

KICK DOWN SWITCH CIRCUIT

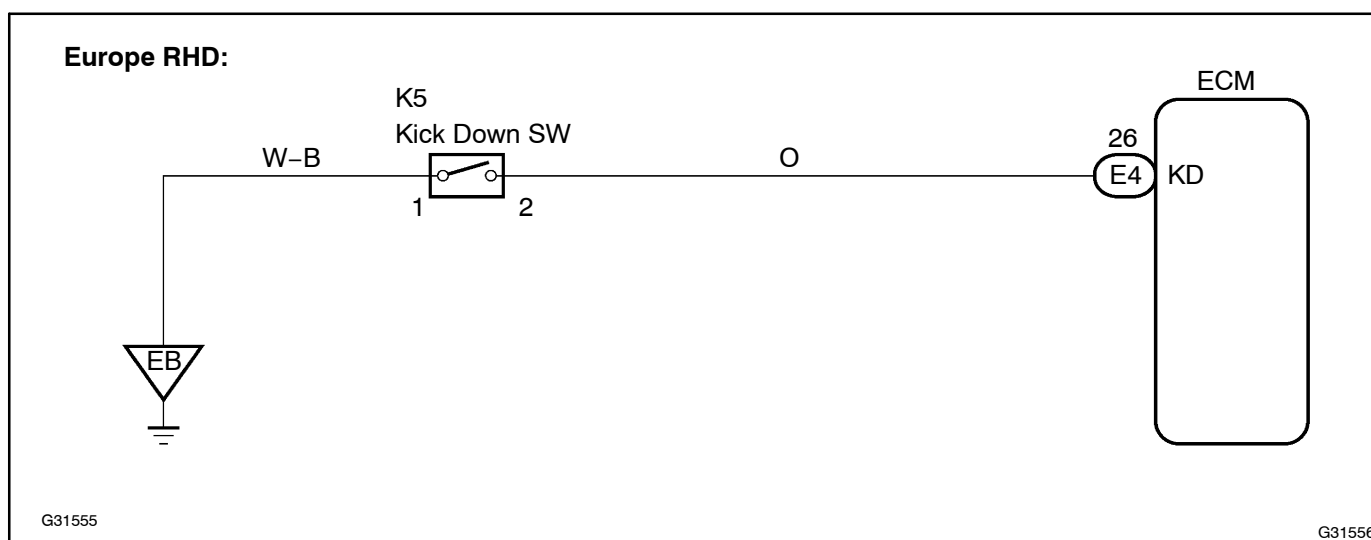
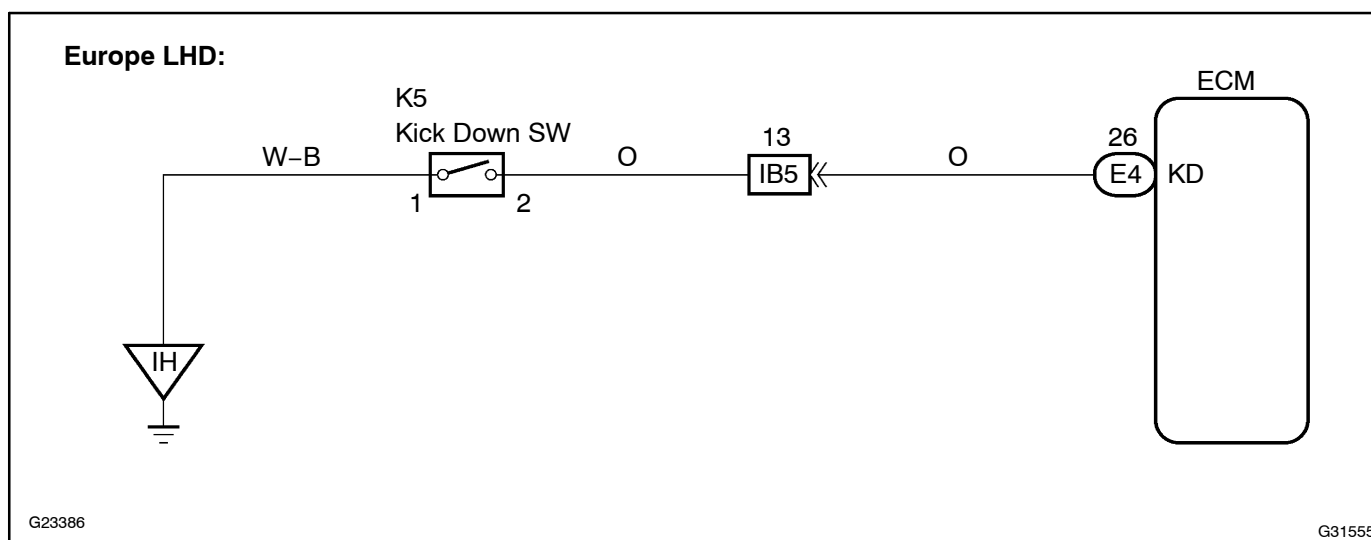
CIRCUIT DESCRIPTION

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.

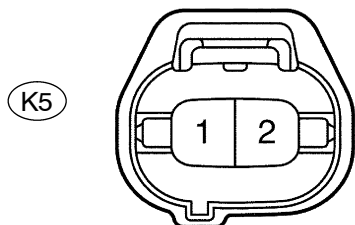
WIRING DIAGRAM



INSPECTION PROCEDURE

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

Wire Harness Side:
(Connector Front View):



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

Standard:

Tester Connection	Specified Condition
1 – Body ground	Below 1 Ω

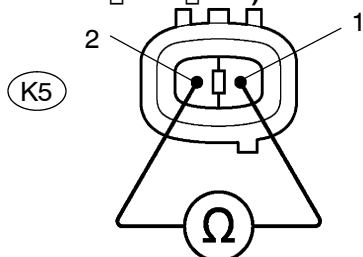
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REPAIR OR REPLACE HARNESS OR
CONNECTOR (SEE PAGE 01-44)

OK

2 INSPECT KICK DOWN SWITCH

Switch Side:
(Connector Front View):



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

Standard:

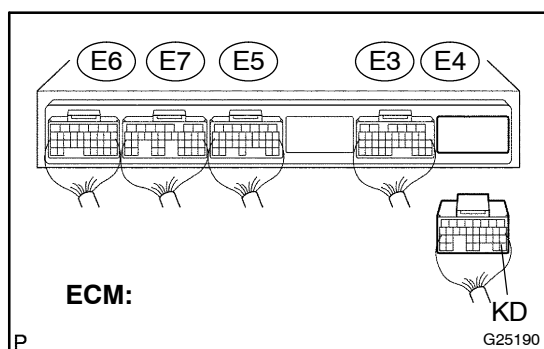
Switch Condition	Tester Connection	Specified Condition
Press continuously (Kick-down switch is ON)	1 – 2	Below 1 Ω
Release (Kick-down switch is OFF)	↑	10 kΩ or higher

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REPLACE KICK DOWN SWITCH

OK

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



- Connect the kick-down switch connector.
- Disconnect the ECM connector.
- 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)	E4 – 26 (KD) – Body ground	Below 1 Ω
Release (Kick-down switch is OFF)	↑	10 kΩ or higher

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REPAIR OR REPLACE HARNESS OR CONNECTOR (SEE PAGE 01-44)

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05-539)