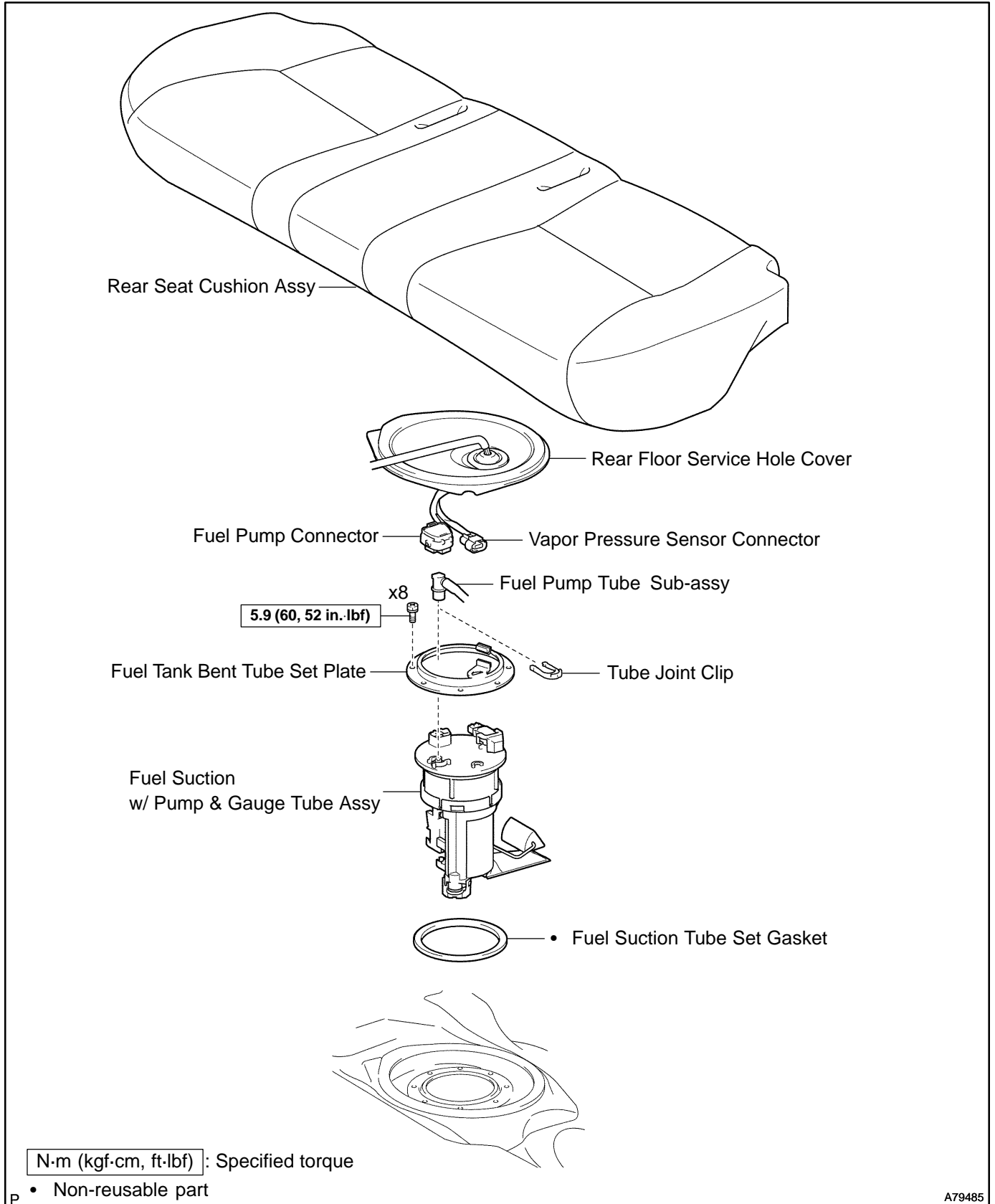
