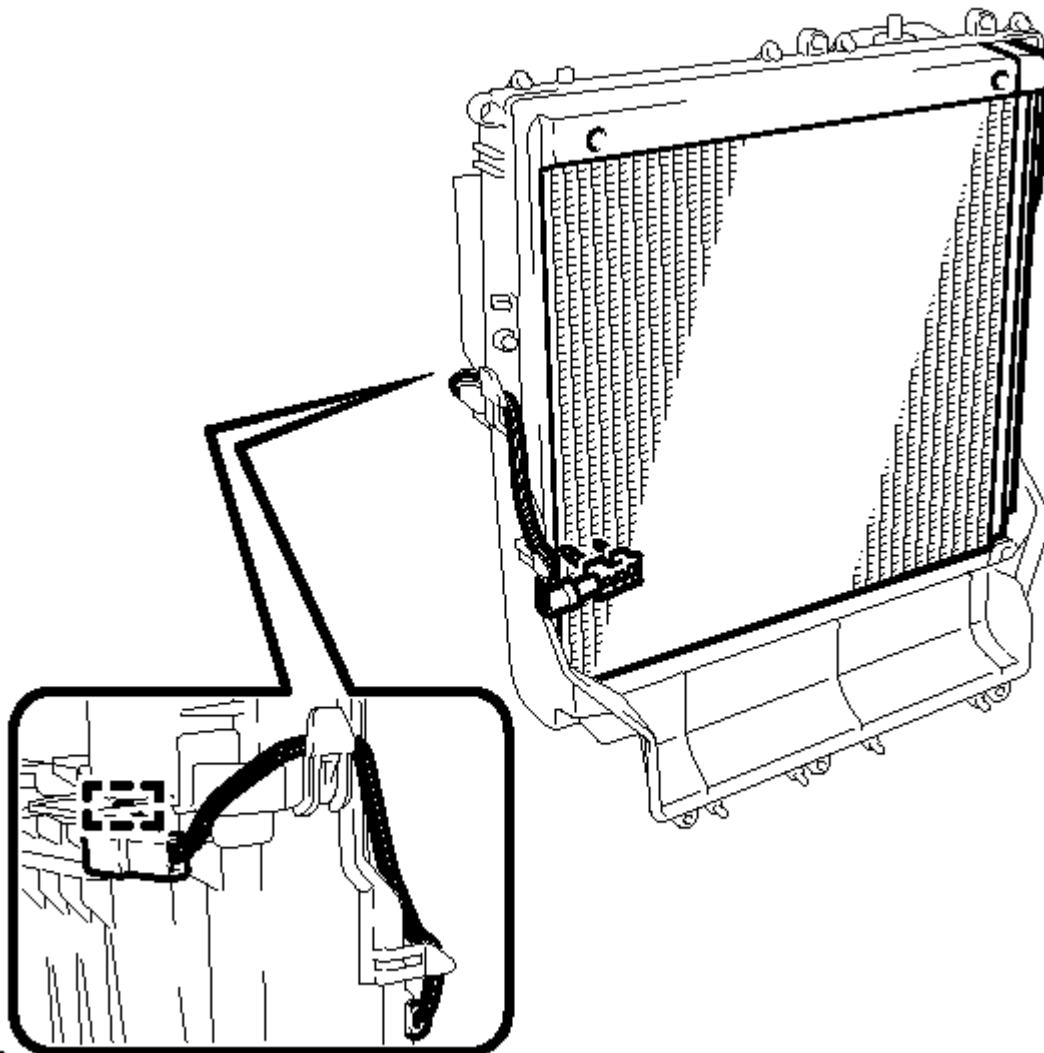


- b. Install the 2 O-rings to the No. 1 cooler evaporator.

NOTE: Keep the O-rings and O-ring fitting surfaces clean from dirt or any foreign objects.

- c. Engage the clamp and install the No. 1 cooler evaporator with the cooler thermistor.



