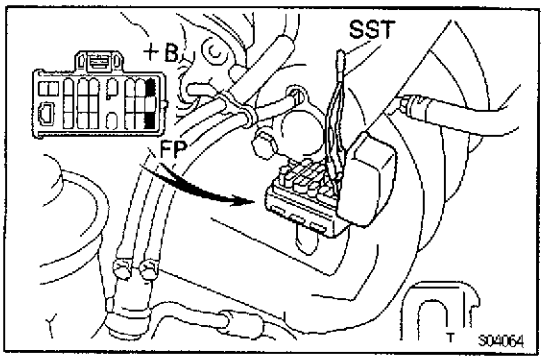
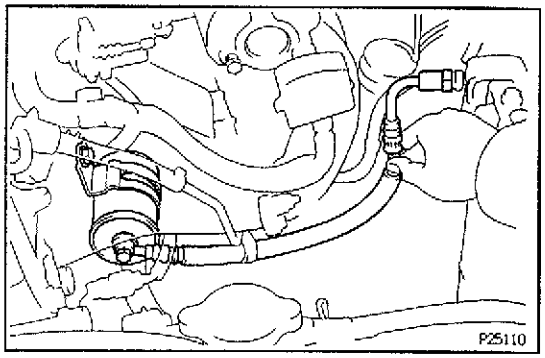
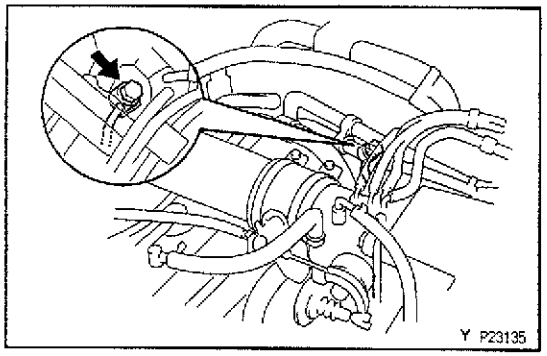
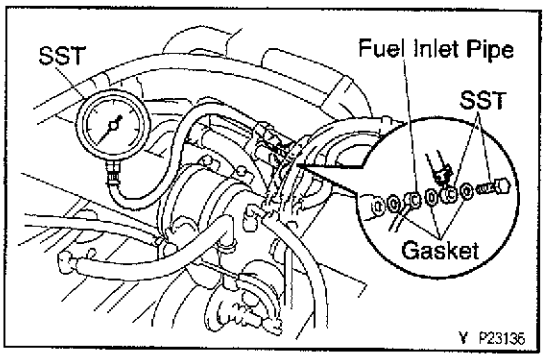








FUEL PUMP

ON–VEHICLE INSPECTION

EG79F–03

1. CHECK FUEL PUMP OPERATION

(a) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

(b) Turn the ignition switch ON.
NOTICE: Do not start the engine.

(c) Check that there is pressure in the hose from the fuel filter.
HINT: At this time, you will hear fuel return noise.
If there is no pressure, check these parts:
- Fusible link
- H–fuse
- Fuses
- EFI main relay
- Circuit opening relay
- Fuel pump
- Wiring connections

(d) Turn the ignition switch OFF.

(e) Remove the SST.
SST 09843–18020

2. CHECK FUEL PRESSURE

(a) Check that the battery voltages is above 12 volts.

(b) Disconnect the negative (–) terminal cable from the battery.

(c) Remove the union bolt and 2 gaskets, and disconnect the fuel inlet hose from the delivery pipe.
HINT:
- Put a suitable container or shop rag under the delivery pipe.
- Slowly loosen the union bolt.

(d) Install the fuel inlet hose and SST (pressure gauge) to the delivery pipe with the 3 gaskets and SST (union bolt).
SST 09268–45012
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(e) Wipe off any splattered gasoline.

(f) Using SST, connect terminals +B and FP of the check connector.
SST 09843–18020

(g) Reconnect the negative (–) terminal cable to the battery.

(h) Turn the ignition switch ON.

(i) Measure the fuel pressure.
Fuel pressure:
265 – 304 kPa (2.7 – 3.1 kgf/cm², 38 – 44 psi)
If pressure is high, replace the fuel pressure regulator.

EG

If pressure is low, check these parts:

- Fuel hoses and connections
- Fuel pump
- Fuel filter
- Fuel pressure regulator

(j) Remove the SST.
SST 09483–18020

(k) Start the engine.

