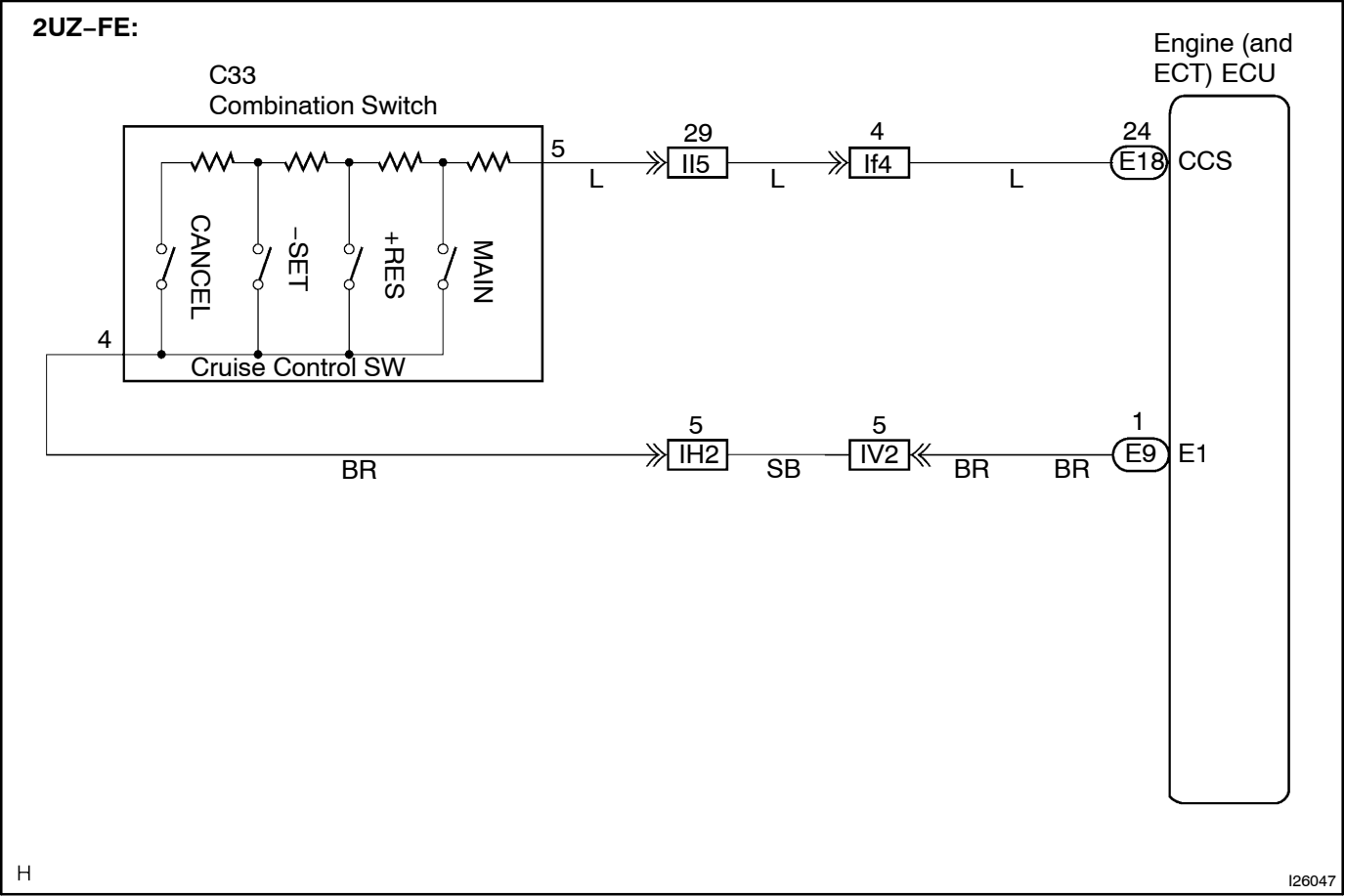DIAZK–01

Main Switch Circuit (Cruise Control Switch)

CIRCUIT DESCRIPTION

This circuit carries the –/SET, +/RESUME and Cancel signals (each voltage) to the ECM.

