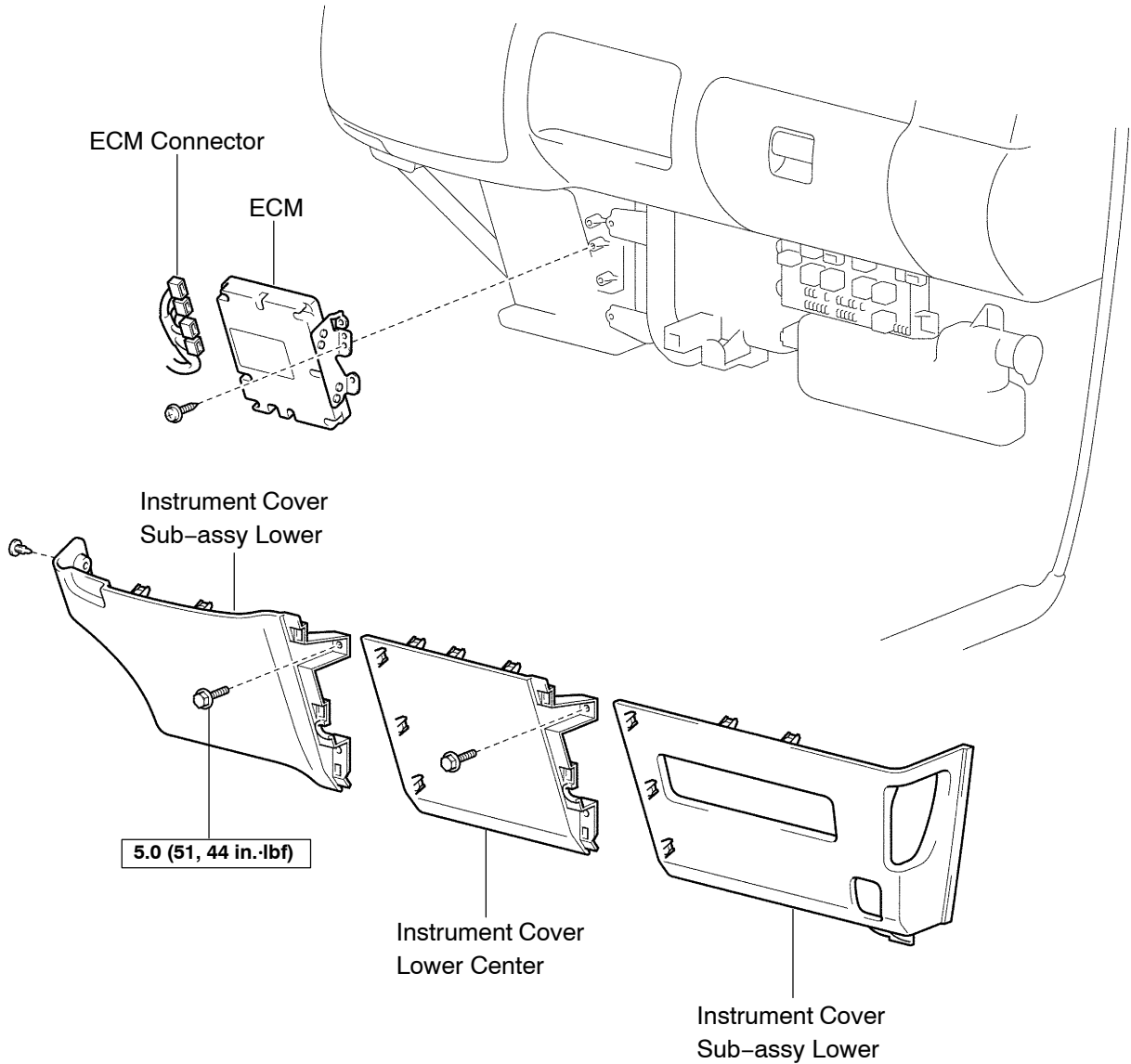


ECM (S05C-TB) COMPONENTS

100E0-01

LHD Models

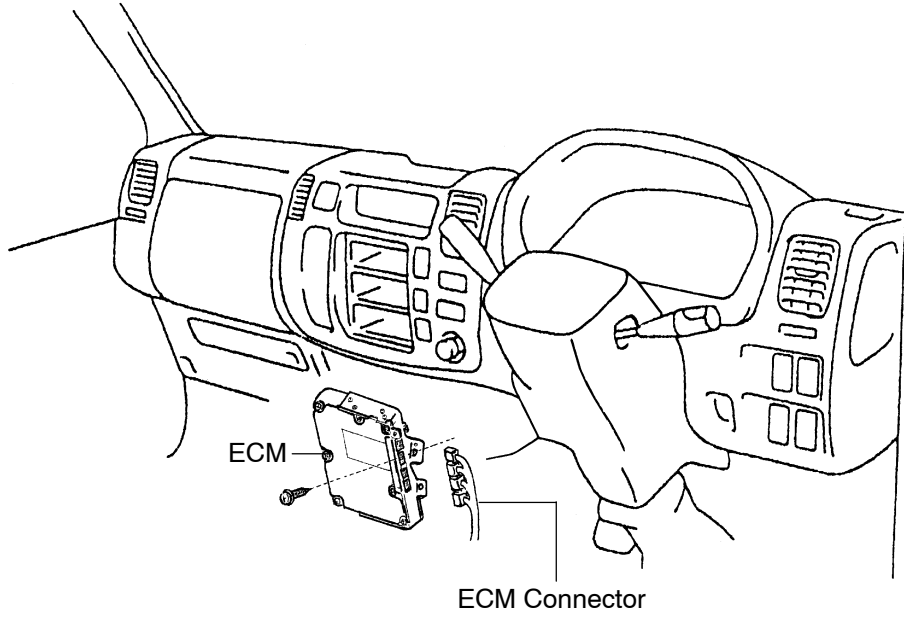