(l) Disconnect the vacuum sensing hose from the fuel pressure regulator, and plug the hose end.

(m) Measure the fuel pressure at idle.
Fuel pressure:
265 – 304 kPa (2.7 – 3.1 kgf/cm², 38 – 44 psi)

(n) Reconnect the vacuum sensing hose to the fuel pressure regulator.

(o) Measure the fuel pressure at idle.
Fuel pressure:
265 – 304 kPa (2.7 – 3.1 kgf/cm², 38 – 44 psi)
If pressure is not as specified, check the vacuum sensing hose and fuel pressure regulator.

(p) Stop the engine.

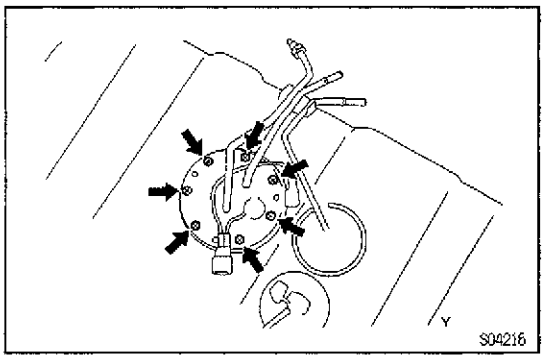
(q) Check that the fuel pressure remains as specified for 5 minutes after the engine is stopped.
Fuel pressure:
147 kPa (1.5 kgf/cm², 21 psi) or more
If pressure is not as specified, check the fuel pump, pressure regulator and/or injector.

(r) After checking fuel pressure, disconnect the negative (–) terminal cable from the battery and carefully remove the SST to prevent gasoline from splashing.
SST 09268–45012

(s) Reconnect the fuel inlet hose to the delivery pipe with 2 new gaskets and the union bolt.
Torque: 29 N·m (300 kgf·cm, 22 ft·lbf)

(t) Reconnect the negative (–) terminal cable to the battery.

(u) Check for fuel leakage.



MAIN FUEL PUMP REMOVAL

EG5AZ–06

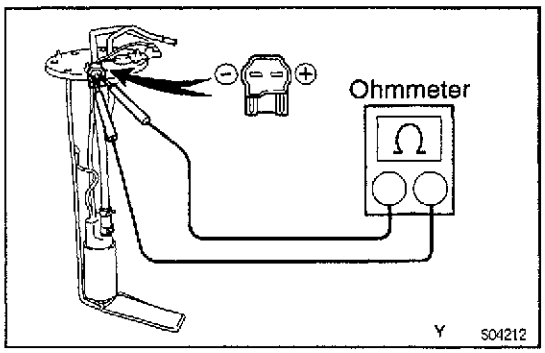
CAUTION: Do not smoke or work near an open flame when working on the fuel pump.

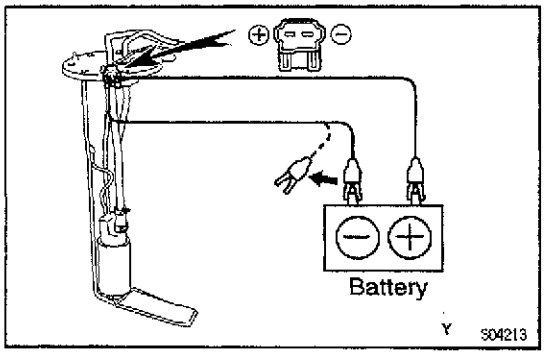
REMOVE FUEL PUMP BRACKET ASSEMBLY FROM FUEL TANK

(a) Remove the 7 bolts.
Torque: 3.5 N·m (35 kgf·cm, 31 in.·lbf)

(b) Pull out the pump bracket assembly.

(c) Remove the gasket from the pump bracket.
INSTALLATION HINT: Use a new gasket to the pump bracket.





MAIN FUEL PUMP INSPECTION

EG7BG–02

1. INSPECT MAIN FUEL PUMP RESISTANCE

Using an ohmmeter, measure the resistance between the terminals + and –.

Resistance:

At 20°C (68°F): 0.2 – 3.0 Ω

If the resistance is not as specified, replace the main fuel pump and/or lead wire.

2. INSPECT MAIN FUEL PUMP OPERATION

Connect the positive (+) lead from the battery to terminal of the connector, and the negative (–) lead to terminal. Check that the main fuel pump operates.