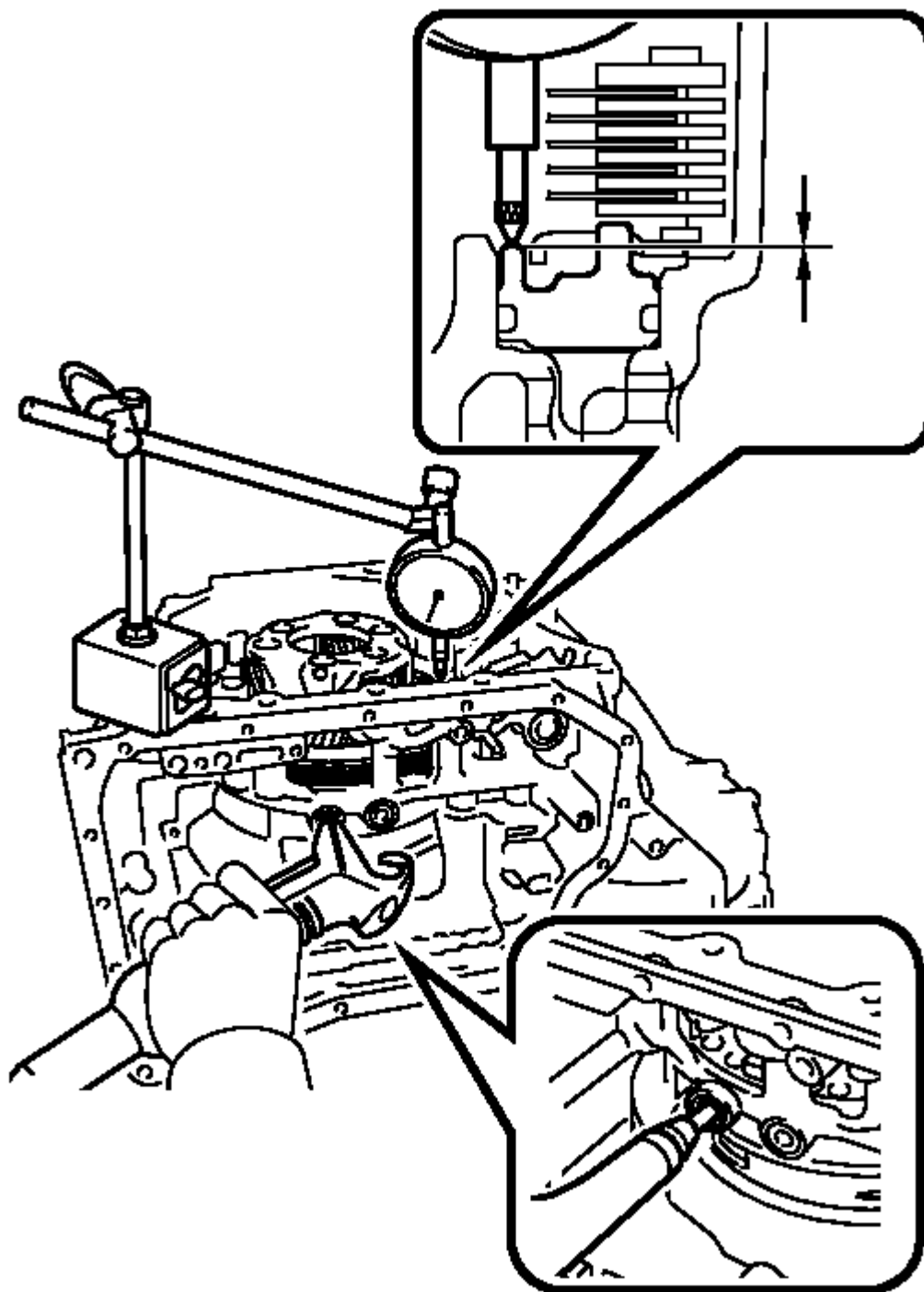
P

Fig. 71: Identifying No. 1 Cooler Evaporator Sub-Assembly, Cooler Thermistor & Clamp
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

HINT:

Completely cover the tube with the grommet.

5. INSTALL NO. 2 AIR CONDITIONING RADIATOR DAMPER SERVO SUB-ASSEMBLY



N

Fig. 300: Measuring Clearance Of No. 2 Brake
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

Standard clearance

No. 1 transmission oil filler tube	1.7	17	15 in.*lbf
Overflow plug	40	408	30
Refill plug	49	500	36
Transmission revolution sensor x Transmission valve body	11	110	8
ATF temperature sensor x Transmission valve body	11	110	8
Transmission wire lock plate x Transmission valve body	11	110	8
Shift solenoid valve SL4 x Transmission valve body	11	110	8
Shift solenoid valve SL3 x Transmission valve body	11	110	8
Shift solenoid valve SL1, SL2 x Transmission valve body	11	110	8
Transmission valve body x Transaxle case	11	110	8
Valve body oil strainer x Transmission valve body	11	110	8
Automatic transaxle oil pan x Transaxle case (Precoated bolt)	7.0	71	62 in.*lbf
Automatic transaxle oil pan x Transaxle case (except Precoated bolt)	7.5	76	66 in.*lbf
Park/neutral position switch x Transaxle case	5.4	55	48 in.*lbf
Control shaft lever x Control shaft	13	130	9
Transmission control cable x Control shaft lever	13	130	9
Shift lever x Instrument panel brace	12	122	9
Transmission control cable x Body	5.0	51	44 in.*lbf
Front No. 1 floor heat insulator x Body	5.5	56	49 in.*lbf
Speedometer driven hole cover x Transaxle case	5.5	56	49 in.*lbf
No. 1 transmission control cable bracket x Transaxle case	12	122	9
Wire harness clamp bracket x Automatic transaxle	8.4	86	74 in.*lbf

- c. Install the 4 clips onto the shift position indicator housing.

