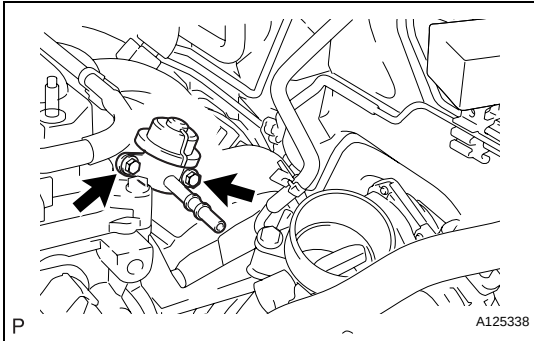
- Check that there are no scratches or foreign objects on the connecting parts.
- Check that the fuel tube joint is inserted securely.
- Check that the fuel tube joint clip is on the collars of the fuel tube joint.
- After installing the tube joint clip, check that the fuel tube joint has not been pulled off.
- Be careful not to damage the clip. If the clip is damaged, replace it.

8. INSTALL FUEL TANK ASSEMBLY

- (a) Install the fuel tank (see page [FU-44](#)).

REMOVAL

1. DISCHARGE FUEL SYSTEM PRESSURE (See page [FU-9](#))
2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL
3. REMOVE NO. 1 ENGINE COVER (See page [ES-410](#))
4. REMOVE AIR CLEANER CAP SUB-ASSEMBLY (See page [ES-411](#))
5. DISCONNECT FUEL MAIN TUBE (See page [FU-10](#))
6. REMOVE FUEL PRESSURE PULSATION DAMPER ASSEMBLY
 - (a) Remove the 2 bolts and fuel pressure pulsation damper.



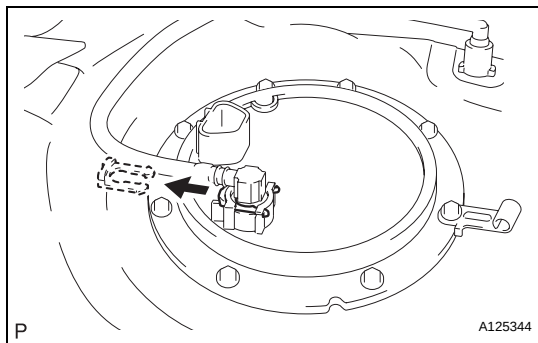
INSTALLATION

1. INSTALL FUEL PRESSURE PULSATION DAMPER ASSEMBLY
 - (a) Apply a light coat of gasoline or spindle oil to the O-ring of the fuel pressure pulsation damper.
 - (b) Install the fuel pressure pulsation damper with the 2 bolts.
Torque: 9.0 N*m (90 kgf*cm, 80 in.*lbf)
NOTICE:
Make sure that the O-ring is not cracked or jammed when installing.
2. INSTALL FUEL MAIN TUBE (See page [FU-14](#))
3. INSTALL AIR CLEANER CAP SUB-ASSEMBLY (See page [ES-413](#))
4. INSTALL NO. 1 ENGINE COVER (See page [ES-414](#))
5. CONNECT CABLE TO BATTERY NEGATIVE TERMINAL
6. CHECK FOR FUEL LEAKS (See page [FU-14](#))

REMOVAL

1. REMOVE FUEL TANK ASSEMBLY

- (a) Remove the fuel tank (see page [FU-39](#)).



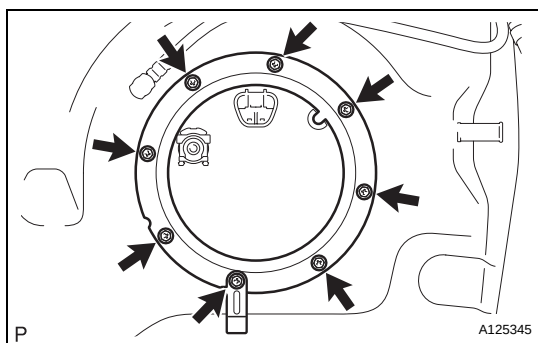
2. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Remove the joint clip and fuel tank main tube.

CAUTION:

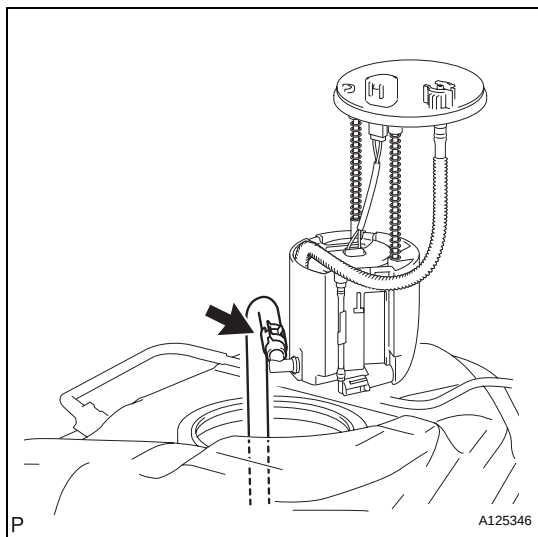
- Before removing the tube joint clip, check for foreign matter around the clip. Clean if necessary.
- Keep the O-ring free of foreign matter, as it becomes contaminated easily.
- Do not use any tools in this procedure.
- Do not forcefully bend or twist the tube.
- Put the tube in a plastic bag to prevent damage and contamination.
- If the fuel suction plate and tube are stuck together, pinch the tube and turn it carefully to disconnect it.
- Be careful not to damage the clip. If the clip is damaged, replace it.

FU



3. REMOVE FUEL TANK VENT TUBE SET PLATE

- (a) Remove the 8 bolts and set plate.

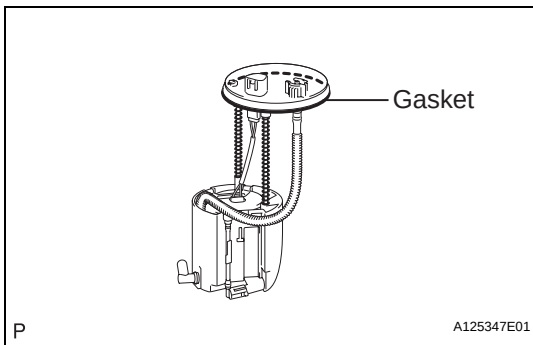


4. REMOVE FUEL SUCTION WITH PUMP ASSEMBLY

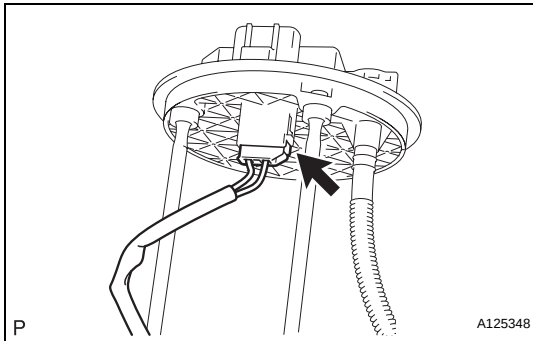
- (a) Disconnect the fuel hose and remove the fuel pump from the fuel tank.

NOTICE:

Do not damage the fuel pump.

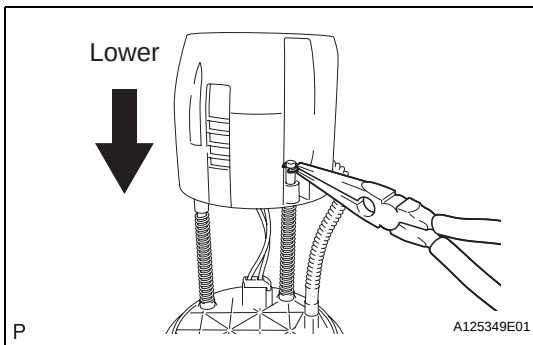


(b) Remove the gasket from the fuel pump.

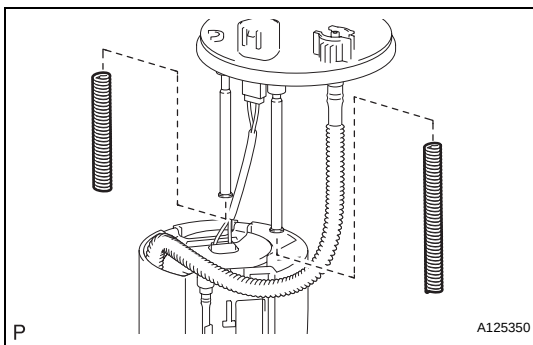


5. REMOVE FUEL SUB-TANK ASSEMBLY

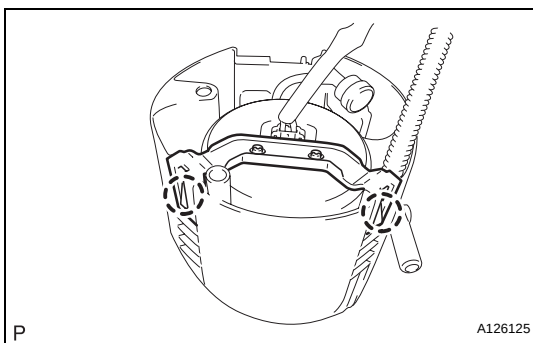
(a) Disconnect the wire harness.



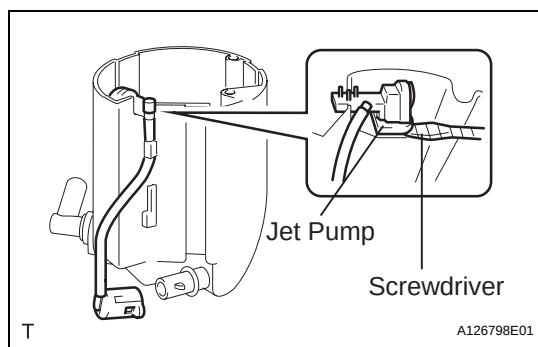
(b) Using needle nose pliers, remove the E-ring.
HINT:
Slightly lower the sub-tank to remove the E-ring.



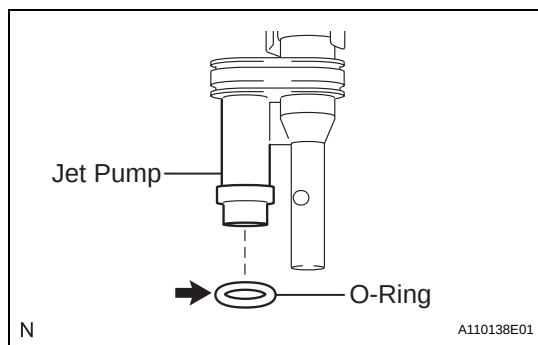
(c) Remove the 2 springs from the 2 shaft.



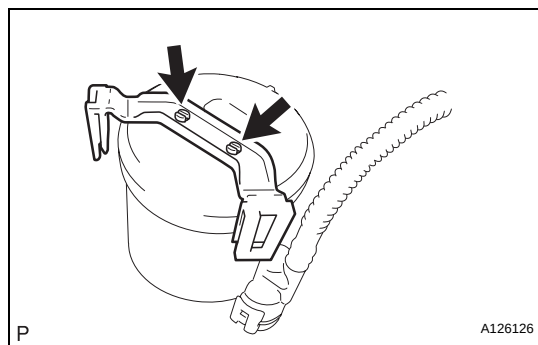
(d) Detach the 2 claws and remove the sub-tank.



- (e) Disengage the claw of the jet pump nozzle.
- (f) Using a screwdriver with the tip taped, remove the jet pump.



- (g) Remove the O-ring from the jet pump.

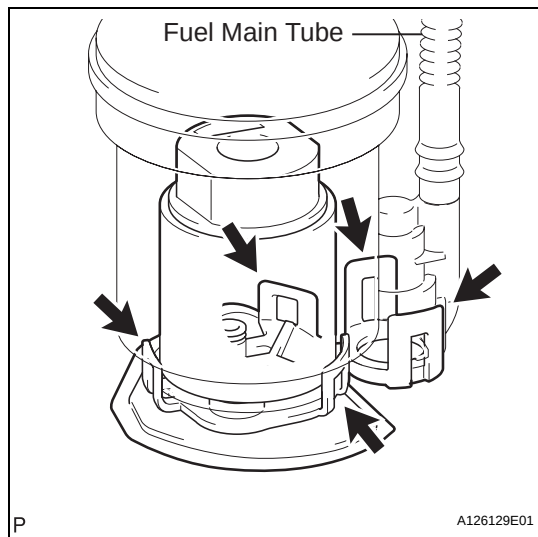


6. REMOVE BRACKET

- (a) Using a screwdriver, detach the 2 claws and remove the bracket.