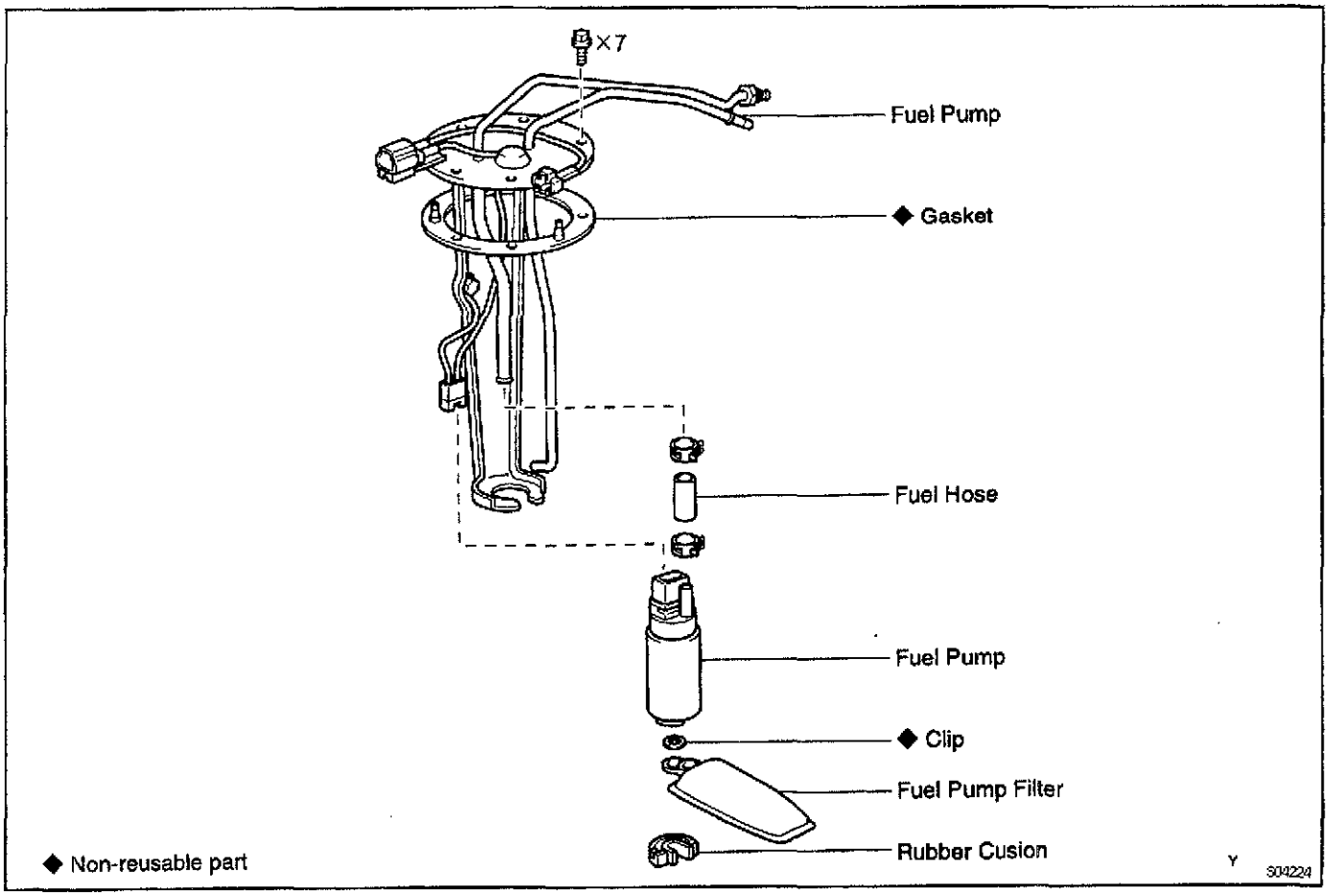
NOTICE:

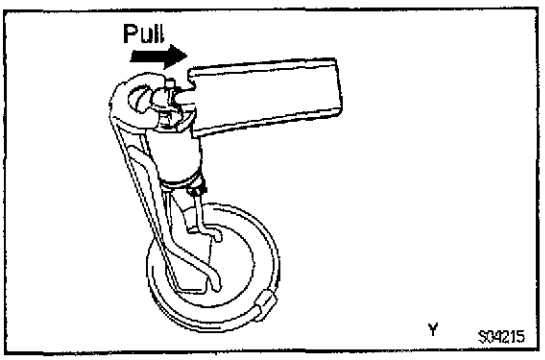
- **These tests must be done quickly (within 10 seconds) to prevent the coil from burning out.**
- **Keep the main fuel pump as far away from the battery as possible.**
- **Always do the switching at the battery side.**

