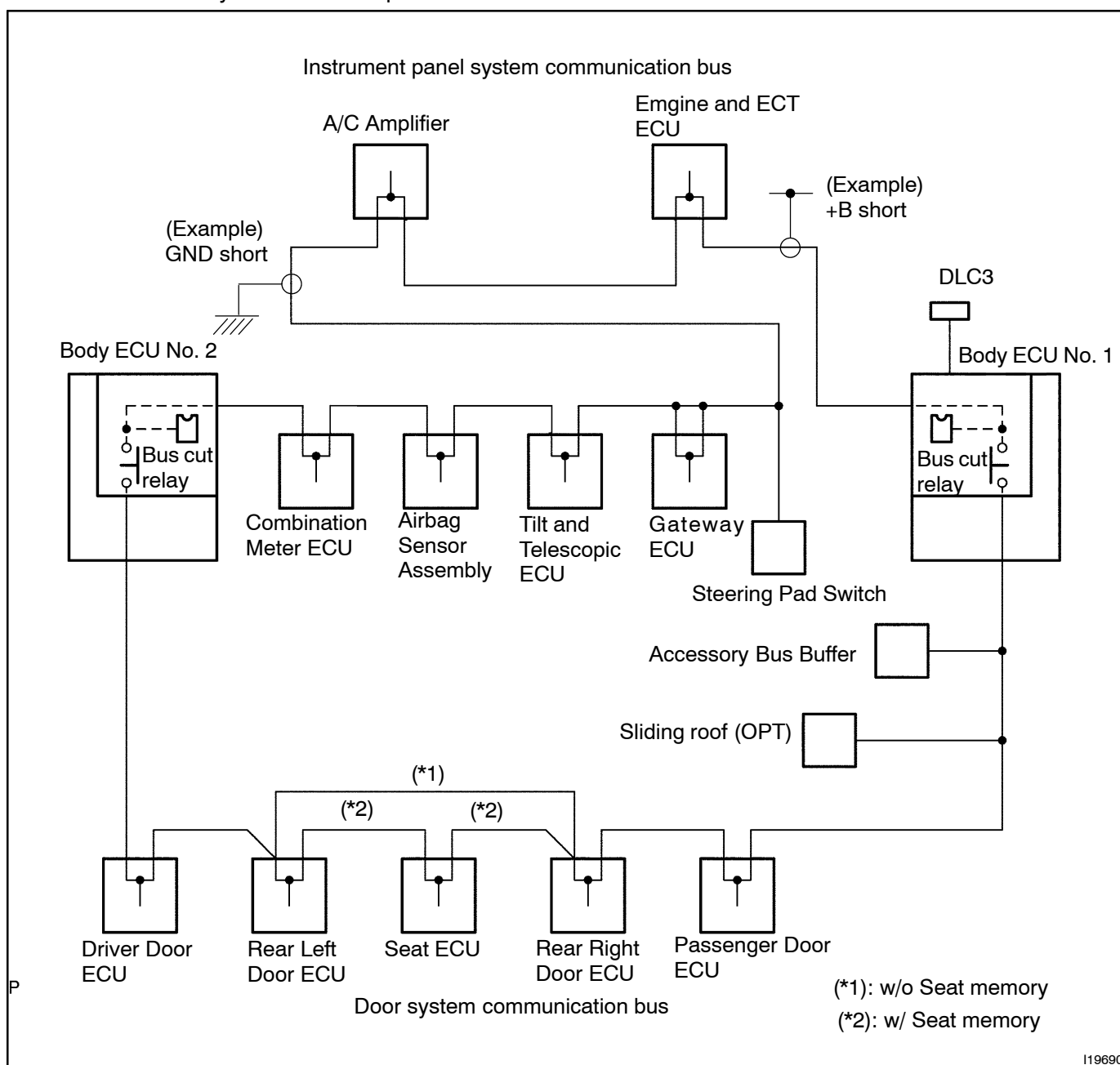


DTC	B1266 / 66	Instrument panel system communication bus malfunction (+B short)
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DTC	B1267 / 67	Instrument panel system communication bus malfunction (GND short)
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CIRCUIT DESCRIPTION

This DTC is output when +B or GND short occurs on instrument panel system communication bus. If +B or GND short is detected on instrument panel system communication bus, separate it by bus cut relay in Body ECU No. 1 and Body ECU No. 2 to prevent while communication buses' failure.