N·m (kgf·cm, ft·lbf) : Specified torque

P

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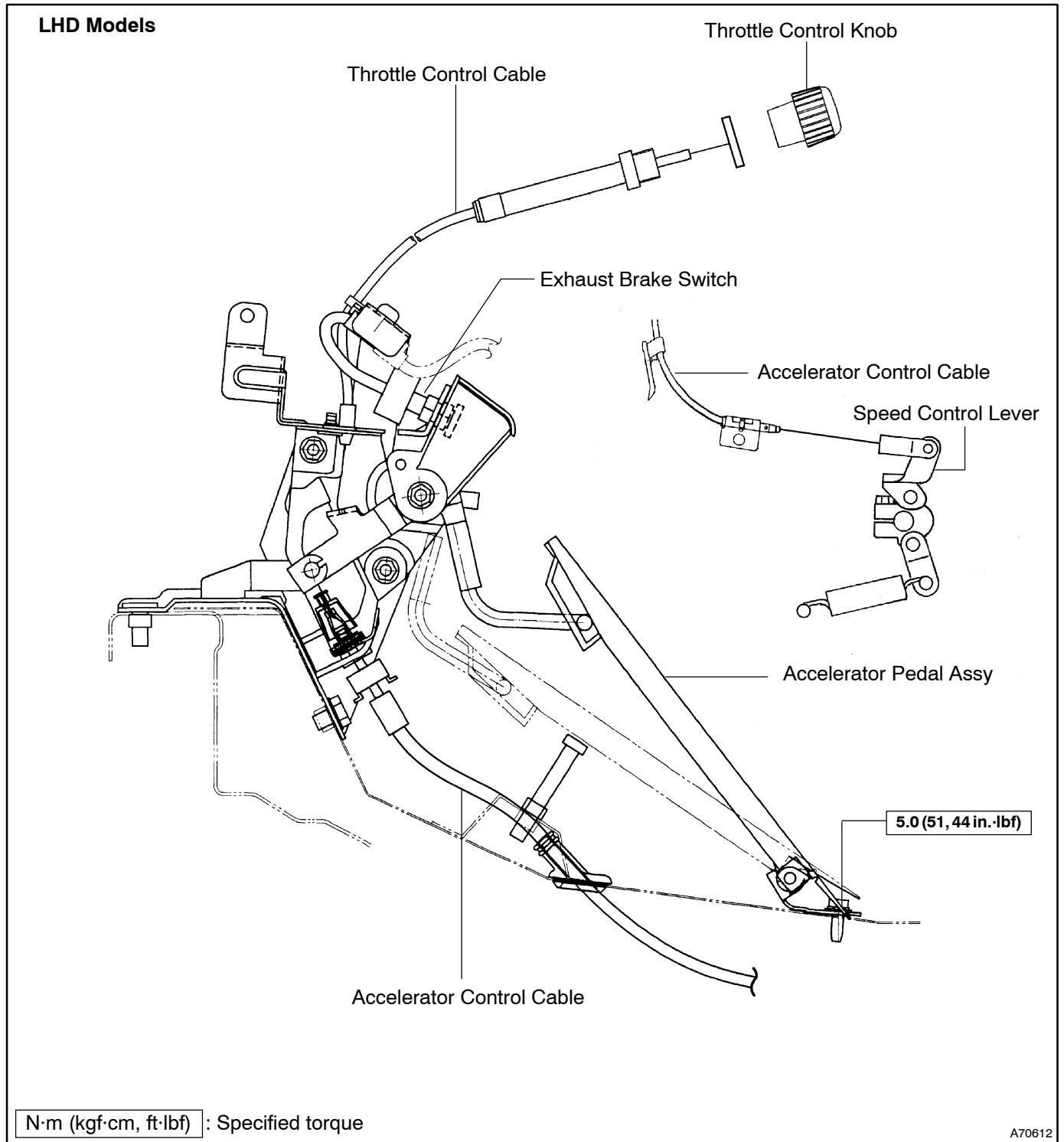
RHD Models