HINT:

Tape the screwdriver tip before use.

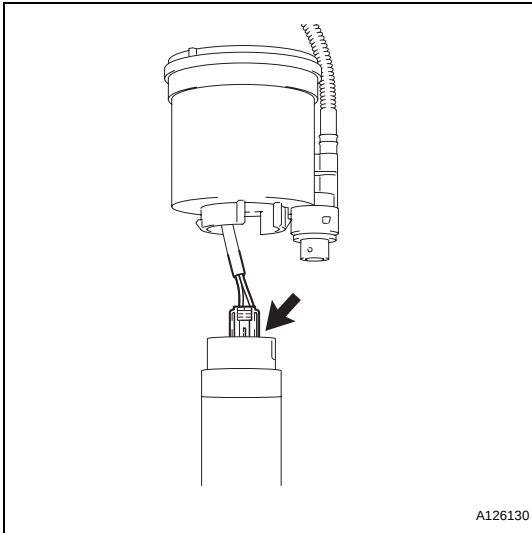


7. REMOVE FUEL PUMP ASSEMBLY

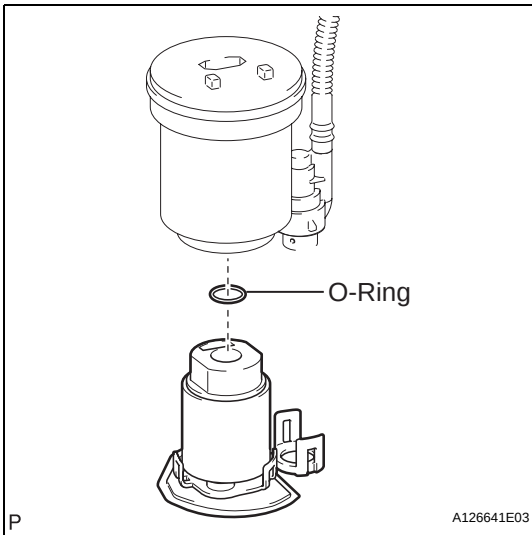
- (a) Detach the 5 claws on the filter and remove the fuel pump from the fuel filter.

HINT:

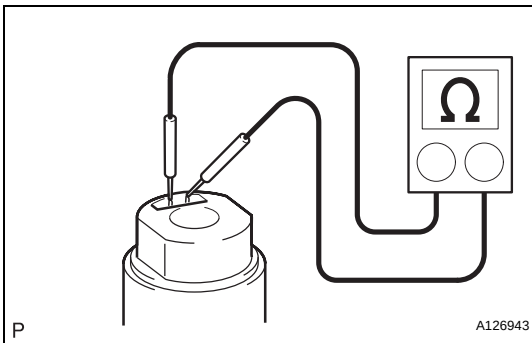
When removing the claw, do not disconnect the fuel main tube.



(b) Disconnect the fuel pump connector.



(c) Remove the O-ring from the fuel filter.



INSPECTION

1. INSPECT FUEL PUMP

(a) Check the fuel pump resistance.

(1) Measure the resistance between terminals 1 and 2.

Standard resistance:

0.2 to 3.0 Ω at 20°C (68°F)

If the result is not as specified, replace the fuel pump.

(b) Check fuel pump operation.

(1) Apply battery voltage to terminals 1 and 2. Check that the pump operates.

NOTICE:

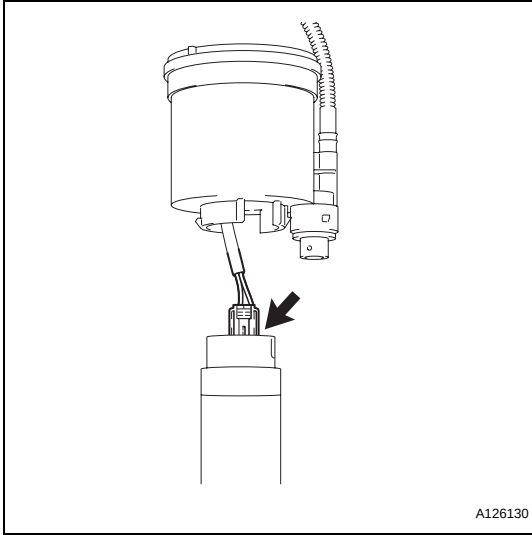
- These tests must be completed within 10 seconds to prevent the coil from burning out.
- Keep the fuel pump as far away from the battery as possible.
- Always the voltage on and off on the battery side, not the fuel pump side.

If the pump does not operate, replace the fuel pump.

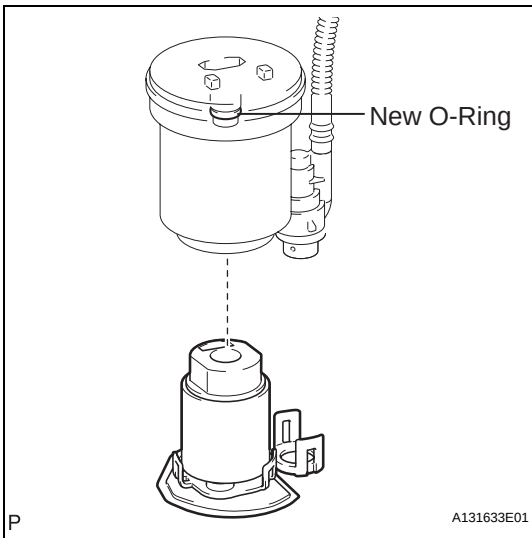
INSTALLATION

1. INSTALL FUEL PUMP ASSEMBLY

- (a) Connect the pump harness connector.

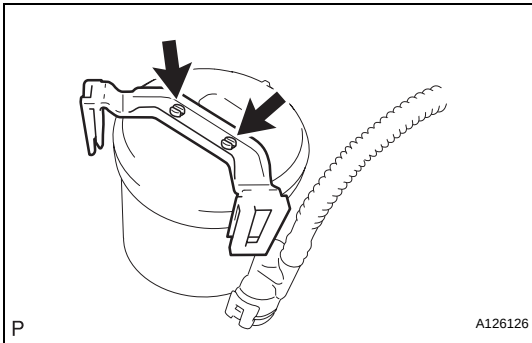


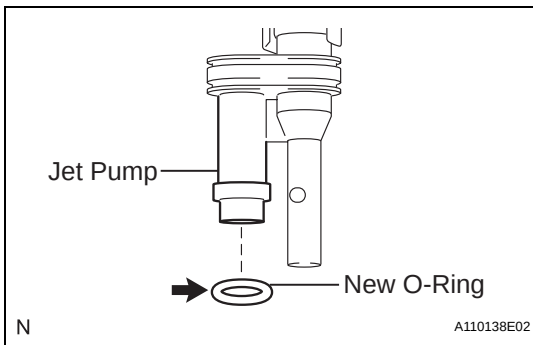
- (b) Apply gasoline to a new O-ring and install the O-ring to the fuel filter.
- (c) Attach the 5 claws to the claw holes and install the fuel pump.



2. INSTALL BRACKET

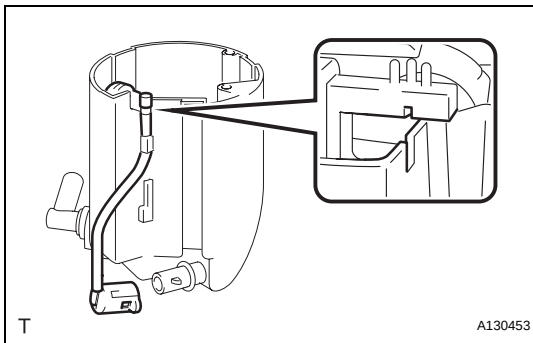
- (a) Attach the 2 claws to the claw holes and install the bracket.



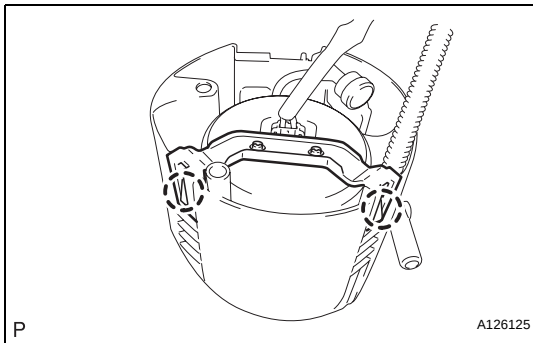


3. INSTALL FUEL SUB-TANK ASSEMBLY

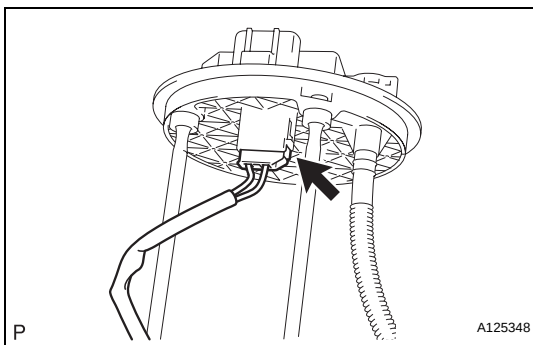
- (a) Apply gasoline to a new O-ring and install it to the jet pump.



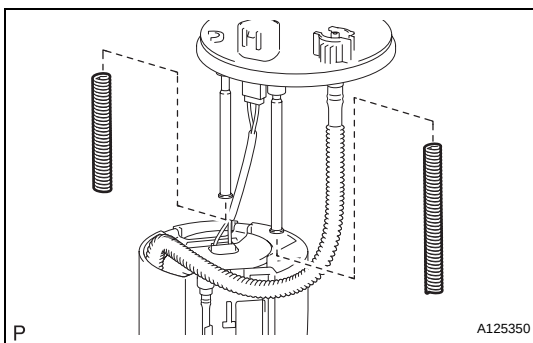
- (b) Install the jet pump while aligning it to the installation position of the sub-tank.
(c) Install the jet pump nozzle.



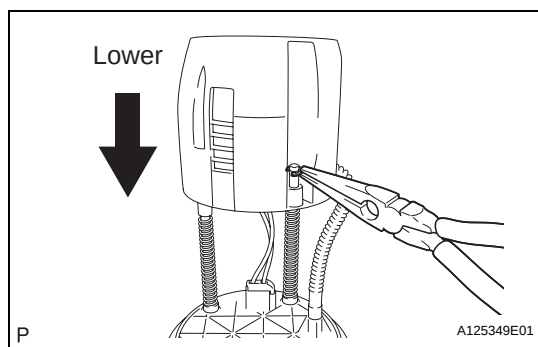
- (d) Attach the 2 claws to the claw holes and install the fuel sub-tank.



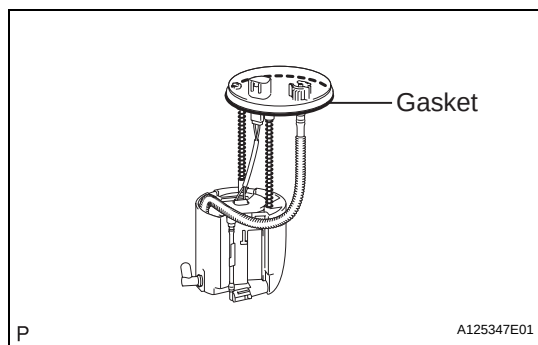
- (e) Connect the wire harness.



- (f) Install the spring to the fuel suction plate shaft and install them to the sub-tank.

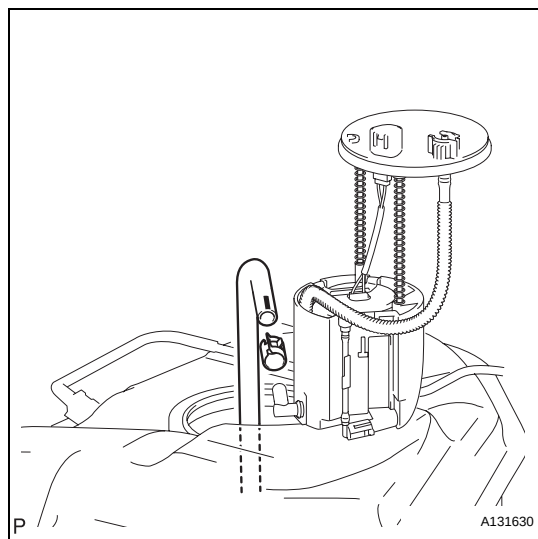


- (g) Using needle-nose pliers, install a new E-ring.
HINT:
Slightly lower the sub-tank to install the E-ring.