I19690

LHD models:

A16 A/C Control Assembly

Engine and ECT ECU

Body ECU No. 1

Body ECU No. 2

G3 Gateway ECU

T5 Tilt and Telescopic ECU

C7 Airbag Sensor Assembly

Combination Meter ECU

(*1): 3UZ-FE engine
(*2): 2JZ-GE engine
(*3): Europe

RHD models:

A16 A/C Control Assembly

Engine and ECT ECU

Body ECU No. 1

Body ECU No. 2

G3 Gateway ECU

T5 Tilt and Telescopic ECU

C7 Airbag Sensor Assembly

Combination Meter ECU

(*1): 3UZ-FE engine
(*2): 2JZ-GE engine
(*3): Europe

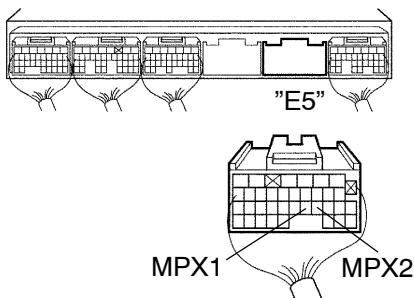
INSPECTION PROCEDURE

HINT:

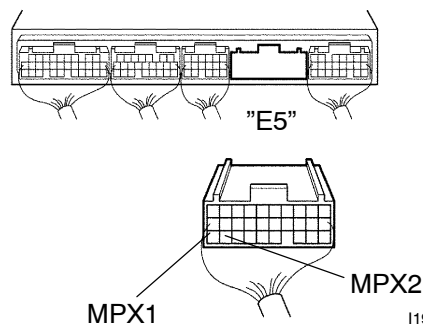
On the system structure point of view, this DTC cannot display meter. In case of checking DTC, please use LEXUS hand held tester.

1 Check the communication circuit inside engine and ECT ECU.

3UZ-FE



2JZ-GE



P

I19683

PREPARATION:

Disconnect the connector "E5" of engine ECT ECU.

CHECK:

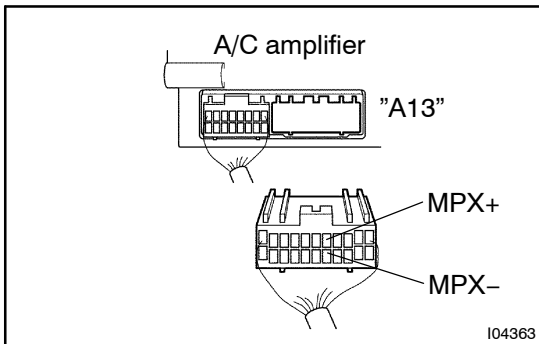
Check the DTC.

OK:

Code B1266 or B1267 is not output.

OK**Replace the engine ECT ECU.****NG**

2 Check the communication circuit inside A/C amplifier.



PREPARATION:

- (a) Connect the connector "C8" of aribag sensor assembly.
- (b) Disconnect the connector "A16" of A/C amplifier.

CHECK:

Check the DTC.

OK:

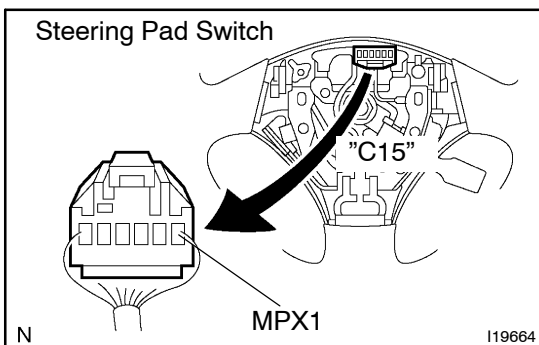
Code B1266 or B1267 is not output.

OK

Replace the A/C amplifier.

NG

3 Check the communication circuit inside steering pad switch.



HINT:

Proceed to next step, when vehicle has no pad switch.

PREPARATION:

- (a) Connect the connector "A16" of A/C amplifier.
- (b) Disconnect the connector of "C15" steering pad switch.

CHECK:

Check the DTC.

OK:

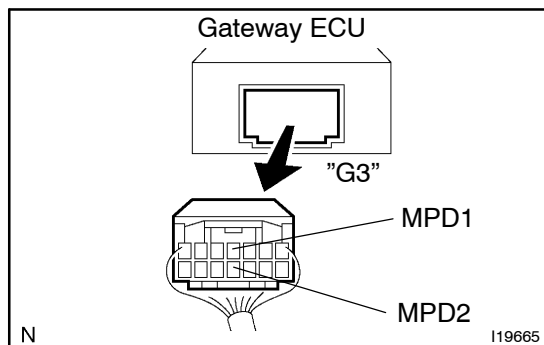
Code B1266 or B1267 is not output.