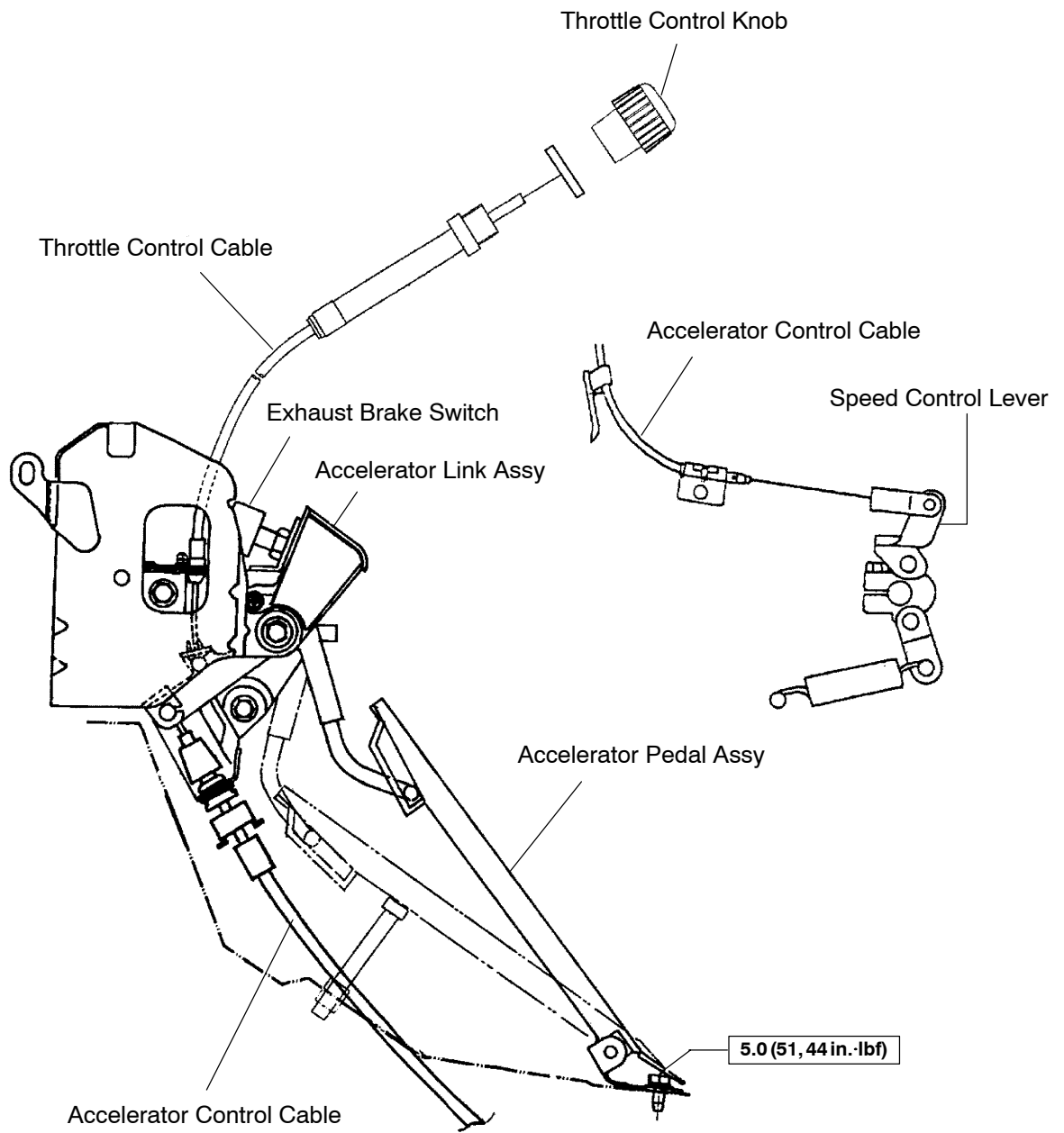
ACCELERATOR LINK ASSY (W04D-J)

