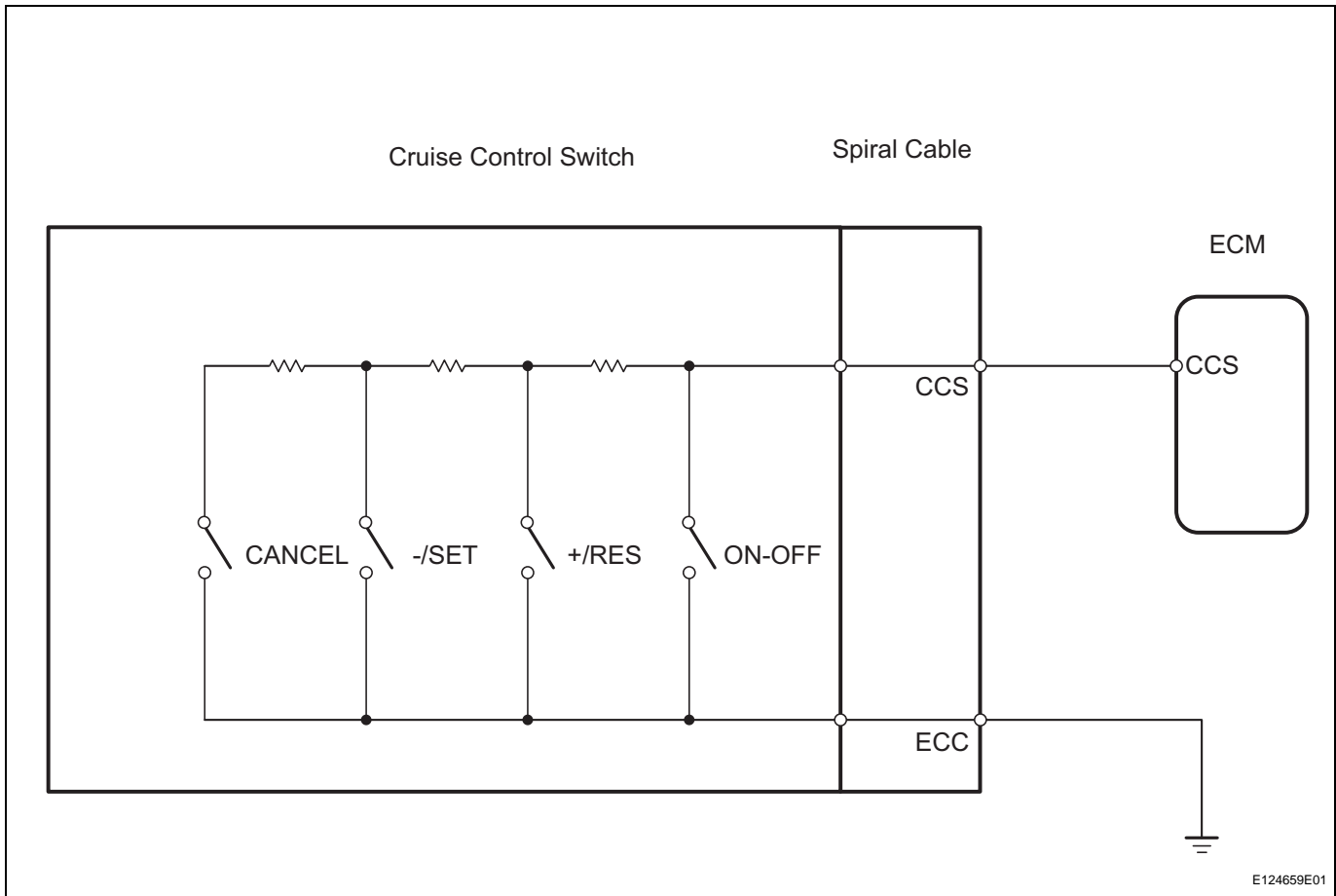


Cruise Control Switch Circuit

DESCRIPTION

This circuit sends signals to the ECM depending on the cruise control switch condition. The battery supplies positive (+) battery voltage to the cruise control switch. Then terminal CCS of the ECM receives the voltage according to the switch condition.

WIRING DIAGRAM



CC

INSPECTION PROCEDURE

1

READ VALUE OF INTELLIGENT TESTER (CRUISE CONTROL MAIN SWITCH)

- (a) Check the DATA LIST for proper functioning of the cruise control switch.

ECM

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
MAIN SW (MAIN)	Main switch (Main CPU) / ON or OFF	ON: Main switch (Main CPU) is ON OFF: Main switch (Main CPU) is OFF	-
CANCEL SW	CANCEL switch / ON or OFF	ON: CANCEL switch is ON OFF: CANCEL switch is OFF	-
SET/COAST SW	- / SET switch / ON or OFF	ON: - / SET switch is ON OFF: - / SET switch is OFF	-

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
RES/ACC SW	+ / RES switch / ON or OFF	ON: + / RES switch is ON OFF: + / RES switch is OFF	-

OK:

When cruise control switch operation is performed, the results will be same as above.

