

Kick-down Switch Circuit

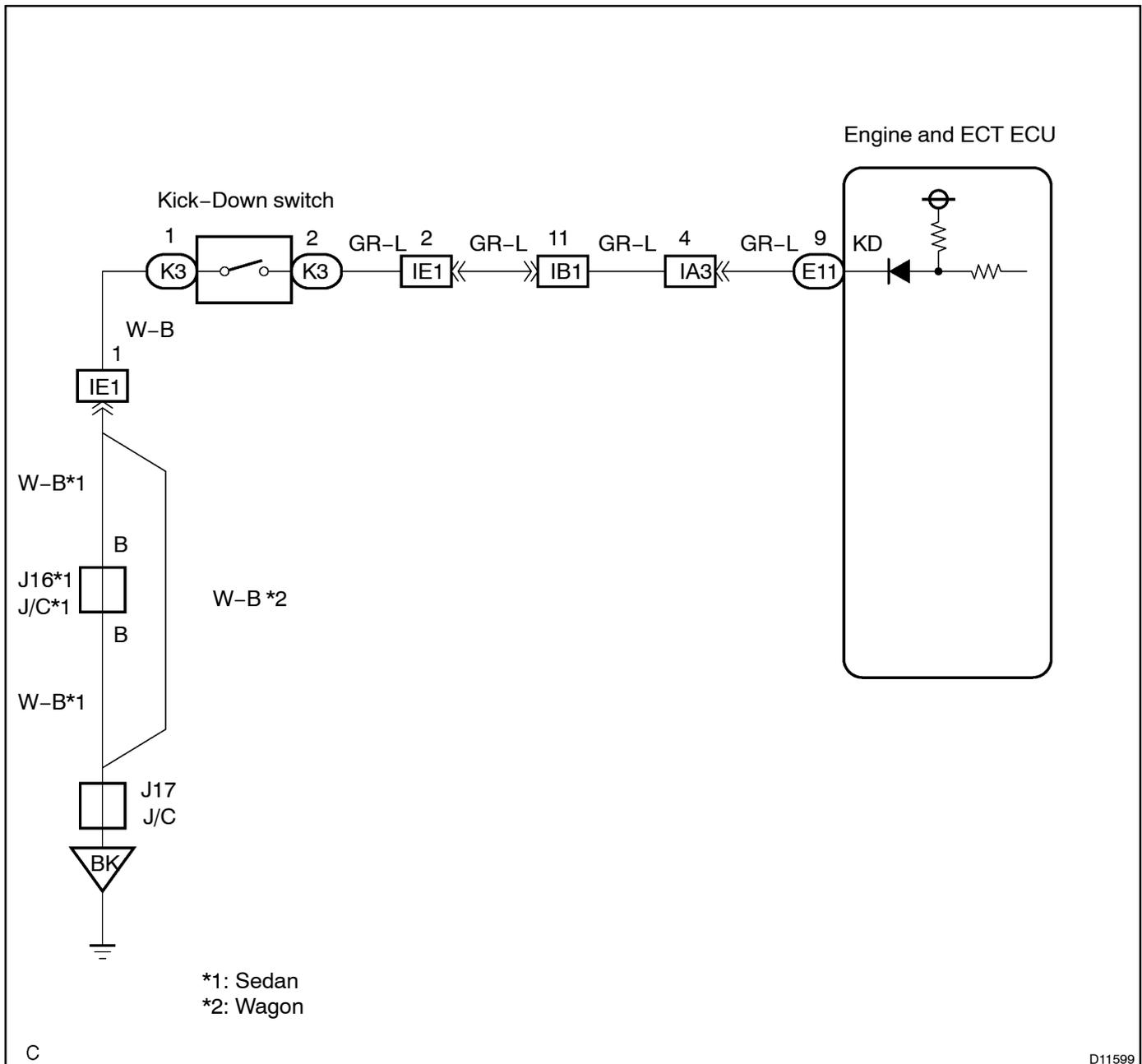
CIRCUIT DESCRIPTION

The kick-down switch is turned ON when the accelerator pedal is depressed to the full throttle and sends signals to Engine and ECT ECU.

When the kick-down switch is turned ON, the Engine and ECT ECU controls gear shifting according to the programmed shift diagrams.

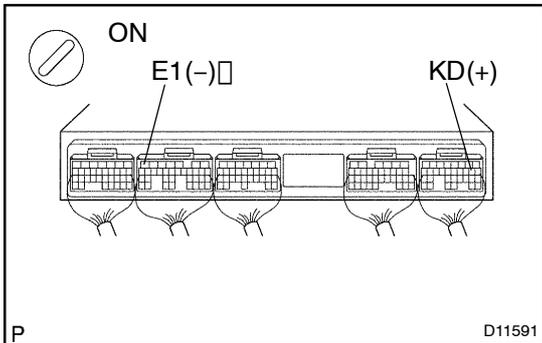
If a short circuit develops in the kick-down switch, the Engine and ECT ECU disregards the kick-down signals and controls shifting at the normal shift points.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check voltage between terminal KD and E1 of Engine and ECT ECU

**PREPARATION:**

Turn the ignition switch ON.

CHECK:

Measure voltage between terminal KD and E1 of Engine and ECT ECU when accelerator pedal is fully depressed or not.

OK:

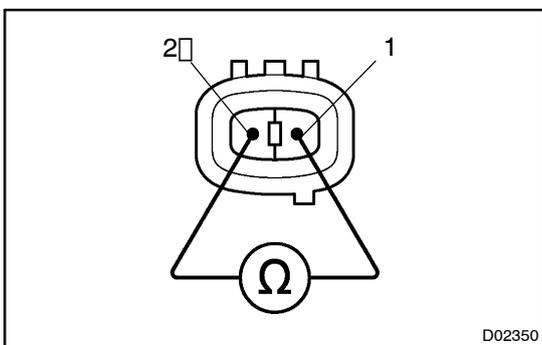
Accelerator pedal	Voltage
Fully depressed (Kick-down switch is ON)	Below 1 V
Released (Kick-down switch is OFF)	10 - 14 V

OK

Proceed to next circuit inspection shown in problem symptoms table (See page DI-190).

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2 Check kick-down switch.

**PREPARATION:**

Disconnect the kick-down switch connector.

CHECK:

Check 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

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Replace the kick-down switch.

OK

Repair or replace the harness or connector (See page IN-34).