COMPONENTS

100E1-01

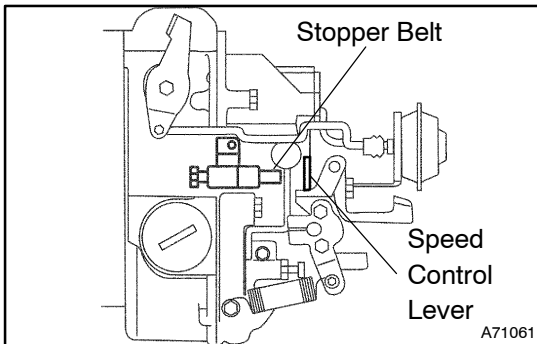


RHD Models



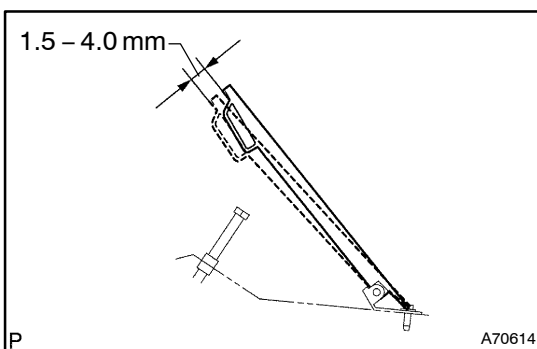
N·m (kgf·cm, ft·lbf) : Specified torque

ADJUSTMENT



1. ADJUST OUTLINE

- (a) When the accelerator pedal is depressed fully, the governor speed control lever shall come into contact with the stopper bolt.

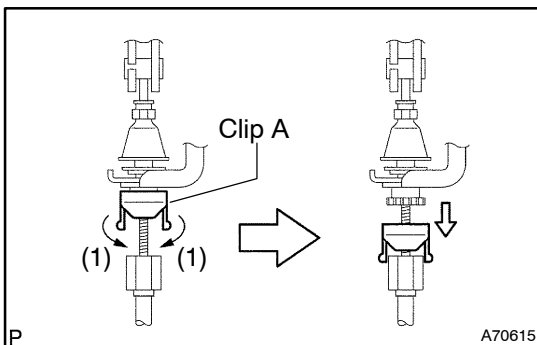


2. ADJUST ACCELERATOR PEDAL PLAY

- (a) Adjust the pedal play.
Pedal play: 1.5 - 4.0 mm (0.06 - 0.16 in.)

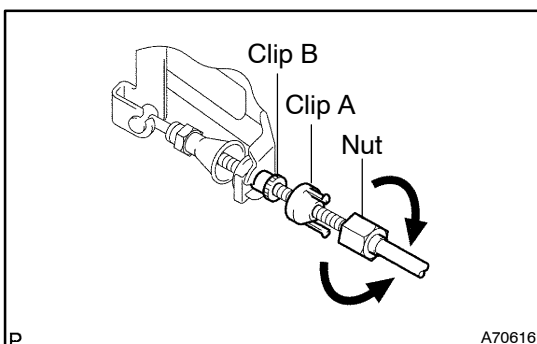
NOTICE:

When the pedal is returned the exhaust brake switch shall be pushed in.

