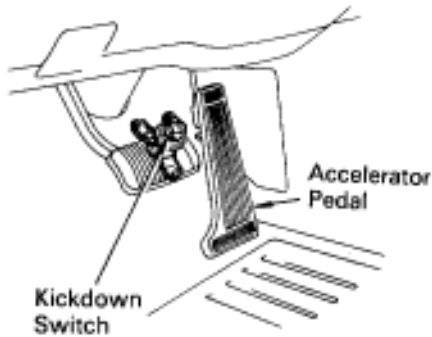


Kickdown Switch Circuit

CIRCUIT DESCRIPTION



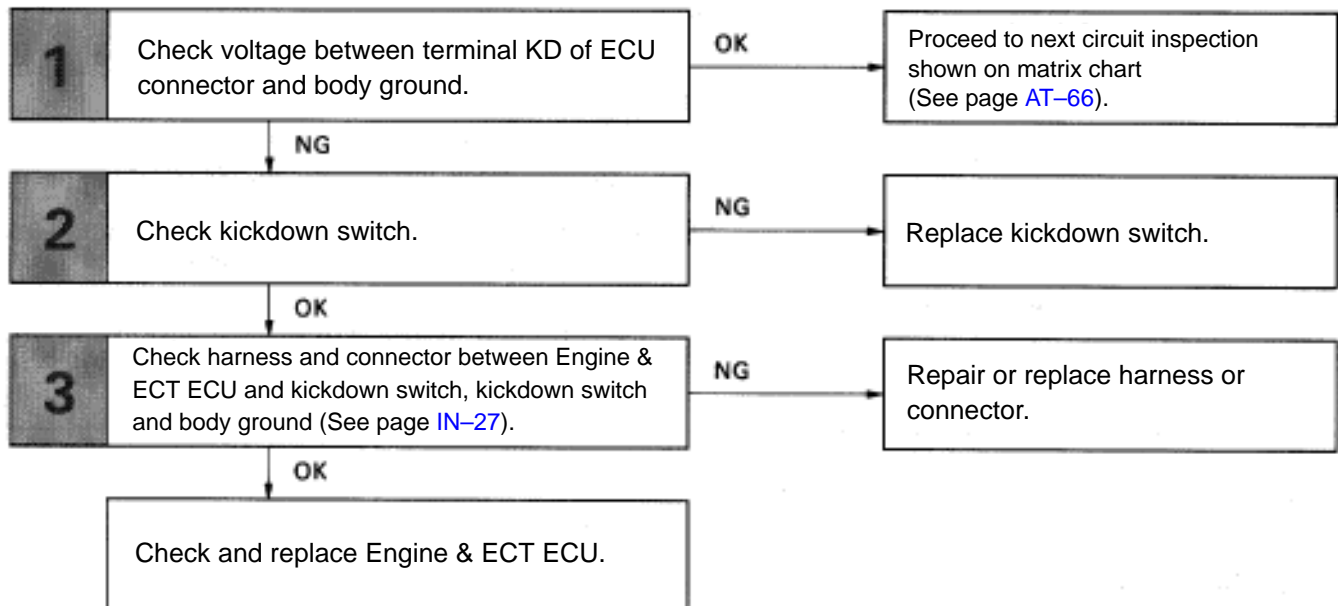
The kickdown switch is turned on when the accelerator pedal is depressed beyond the full throttle opening and sends signals to Engine & ECT ECU.

When the kickdown switch is turned on, the ECU controls gear shifting according to the programmed shift diagrams.