4. INSTALL FUEL SUCTION WITH PUMP ASSEMBLY

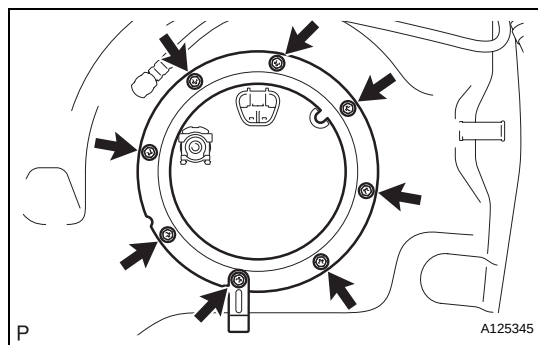
- (a) Install a new gasket onto the fuel pump.



- (b) Connect the fuel hose and install the fuel pump into the fuel tank.

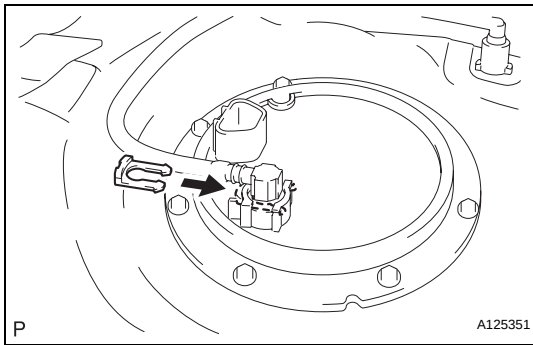
NOTICE:

Do not damage the fuel pump filter.



5. INSTALL FUEL TANK VENT TUBE SET PLATE

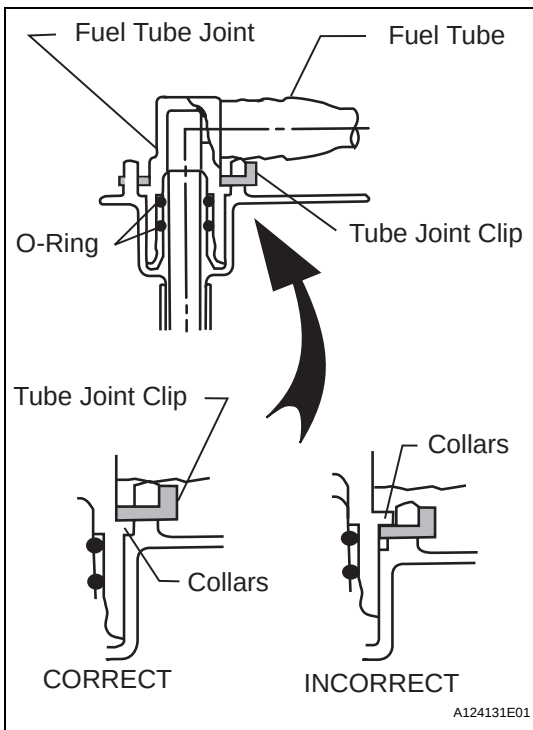
- (a) Install the set plate with the 8 bolts.
Torque: 4.0 N*m (41 kgf*cm, 35 in.*lbf)

**6. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY**

- (a) Install the fuel tube with the joint clips.

CAUTION:

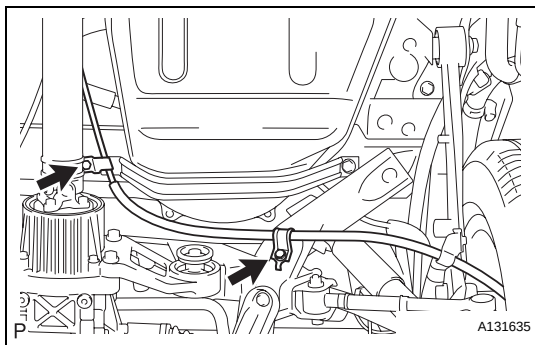
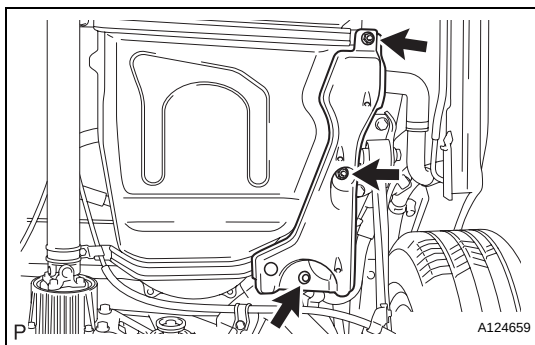
- Check that there are no scratches or foreign objects on the connecting parts.
- Check that the fuel tube joint is inserted securely.
- Check that the fuel tube joint clip is on the collars of the fuel tube joint.
- After installing the tube joint clip, check that the fuel tube joint has not been pulled off.
- Be careful not to damage the clip. If the clip is damaged, replace it.

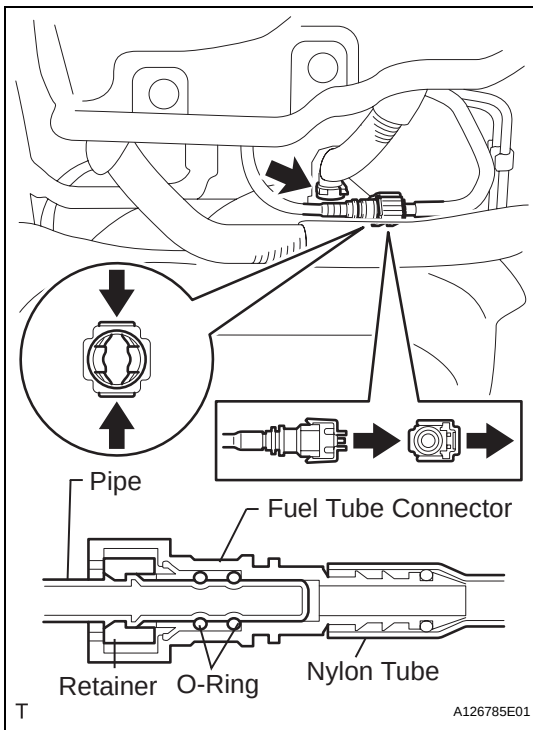
**7. INSTALL FUEL TANK ASSEMBLY**

- (a) Install the fuel tank (see page [FU-44](#)).

REMOVAL

1. **DISCHARGE FUEL SYSTEM PRESSURE** (See page [FU-9](#))
2. **DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL**
CAUTION:
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.
3. **REMOVE FUEL TANK CAP**
4. **REMOVE FRONT FLOOR COVER**
(a) Remove the nut, bolt, 3 clips and floor cover.
5. **REMOVE NO. 1 FLOOR UNDER COVER**
(a) Remove the 2 nuts, clip and floor under cover.
6. **DISCONNECT NO. 2 PARKING BRAKE CABLE ASSEMBLY**
(a) Remove the 2 bolts and disconnect the parking brake cable.





7. DISCONNECT FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Pinch and pull the main tube connector to disconnect the connector from the pipe.

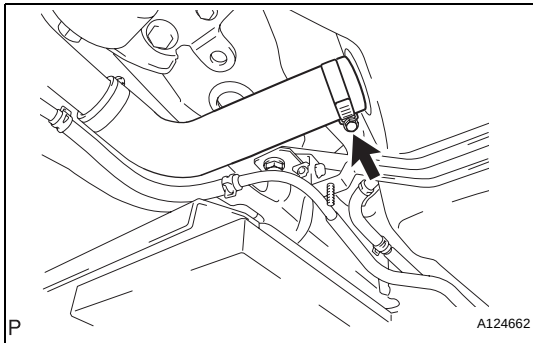
NOTICE:

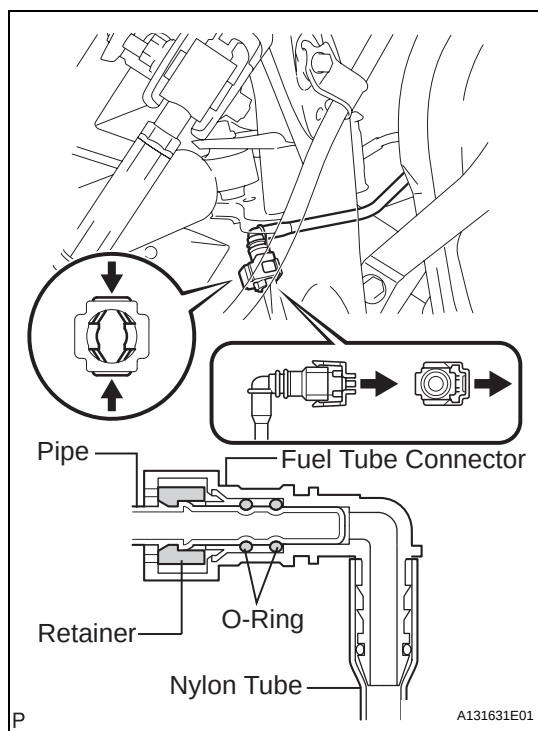
- Check for foreign matter in the pipe and around the connector. Clean if necessary. Foreign matter may damage the O-ring or cause leaks in the seal between the pipe and connector.
- Do not use any tools to separate the pipe and connector.
- Do not forcefully bend or twist the nylon tube.
- Check for foreign matter on the pipe seal surface. Clean if necessary.
- Put the pipe and connector ends in plastic bags to prevent damage and foreign matter contamination.
- If the pipe and connector are stuck together, pinch the connector between your fingers and turn it carefully to disconnect it.

- (b) Disconnect the EVAP hose from the tank.

8. DISCONNECT FUEL TANK TO FILLER PIPE HOSE

- (a) Disconnect the filler pipe hose from the fuel tank.





9. DISCONNECT FUEL TANK BREATHER HOSE

- (a) Disconnect the breather hose from the fuel tank.

NOTICE:

- Check for foreign matter in the pipe and around the connector. Clean if necessary. Foreign matter may damage the O-ring or cause leaks in the seal between the pipe and connector.
- Do not use any tools to separate the pipe and connector.
- Do not forcefully bend or twist the nylon tube.
- Check for foreign matter on the pipe seal surface. Clean if necessary.
- Put the pipe and connector ends in plastic bags to prevent damage and foreign matter contamination.
- If the pipe and connector are stuck together, pinch the connector between your fingers and turn it carefully to disconnect it.

10. REMOVE FUEL TANK FILLER PIPE

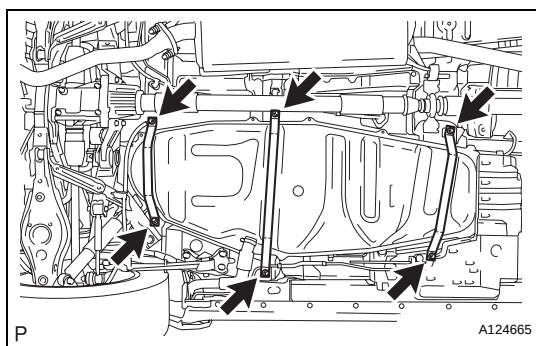
- (a) Remove the 3 bolts and filler pipe protector.
(b) Remove the 2 bolts and filler pipe.

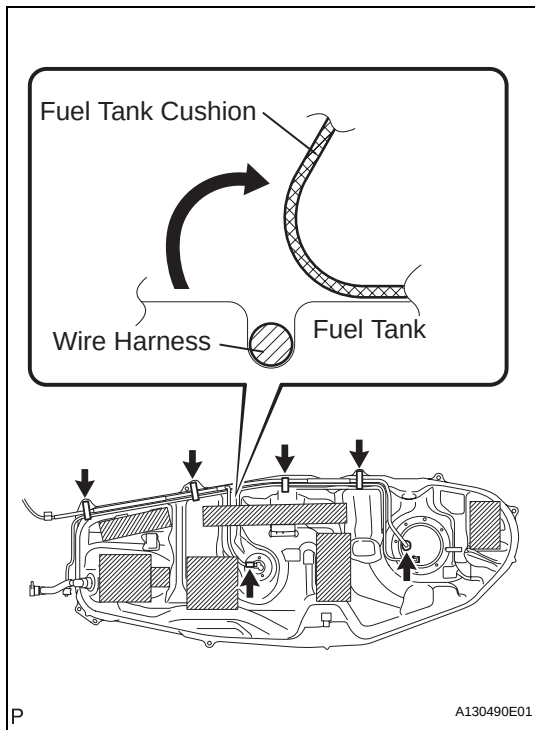
11. REMOVE FUEL TANK ASSEMBLY

- (a) Set a mission jack underneath the fuel tank.
(b) Remove the 6 bolts and 3 fuel tank bands.
(c) Slightly lower the mission jack.