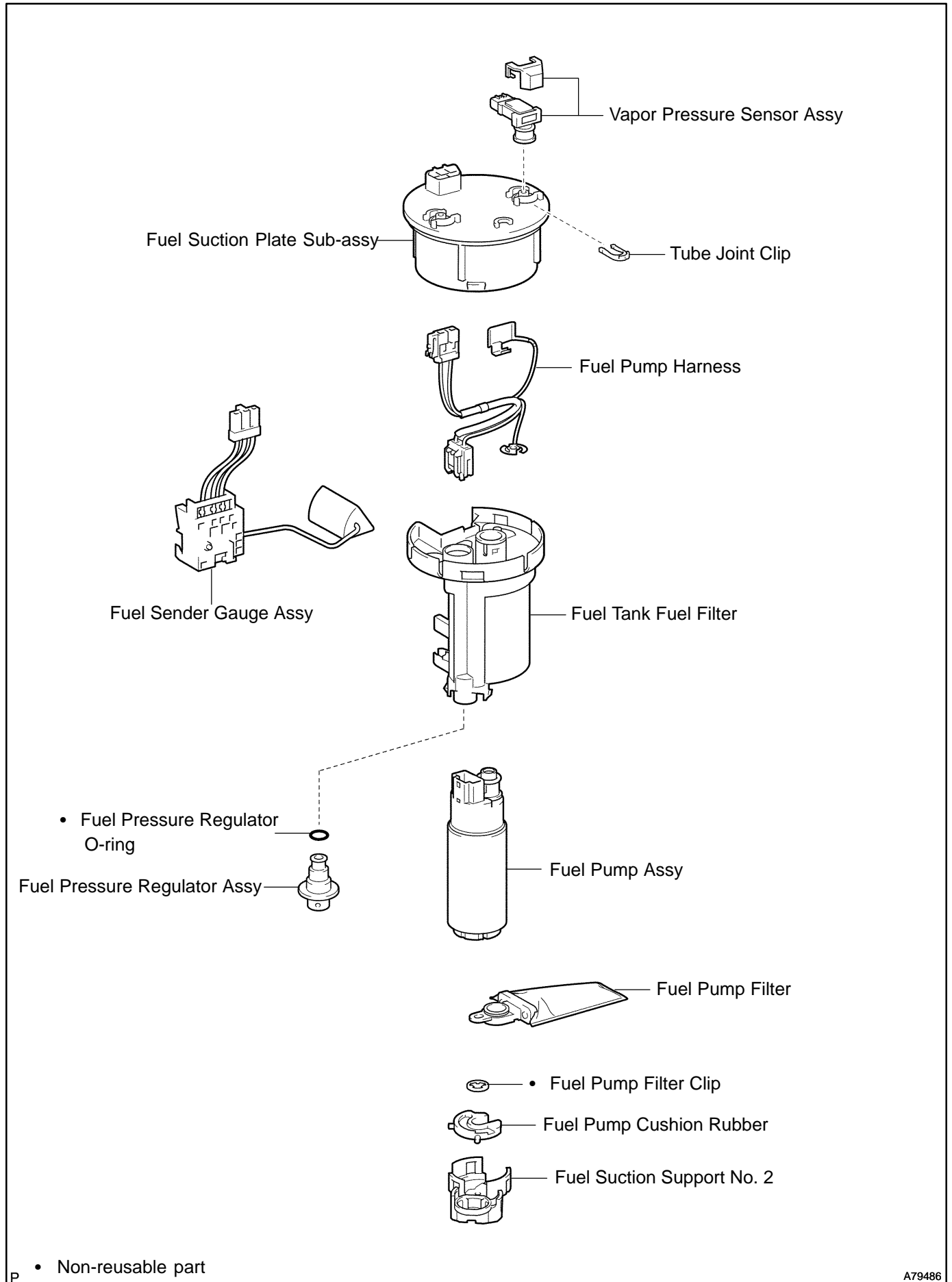