OK

Replace steering pad switch.

NG

4 Check the communication circuit inside gateway ECU.



PREPARATION:

- (a) Connect the connector "C15" of pad switch.
- (b) Disconnect the connector "G3" of gateway ECU.

CHECK:

Check the DTC.

OK:

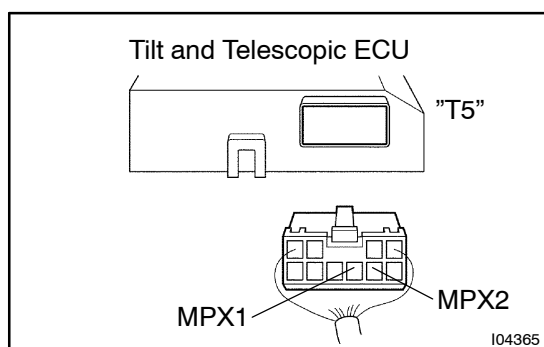
Code B1266 or B1267 is not output.

OK

Replace the gateway ECU.

NG

5 Check the communication circuit inside tilt and telescopic ECU.



PREPARATION:

- (a) Connect the connector "M3" of gateway ECU.
- (b) Disconnect the connector "T5" of tilt and telescopic ECU.

CHECK:

Check the DTC.

OK:

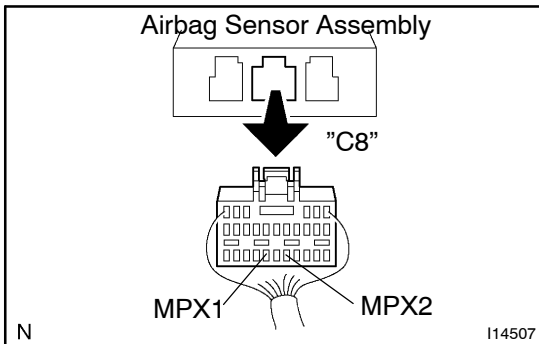
Code B1266 or B1267 is not output.

OK

Replace the tilt and telescopic ECU.

NG

6 Check the communication circuit inside airbag sensor assembly.



PREPARATION:

- (a) Connect the connector "T5" of tilt and telescopic ECU.
- (b) Disconnect the connector "C8" (or "C7") of airbag of sensor assembly.

CHECK:

Check the DTC.

OK:

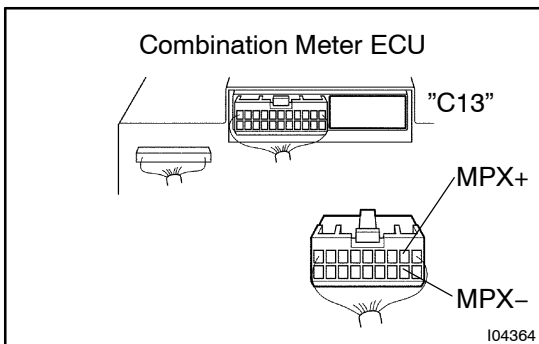
Code B1266 or B1267 is not output.

OK

Replace airbag sensor assembly.

NG

7 Check the communication circuit inside combination meter ECU.



PREPARATION:

- (a) Connect the connector airbag sensor assembly.
- (b) Disconnect the connector "C13" of combination meter ECU.

CHECK:

Check the DTC.

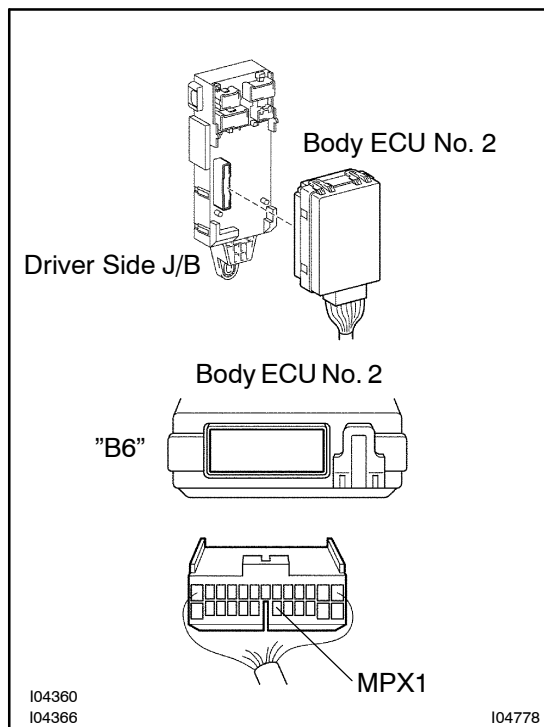
OK:

Code B1266 or B1267 is not output.

