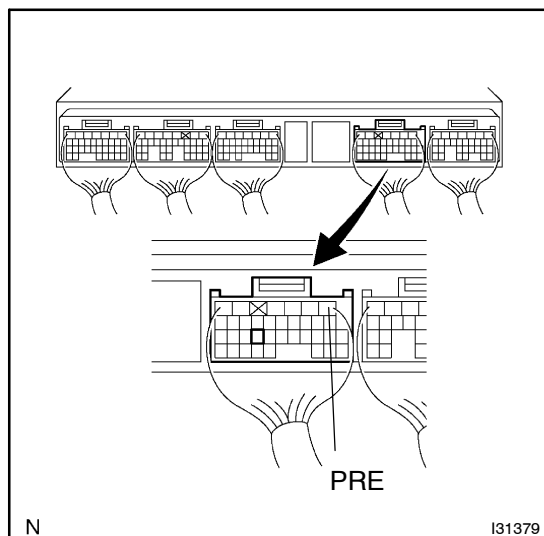


INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR(BETWEEN ECM AND BODY GROUND)



- (a) Remove the ECM with the connector still connected.
- (b) Measure voltage between terminal PRE of ECM connector and body ground.

OK: Continuity

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

2 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the hand-held tester main SW ON.
- (c) Check the A/C magnet clutch using DATA LIST.

ECM:

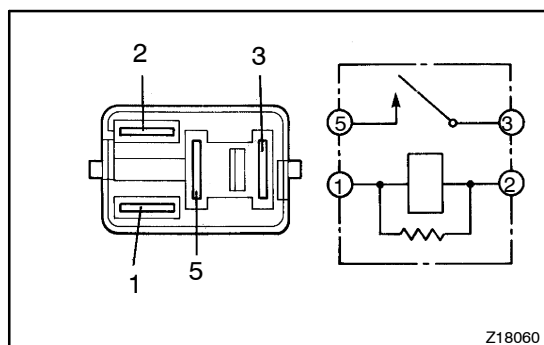
Description	Tester display	Check condition
Magnet clutch input signal	A/C SIG	ON - OFF

NG

Go to step 7

OK

3 INSPECT MAGNET-CLUTCH RELAY



- (a) Remove the relay from engine room R/B.
- (b) Check continuity between each pair of terminal shown below of relay.

Continuity:

Tester connection	Specified condition
1 - 2	Continuity
3 - 5	No continuity

- (c) Apply battery voltage between terminal 1 and 2.
- (d) Check that continuity exists between terminals 3 and 5.

NG

REPLACE MAGNET-CLUTCH RELAY

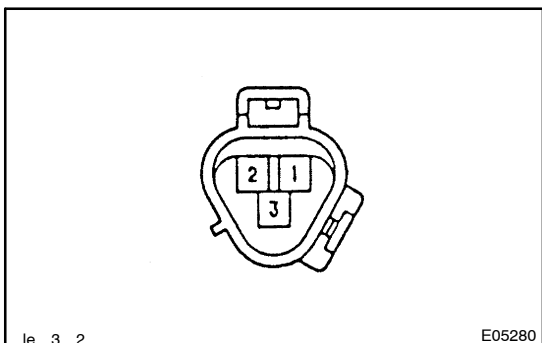
OK

4 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the hand-held tester main SW ON.
- (c) Check the A/C magnet clutch using DATA LIST.

ECM:

Description	Tester display	Check condition
Magnet clutch output signal	A/C MAG CLUTCH	ON - OFF

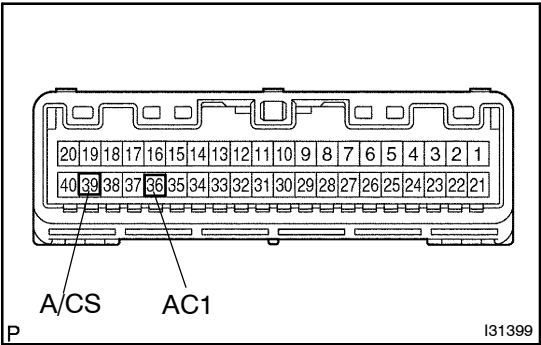
NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****5 INSPECT MAGNET CLUTCH ASSY**

- (a) Disconnect the connector from the compressor.
- (b) Connect the positive (+) lead from the battery to terminal 3 and negative (-) lead to terminal body ground.

Standard: Clutch is engaged.**NG****REPLACE MAGNET CLUTCH ASSY****OK****6 CHECK HARNESS AND CONNECTOR(BETWEEN BATTERY AND MAGNET CLUTCH)****NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE**

7

INSPECT HEATER CONTROL HOUSING SUB-ASSY(AC1, A/CS)



- (a) Start the engine and push AUTO switch.
- (b) Measure voltage between terminals AC1 and A/CS of A/C amplifier and body ground when magnetic clutch is ON and OFF by A/C switch.

Voltage:

Switch operation	Tester connection	Specified condition
ON	AC1 - Body ground	1.3 - 2.6 V
OFF	AC1 - Body ground	3.7 - 4.5 V
ON	A/CS - Body ground	10 - 14 V
OFF	A/CS - Body ground	Below 1 V

NG

CHECK AND REPLACE HEATER CONTROL HOUSING SUB-ASSY

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR