

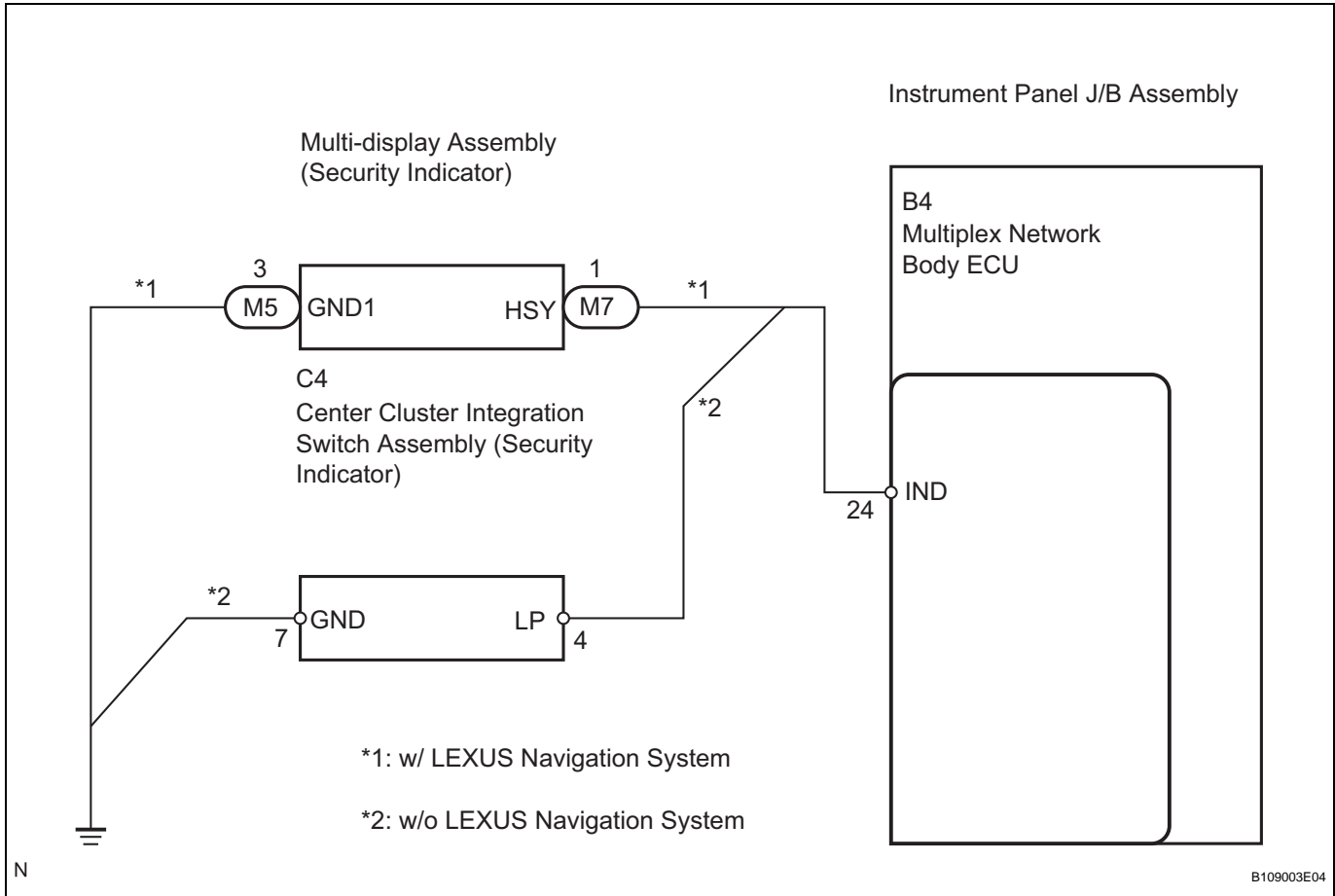
Security Indicator Light Circuit

DESCRIPTION

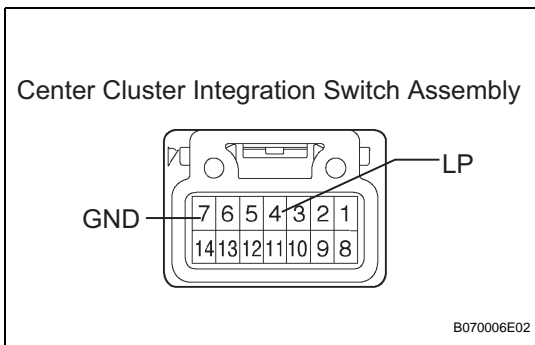
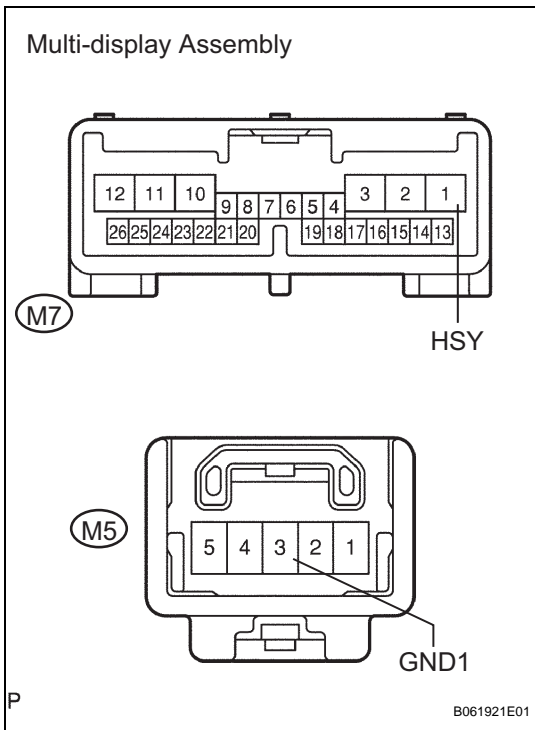
Even when the theft deterrent system is in the disarmed state, the security indicator blinks due to a signal output from the immobiliser system. The security indicator blinks continuously due to a continuous signal received from the immobiliser system while in the armed state.

