

KICK DOWN SWITCH CIRCUIT

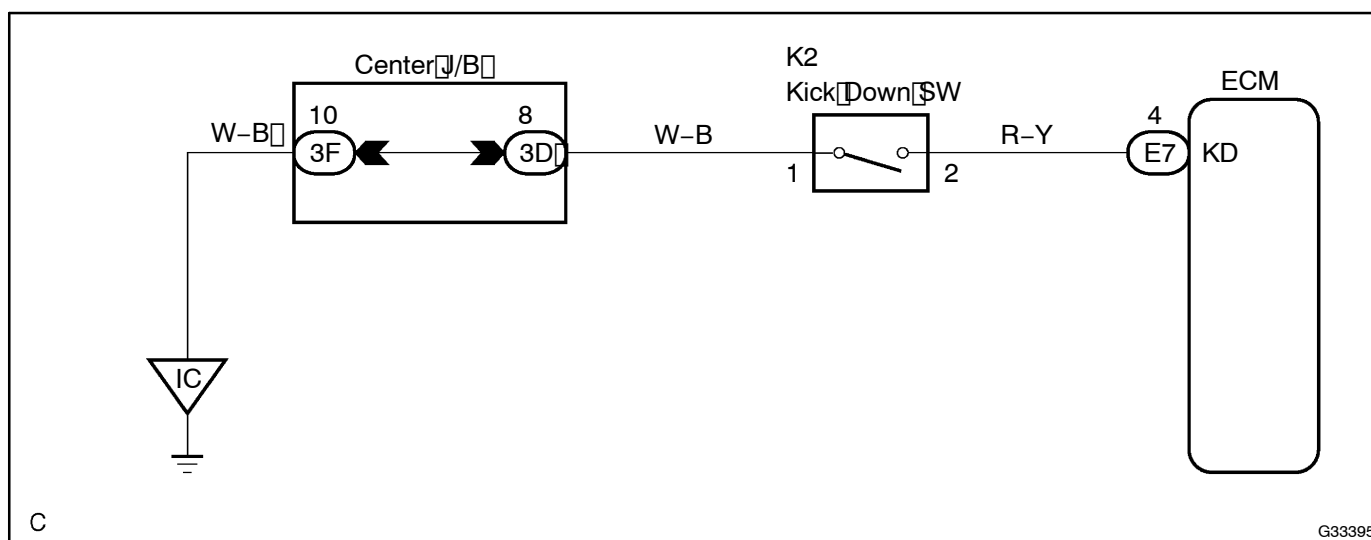
CIRCUIT DESCRIPTION

The kick-down switch is turned ON when the accelerator pedal is fully depressed and a signal is sent to the ECM.

When the kick-down switch is turned ON, the ECM controls gear shifting according to the programmed shift diagrams.

If a short circuit develops in the kick-down switch, the ECM disregards the kick-down signals and controls shifting at the normal shift points.

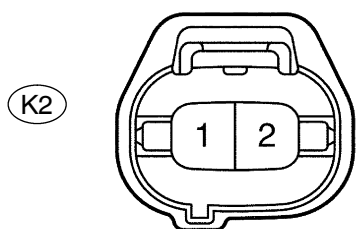
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR (KICK DOWN SWITCH - BODY GROUND)

Wire Harness Side:
(Connector Front View):



G26420

- Disconnect the kick-down switch connector.
- Measure the voltage according to the value(s) in the table below.

Standard:

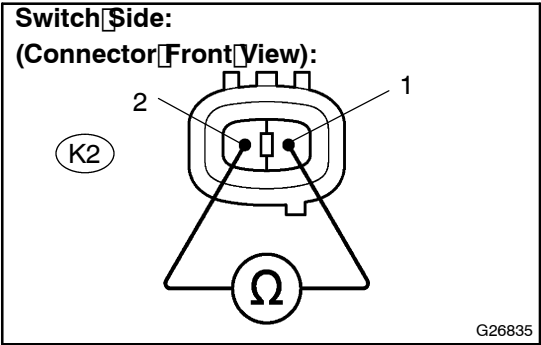
| Tester Connection | Specified Condition |
|-------------------|---------------------|
| 1 - Body ground | Below 1 Ω |

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01-32)

OK

2 INSPECT KICK DOWN SWITCH



(a) Measure resistance according to the value(s) in the table below when kick-down switch is ON and OFF.

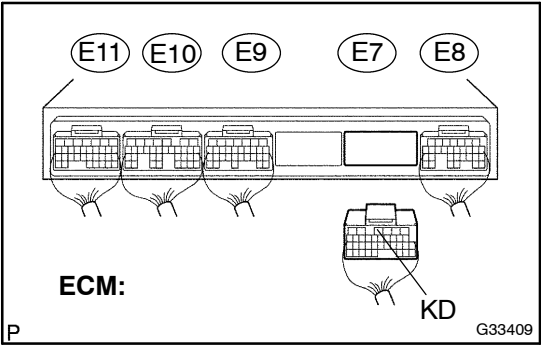
Standard:

| Switch Condition | Tester Connection | Specified Condition |
|--|-------------------|---------------------|
| Press continuously (Kick-down switch is ON) | 1 - 2 | Below 1 Ω |
| Release (Kick-down switch is OFF) | ↑ | 1 MΩ or higher |

NG REPLACE KICK DOWN SWITCH

OK

3 CHECK HARNESS AND CONNECTOR (KICK DOWN SWITCH - ECM)



- (a) Connect the kick-down switch connector.
(b) Disconnect the ECM connector.
(c) Measure resistance according to the value(s) in the table below when accelerator pedal is fully depressed or not.

Standard:

| Switch Condition | Tester Connection | Specified Condition |
|---|------------------------------|---------------------|
| Fully depressed (Kick-down switch is ON) | E7 - 4 (KD) - Body ground | Below 1 Ω |
| Release (Kick-down switch is OFF) | ↑ | 10 kΩ or higher |

NG REPAIR OR REPLACE HARNESS OR
CONNECTOR (SEE PAGE 01-32)

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-766)