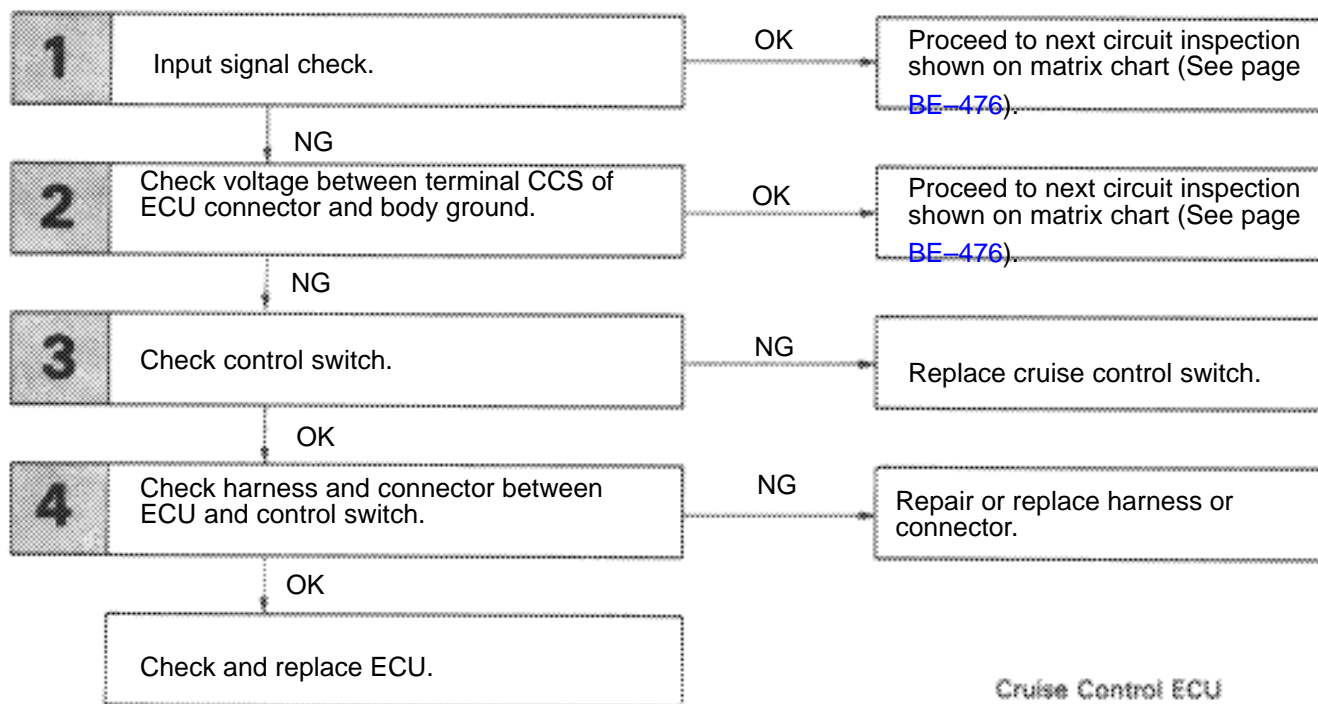
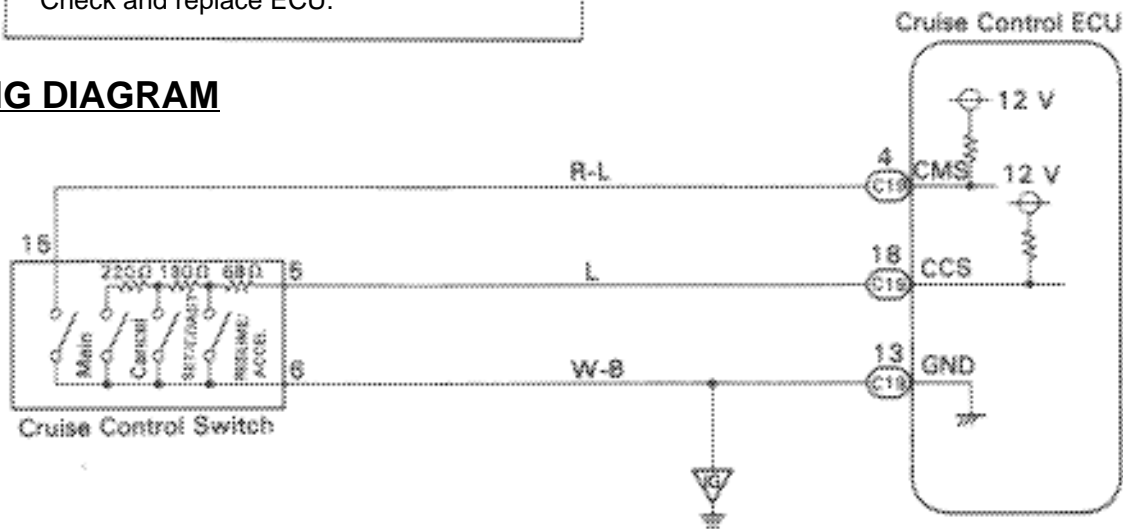


Diag. Code 32, 34**Control Switch Circuit
(Cruise Control Switch)****— CIRCUIT DESCRIPTION —**





This circuit carries the SET/COAST, RESUME/ACCEL and CANCEL signals (each voltage) to the ECU.