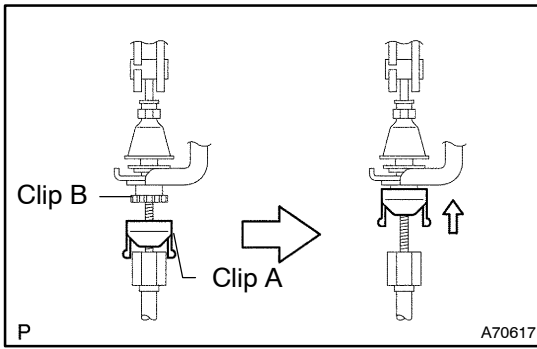


3. ADJUST ACCELERATOR CONTROL CABLE

- (a) Grasp the lock of clip A of the accelerator cable on the side of the accelerator link assembly in direction (1) and lower clip A.



- (b) Turn the nut of the cable and adjust the play of the accelerator pedal.
- (1) Turn to right (the wire becomes loose) when there is no play.
 - (2) Turn to the left (the wire is tightened) when the play is large.



(c) After adjustment of the pedal play, fix clip A to clip B.

FUEL

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FUEL SYSTEM (14B)

110RK-01

ON-VEHICLE INSPECTION

1. FUEL CUT SOLENOID ASSY

(a) Check the operation.

(1) Check that the engine stops when the fuel cut solenoid connector is disconnected while idling.

2. FUEL CUT SOLENOID ASSY (FCV SYSTEM)

(a) Check the operation.

(1) Check the FCV operating sound after the water temperature sensor connector is disconnected while idling.

3. POWER BALANCE

(a) Check the power balance.

(1) Check how the engine revolution changes and how the engine oscillates while idling by loosening and tightening the flare nut for the injection pipe on the nozzle side as slowly as possible.

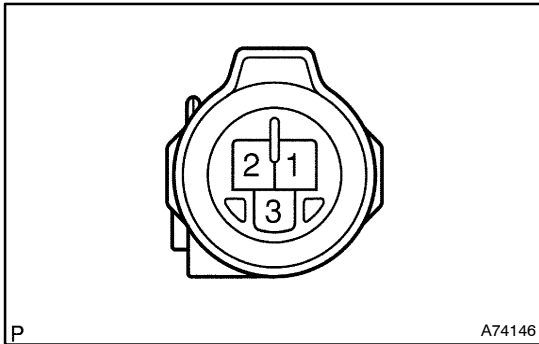
NOTICE:

To prevent the fuel from spilling out, use cloth to cover it.

HINT:

- The engine revolution does not decrease, or there is a cylinder which has little change (→ Power of the cylinder is weak).
- There are some cylinders which engine revolutions become stable by loosening the flare nut and draining a little amount of the fuel injection (→ Power of the cylinder is strong).

INSPECTION

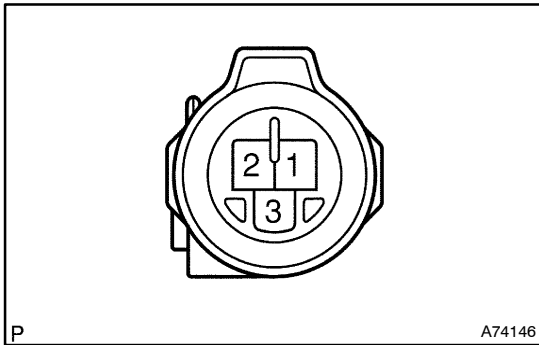


1. INSPECT FUEL CUT SOLENOID ASSY

- (a) Check the continuity.
- (1) Using the electrical tester, check the continuity between terminal 3 of the connector and body ground.

Standard: Continuity

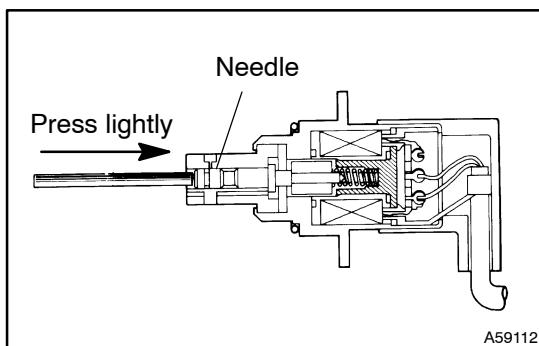
- (b) Inspect the operation.
- (1) Check that the solenoid is sucked when the battery positive is connected to a terminal of the fuel cut solenoid assembly and the body is grounded.
- (2) Check that the solenoid recovers if connection between the body and ground is cut under the (1) condition.