NOTICE:

Be careful not to cut the wirings.





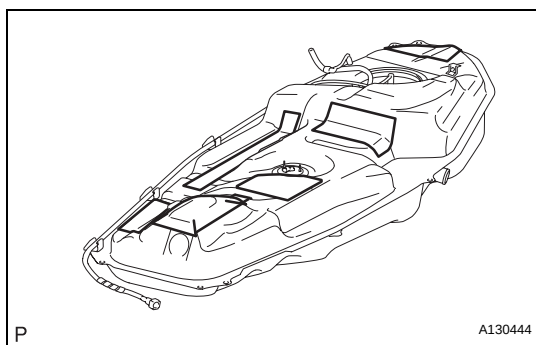
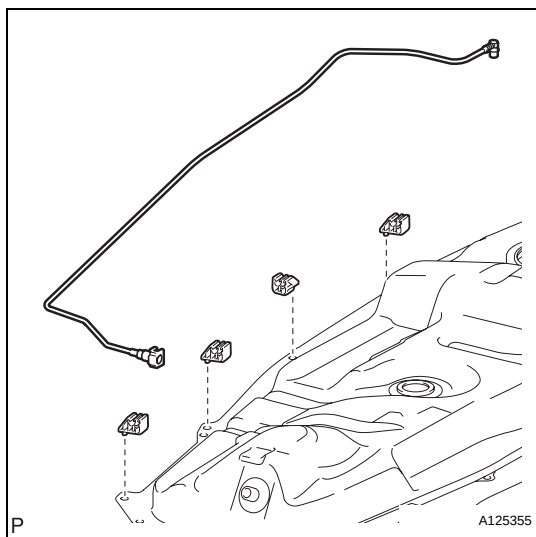
- (d) Fold back approximately half of each cushion rubber so that the wire harness can be detached from the fuel tank in the step below.
- (e) Disconnect the fuel pump connector and sender gauge connector.

NOTICE:

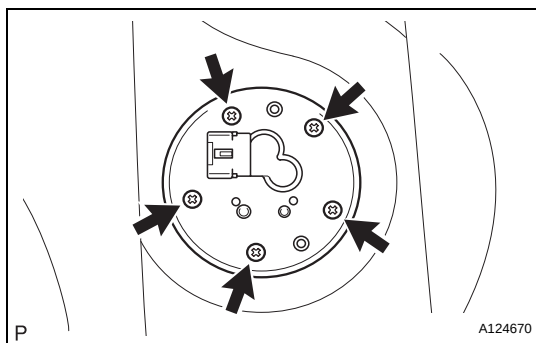
- Before this procedure, check the connector for dirt, mud or other contamination.
 - Do not use any tools in this procedure.
- (f) Detach the wire harness from the 4 clamps and remove the fuel tank.

DISASSEMBLY

1. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY
(See page [FU-30](#))
2. REMOVE FUEL TANK VENT TUBE SET PLATE (See page [FU-30](#))
3. REMOVE FUEL SUCTION WITH PUMP ASSEMBLY
(See page [FU-30](#))
4. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY
(a) Remove the tube from the fuel tube clamps.
5. REMOVE NO. 1 FUEL TUBE CLAMP
(a) Remove the 4 tube clamps from the fuel tank.



6. REMOVE NO. 1 FUEL TANK CUSHION
(a) Remove the 7 fuel tank cushions from the fuel tank.



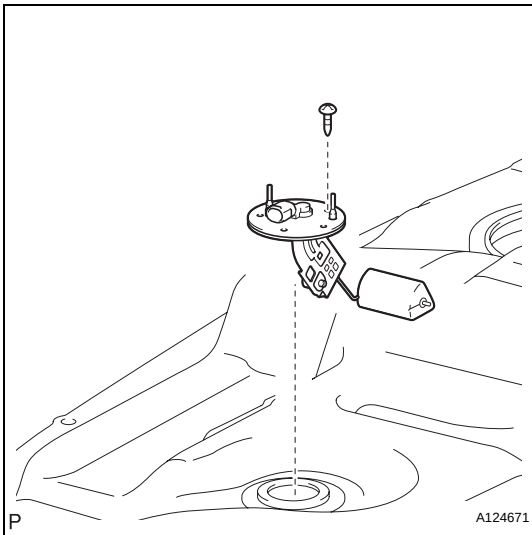
7. REMOVE FUEL SENDER GAUGE ASSEMBLY
(a) Remove the 5 screws and sender gauge.

REASSEMBLY

1. INSTALL FUEL SENDER GAUGE ASSEMBLY

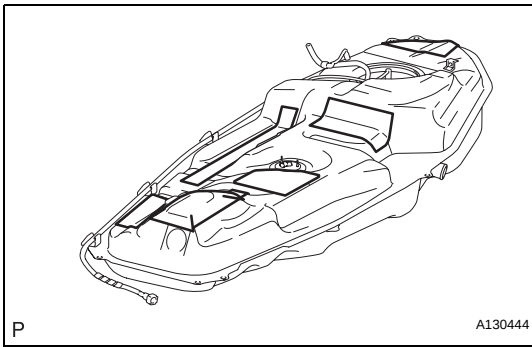
- (a) Install the sender gauge with the 5 bolts.

Torque: 1.5 N*m (15 kgf*cm, 13 in.*lbf)



2. INSTALL NO. 1 FUEL TANK CUSHION

- (a) Install 7 new fuel tank cushions onto the fuel tank as shown in the illustration.



3. INSTALL NO. 1 FUEL TUBE CLAMP

- (a) Install the 4 tube clamps to the fuel tank.

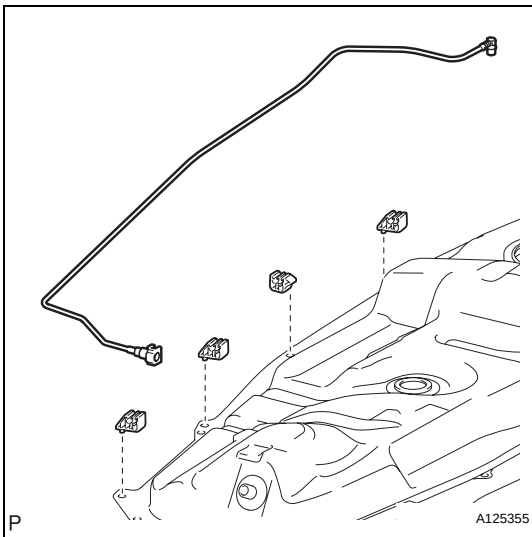
4. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY

- (a) Install the tube with the 4 clips.

5. INSTALL FUEL SUCTION WITH PUMP ASSEMBLY (See page [FU-36](#))

6. INSTALL FUEL TANK VENT TUBE SET PLATE (See page [FU-36](#))

7. INSTALL FUEL TANK MAIN TUBE SUB-ASSEMBLY (See page [FU-37](#))



INSTALLATION

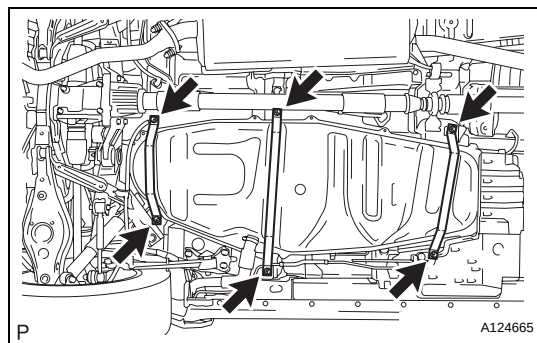
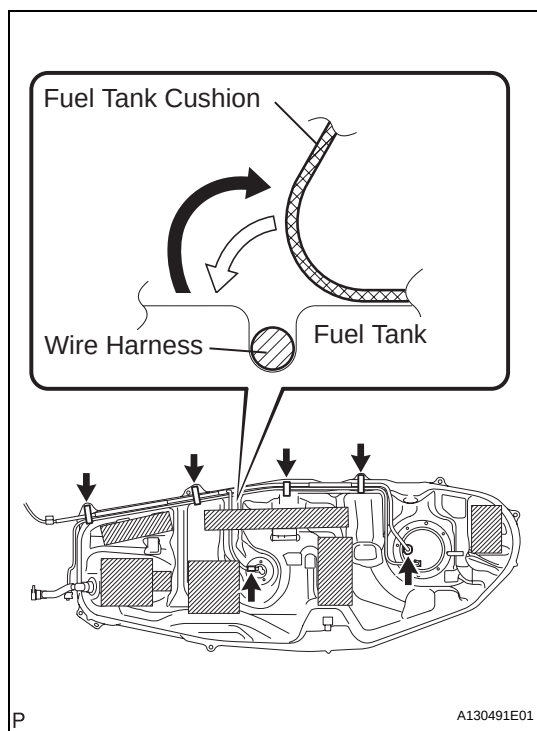
1. INSTALL FUEL TANK ASSEMBLY

- Set the fuel tank on a mission jack.
- Lift up the mission jack.
- Fold back the 2 cushion rubbers.
- Connect the fuel pump connector and sender gauge connector to the fuel tank.

NOTICE:

Be careful not to cut the wirings.

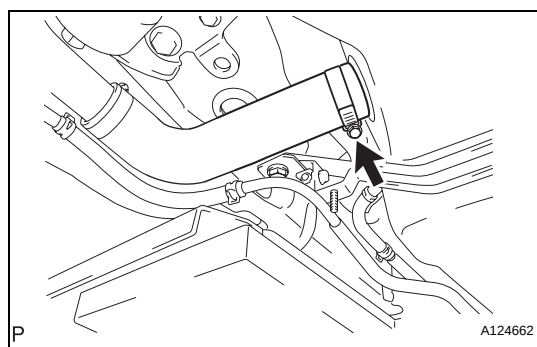
- Attach the wire harness to the 4 clamps.



- Install the 3 fuel tank bands with the 6 bolts.
Torque: 40 N*m (408 kgf*cm, 30 ft.*lbf)

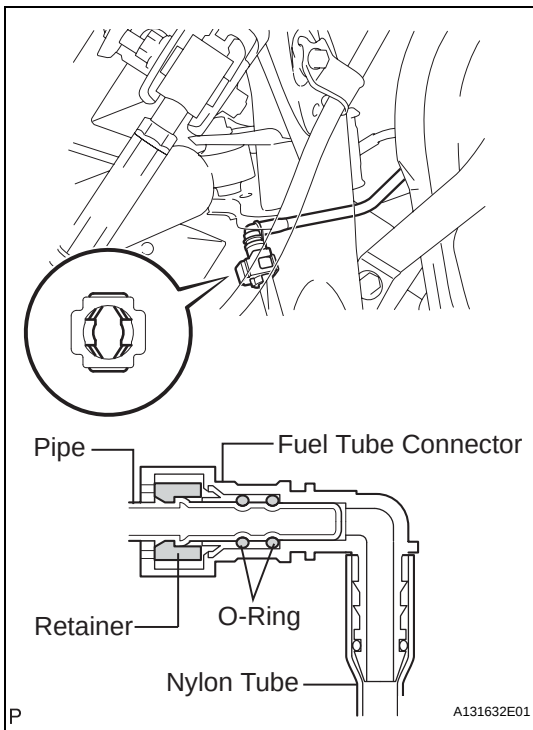
2. INSTALL FUEL TANK FILLER PIPE

- Install the filler pipe with the 2 bolts.
Torque: 23.5 N*m (240 kgf*cm, 17 ft.*lbf)
- Install the filler pipe protector with the 3 bolts.



3. CONNECT FUEL TANK TO FILLER PIPE HOSE

- Connect the filler pipe hose to the fuel tank.



4. CONNECT FUEL TANK BREATHER HOSE

- (a) Connect the fuel tank breather hose to the fuel tank.