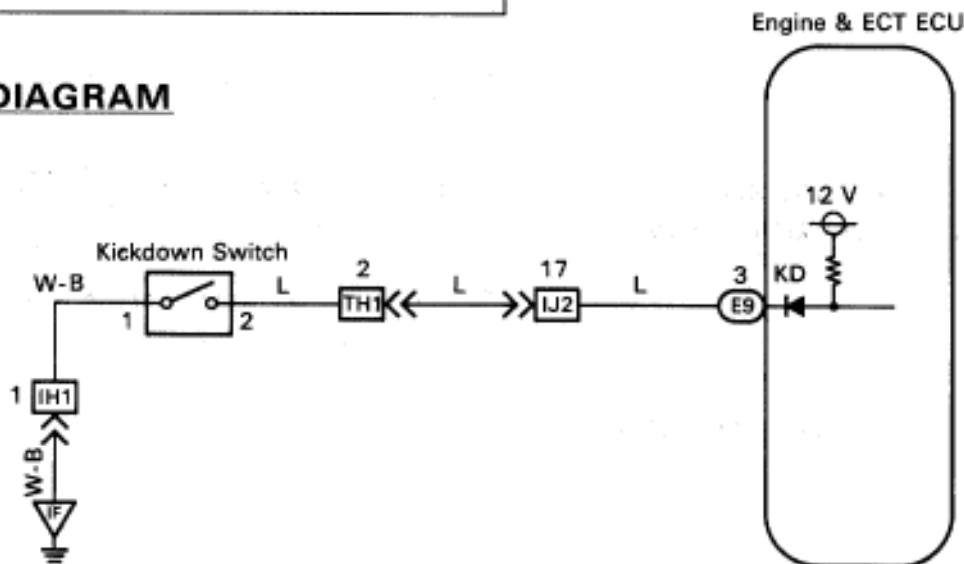
If a short circuit develops in the kickdown switch, the ECU disregards the kickdown signals and controls shifting at the normal shift points.

IT5511

DIAGNOSTIC CHART



WIRING DIAGRAM

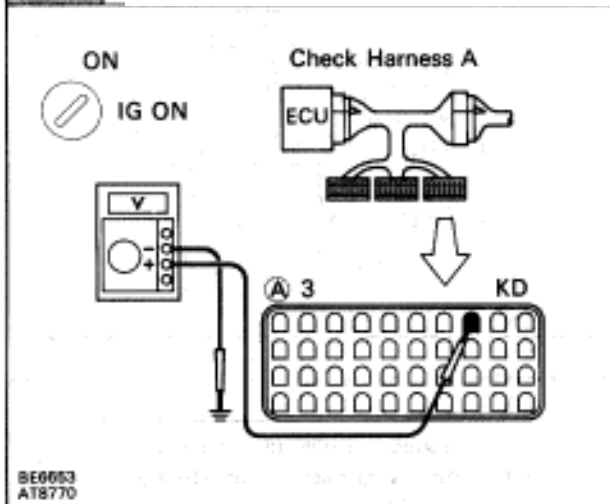


AT8755

INSPECTION PROCEDURES

1

Check voltage between terminal KD of ECU connector and body ground.



P

1. Connect the Check Harness A to the ECU. (See page [TR-30](#)).
2. Turn ignition switch on (Do not start the engine.)

C

Measure voltage between terminal KD of ECU connector and body ground when accel pedal is fully depressed or not.

OK

Accel. pedal	Voltage
Fully depressed (kickdown SW is ON)	Below 1 V
Released (kickdown SW is OFF)	10 – 14 V

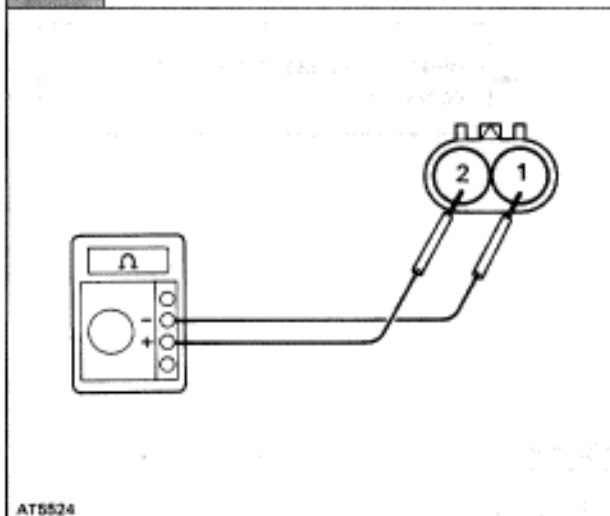
NG

OK

Proceed to next circuit inspection shown on matrix chart (See page [AT-66](#)).

2

Check kickdown switch.



C

1. Disconnect kickdown switch connector. (See page [AT-20](#))
2. Measure resistance between terminals 1 and 2 of kickdown switch connector when kickdown switch is on and off.

OK

Kickdown switch	Resistance
ON	0 Ω (continuity)
OFF	∞ Ω (open)

OK

NG

Replace kickdown switch.

3

Check harness and connector between Engine & ECT ECU and kickdown switch, kickdown switch and body ground (See page [IN-27](#)).

OK

NG

Repair or replace harness or connector.

Check and replace Engine & ECT ECU .