WIRING DIAGRAM
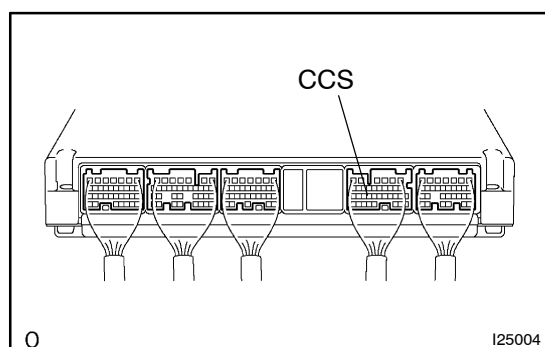
1HD–FTE
(Except Argentina, Russian, New Zealand, South Africa):

C33
Combination Switch

Engine (and
ECT) ECU

CANCEL   –SET   +RES   MAIN
Cruise Control SW

5   29   II5   11 (4)   IN6   (24) 13   E16   CCS
L   L   (If4)   L   (E18)

4

5   IH1   5   IV2   2   Ih1   (28) 9   E16   E2
BR   SB   BR–W   BR–W   (E16)

( ) Except Europe

H I26047   I26324

1HD–FTE
(Argentina, Russian, New Zealand, South Africa):

C33
Combination Switch

Engine (and
ECT) ECU

CANCEL   –SET   +RES
Cruise Control SW

CRUISE

5   29   II5   4   If4   24   E18   CCS
L   L   L

J30
J/B

4   3   10   IH2   E   E   4   IV2   12   E16   CMS
Y–R   SB   SB   Y–R

5   IH2   5   IV2   2   Ih1   28   E16   E2
BR   SB   BR–W   BR–W

H I26047   I26325

INSPECTION PROCEDURE

1	Check voltage between terminal CCS of ECM connector and body ground.

PREPARATION:
(a)   Remove the ECM with connector still connected.
(b)   Turn ignition switch ON.
CHECK:
Measure voltage between terminal CCS of ECM connector and body ground, when each of the –/SET, +RES and CANCEL is turned ON.
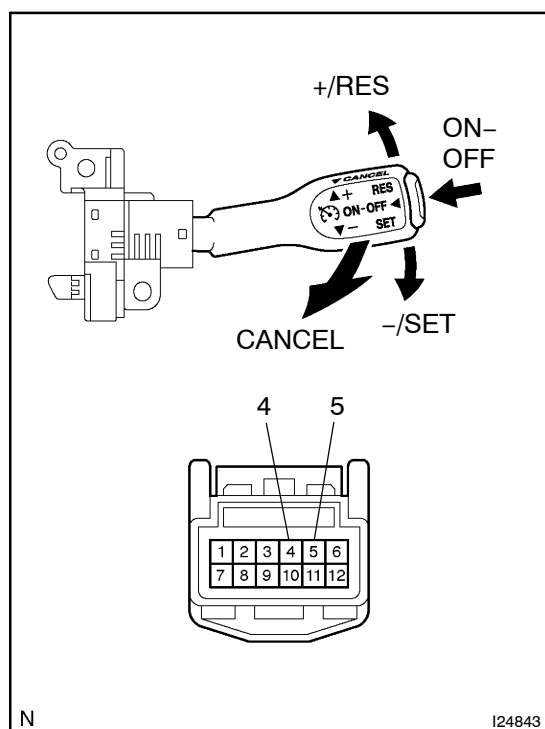**OK:**

Switch Position	Voltage
Neutral	9 – 14 V
+/RES	2.1 – 4 V
–/SET	4 – 7.1 V
CANCEL	6 – 10.1 V

OK	Proceed to next circuit inspection shown on problem symptom table (See page DI–865).

NG

2	Check main switch continuity.

PREPARATION:
(a)   Remove steering wheel center pad.
(b)   Disconnect the control switch connector.
CHECK:
(a)   Measure resistance between terminals 4 and 5 of cruise control switch connector when control switch is operated.

Switch position	Resistance (Ω)
Neutral	∞ (No continuity)
+/RES	210 – 270
–/SET	560 – 700
CANCEL	1380 – 1700

(b)   Check continuity between terminals 4 and 5 of control switch connector when main switch is held on and off.
OK:

Switch position	Tester connection	Specified condition
OFF	4 – 5	No continuity
ON	4 – 5	Continuity

NG	Replace control switch.

OK

| 3 | Check harness and connector between ECM and cruise control switch, cruise control switch and body ground (See page IN−27). |

NG Repair or replace harness or connector.

OK

| 4 | Check cruise control indicator light (See combination meter.) |

NG Replace combination meter.

OK

Check and replace ECM (See page IN−38).