FUEL SUCTION W/ PUMP & GAUGE TUBE ASSY (3MZ-FE) COMPONENTS

110XW-02



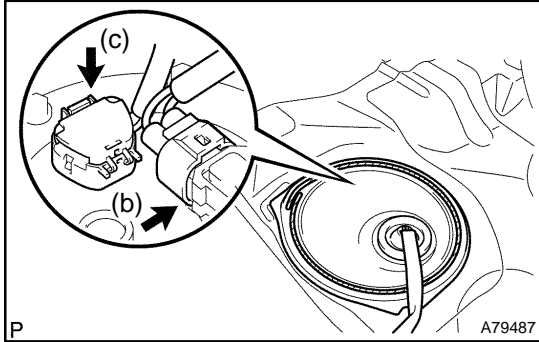
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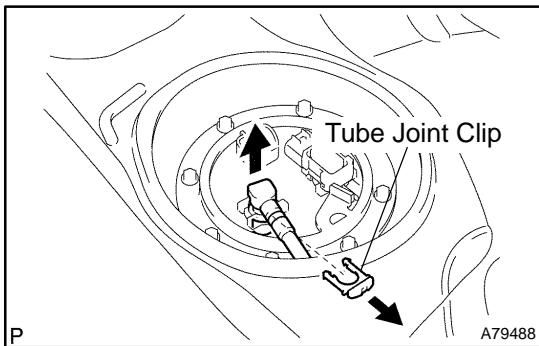
Removal & Installation and Disassembly & Reassembly

1. DISCHARGE FUEL SYSTEM PRESSURE (See page 11-1)
2. DISCONNECT ENGINE WIRE NO. 3 (BATTERY NEGATIVE TERMINAL)
3. REMOVE REAR SEAT CUSHION ASSY (See page 72-39)



4. REMOVE REAR FLOOR SERVICE HOLE COVER

- (a) Remove the rear floor service hole cover.
- (b) Disconnect the vapor pressure sensor connector.
- (c) Disconnect the fuel pump connector.

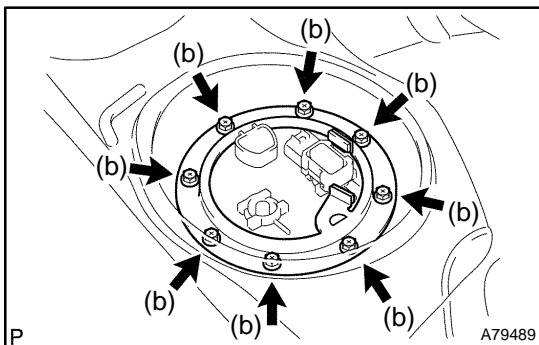
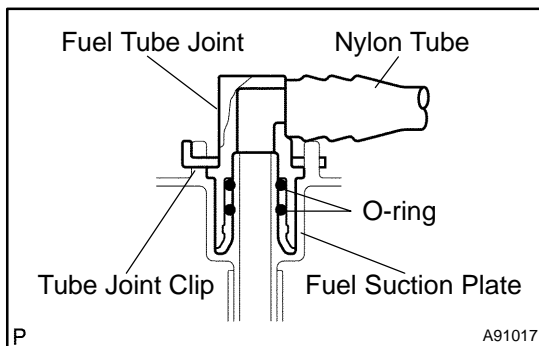


5. REMOVE FUEL SUCTION W/ PUMP & GAUGE TUBE ASSY

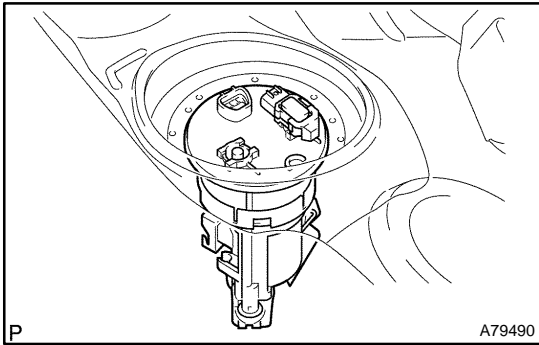
- (a) Remove the tube joint clip, then pull out the fuel pump tube.