- (c) Check the continuity.
- (1) Using the electrical tester, check the continuity between terminal 1 of the connector and body ground.

Standard: Continuity

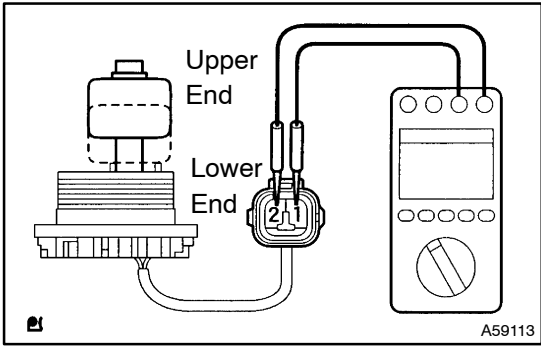
- (d) Inspect the operation.
- (1) Check that the solenoid is sucked when the battery positive is connected to a terminal of the fuel cut solenoid assembly (FCV) and the body is grounded.



- (2) Check that the needle moves smoothly without resistance when the needle on the tip of the fuel cut solenoid assembly (FCV) is lightly pressed.

HINT:

Stroke of the needle: 0.68 mm (0.0268 in.)



2. INSPECT LEVEL WARNING SWITCH

- (a) Using the electrical tester, check the continuity.
 - (1) Check the continuity between the terminals.

Standard:

Float Position	Specified Condition
Upper end of float	Continuity
Lower end of float	No continuity

FUEL FILTER ELEMENT (14B)

REPLACEMENT

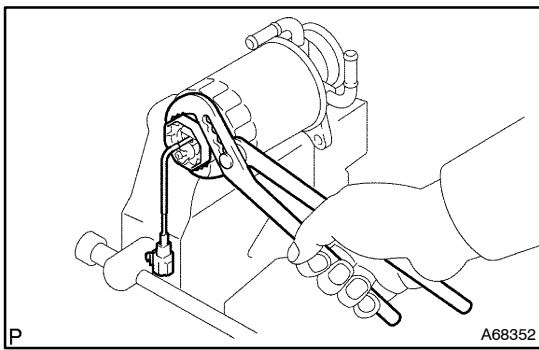
1. DRAIN FUEL

2. REMOVE DIESEL FUEL FILTER ASSY

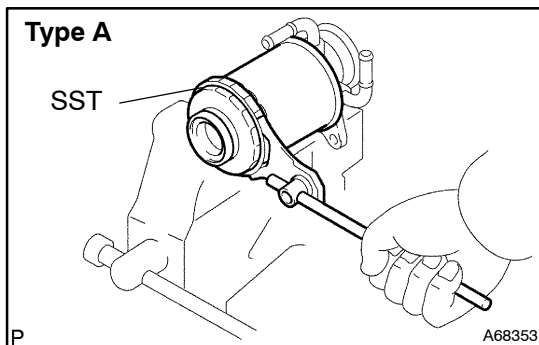
- (a) Loosen the filter drain plug, and then drain fuel.
- (b) Disconnect the fuel main tube fuel hose No. 1.
- (c) Disconnect the fuel filter fuel hose.
- (d) Disconnect the level warning switch connector.
- (e) Disconnect the fuel heater connector.

3. REMOVE FUEL FILTER ELEMENT

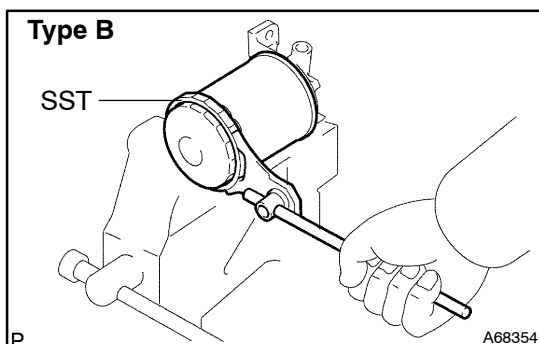
- (a) Remove the 2 bolts and fuel filter.



- (b) Fix the fuel filter cap with a vise.
- (c) Using pliers, remove the level warning switch.



- (d) Type A:
Using SST, remove the fuel filter element.
SST 09228-64040



- (e) Type B:
Using SST, remove the fuel filter element.
SST 09228-10002

4. INSTALL FUEL FILTER ELEMENT

- (a) Apply a light coat of fuel to the gasket, and then thoroughly tighten the fuel filter by hand.