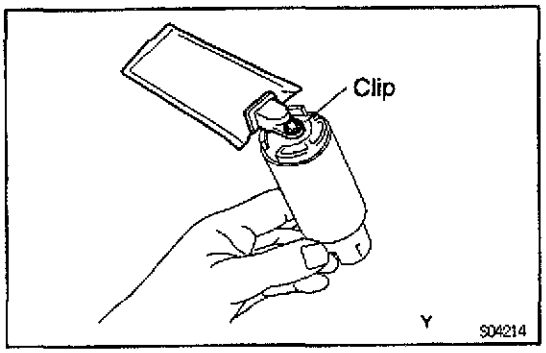
If operation is not as specified, replace the main fuel pump and/or lead wire.

EG

COMPONENTS FOR DISASSEMBLY AND ASSEMBLY







MAIN FUEL PUMP DISASSEMBLY

1. **REMOVE FUEL PUMP LEAD WIRE**
2. **REMOVE MAIN FUEL PUMP FROM FUEL PUMP BRACKET**

(a) Pull off the lower side of the main fuel pump from the pump bracket.

(b) Disconnect the fuel hose from the main fuel pump, and remove the main fuel pump.

(c) Remove the rubber cushion from the main fuel pump.

4. **REMOVE FUEL PUMP FILTER FROM MAIN FUEL PUMP**

(a) Using a small screwdriver, remove the clip.

(b) Pull out the pump filter.

INSTALLATION HINT: Install the pump filter with a new clip.

EG64V-03

MAIN FUEL PUMP ASSEMBLY

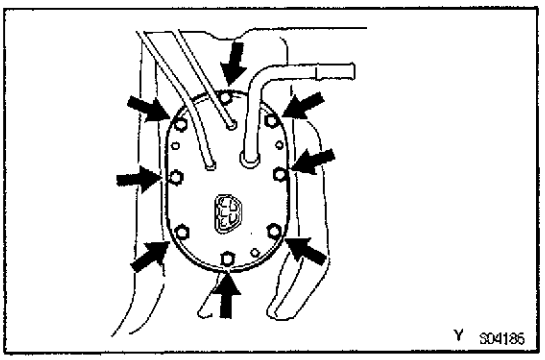
Assembly is in the reverse order of disassembly.

EG64W-03

MAIN FUEL PUMP INSTALLATION

Installation is in the reverse order of removal.

EG



EG79J-01

SUB FUEL PUMP REMOVAL

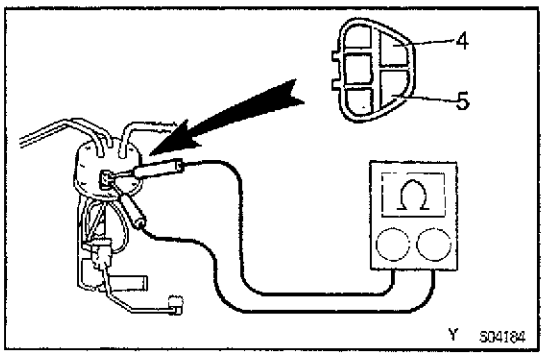
CAUTION: Do not smoke or work near an open flame when working on the sub fuel pump.

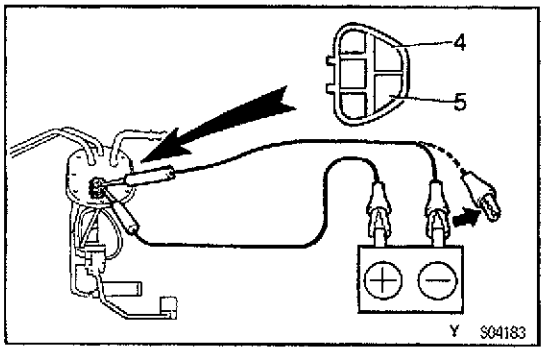
REMOVE FUEL PUMP BRACKET ASSEMBLY FROM FUEL TANK

(a) Remove the 8 bolts.
Torque: 3.5 N·m (35 kgf·cm, 31 in.·lbf)

(b) Pull out the pump bracket assembly.