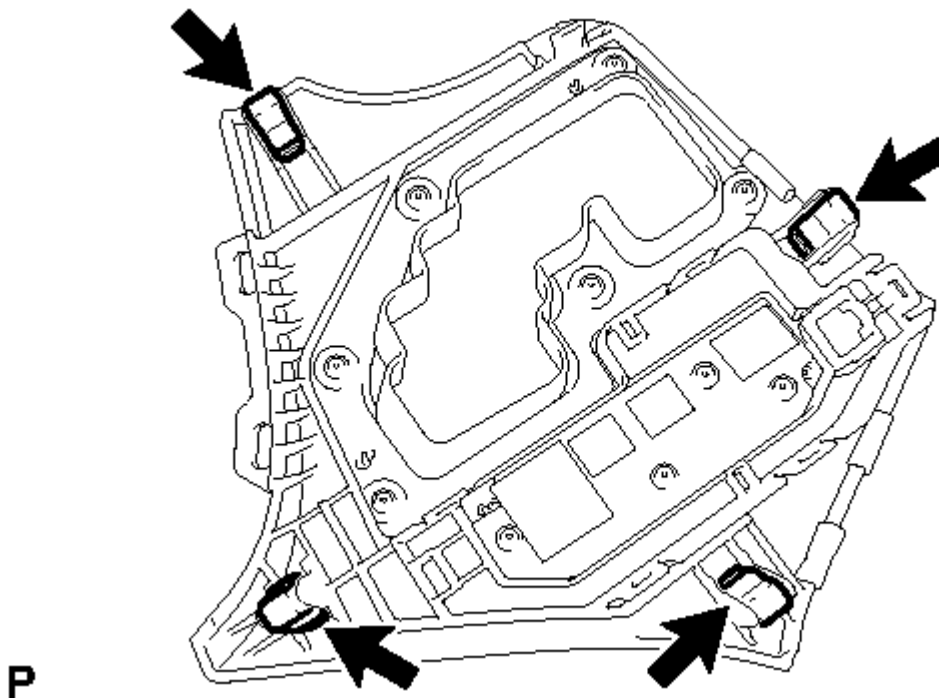


Fig. 110: Identifying Shift Position Indicator Housing & Clips
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- d. Engage the 5 claws to install the lower position indicator housing onto the shift position indicator housing.

- a. Warm up the engine.
- b. Turn the ignition switch off.
- c. Connect the Techstream to the DLC3.
- d. Turn the ignition switch to ON.
- e. Turn the Techstream on.
- f. Enter the following menus: Powertrain / ECT / Active Test.
- g. According to the display on the Techstream, perform the Active Test.

ECT

Tester Display	Test Part	Control Range	Diagnostic Note
Activate the Lock Up	Control the shift solenoid SLU and SL to set the automatic transaxle to the lock-up condition.	ON/OFF	Can be used to check SLU and SL solenoid operation. [Vehicle Condition] Vehicle speed: 60 km/h (37 mph) or more

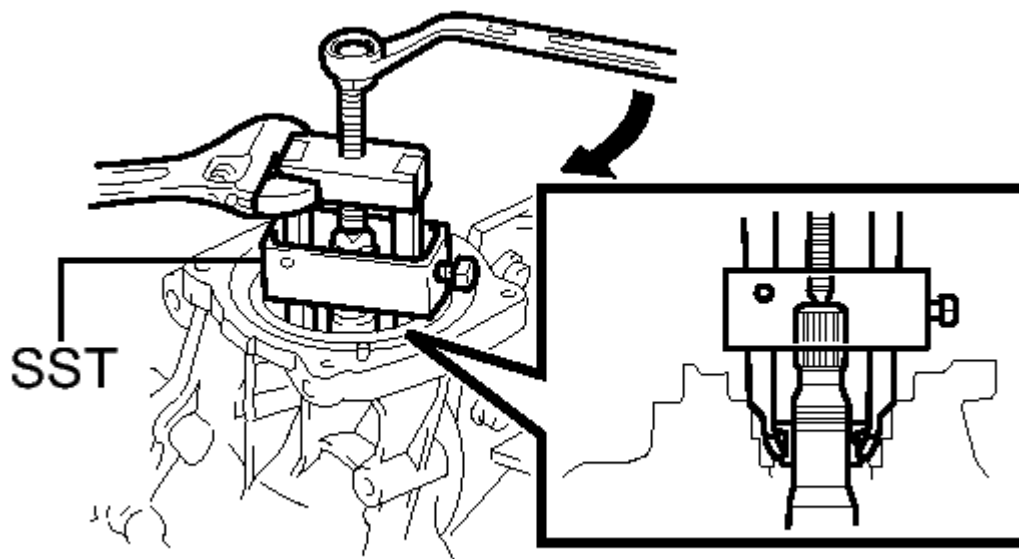
HINT:

This test can be conducted when the vehicle speed is 60 km/h (37 mph) or more.

- h. Lightly depress the accelerator pedal and check that the engine speed does not change abruptly.

HINT:

- When changing the accelerator pedal opening angle while driving, if the engine speed does not change, lock-up is on.
- Slowly release, but not fully, the accelerator pedal in order to decelerate. (Fully releasing the pedal will close the throttle valve and lock-up may be turned off.)



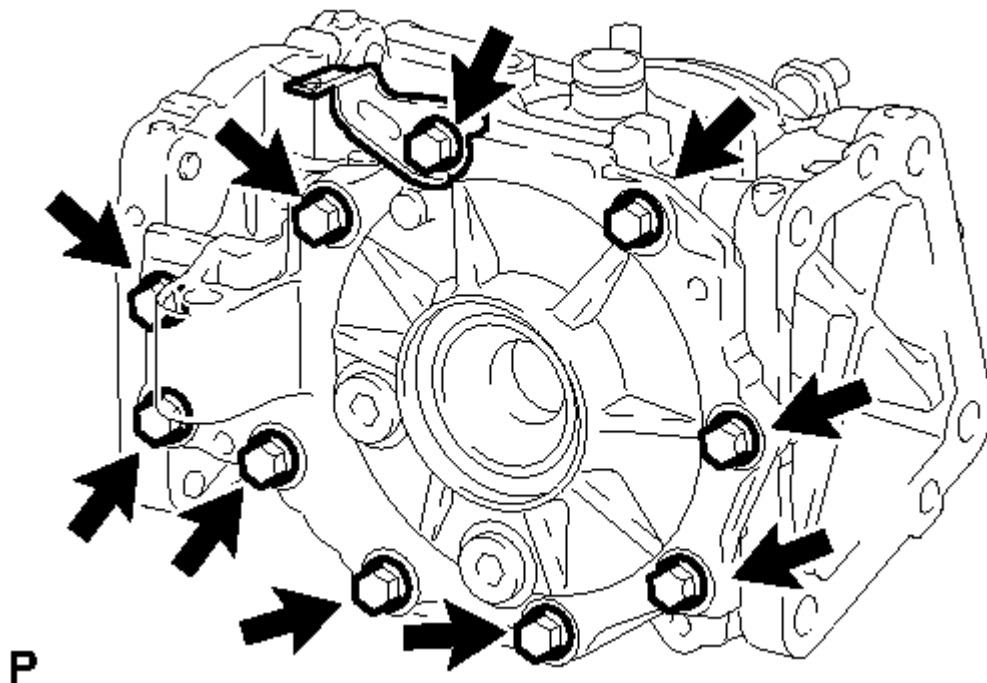
C

Fig. 88: Removing Rear Drive Pinion Front Tapered Roller Bearing (Inner Race)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