NOTICE:

- Check around the connector for dirt or mud before this operation. Remove the dirt if necessary.
- Be careful of mud because the fuel tube joint has an O-ring which seals the pipe and connector that can be contaminated.
- Do not use any tools in this operation.
- Do not bend or twist the nylon tube. Protect the connector by covering it with a vinyl or plastic bag.
- When the pipe and connector are stuck, push and pull the connector to release. Pull the connector carefully.



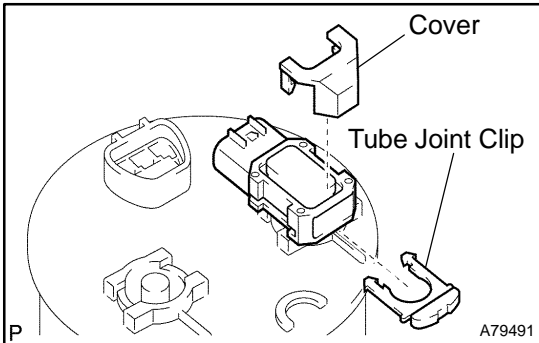
- (b) Remove the 8 bolts, then remove the fuel tank vent tube set plate.



- (c) Remove the fuel suction tube w/ pump & gauge from the fuel tank.

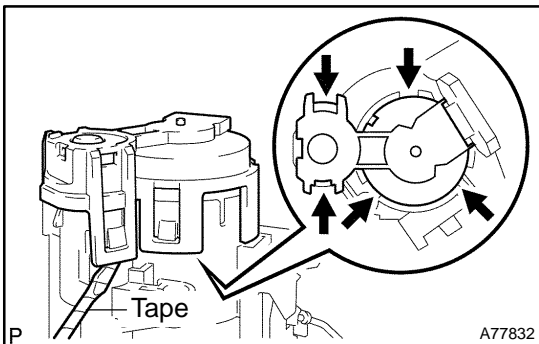
NOTICE:

- Do not damage the fuel pump filter.
 - Do not bend the arm of the fuel sender gauge.
- (d) Remove the gasket from the fuel suction tube w/ pump & gauge.



6. REMOVE VAPOR PRESSURE SENSOR ASSY

- (a) Remove the cover.
 (b) Remove the tube joint clip, then pull out the vapor pressure sensor.

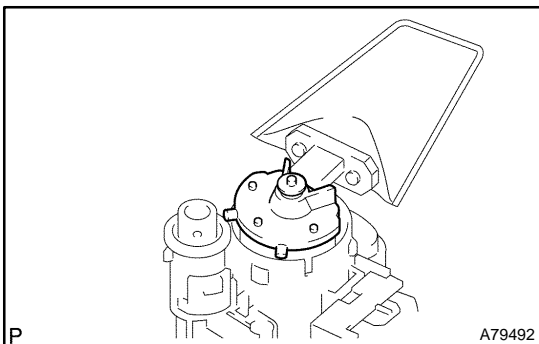


7. REMOVE FUEL SUCTION SUPPORT NO.2

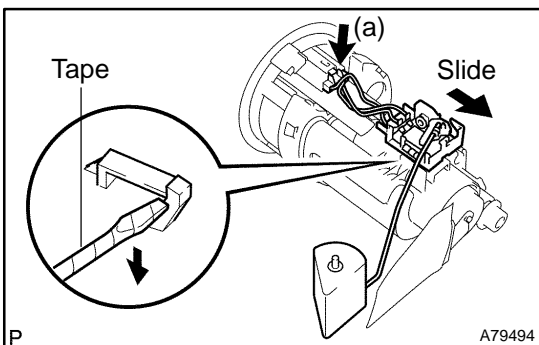
- (a) Using a screwdriver with the tip wrapped in tape, unfasten the 5 claws. Then remove the fuel suction support No. 2.