NOTICE:

Do not use SST when tightening the element.

- (b) With a new gasket for the warning switch, thoroughly tighten the level warning switch by hand .

- (c) Tighten the fuel filter assy with the 2 bolts.
Torque: 18 N·m (183 kgf·cm, 13 ft·lbf)
- (d) Connect the fuel heater connector.
- (e) Connect the level warning switch connector.
- (f) Connect the fuel filter fuel hose.
- (g) Connect the fuel main tube fuel hose No. 1.

5. INSTALL DIESEL FUEL FILTER ASSY

6. ADD FUEL

7. BLEED FUEL

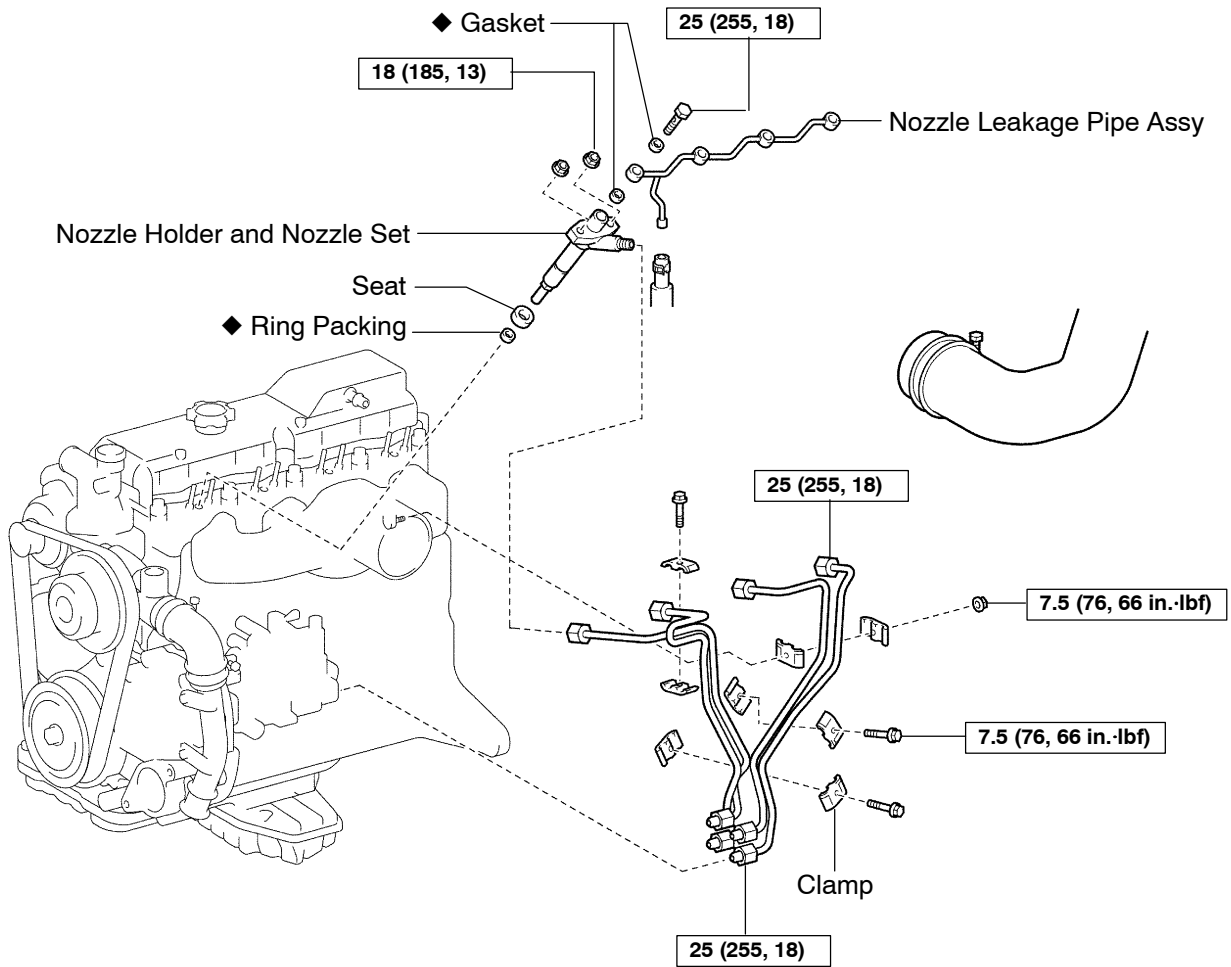
- (a) Move the priming pump up and down which is placed in the upper part of the fuel filter assembly and fill the fuel in the fuel system.