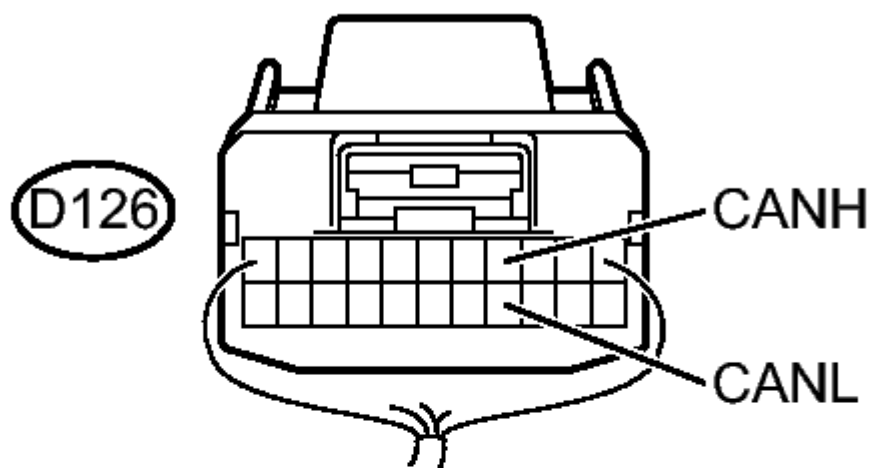
- SST: 09556-40010

20. REMOVE DIFFERENTIAL SIDE BEARING RETAINER

- Remove the 10 bolts from the wire harness bracket and rear differential carrier assembly.



*a



*b

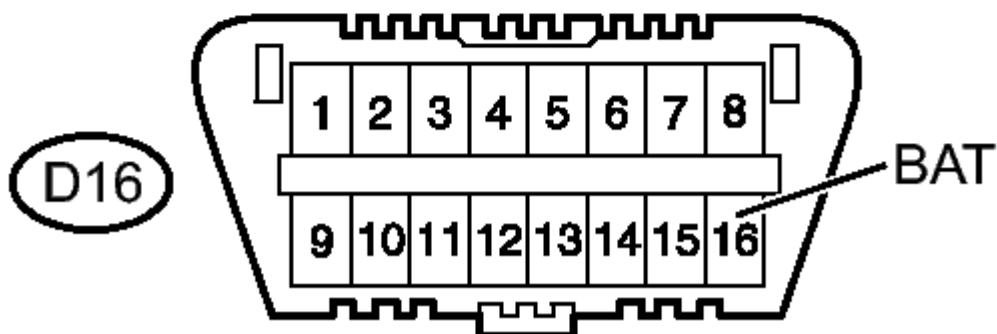
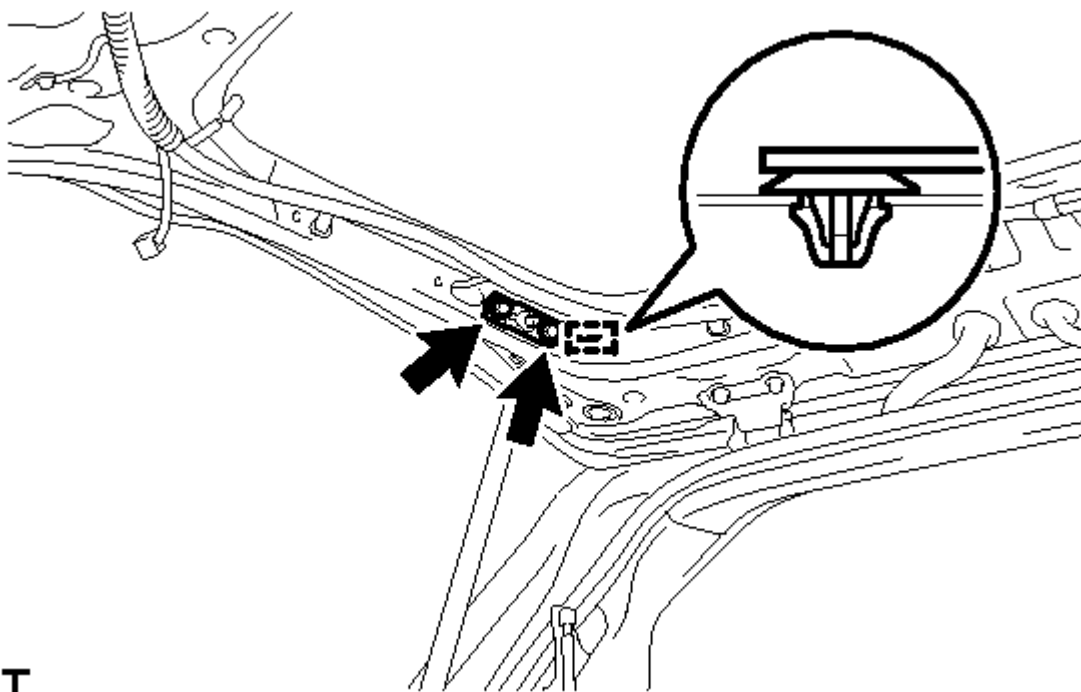


Fig. 200: Checking For Short To B+ In CAN BUS Wire (Main Body ECU)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Disconnect the D13 main body ECU connector.
- b. Measure the resistance according to the value(s) in the table below.