(c) Remove the gasket from the pump bracket.
INSTALLATION HINT: Use a new gasket to the pump bracket.





EG79K-01

SUB FUEL PUMP INSPECTION

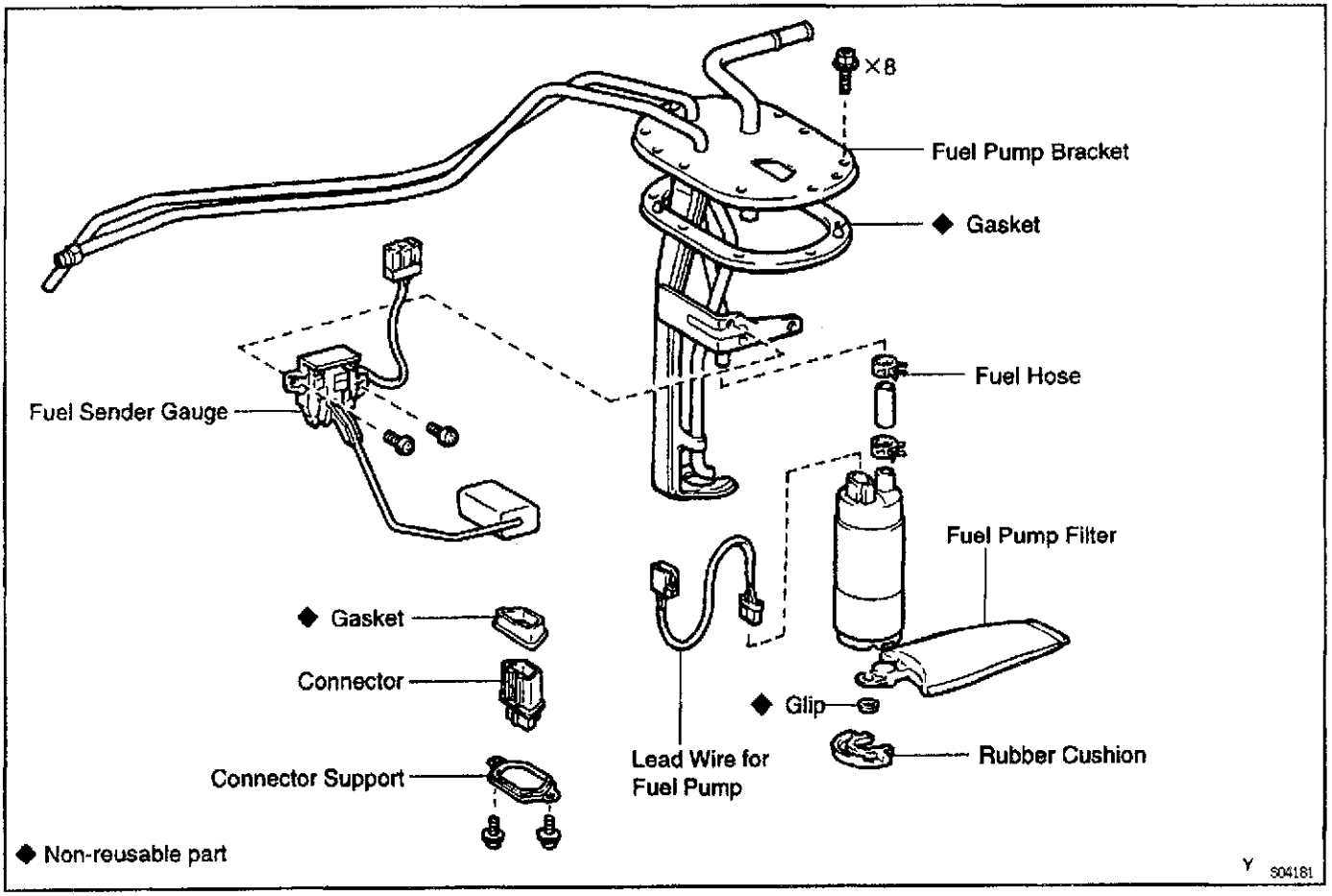
1. **INSPECT SUB FUEL PUMP RESISTANCE**
Using an ohmmeter, measure the resistance between the terminals 4 and 5.
Resistance: At 20°C (68°F): 0.2 – 3.0 Ω
If the resistance is not as specified, replace the sub fuel pump and/or lead wire.