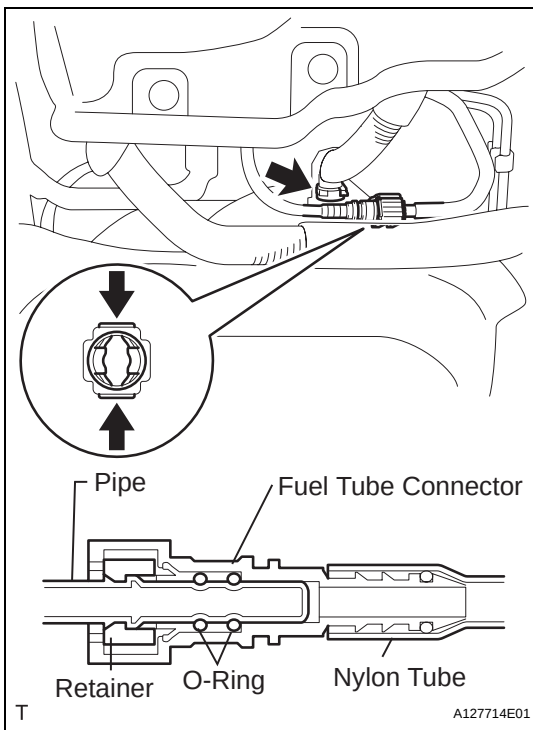
NOTICE:

- Before installing the tube connector to the pipe, check the connector for damage and foreign matter.
- Check that the connector and pipe is securely connected by trying to pull them apart.

5. CONNECT FUEL TANK MAIN TUBE SUB-ASSEMBLY

NOTICE:

Before installing the tube connector to the pipe, check the connector for damage and foreign matter.



- (a) Connect the main tube connector to the pipe. Push the 2 parts together firmly until a "click" sound is heard.

NOTICE:

Check that the connector and pipe are securely connected by trying to pull them apart.

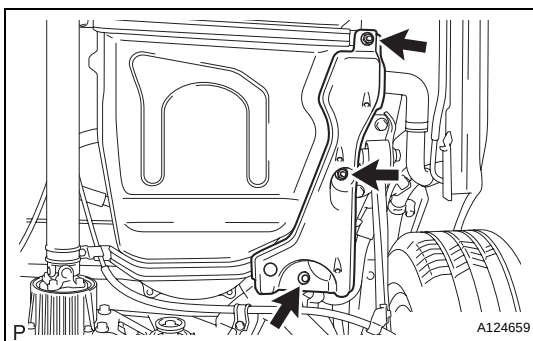
- (b) Connect the EVAP hose to the fuel tank.

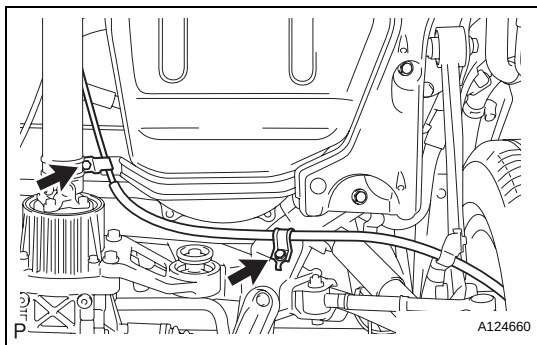
6. INSTALL NO. 1 FLOOR UNDER COVER

- (a) Install the floor cover with the clip and 2 nuts.

7. INSTALL FRONT FLOOR COVER

- (a) Install the floor under cover with the 3 clips, bolt and nut.





8. **INSTALL NO. 2 PARKING BRAKE CABLE ASSEMBLY**
(a) Install the parking brake cable with the 2 bolts.
9. **INSTALL FUEL TANK CAP**
10. **CONNECT CABLE TO NEGATIVE BATTERY TERMINAL**
11. **CHECK FOR FUEL LEAKS** (See page [FU-14](#))

FUEL SYSTEM

PRECAUTION

1. BEFORE WORKING ON FUEL SYSTEM

- (a) Do not work near an open flame.
- (b) Keep gasoline away from rubber and leather parts.
- (c) Discharge the fuel pressure before disconnecting the fuel line to prevent gasoline from spilling out. Refer to the following procedure.

2. DISCHARGE FUEL PRESSURE

CAUTION:

- **DISCHARGE FUEL SYSTEM PRESSURE** procedures must be performed before disconnecting any part of the fuel system.
- After performing the **DISCHARGE FUEL SYSTEM PRESSURE** procedures, pressure will remain in the fuel line. When disconnecting the fuel line, place a cloth or equivalent over fittings to reduce the risk of fuel spray.

- (a) Remove the console box (see page [IR-83](#)).

- (b) Disconnect the connector.

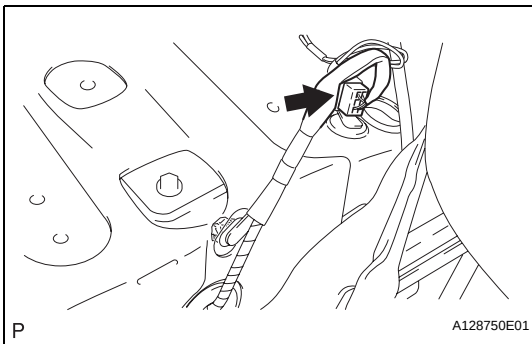
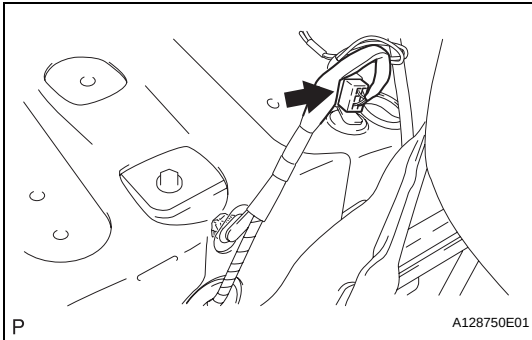
- (c) Start the engine. After the engine has stopped, turn the ignition switch off.

HINT:

DTC P0171 (system too lean) may be set.

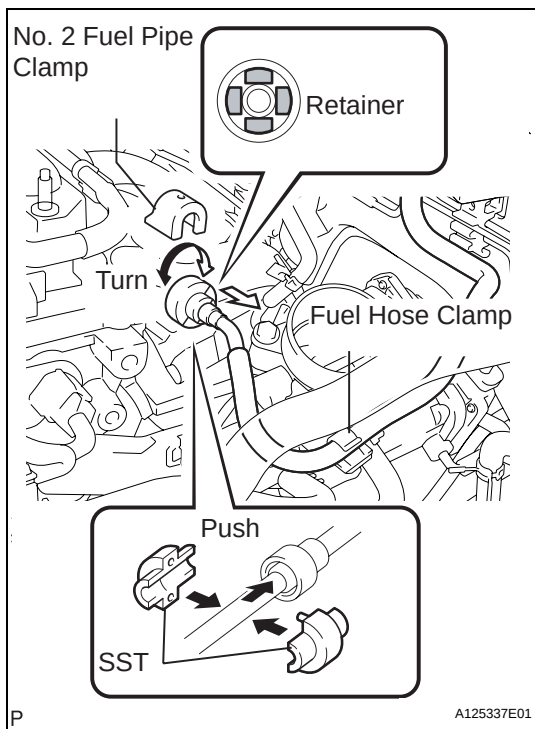
- (d) Check that the engine does not start.

- (e) Remove the fuel tank cap, and let the air out of the fuel tank.



- (f) Connect the connector.

- (g) Install the console box (see page [IR-90](#)).

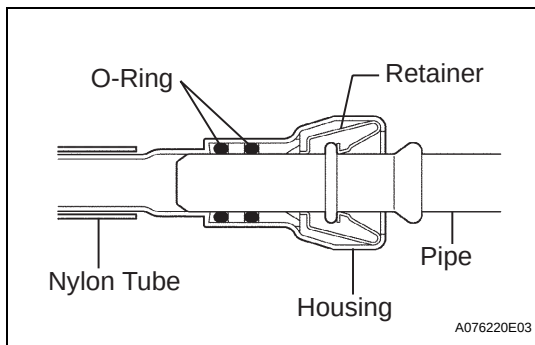


3. DISCONNECT FUEL MAIN TUBE

NOTICE:

Do not forcibly bend and twist the fuel main tube.

- Remove the fuel tube from the fuel hose clamp.
- Remove the fuel pipe clamp.
- Wipe off dirt on the fuel tube connector.
- Hold the fuel tube connector, and then install SST. **SST 09268-21010**
- Turn SST to align the retainer inside the fuel tube connector with the chamfered part of SST.
- Insert SST into the fuel tube and hold it. Then push the fuel tube connector toward SST side.
- Mount the retainer of the fuel tube connector onto the chamfered part of SST.



- Slide SST and fuel tube connector together towards the fuel tube until they make a click sound, and then disconnect the fuel tube.
- Drain the fuel remaining inside the fuel tube.
- Cover the fuel tube and fuel pipe with a plastic bag to protect the disconnected part.

4. CONNECT FUEL MAIN TUBE

- Connect the fuel main tube.
- Push the fuel tube connector until it makes a "click" sound.
- Install the fuel pipe clamp.
- Install the fuel tube to the fuel hose clamp.

5. DISCONNECT FUEL TUBE CONNECTOR

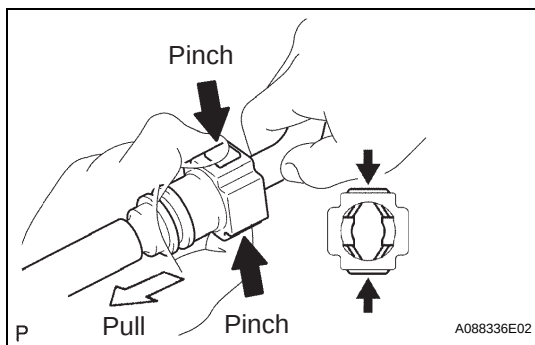
- Wipe off any dirt on the fuel tube connector.
- Pinch the fuel tube connector, and then disconnect the fuel tube. Do not use any tools.
- Drain the fuel remaining inside the fuel tube.
- Cover the fuel tube and fuel pipe with a plastic bag to protect the disconnected part.

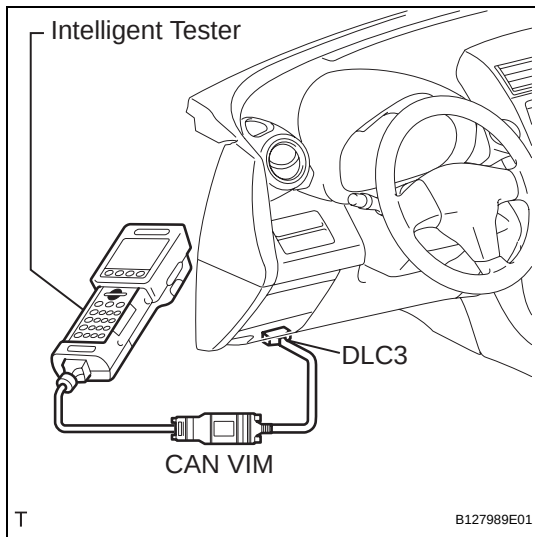
6. CONNECT FUEL TUBE CONNECTOR

- Connect the fuel tube connector to the fuel pipe.
- Push the fuel connector until it makes a click sound.

HINT:

If it is difficult to connect the fuel tube connector, apply a small amount of new engine oil on the tip of the pipe.





7. CHECK FOR FUEL LEAKS

- (a) Make sure that there are no fuel leaks after performing maintenance on the fuel system.
- (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch ON, and push the intelligent tester main switch ON.

NOTICE:

Do not start the engine.

- (3) Select the Active Test mode on the intelligent tester.

