

Diagnosis Circuit

DESCRIPTION

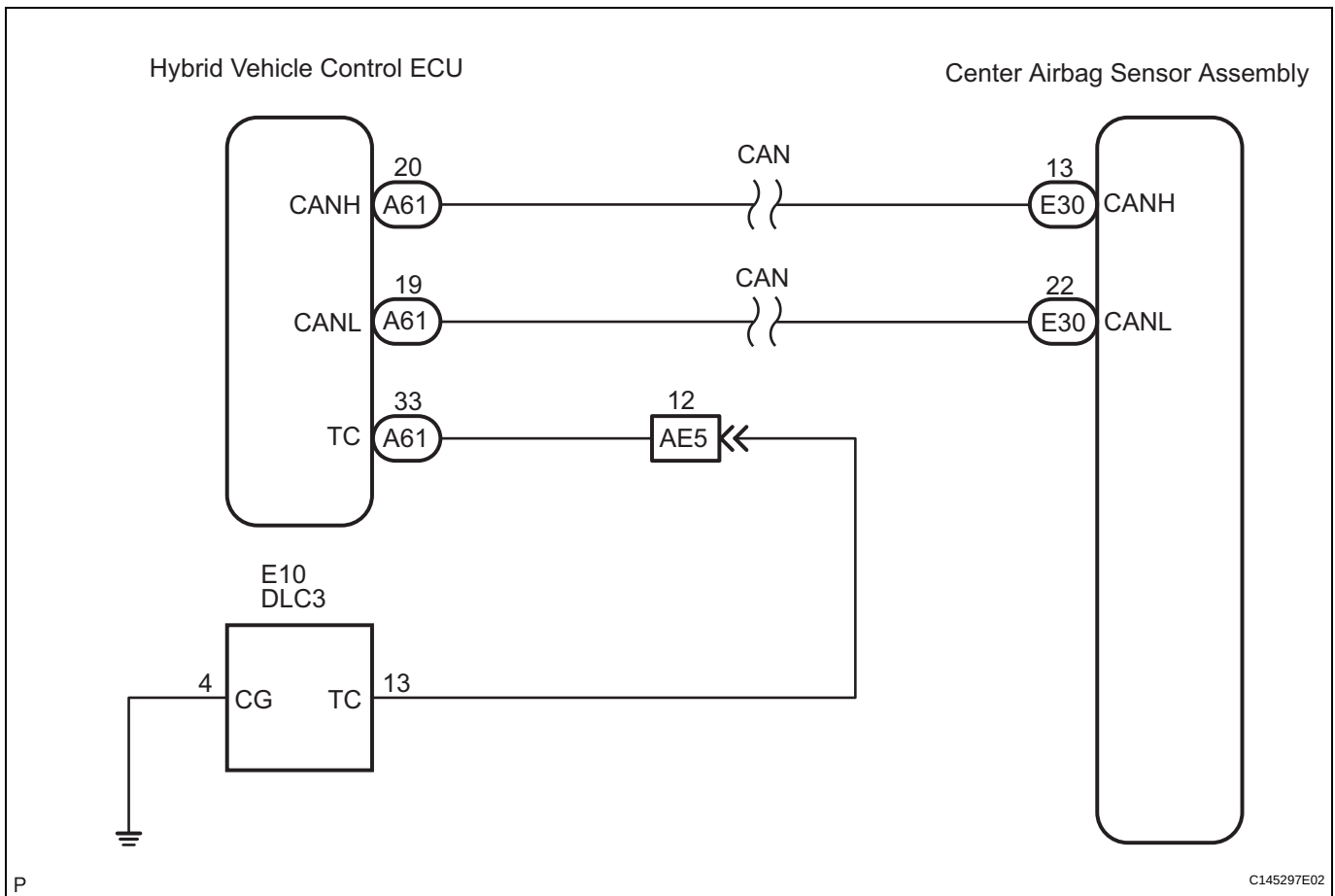
DTC output mode is set by connecting terminals TC and CG of the DLC3.

DTCs are displayed by blinking of the SRS warning light.

HINT:

- When each warning light stays blinking, a ground short in the wiring of terminal TC of the DLC3 or an internal ground short in each ECU is suspected.
- A DTC output mode signal is transmitted through CAN communication system to each ECU including the center airbag sensor assembly. Thus when all systems do not enter DTC output mode, there may be an hybrid vehicle control ECU malfunction.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK CAN COMMUNICATION SYSTEM

- (a) Check if a CAN communication system DTC is output
(See page [CA-22](#)).