Code No.	Diagnosis	Trouble area
31	With main switch ON, RESUME/ACCEL signal is constantly input to ECU.	<ul style="list-style-type: none"> Cruise control switch. Harness or connector between control switch and ECU. ECU
32	Short in, control switch circuit.	
34	More than two of CANCEL, SET/COAST and RESUME/ACCEL signals are input simultaneously.	

— DIAGNOSTIC CHART —**WIRING DIAGRAM**

INSPECTION PROCEDURE

1 Input signal check.

Input Signal	Indicator light blinking pattern
SET/COAST SWITCH	ON  OFF
RESUME/ACCEL SWITCH	ON  OFF
CANCEL SWITCH	ON  OFF 

BE4006

- P** (1) See input signal check on page BE- .
(2) Check the indicator light operation when each of the SET/COAST, RESUME/ACCEL and CANCEL is turned ON.

OK SET/COAST, RESUME/ACCEL Switch

The signals shown in the table on the left should be output when each switch is ON. The signal should disappear when the switch is turned OFF.

CANCEL Switch.

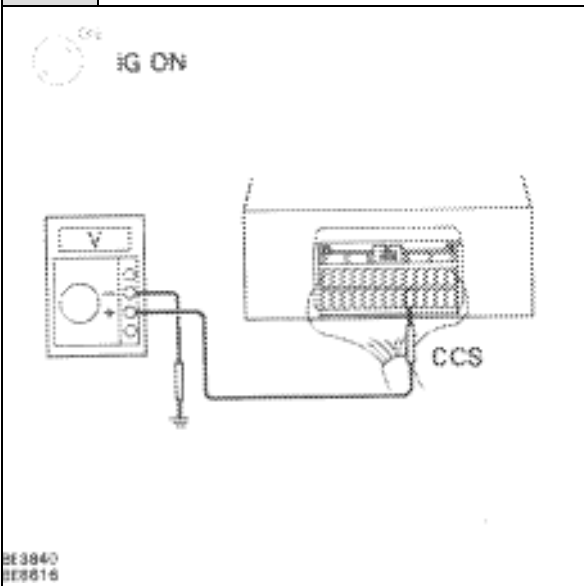
The indicator light goes off when the cancel switch is turned ON.

NG

OK

Proceed to next circuit inspection shown on matrix chart (See page [BE-476](#)).

2 Check voltage between terminal CCS of ECU connector and body ground.

BE3840
BE3816

- P** Remove ECU with connectors still connected.

- C** (1) Turn ignition switch ON.
(2) Measure voltage between terminal CCS of ECU connector and body ground, when each of the SET/COAST, RESUME/ACCEL and CANCEL is turned ON.

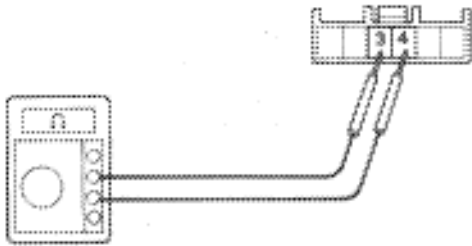
OK

Switch position	Voltage
Neutral	10 – 14 V
RES/ACC	0.8 – 3.6 V
SET/COAST	2.5 – 6.2 V
CANCEL	4.2 – 8.7 V

NG

OK

Proceed to next circuit inspection shown on matrix chart (See page [BE-476](#)).

3 Check control switch.

BE3900

- P** (1) Remove steering wheel center pad.
 (2) Disconnect control switch connector (See page AB-16).

- C** Measure resistance between terminals 3 and 4 of control switch connector when control switch is operated.

OK

Switch position	Resistance
Neutral	1 MΩ or higher
RES/ACC	60 – 80 Ω
SET/COAST	180 – 220 Ω
CANCEL	400 – 400 Ω

- Hint** When diagnostic code 34 is displayed, carefully check that resistance is always in neutral position, particularly when switching between RES/ACC and SET/COAST.

OK**NG**

Replace cruise control switch.

4

Check for open and short in harness and connector between ECU and control switch (see page [IN-27](#)).

OK**NG**

Repair or replace harness or connector.

Check and replace ECU.