OK

Replace the combination meter ECU.

NG

8 Check the communication circuit inside Body ECU No. 2.**PREPARATION:**

- (a) Connect the connector "C13" of combination meter ECU.
- (b) Disconnect the connector "B6" of Body ECU No. 2.
- (c) Remove the Body ECU No. 2 from Driver side J/B.

CHECK:

Check the DTC.

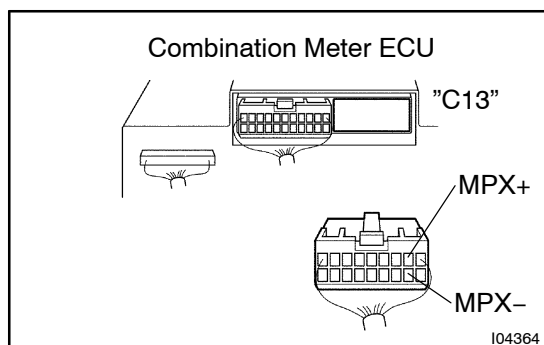
OK:

Code B1266 or B1267 is not output.

OK

Replace the Body ECU No. 2.

NG

9 Check for short circuit between combination meter ECU and Body ECU No. 2.**PREPARATION:**

Disconnect the connector "C12" of combination meter ECU.

CHECK:

Check the DTC.

OK:

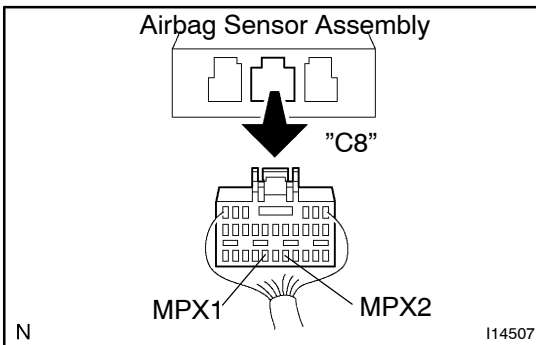
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between combination meter ECU and Body ECU No. 2.

NG

10 Check short circuit between combination meter ECU and airbag sensor assembly.



PREPARATION:

- (a) Install the Body ECU No. 2 to driver side J/B.
- (b) Connect the connector "B6" of Body ECU No. 2.
- (c) Disconnect the connector "C8" of airbag sensor assembly.

CHECK:

Check DTC.

OK:

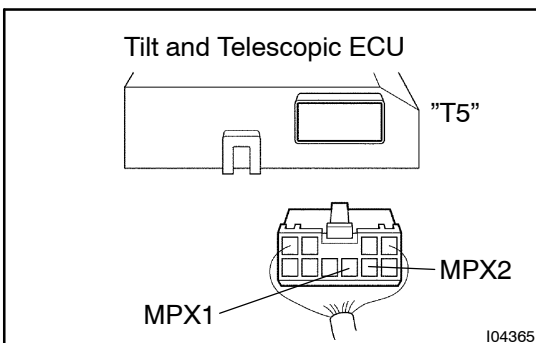
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between combination meter ECU and airbag sensor assembly.

NG

11 Check for short circuit between combination meter ECU and tilt and telescopic ECU.



PREPARATION:

- (a) Install the Body ECU No. 2 to driver side J/B.
- (b) Connect the connector "B6" of Body ECU No. 2.
- (c) Disconnect the connector "T5" of tilt and telescopic ECU.

CHECK:

Check the DTC.

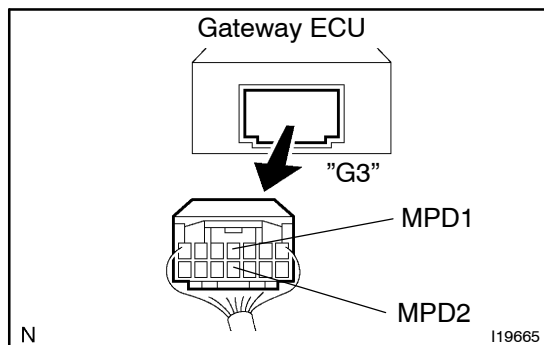
OK:

Code B1266 or B1267 is not output

OK

Repair or replace the wireharness between combination meter ECU and tilt and telescopic ECU.