Standard Resistance

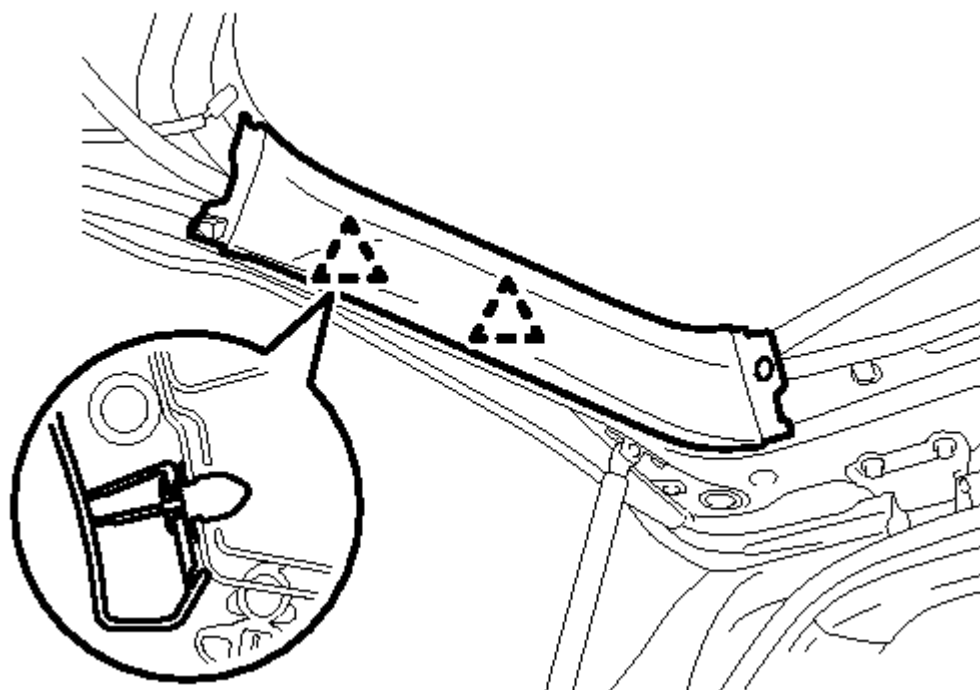
Tester Connection	Switch Condition	Specified Condition
D126-4 (CANH) - D16-16 (BAT)	Ignition switch off	6 kohms or higher
D126-15		



T

Fig. 252: Identifying Upper Back Door Stay Bracket & Fasteners
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

23. **INSTALL BACK DOOR SIDE GARNISH LH (w/o Power Back Door)**
 - a. Engage the 2 clips and install the back door side garnish LH.



T

Fig. 253: Identifying Back Door Side Garnish LH & Clips (w/o Power Back Door)

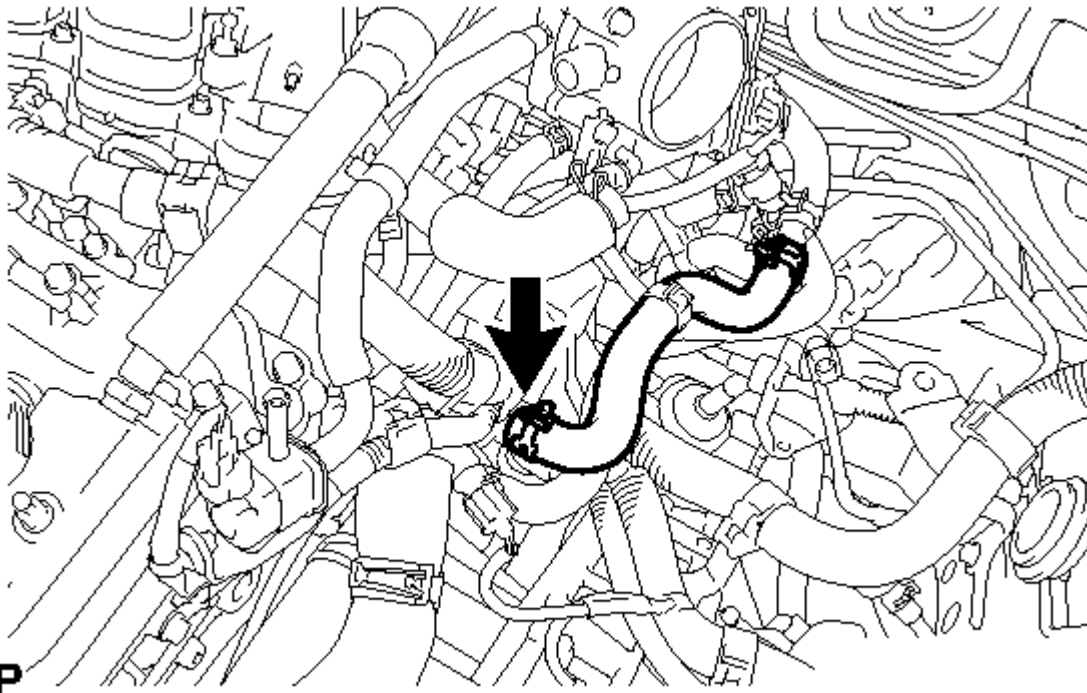


Fig. 100: Identifying Inlet Heater Water Hose & Clip
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

34. DISCONNECT OUTLET HEATER WATER HOSE

- a. Disconnect the outlet heater water hose.