NOTICE:

Do not damage the fuel suction support No. 2.

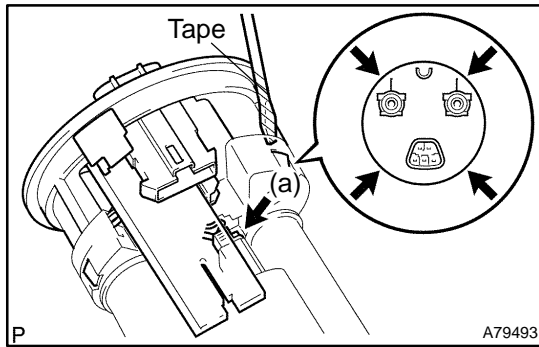


8. REMOVE FUEL PUMP CUSHION RUBBER



9. REMOVE FUEL SENDER GAUGE ASSY

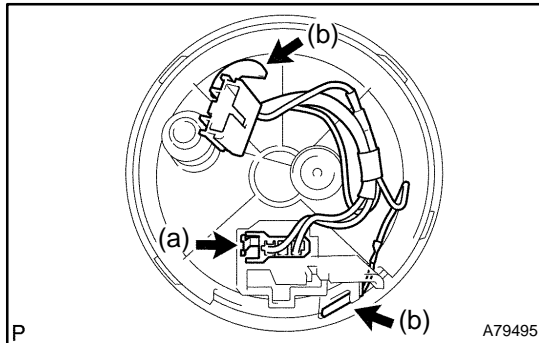
- (a) Disconnect the fuel sender gauge connector.
 (b) Using a screwdriver with the tip wrapped in tape, unfasten the clamp to release the fuel sender gauge. Then slide the fuel sender gauge to remove it from the fuel pump.

**10. REMOVE FUEL SUCTION PLATE SUB-ASSY**

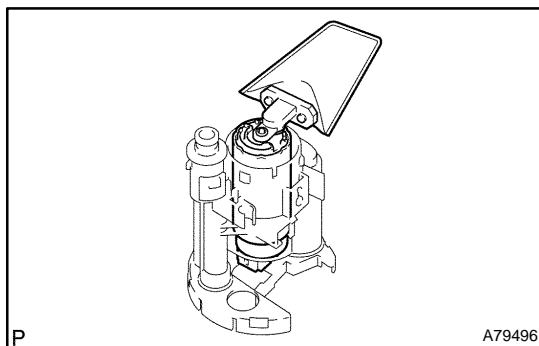
- (a) Disconnect the fuel pump connector.
- (b) Using a screwdriver with the tip wrapped in tape, unfasten the 4 claws. Then pull out the fuel suction plate.

NOTICE:

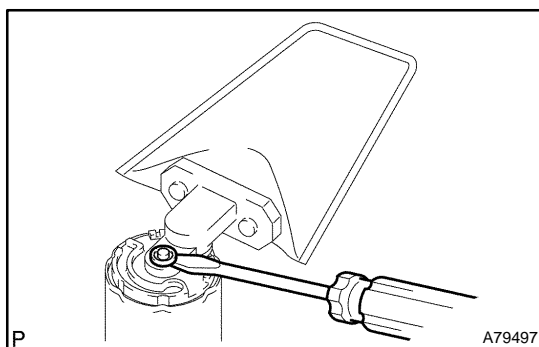
Do not damage the fuel suction plate.