8. INSPECT FOR FUEL LEAKS

- (a) Start the engine and check that there is no leakage in the fuel system.

NOZZLE HOLDER AND NOZZLE SET (14B) COMPONENTS

110QA-01



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

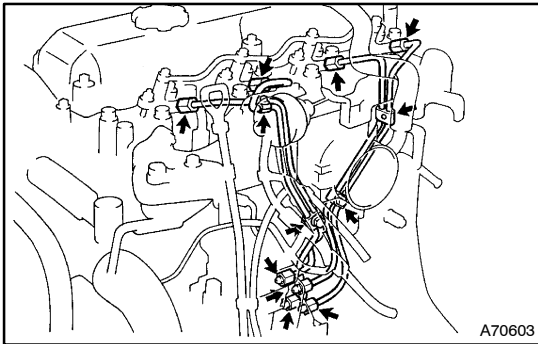
◆ Non-reusable part

P

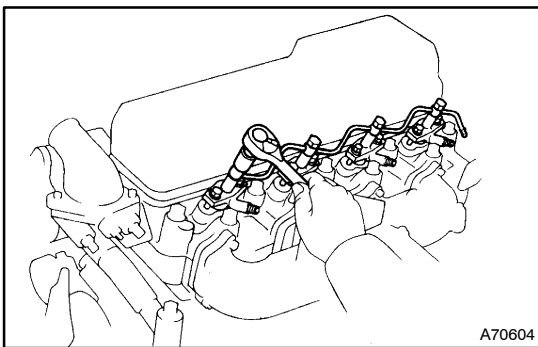
A68355

REPLACEMENT

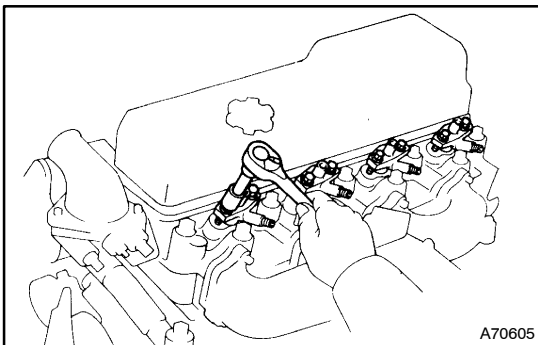
1. DISCONNECT BATTERY NEGATIVE TERMINAL
2. DRAIN FUEL



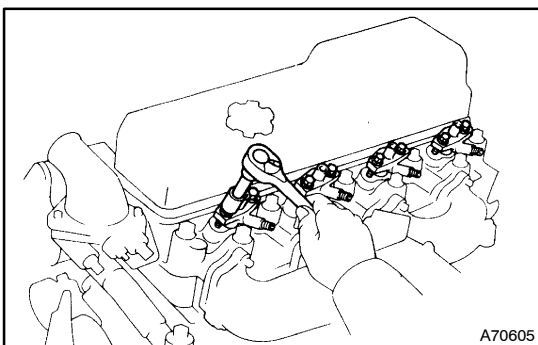
3. REMOVE INJECTION PIPE SET
 - (a) Loosen the union nuts of the 4 injection pipes.
SST 09023-12700
 - (b) Remove the 3 bolts, nut, 4 injection pipes and clamps.



4. REMOVE NOZZLE LEAKAGE PIPE ASSY
 - (a) Disconnect the fuel hose from the leakage pipe.
 - (b) Remove the 4 hollow bolts, leakage pipe and 8 gaskets.



5. REMOVE NOZZLE HOLDER AND NOZZLE SET
 - (a) Remove the 2 nuts, nozzle, ring packing and seat.
 - (b) Remove the 2 nuts and nozzle holder.



6. INSTALL NOZZLE HOLDER AND NOZZLE SET
 - (a) Install a new nozzle sheet gasket and ring packing to the cylinder head.
 - (b) Install the nozzle holder with the 2 nuts.
Torque: 18 N·m (185 kgf·cm, 13 ft·lbf)