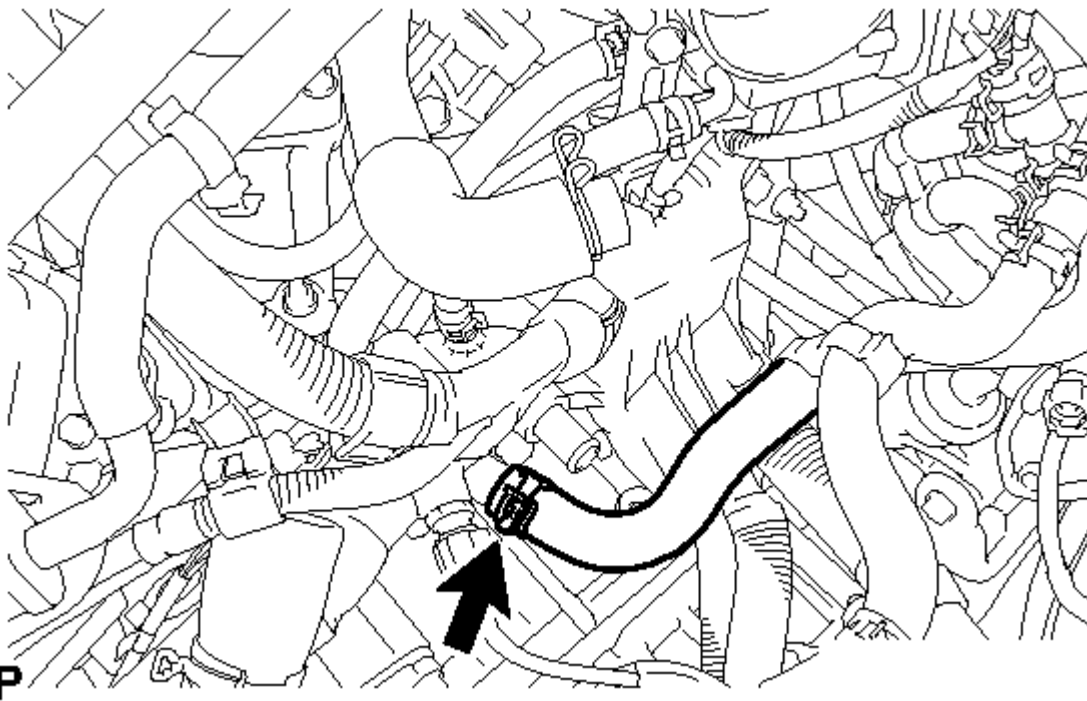


Fig. 101: Identifying Outlet Heater Water Hose & Clip

e. Reconnect the front power seat switch LH connector.

NG --> REPAIR OR REPLACE HARNESS OR CONNECTOR

OK --> See step 9

5. **INSPECT SEPARATE TYPE FRONT SEAT CUSHION SPRING ASSEMBLY LH (SLIDE MOTOR)**

- a. Remove the separate type front seat cushion spring assembly LH (slide motor). Refer to DISASSEMBLY .

*a

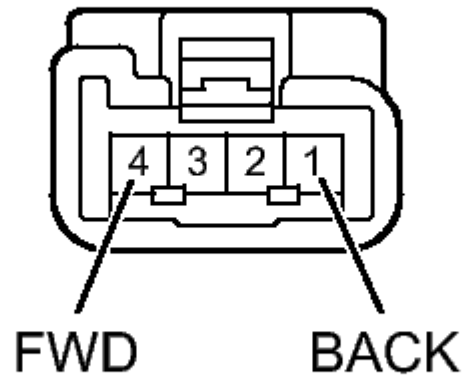
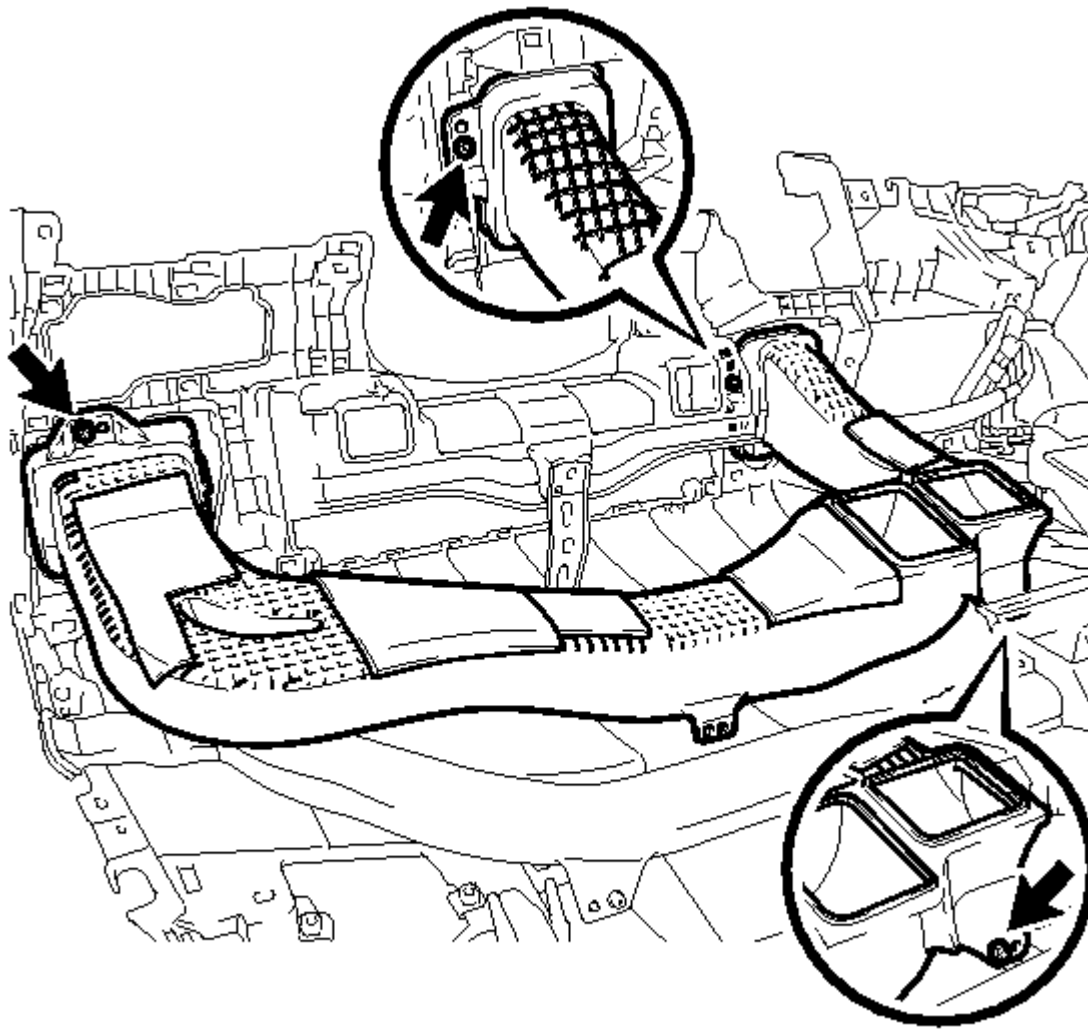