**11. REMOVE FUEL PUMP HARNESS**

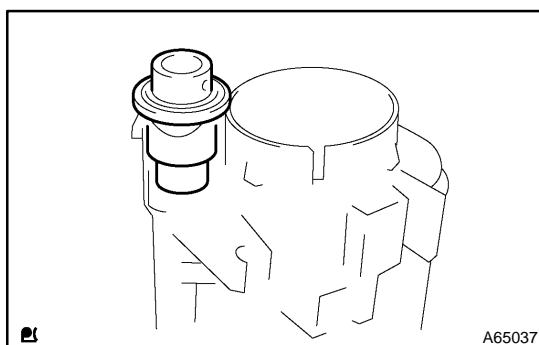
- (a) Disconnect the connector.
- (b) Using a small screwdriver, pry out the fuel pump harness.

**12. REMOVE FUEL PUMP**

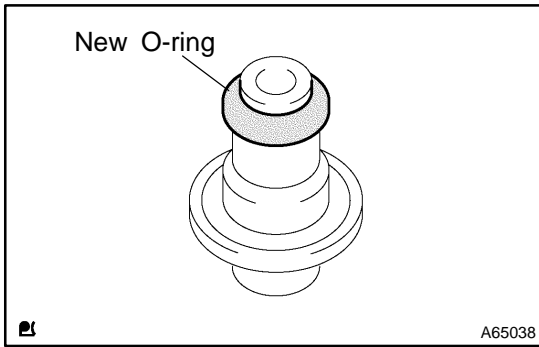
- (a) Pull out the fuel pump from the fuel tank fuel filter.

**13. REMOVE FUEL PUMP FILTER**

- (a) Using a small screwdriver, pry out the clip.
- (b) Pull out the fuel pump filter from the fuel pump.

**14. REMOVE FUEL PRESSURE REGULATOR ASSY**

- (a) Pull out the fuel pressure regulator from the fuel tank fuel filter.
- (b) Remove the O-ring from the fuel pressure regulator.

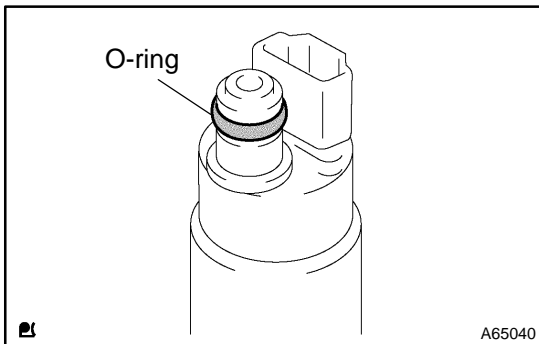


15. INSTALL FUEL PRESSURE REGULATOR ASSY

- (a) Apply a light coat of spindle oil or gasoline to a new O-ring, then install it to the fuel pressure regulator.
- (b) Push in the fuel pressure regulator to the fuel tank fuel filter.

16. INSTALL FUEL PUMP FILTER

- (a) Install the fuel pump filter with a new clip.



17. INSTALL FUEL PUMP

- (a) Apply a light coat of gasoline or spindle oil to the O-ring on the fuel pump.
- (b) Push in the fuel pump to the fuel tank fuel filter.