NG

12 Check for short circuit between tilt and telescopic ECU and gateway ECU.
**PREPARATION:**

- (a) Connect the connector "C12" of combination meter ECU.
- (b) Disconnect the connector "G3" of gateway ECU.

CHECK:

Check the DTC.

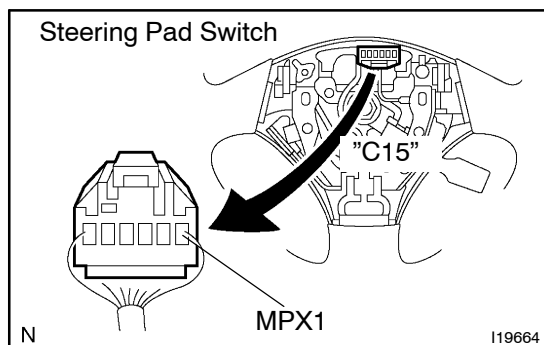
OK:

Code B1266 or B1267 is not output

OK

Repair or replace the wireharness between tilt and telescopic ECU and gateway ECU.

NG

13 Check for short circuit between tilt and telescopic ECU and steering pad switch.
**PREPARATION:****HINT:**

Proceed to next step, when vehicle has not steering pad switch.

- (a) Connect the connector "G3" of gateway ECU.
- (b) Disconnect the connector "C15" of steering pad switch.

CHECK:

Check the DTC.

OK:

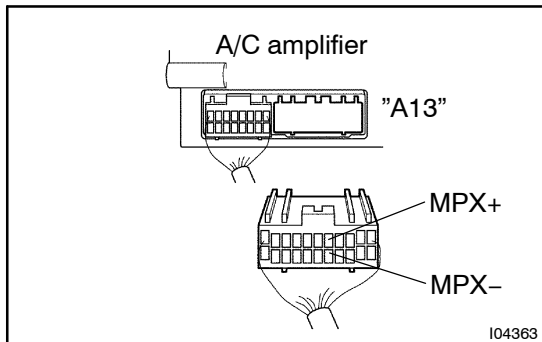
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between steering pad switch and tilt and telescopic ECU.

NG

14 Check for short circuit between tilt and telescopic ECU and A/C amplifier.



PREPARATION:

- (a) w/ Steering pad switch:
Connect the connector "C15" of steering pad switch.
- (b) w/o Steering pad switch:
Connect the connector "G3" of gateway ECU.
- (c) Disconnect the connector "A16" of A/C amplifier.

CHECK:

Check the DTC.

OK:

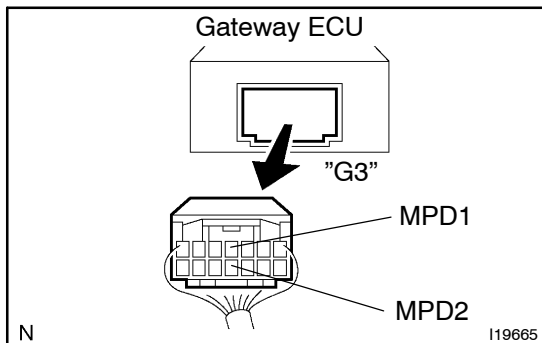
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between tilt and telescopic ECU and A/C amplifier.

NG

15 Check for short circuit between gateway ECU and A/C amplifier.



PREPARATION:

- (a) Connect the connector "T5" of tilt and telescopic ECU.
- (b) Disconnect the connector "G3" of gateway ECU.

CHECK:

\Check the DTC.

OK:

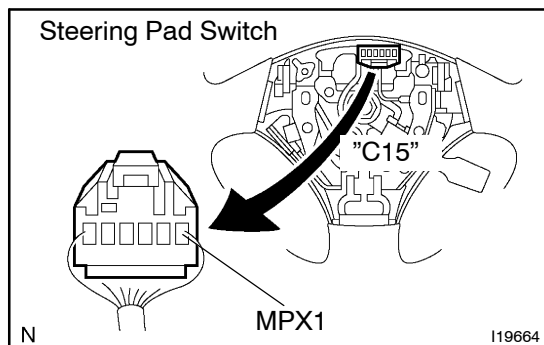
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between gateway ECU and A/C amplifier.

NG

16 Check for short circuit between gateway ECU and steering pad switch.



PREPARATION:

HINT:

Proceed to next step, when vehicle has not steering pad switch.