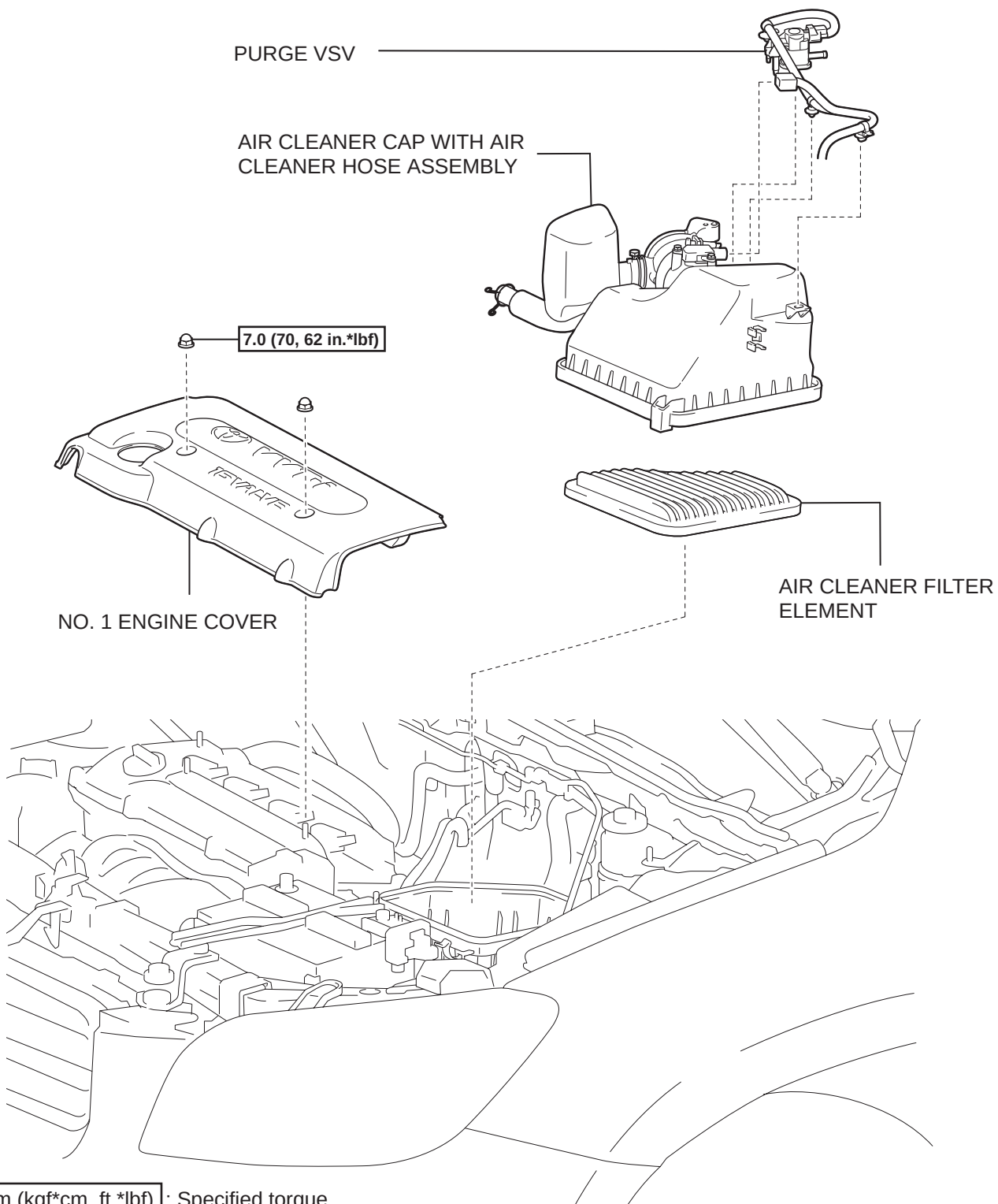
HINT:

Refer to the intelligent tester operator's manual for further details.

- (4) Check that there are no leaks from the fuel system.
- (5) Turn the ignition switch OFF.
- (6) Disconnect the intelligent tester from the DLC3.