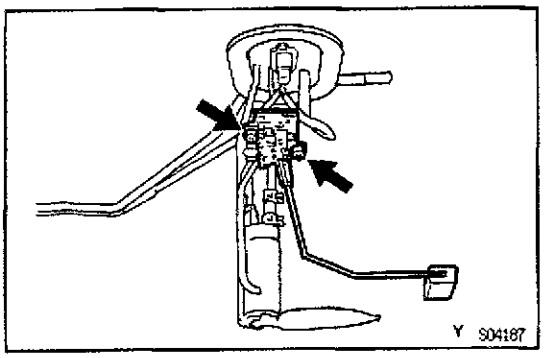
2. **INSPECT SUB FUEL PUMP OPERATION**
Connect the positive (+) lead from the battery to terminal 4 of the connector, and the negative (–) lead to terminal 5. Check that the sub fuel pump operates.
- **These tests must be done quickly (within 10 seconds) to prevent the coil from burning out.**
- **Keep the sub fuel pump as far away from the battery as possible.**
- **Always do the switching at the battery side.**

If operation is not as specified, replace the sub fuel pump and/or lead wire.

COMPONENTS FOR DISASSEMBLY AND ASSEMBLY

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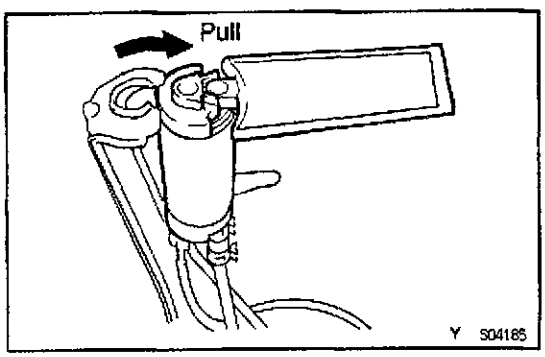




SUB FUEL PUMP DISASSEMBLY

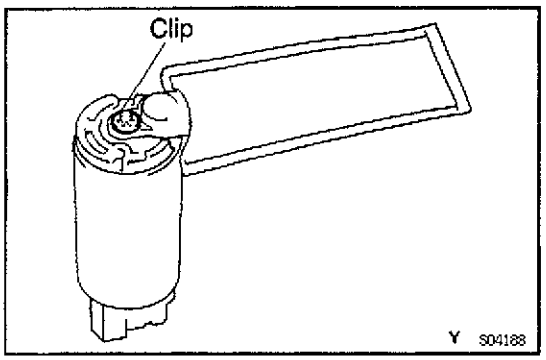
1. **REMOVE FUEL PUMP LEAD WIRE**
2. **REMOVE FUEL SENDER GAUGE FROM FUEL PUMP BRACKET**

(a) Disconnect the fuel sender gauge connector.
(b) Remove the 2 screws and sender gauge.



3. **REMOVE SUB FUEL PUMP FROM FUEL PUMP BRACKET**

(a) Pull off the lower side of the sub fuel pump from the pump bracket.
(b) Disconnect the fuel hose from the sub fuel pump, and remove the sub fuel pump.
(c) Remove the rubber cushion from the sub fuel pump.

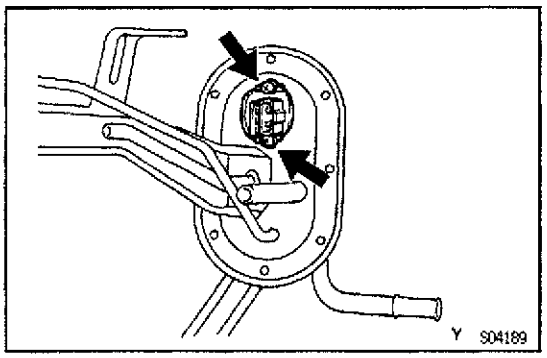


4. REMOVE FUEL PUMP FILTER FROM SUB FUEL PUMP

(a) Using a small screwdriver, remove the clip.

(b) Pull out the pump filter.

INSTALLATION HINT: Install the pump filter with a new clip.



5. REMOVE CONNECTOR

Remove the 2 screws, connector support, connector and gasket.

INSTALLATION HINT: Install the connector with a new gasket.

SUB FUEL PUMP ASSEMBLY

EG70K-01

Assembly is in the reverse order of disassembly.

SUB FUEL PUMP INSTALLATION

EG70P-01

Installation is in the reverse order of removal.