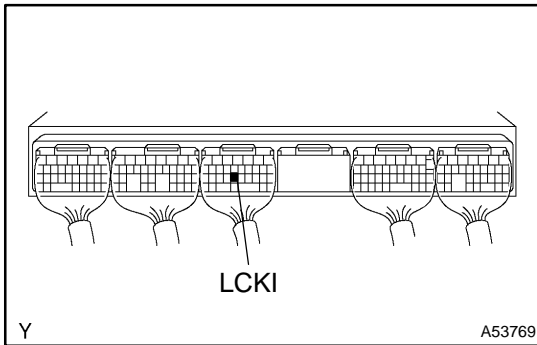




## INSPECTION PROCEDURE

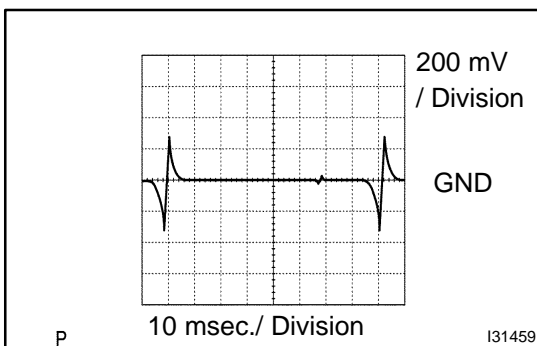
## 1 INSPECT ECM(LCKI)



- (a) Remove ECM with the connectors being connected.
- (b) Start the engine.
- (c) Operate the A/C system.
- (d) Check the signal waveform between terminal LCKI of ECM and body ground.

**Standard:**

**The correct waveform appears as shown in the illustration.**



OK

Go to step 6

NG

## 2 CHECK COOLER COMPRESSOR ASSY

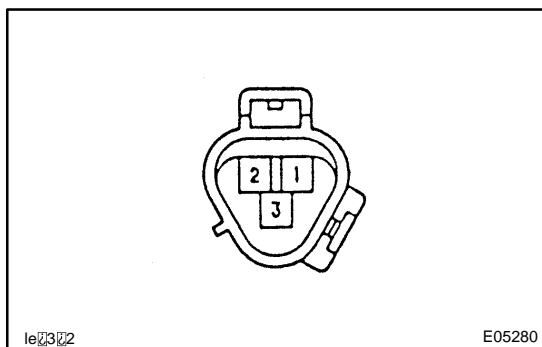
- (a) Check and adjust the compressor drive belt tension (See page 14-1).
- (b) Check the cooler compressor assy does not lock while running the engine and operating the A/C system.

**Standard: Cooler compressor assy does not lock during the operation.**

NG

REPLACE COOLER COMPRESSOR ASSY

OK

**3 INSPECT COOLER COMPRESSOR ASSY(COMPRESSOR LOCK SENSOR)**

- (a) Disconnect the cooler compressor assy connector.
- (b) Measure resistance between terminal 1 and 2 of the cooler compressor assy connector.

**Resistance: at 20 °C (68 °F): 165 - 205 Ω**

**NG**

**REPLACE COOLER COMPRESSOR ASSY**

**OK**

**4 CHECK HARNESS AND CONNECTOR(BETWEEN ECM AND AIR CONDITIONING AMPLIFIER)**

- (a) Check for open and short circuit in the harness and the connector between the cooler compressor assy and the A/C amplifier (See page 01-35 ).

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**5 CHECK HARNESS AND CONNECTOR(BETWEEN COOLER COMPRESSOR ASSY AND BODY GROUND)**

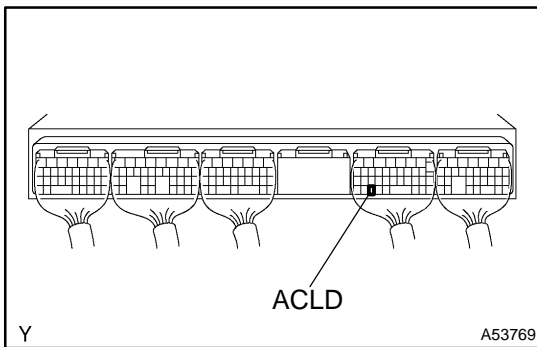
- (a) Check for open and short circuit in the harness and the connector between the cooler compressor assy and body ground (See page 01-35 ).

**NG**

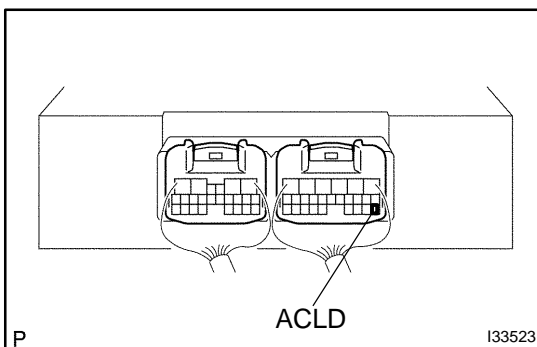
**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**CHECK AND REPLACE ECM**

**6 INSPECT ECM(ACLD)**

- (a) Remove ECM with the connectors being connected.
- (b) Operate A/C system.
- (c) Measure voltage between terminal ACLD of ECM and body ground under each condition.

**Voltage:****Magnetic clutch is engaged: Below 1.0 V****Magnetic clutch is not engaged: 10 - 14 V****NG****CHECK AND REPLACE ECM****OK****7 INSPECT AIR CONDITIONING AMPLIFIER(ACLD)**

- (a) Remove the A/C amplifier assy with the connectors being connected.
- (b) Operate the A/C system.
- (c) Measure voltage between terminal ACLD of the A/C amplifier assy and body ground under each condition.

**Voltage:****Magnetic clutch is engaged: Below 1.0 V****Magnetic clutch is not engaged: 10 - 14 V****Result:**

A	NG
B	OK (when checking using PROBLEM SYMPTOM TABLE)
C	OK (when checking using DTC)

**B****PROCEED TO NEXT CIRCUIT INSPECTION  
SHOWN ON PROBLEM SYMPTOMS TABLE****C****CHECK AND REPLACE AIR CONDITIONING  
AMPLIFIER****A****REPAIR OR REPLACE HARNESS OR CONNECTOR**