Result

Condition	Proceed to
DTC is not output	A
DTC is output	B

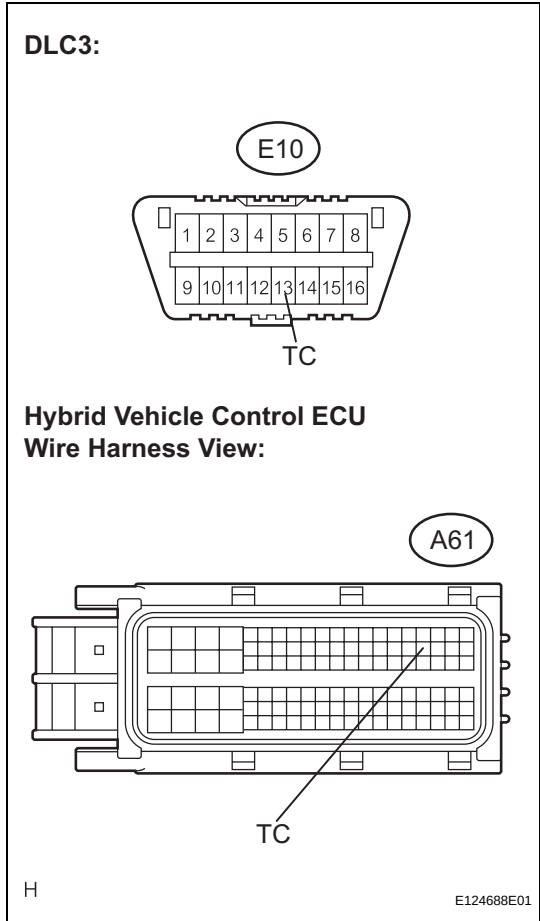
B

REPAIR CIRCUITS INDICATED BY OUTPUT DTCS

A

2

CHECK WIRE HARNESS (DLC3 - HYBRID VEHICLE CONTROL ECU)



- (a) Turn the power switch off.
- (b) Disconnect the connector from the hybrid vehicle control ECU.
- (c) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
E10-13 (TC) - A61-33 (TC)	Always	Below 1 Ω

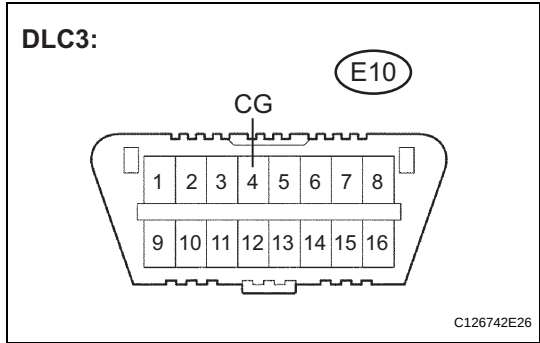
NG

REPAIR OR REPLACE WIRE HARNESS (TC OF DLC3 - TC OF HYBRID VEHICLE CONTROL ECU)

OK

3

CHECK WIRE HARNESS (CG OF DLC3 - BODY GROUND)



- (a) Measure the resistance according to the value(s) in the table below.

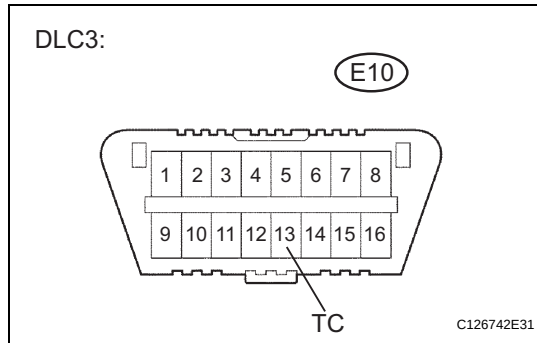
Standard resistance

Tester Connection	Condition	Specified Condition
E10-4 (CG) - Body ground	Always	Below 1 Ω

NG

REPAIR OR REPLACE WIRE HARNESS (CG OF DLC3 - BODY GROUND)

OK

4 CHECK WIRE HARNESS (TC OF DLC3 - BODY GROUND)

(a) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
E10-13 (TC) - Body ground	Always	1 M Ω or higher

NG**REPAIR OR REPLACE WIRE HARNESS OR EACH ECU****OK****REPLACE CENTER AIRBAG SENSOR ASSEMBLY (See page [RS-423](#))**