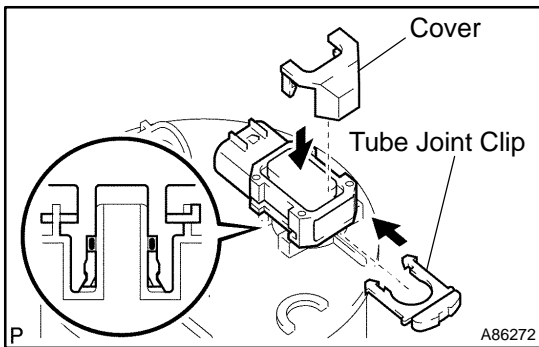
18. INSTALL FUEL PUMP HARNESS

19. INSTALL FUEL SUCTION PLATE SUB-ASSY

20. INSTALL FUEL SENDER GAUGE ASSY

21. INSTALL FUEL PUMP CUSHION RUBBER

22. INSTALL FUEL SUCTION SUPPORT NO.2



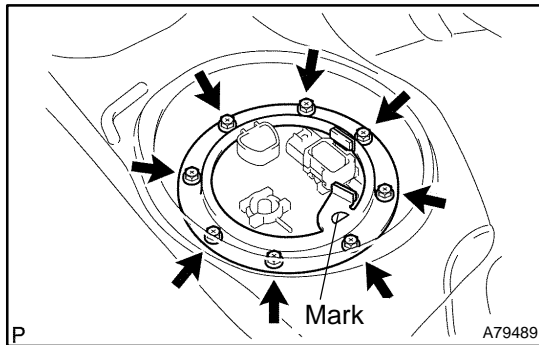
23. INSTALL VAPOR PRESSURE SENSOR ASSY

- (a) Install the vapor pressure sensor with the tube joint clip.

NOTICE:

- Check the connected part for scratch or foreign objects.
- Check that the vapor pressure sensor is inserted securely.
- Check that the tube joint clip is on the collar of the vapor pressure sensor.
- After installing the tube joint clip, check that the vapor pressure sensor has not been pulled off.

- (b) Install the cover.

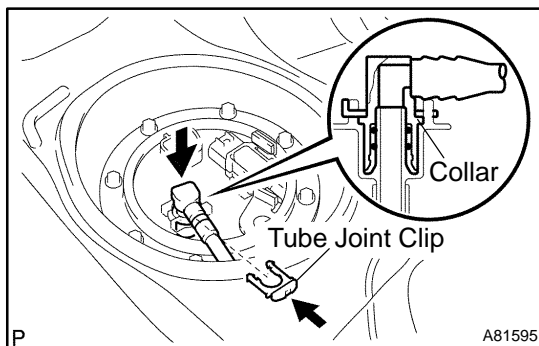


24. INSTALL FUEL SUCTION W/ PUMP & GAUGE TUBE ASSY

- (a) Install a new gasket to the fuel suction tube w/ pump & gauge.
- (b) Install the fuel suction tube w/ pump & gauge to the fuel tank.

NOTICE:

- Do not damage the fuel pump filter.
 - Do not bend the arm of the fuel sender gauge.
- (c) Align the mark of the fuel tank vent tube set plate with the fuel suction tube w/ pump & gauge.
 - (d) Install the fuel tank bent tube set plate with the 8 bolts.
Torque: 5.9 N·m (60 kgf·cm, 52 in.-lbf)



- (e) Install the fuel pump tube with the tube joint clip.

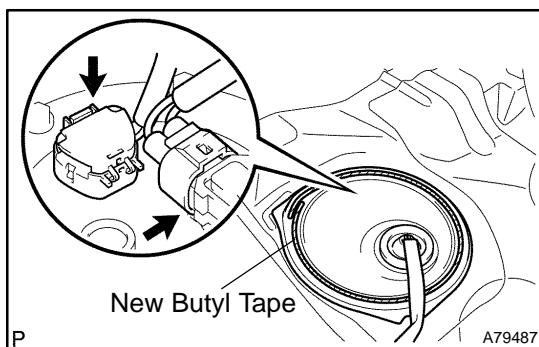
NOTICE:

- Check the connected part for scratch or foreign objects.
- Check that the fuel tube joint is inserted securely.
- Check that the tube joint clip is on the collar of the fuel tube joint.
- After installing the tube joint clip, check that the fuel tube joint has not been pulled off.

25. CONNECT ENGINE WIRE NO. 3 (BATTERY NEGATIVE TERMINAL)

Torque: 5.4 N·m (55 kgf·cm, 48 in.-lbf)

26. CHECK FOR FUEL LEAKS (See page 11-5)



27. INSTALL REAR FLOOR SERVICE HOLE COVER

- (a) Connect the fuel pump connector.
- (b) Connect the vapor pressure sensor connector.
- (c) Using new butyl tape, install the rear floor service hole cover.

28. INSTALL REAR SEAT CUSHION ASSY

29. SYSTEM INITIALIZATION (See page 19-15)