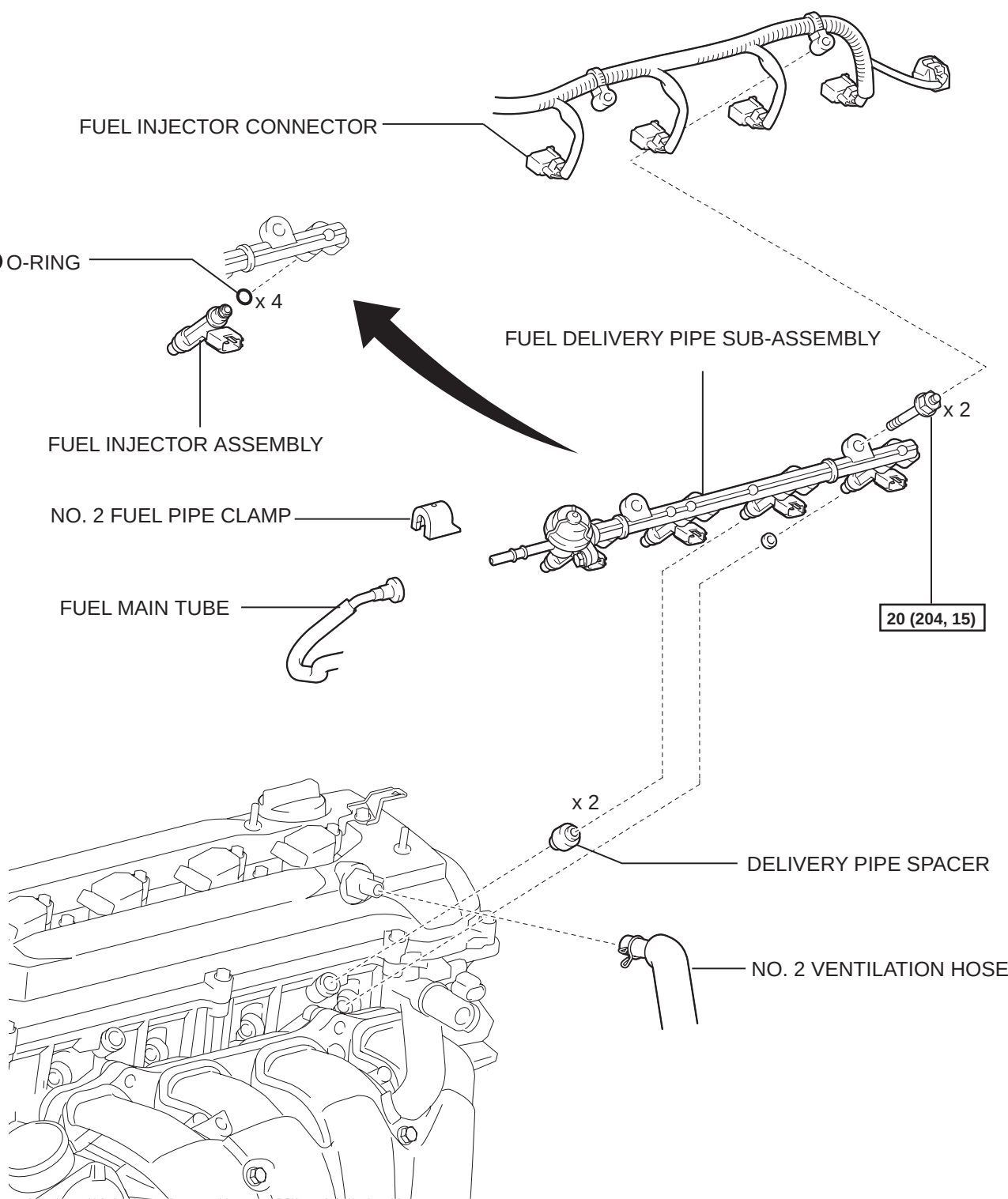
FUEL INJECTOR

COMPONENTS



FU

FU

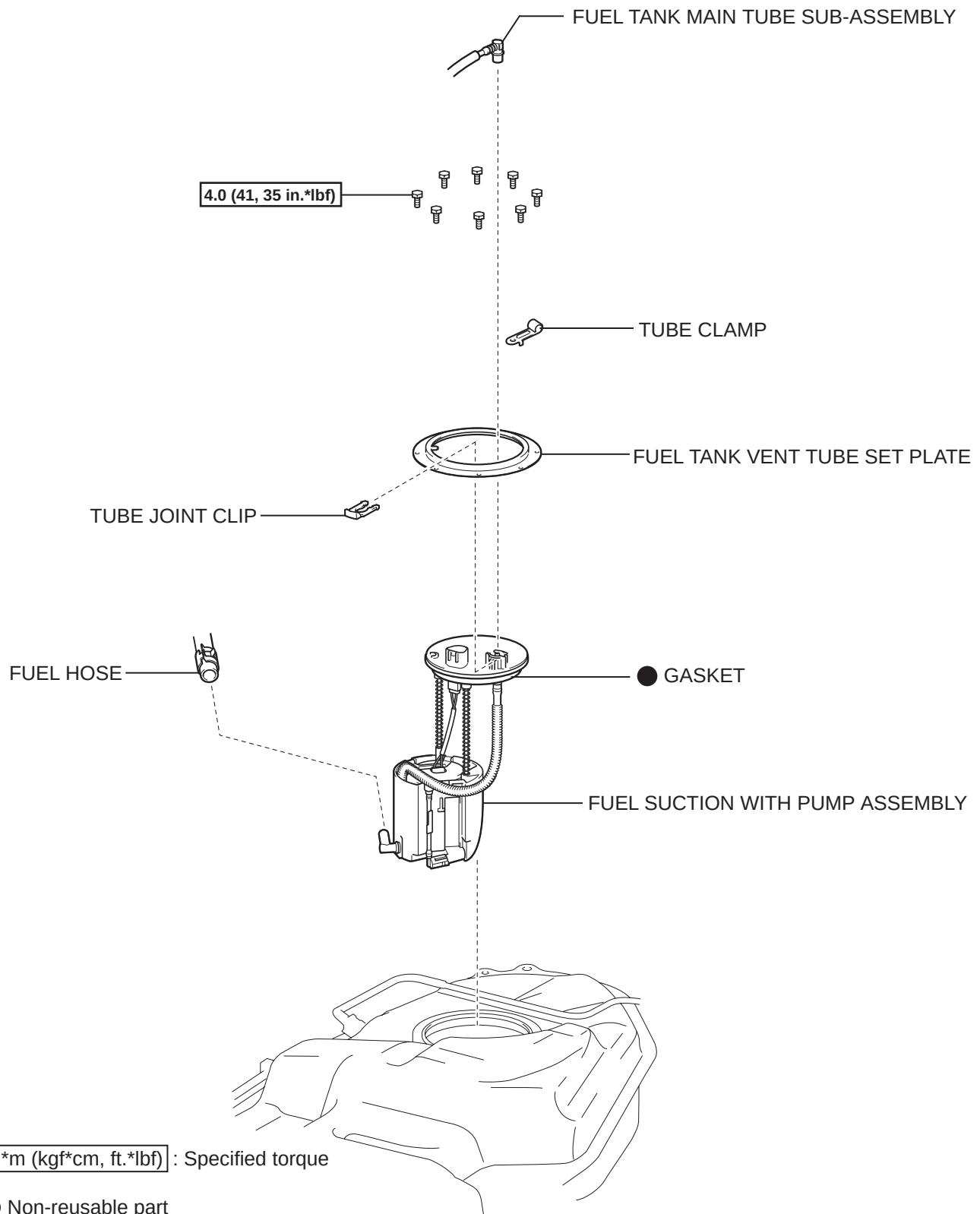


N*m (kgf*cm, ft.*lbf) : Specified torque

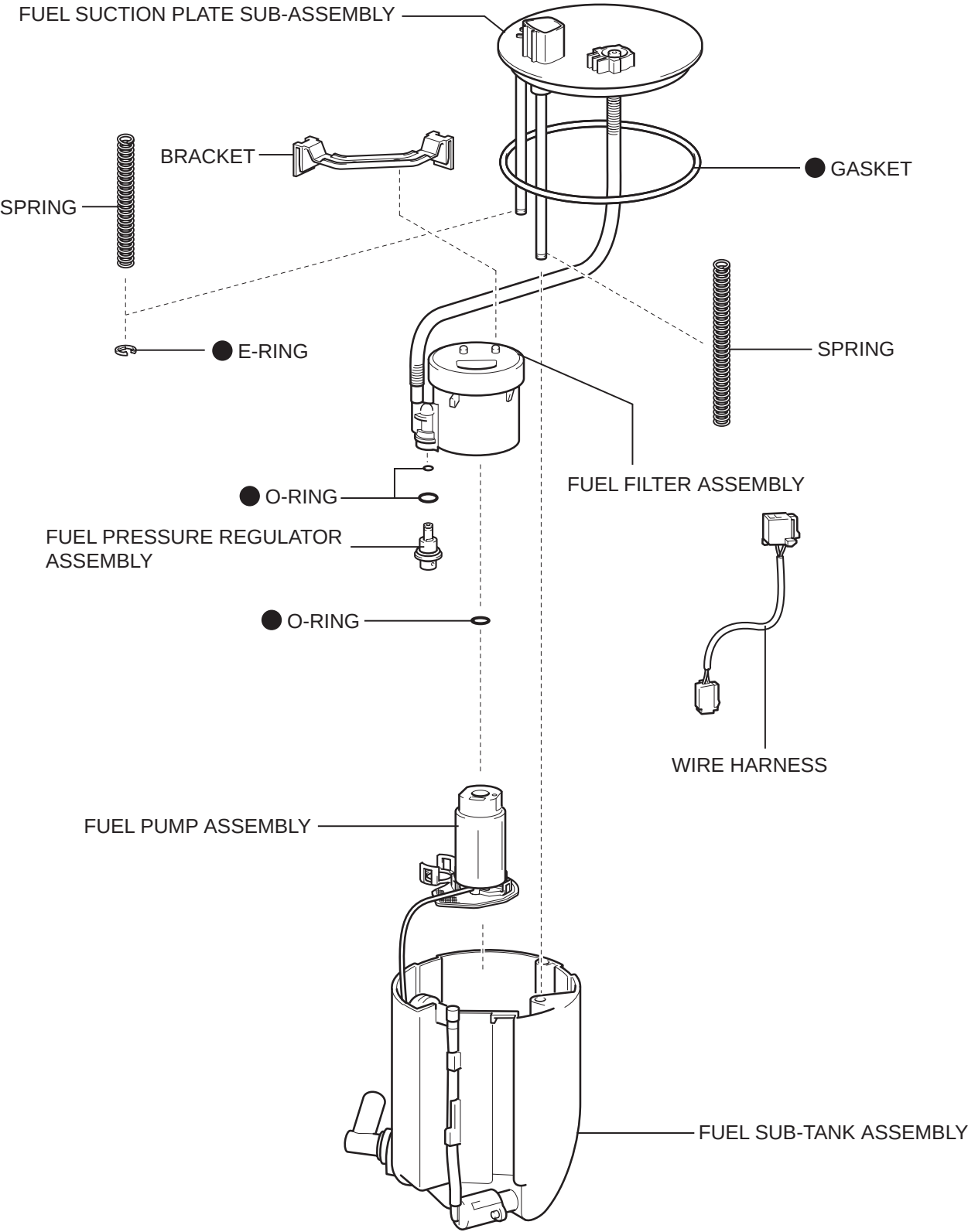
● Non-reusable part

FUEL PRESSURE REGULATOR

COMPONENTS



FU

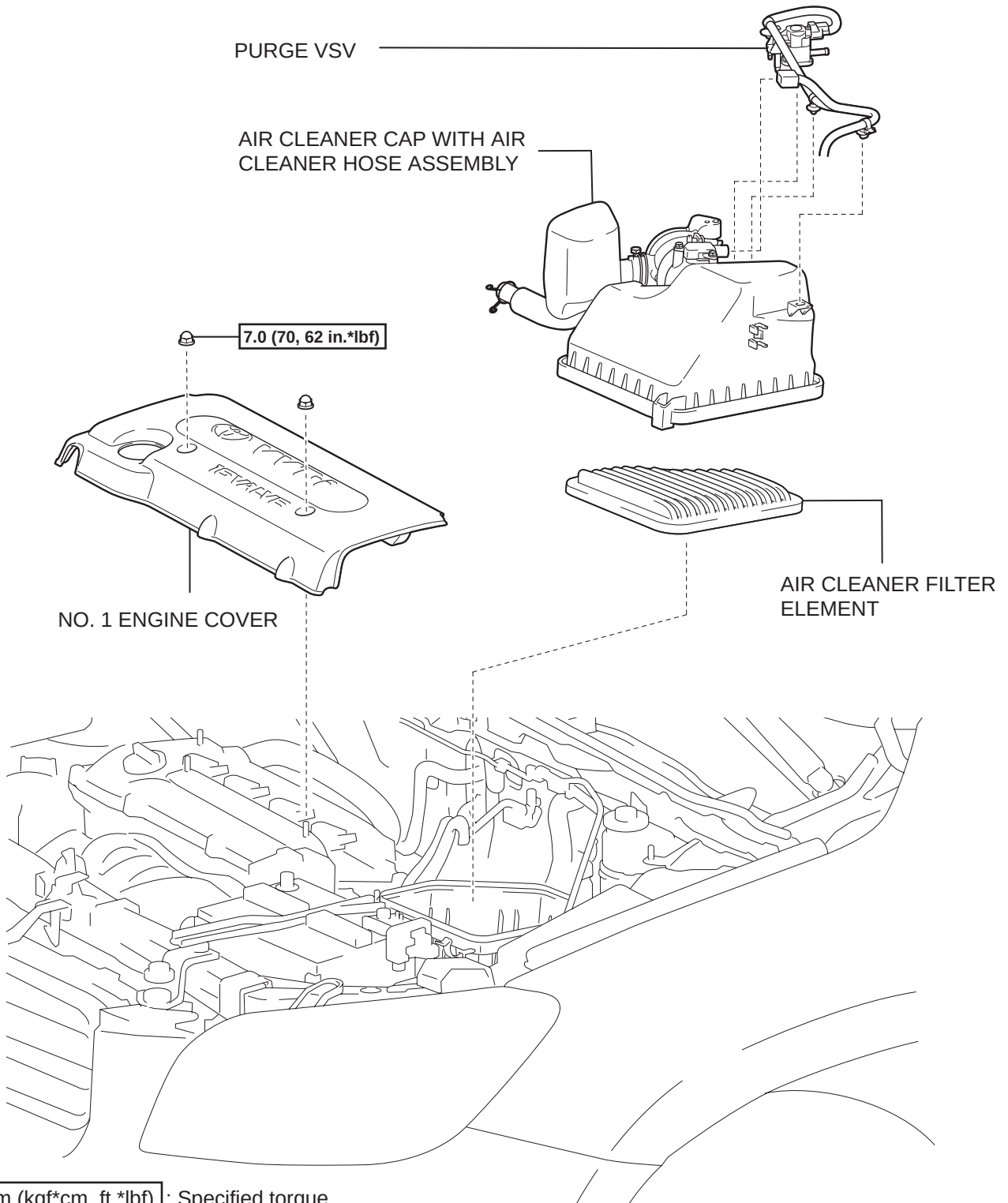


FU

● Non-reusable part

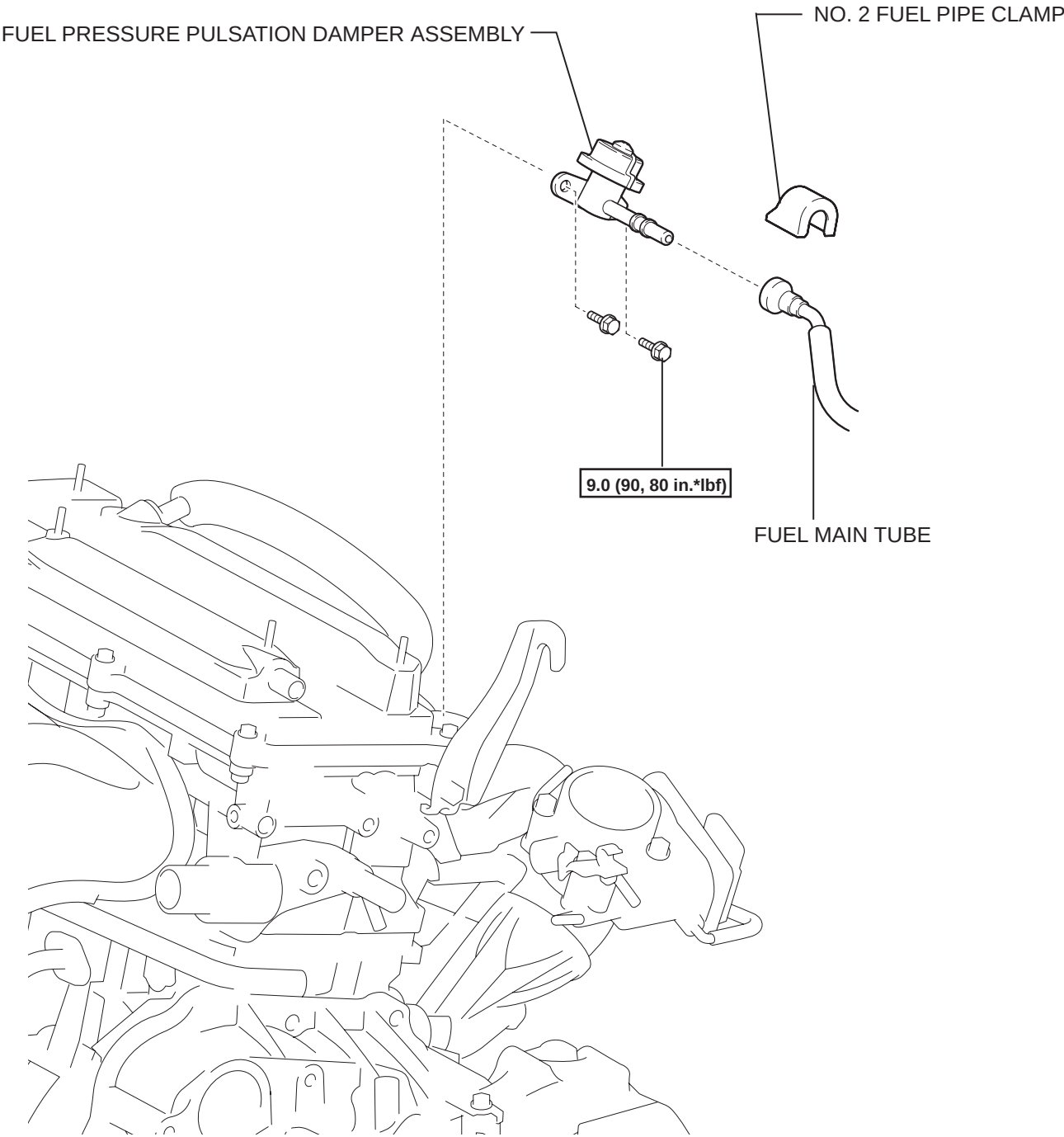