Fig. 4: Inspecting Separate Type Front Seat Cushion Spring Assembly LH (Slide Motor)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Check if the seat cushion spring moves smoothly when the battery is connected to the slide motor connector terminals.

OK

Measurement Condition	Specified Condition
Battery positive (+) -- > 4 (FWD) Battery negative (-) --	Forward



P

Fig. 38: Identifying No. 1 Heater To Register Duct & Fasteners
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- a. Remove the 3 screws and the No. 1 heater to register duct.
3. **REMOVE NO. 1 SIDE DEFROSTER NOZZLE DUCT**

The taillights and low beam headlights come on.

- e. Uncover the automatic light control sensor.
- f. Check that the low beam headlights and taillights.

OK

The low beam headlights and taillights go off.

RESULT

Result	Proceed to
Automatic light control system operates normally.	A
Automatic light control system does not operate normally.	B

B --> See step 9

A: Go to next step

5. REPLACE MAIN BODY ECU

- a. Replace the main body ECU with a new or a normal one. Refer to **REMOVAL** .

OK

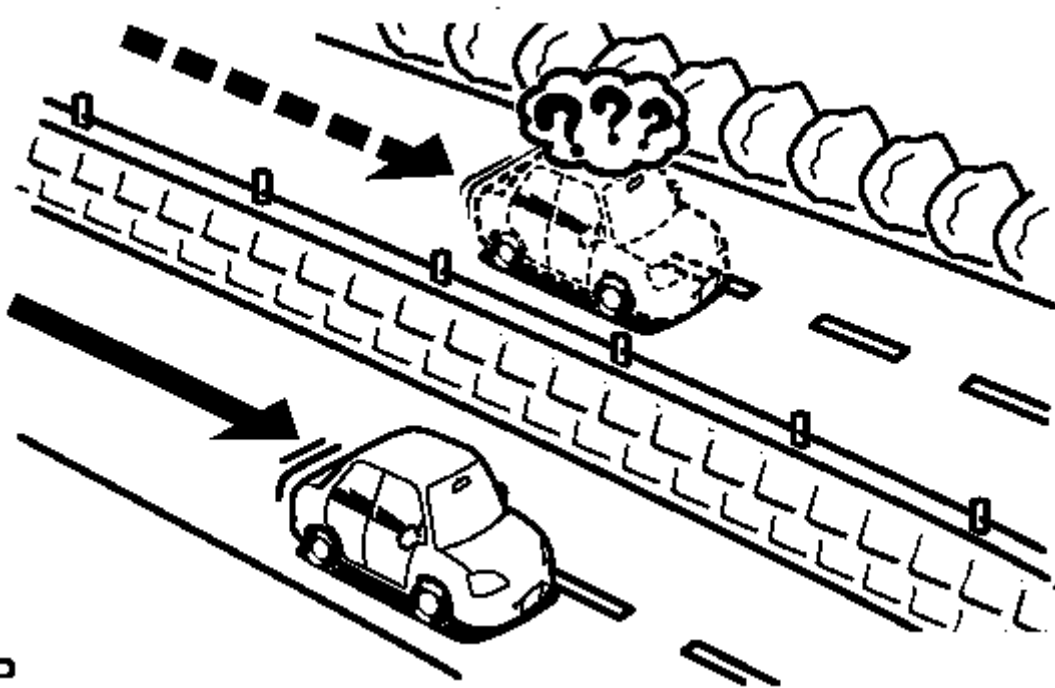
The operation of the combination meter assembly returns to normal.

HINT:

The meter CPU controls the meter illumination based on an auto dimmer signal from the main body ECU. If the meter does not dim when the light control switch is in the tail, head, or AUTO position at night, it may be for either of 2 reasons. The first reason is that the main body ECU does not send an auto dimmer signal. The second is that the meter CPU does not dim the meter illumination even though the meter CPU receives an auto dimmer signal.

NG --> See step 8

sensor, speed sensor and navigation ECU.



