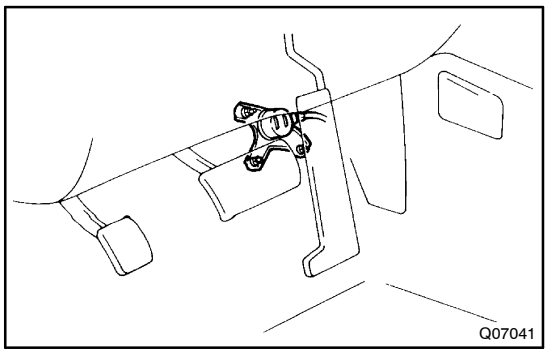
DI8CX–01

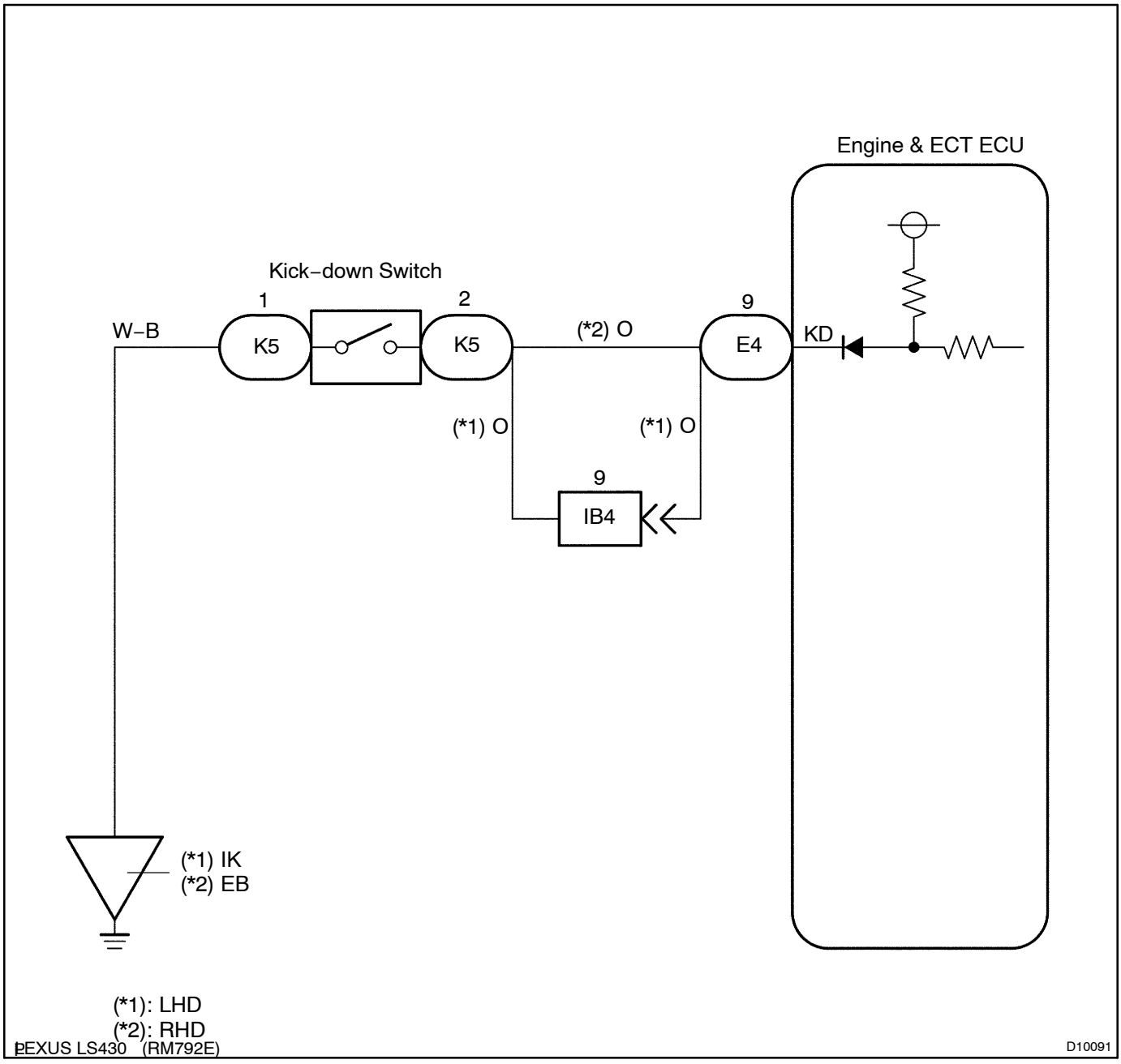
Kick–down Switch Circuit (Europe only)

CIRCUIT DESCRIPTION



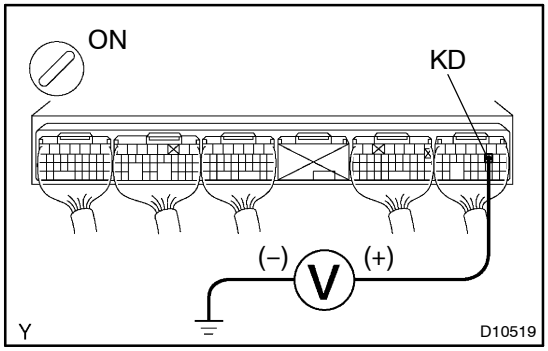
The kick–sown switch is turned ON when the accelerator pedal is depressed to the full throttle and sends signals to Engine & ECT ECU.
When the kick–down switch is turned ON, the Engine & ECT ECU controls gear shifting according to the programmed shift diagrams.
If a short circuit develops in the kick–down switch, the Engine & 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 of Engine & ECT ECU and body ground.



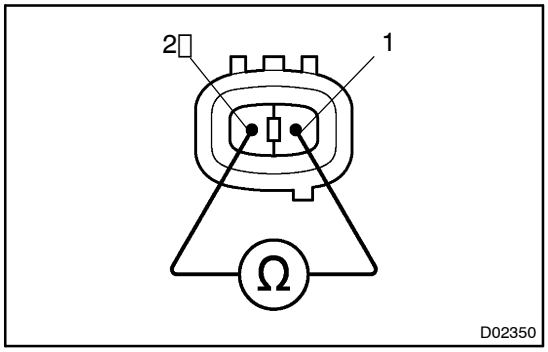
PREPARATION:
Turn the ignition switch ON.
CHECK:
Measure voltage between terminal KD of Engine & ECT ECU and body ground when accelerator pedal is fully depressed or not.
OK:

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–191).

NG

2	Check kick–down switch.



PREPARATION:
Disconnect the kick–down switch connector.
CHECK:
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 the kick–down switch.

OK

3	Check harness and connector between Engine & ECT ECU and kick–down switch, kick–down switch and body ground (See page IN–35).

NG → Repair or replace harness or connector.

OK →

Check and replace Engine & ECT ECU (See page IN–35).