- (a) Connect the connector "A16" of A/C amplifier.
- (b) Disconnect the connector "C15" of steering pad switch.

CHECK:

Check the DTC.

OK:

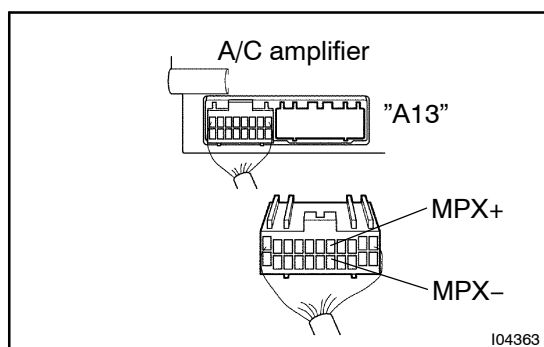
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between gateway ECU and steering pad switch.

NG

17 Check short circuit between steering pad switch and A/C amplifier.



PREPARATION:

- (a) Connect the connector "G3" of gateway ECU.
- (b) Disconnect the connector "A16" of A/C amplifier.

CHECK:

Check the DTC.

OK:

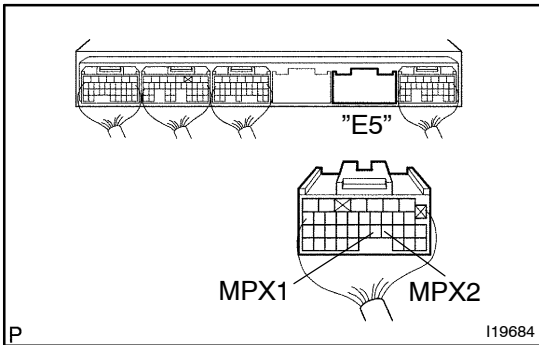
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between steering pad switch and A/C amplifier.

NG

18 Check for short circuit between airbag sensor assembly and engine and ECT ECU.



PREPARATION:

- (a) Connect the connector "A16" of A/C amplifier.
- (b) Disconnect the connector "E5" of engine and ECT ECU.

CHECK:

Check the DTC.

OK:

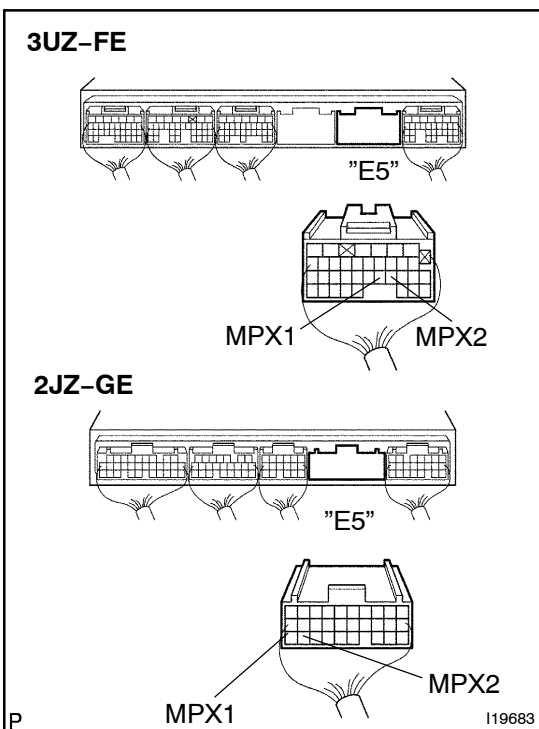
Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between air-bag sensor assembly and engine and ECT ECU.

NG

19 Check for short circuit between A/C amplifier and engine and ECT ECU.



PREPARATION:

- (a) Connect the connector "C15" of pad switch.
- (b) Disconnect the connector "E5" of engine and ECT ECU.

CHECK:

Check the DTC.

OK:

Code B1266 or B1267 is not output.

OK

Repair or replace the wireharness between A/C amplifier and engine and ECT ECU.

NG

20**Check for short circuit between engine and ECT ECU and Body ECU No. 1.****PREPARATION:**

- (a) Connect the connector "A16" of A/C amplifier.
- (b) Disconnect the connector "B5" of Body ECU No. 1.

CHECK:

Check wireharness between engine and ECT ECU and Body ECU No. 1.

NG**Repair or replace the wireharness between engine and ECT ECU and Body ECU No. 1.****OK****Replace the Body ECU No. 1.**