P

Fig. 30: Locating Position Mark On Parallel Road

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

1. The current position mark may be displayed on a nearby parallel road.
2. Immediately after a fork in the road, the current vehicle position mark may be displayed on the wrong road.

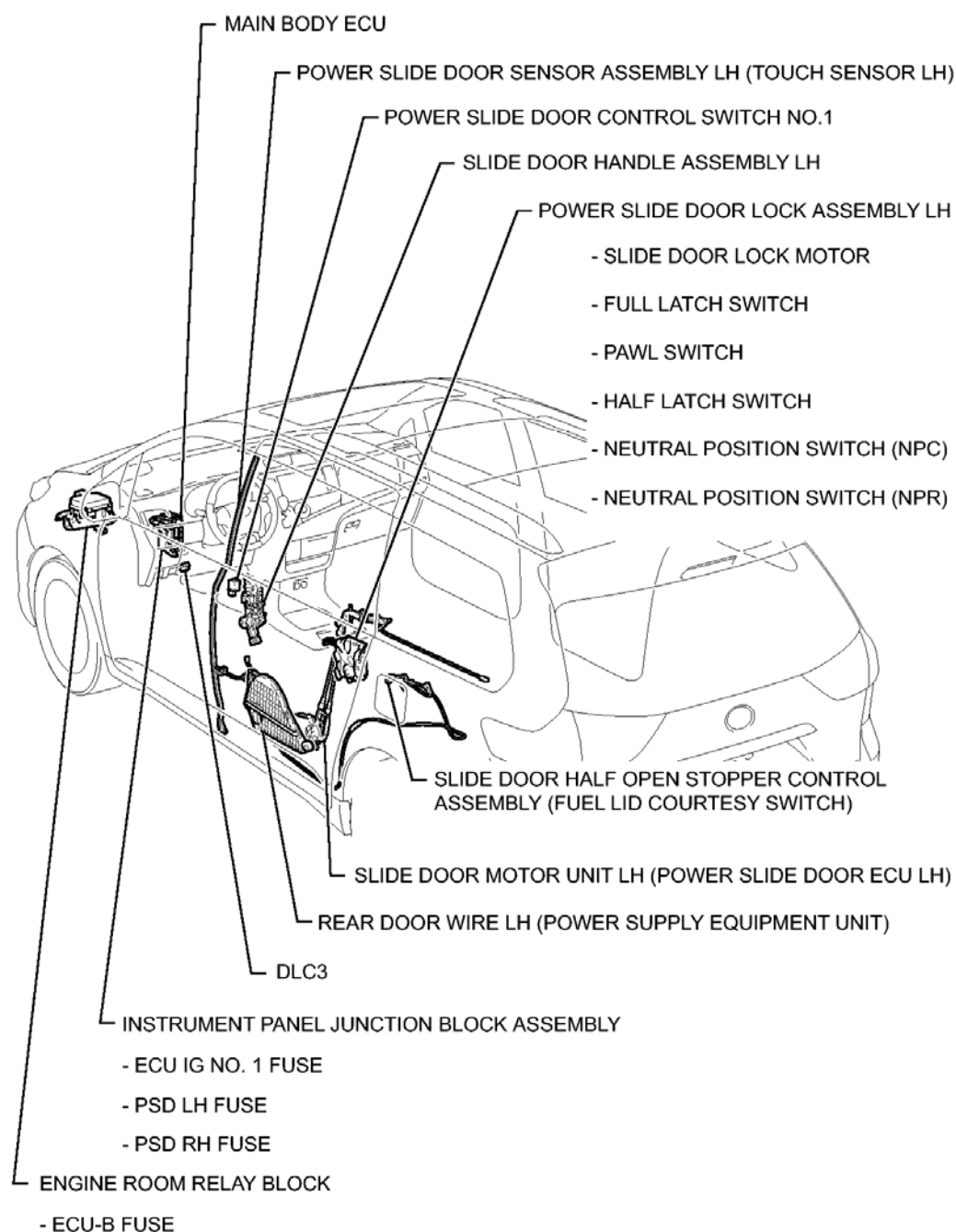
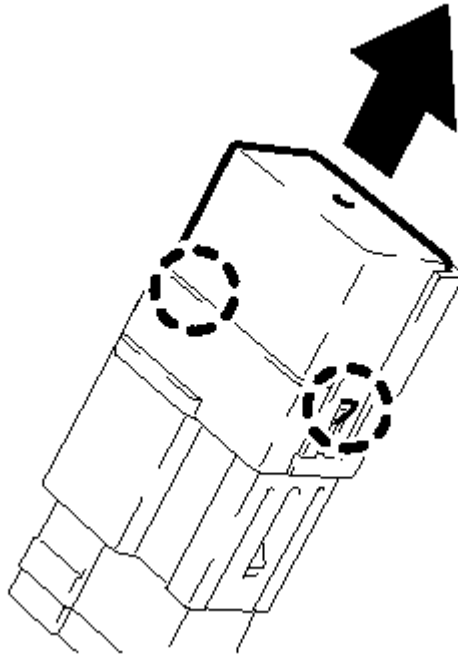


Fig. 2: Power Slide Door System Components Location (2 Of 3)
 Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

ILLUSTRATION

Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- b. Engage the 2 claws and install the power lift motor relay to the No. 1 seat wire (seat raise)



P

Fig. 836: Remove/Install Power Lift Motor Relay & Claws (Seat Raise)
Courtesy of TOYOTA MOTOR SALES, U.S.A., INC.

- c. Engage the 2 claws and install the 2 relay connectors to the No. 1 seat wire.