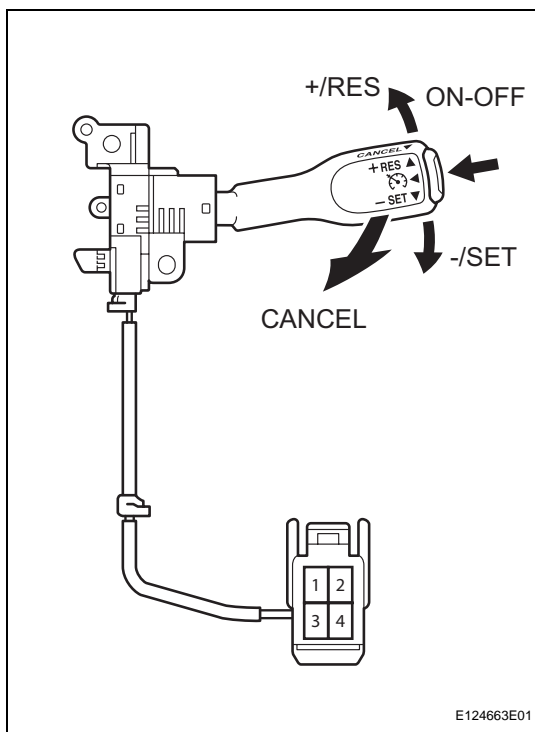
OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

NG

2

INSPECT CRUISE CONTROL SWITCH



- Disconnect the cruise control switch connector.
- Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
3 - 4	cruise control switch ON	10 k Ω or higher
	cruise control switch OFF	Below 1 Ω
	+ / RES	216 to 264 Ω
	- / SET	567 to 693 Ω
	CANCEL	1,386 to 1,694 Ω

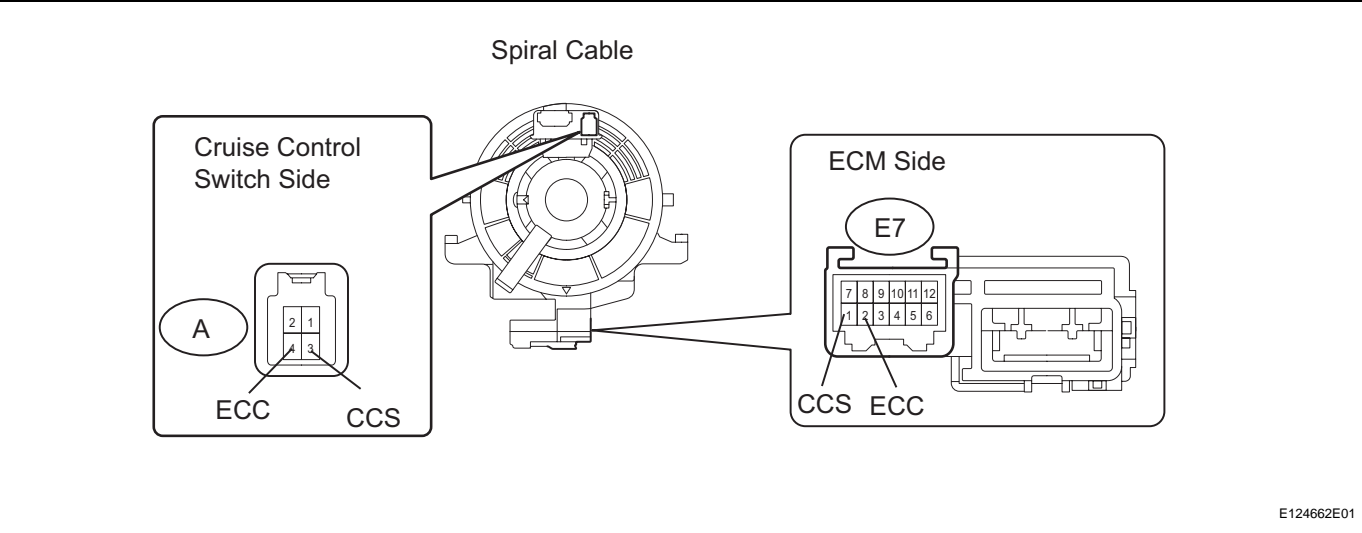
NG

REPLACE CRUISE CONTROL MAIN SWITCH

OK

CC

3INSPECT SPIRAL CABLE SUB-ASSEMBLY



- (a) Disconnect the cruise control switch connector.
- (b) Disconnect the E7 cable connector.
- (c) Measure the resistance of the spiral cable.

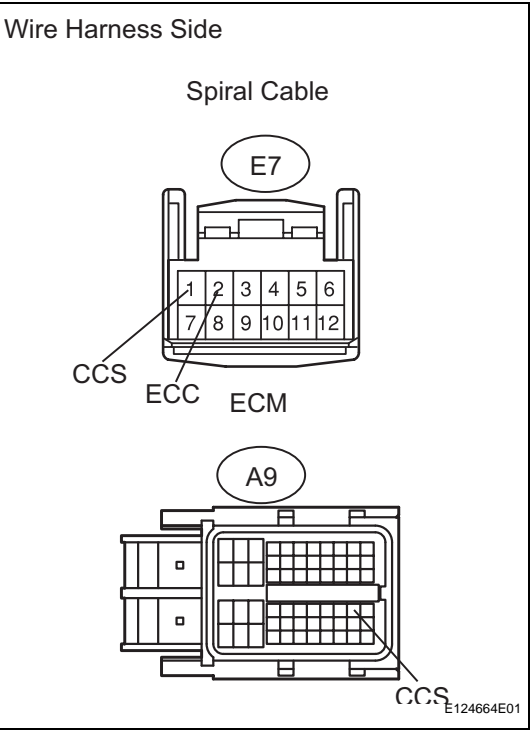
Standard resistance

Tester Connection	Specified Condition
A-3 (CCS) - E7-1 (CCS)	Below 1 Ω
A-2 (ECC) - E7-2 (ECC)	

OK

NGREPLACE SPIRAL CABLE SUB-ASSEMBLY

4 CHECK WIRE HARNESS (SPIRAL CABLE - ECM AND BODY GROUND)



- (a) Disconnect the E7 cable connector.
- (b) Disconnect the A9 ECM connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
E7-1 (CCS) - A9-40 (CCS)	Below 1 Ω
E7-2 (ECC) - Body ground	

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE