KICK DOWN SWITCH CIRCUIT

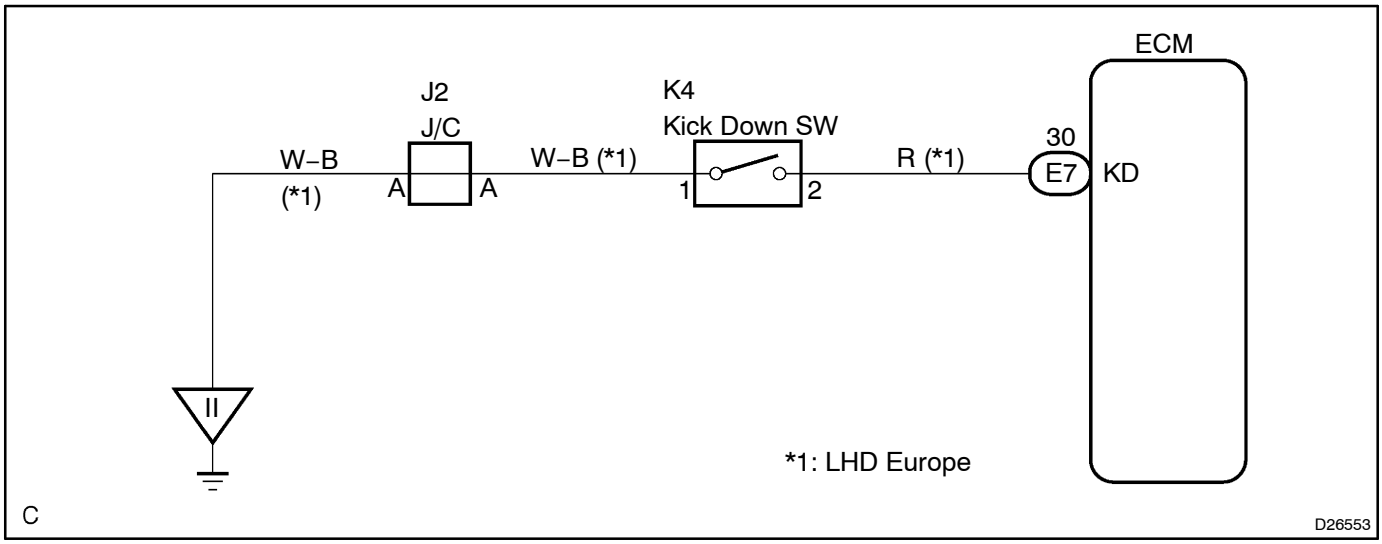
CIRCUIT DESCRIPTION

The kick–down switch is turned ON when the accelerator pedal is depressed to the full throttle and sends signals to ECM.

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

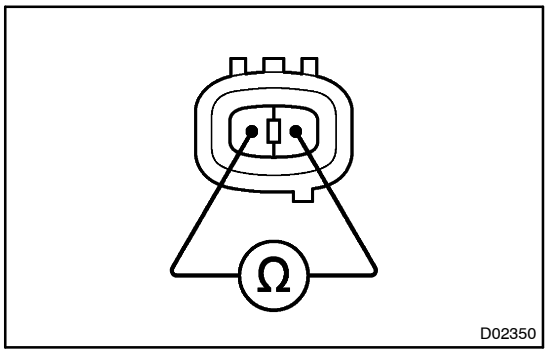
If a short circuit develops in the kick–down switch, the ECM disregards the kick–down signals and controls shifting at the normal shift points.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT KICK DOWN SWITCH



(a) Disconnect the kick–down switch connector.
(b) Measure continuity between terminals 1 and 2 of the kick–down switch connector when kick–down switch is ON and OFF.

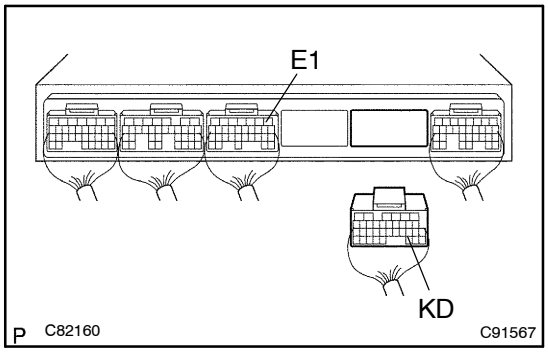
OK:

Kick–down switch	Continuity
ON	Continuity
OFF	No continuity

NG → **REPLACE KICK DOWN SWITCH**

OK

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



(a) Connect the connector of kick–down switch connector.
(b) Turn the ignition switch ON.
(c) Check continuity between terminals KD and E1 of ECM-when accelerator pedal is fully depressed or not.

OK:

Accelerator pedal	Specified condition
Fully depressed (Kick–down switch is ON)	Continuity
Released (Kick–down switch is OFF)	No continuity

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01–31)**

OK

CHECK AND REPLACE ECM(See page 01–31)