The multiplex network body ECU causes the security indicator to light up or blink only during the arming preparation state and alarm sounding state.

WIRING DIAGRAM



1 INSPECT MULTI-DISPLAY ASSEMBLY OR CENTER CLUSTER INTEGRATION SWITCH ASSEMBLY (SECURITY INDICATOR)



- (a) w/ LEXUS navigation system:
Check the security indicator.
- (1) Remove the multi-display.
 - (2) Apply battery voltage to the terminals of the multi-display and check the lighting condition of the security indicator.

Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 1 (HSY) (M7 side)	Lights up
Battery negative (-) → Terminal 3 (GND) (M5 side)	

NOTICE:

- If the positive (+) lead and the negative (-) lead are incorrectly connected, the security indicator will not light up.
- Voltage of more than 12 V will damage the security indicator.
- If the voltage is too low, the security indicator will not light up.

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- (b) w/o LEXUS navigation system:
Check the security indicator.
- (1) Remove the center cluster integration switch.
 - (2) Apply battery voltage to the terminals of the center cluster integration switch and check the lighting condition of the security indicator.

Standard

Measurement Condition	Specified Condition
Battery positive (+) → Terminal 4 (LP)	Lights up
Battery negative (-) → Terminal 7 (GND)	

NOTICE:

- If the positive (+) lead and the negative (-) lead are incorrectly connected, the security indicator will not light up.
- Voltage of more than 12 V will damage the security indicator.
- If the voltage is too low, the security indicator will not light up.

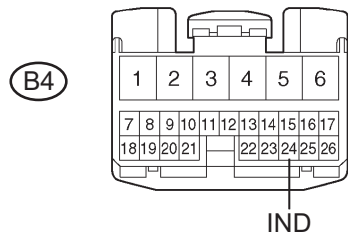
NG REPLACE MULTI-DISPLAY ASSEMBLY OR CENTER CLUSTER INTEGRATION SWITCH ASSEMBLY

OK

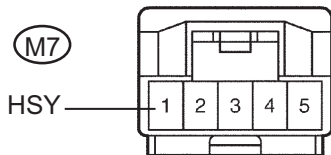
2 CHECK HARNESS AND CONNECTOR (BODY ECU - MULTI-DISPLAY OR CENTER CLUSTER INTEGRATION SW)

Wire Harne^s Side Coonector Front View:

Multiplex Network Body ECU



Multi-display Assembly



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- (a) w/ LEXUS navigation system:
Check the wire harness between the ECU and multi-display.
- (1) Disconnect the B4 ECU connector and M7 multi-display connector.
 - (2) Measure the resistance according to the value(s) in the table below.

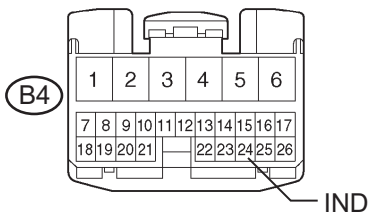
Standard resistance

Symbol (Tester Connection)	Specified Condition
IND (B4-24) - HSY (M7-1)	Below 1 Ω
IND (B4-24) - Body ground	10 kΩ or higher

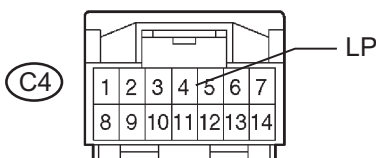
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Wire Harness Side Connector Front View:

Multiplex Network Body ECU



Center Cluster Integration Switch Assembly



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- (b) w/o LEXUS navigation system:
Check the wire harness between the ECU and integration switch.
- (1) Disconnect the C4 switch connector.
 - (2) Measure the resistance according to the value(s) in the table below.

Standard resistance

Symbol (Tester Connection)	Specified Condition
IND (B4-24) - LP (C4-4)	Below 1 Ω
IND (B4-24) - Body ground	10 kΩ or higher

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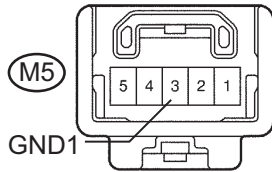
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3 CHECK HARNESS AND CONNECTOR (MULTI-DISPLAY OR CENTER CLUSTER INTEGRATION SW - BODY GROUND)

Wire Harness Side Connector Front View:

Multi-display Assembly
(w/ LEXUS Navigation System)



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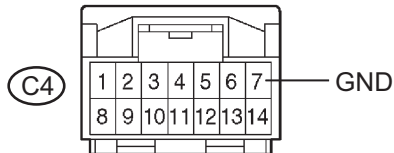
- (a) w/ LEXUS navigation system:
Check the wire harness between the multi-display and the body ground.
- (1) Disconnect the M5 multi-display connector.
 - (2) Measure the resistance according to the value(s) in the table below.

Standard resistance

Symbol (Tester Connection)	Specified Condition
GND1 (M5-3) - Body ground	Below 1 Ω

Wire Harness Side Connector Front View:

Center Cluster Integration Switch Assembly
(w/o LUXUS Navigation System)



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- (b) w/o LEXUS navigation system:
Check the wire harness between the integration switch and the body ground.
- (1) Measure the resistance according to the value(s) in the table below.

Standard resistance

Symbol (Tester Connection)	Specified Condition
GND (C4-7) - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

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