FUEL PRESSURE PULSATION DAMPER

COMPONENTS



FU

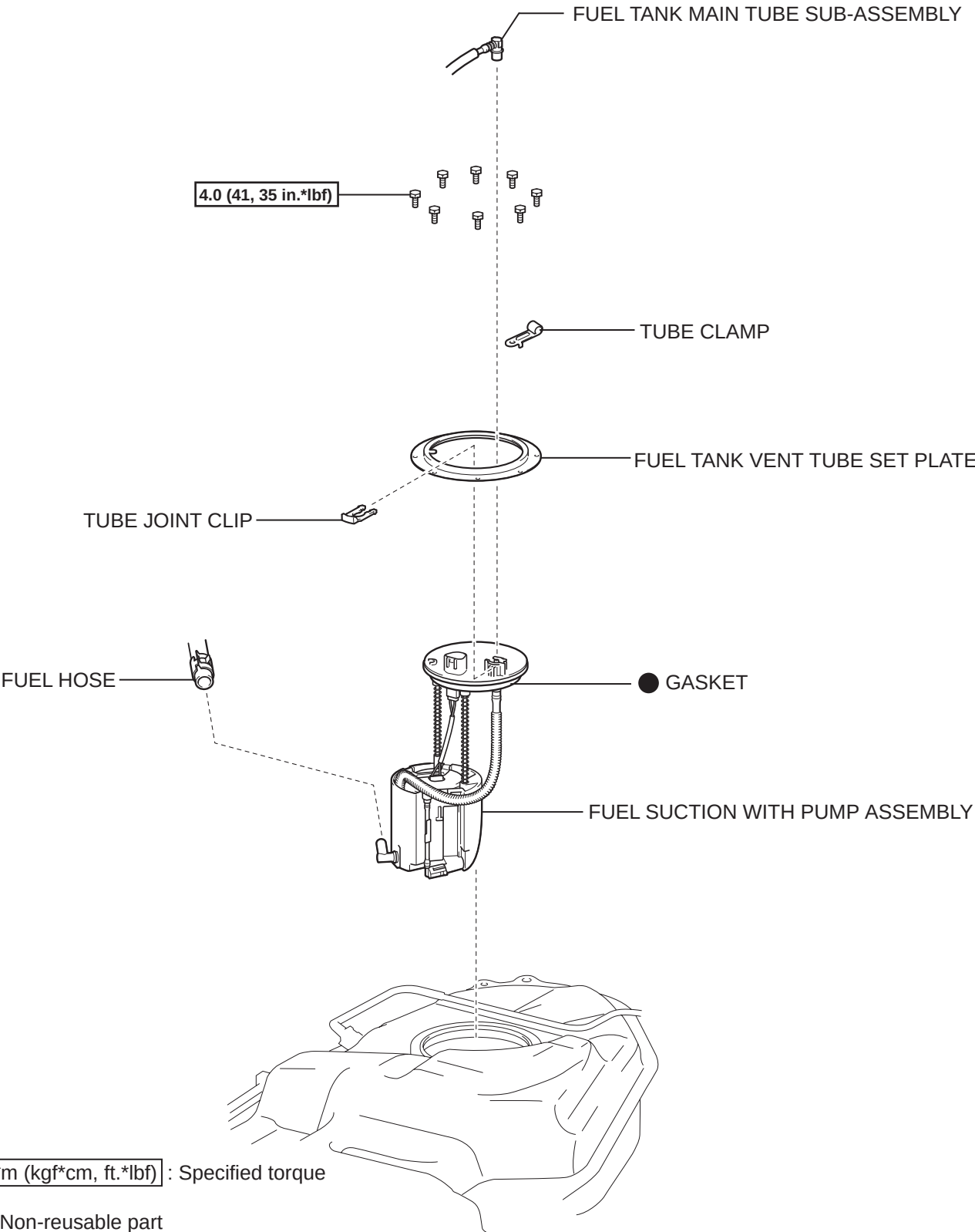
FU

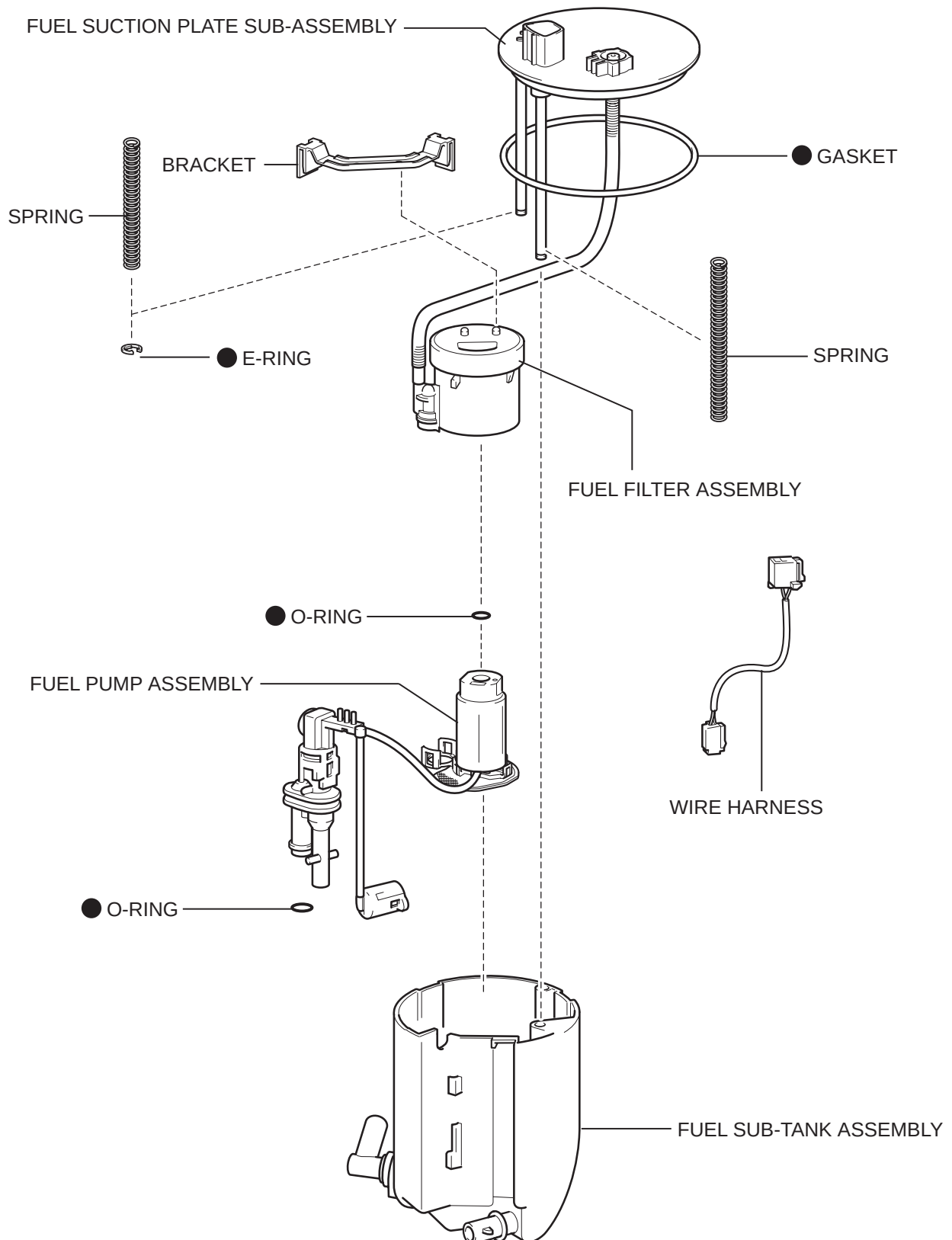


N*m (kgf*cm, ft.*lbf) : Specified torque

FUEL PUMP

COMPONENTS



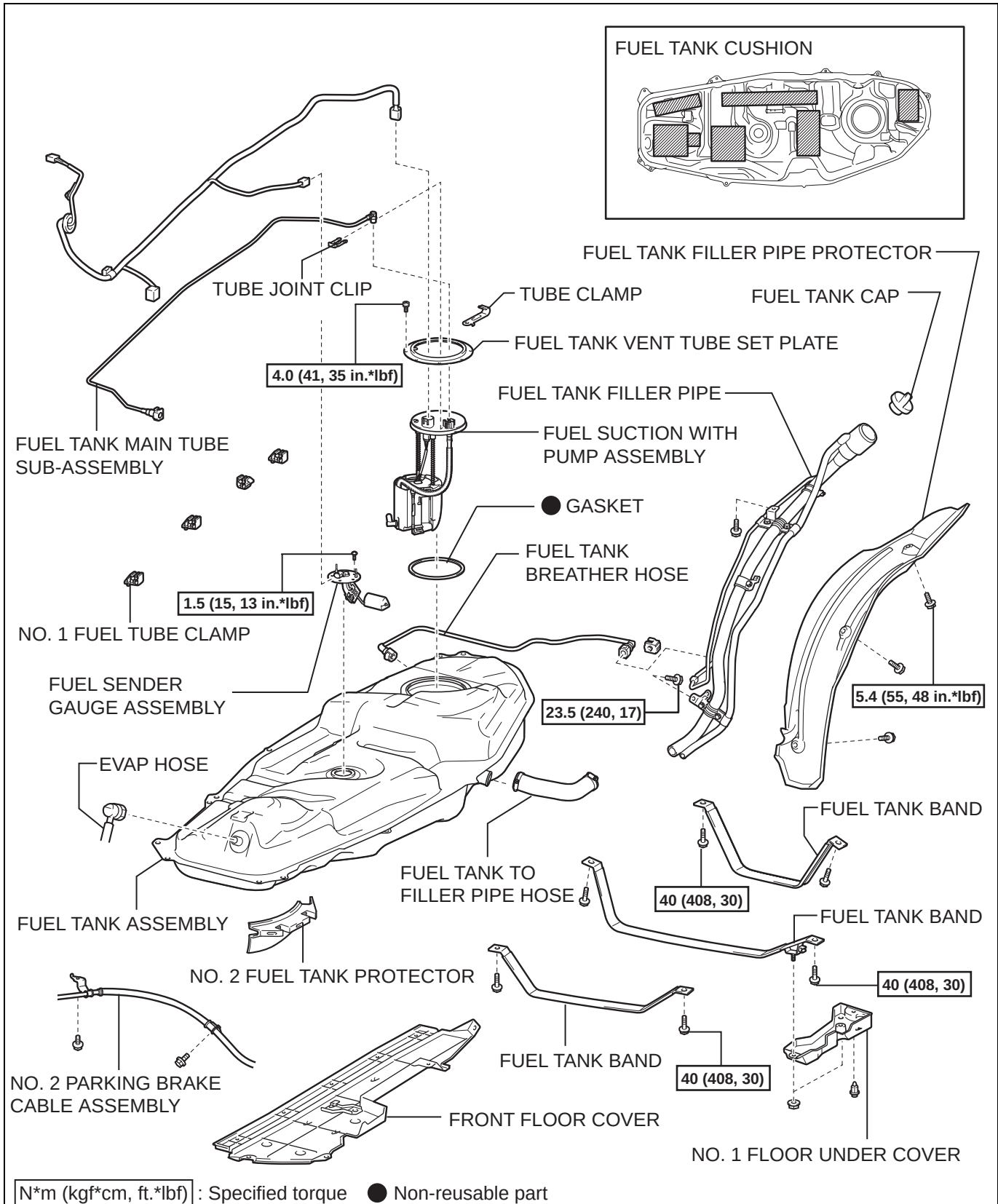


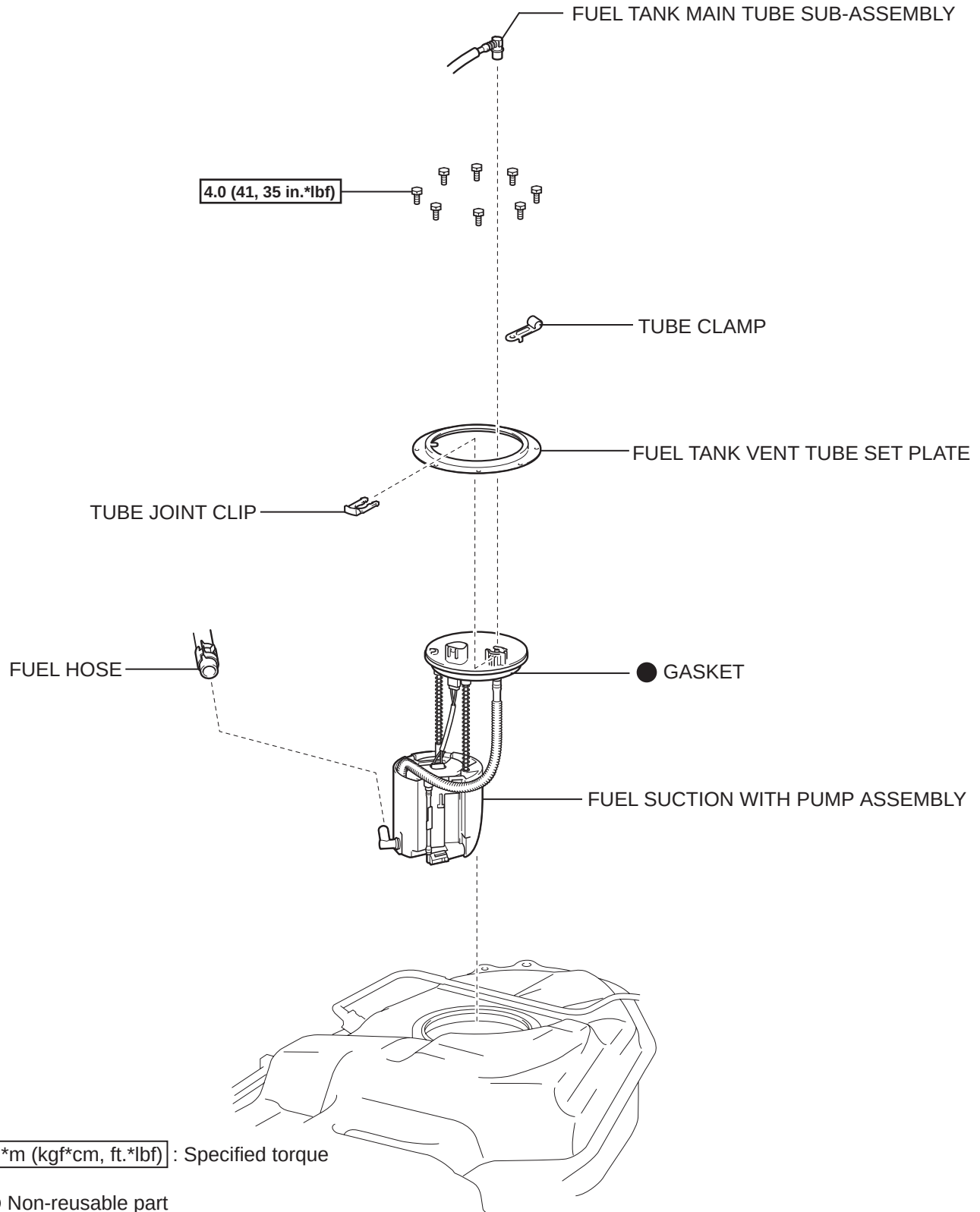
● Non-reusable part

FU

FUEL TANK

COMPONENTS





FU