

Wiring Diagram for 2007 Honda Civic LX 4-Door. The diagram illustrates the electrical system, including the battery, combination meter, ignition switch, engine room junction box, driver side junction box, passenger side junction box, traction control switch, and brake actuator assembly. Key components and their connections are as follows:

- Battery:** Connected to the SB (Battery) line.
- Combination Meter:** Includes a VSC OFF indicator. Connected to C7 (27) and C8 (15).
- Ignition Switch:** Includes AM2 and IG2 terminals. Connected to the SB line and the Engine Room J/B.
- Engine Room J/B:** Contains fuses IF1 (8), IF6 (3), and IF4 (13). It is connected to the SB line and the Driver Side J/B.
- Driver Side J/B:** Contains fuses 2O (5), 2G (8), 2L (8), and 2R (8). It is connected to the SB line and the Engine Room J/B.
- Passenger Side J/B:** Contains fuses 3B (70) and 3B (30). It is connected to the SB line and the Engine Room J/B.
- Traction Control Switch (T6):** Connected to the SB line and the Driver Side J/B.
- Brake Actuator Assembly (Skid Control ECU with Actuator):** Includes a WT (Wheel Temperature) sensor and a CSW (Control Switch) terminal. It is connected to the SB line and the Driver Side J/B.

Wire colors and terminal numbers are indicated throughout the diagram. The diagram is labeled with 'SB' (Battery) and 'CSW' (Control Switch) at the bottom.

INSPECTION PROCEDURE

NOTICE:

When replacing the brake actuator assy, perform zero point calibration (see page 05-987).

1 INSPECT VSC OFF INDICATOR LIGHT

WHEN USING HAND-HELD TESTER:

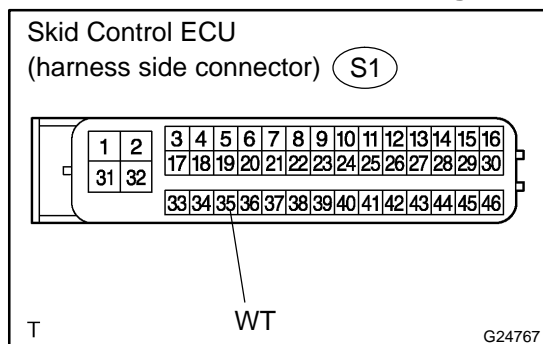
- Connect the hand-held tester to the DLC3.
- Start the engine.
- Select the "TRAC OFF LIGHT" in the ACTIVE TEST and operate the TRAC OFF indicator light on the hand-held tester.

Item	Vehicle Condition / Test Details	Diagnostic Note
VSC / TRAC OFF IND	Turns VSC / TRAC OFF indicator ON / OFF	Observe combination meter

- Check that "ON" and "OFF" of the TRAC OFF indicator light are shown on the combination meter with the hand-held tester.

OK:

The TRAC OFF indicator light is turned ON or OFF in accordance with the hand-held tester.



WHEN NOT USING HAND-HELD TESTER:

- Turn the ignition switch off and disconnect the connector from the skid control ECU.
- Ground terminal WT of the skid control ECU.
- Turn the ignition switch to the ON position.
- Check that the TRAC OFF indicator light comes on.

OK:

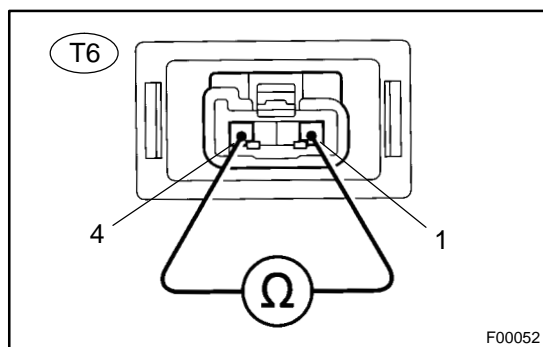
The light is turned ON or OFF in accordance with the connecting condition of terminals GND and WT.

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Go to step 4

OK

2 INSPECT TRACTION CONTROL SWITCH



- Remove the traction control switch.
- Disconnect the traction control switch connector T6.
- Measure the resistance according to the value(s) in the table below.

Standard:

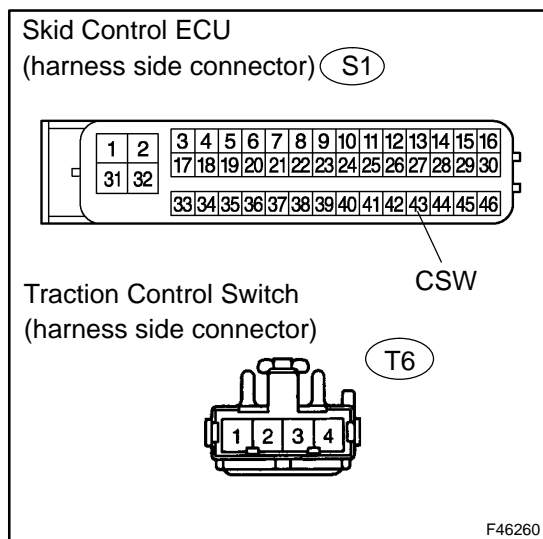
Tester Connection	Switch Condition	Specified Condition
T6-4 – T6-1	Pushed in (ON)	Below 1 Ω
	Released (OFF)	10 kΩ or higher

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REPLACE TRACTION CONTROL SWITCH

OK

3 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – TRACTION CONTROL SWITCH)



- Disconnect the skid control ECU connector S1 and the traction control switch connector T6.
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1-43 (CSW) – T6-4 (+)	Below 1 Ω
S1-43 (CSW) – Body ground	10 k Ω or higher
T6-1 (E) – Body ground	Below 1 Ω

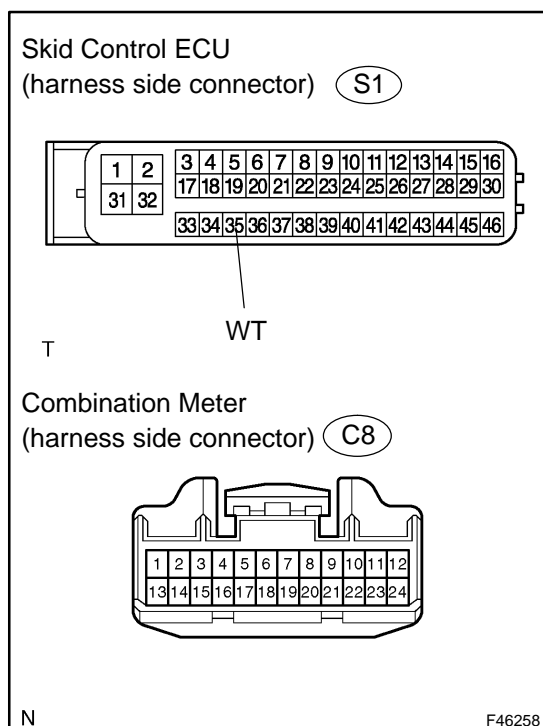
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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32-63)

4 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – COMBINATION METER)



- Disconnect the skid control ECU connector S1 and combination meter connector C8.
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1-35 (WT) – C8-15	Below 1 Ω

- Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1-35 (WT) – Body ground	10 k Ω or higher

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 INSPECT COMBINATION METER ASSEMBLY

(a) Check the combination meter assy (see page [71-1](#)).

NG**REPAIR OR REPLACE COMBINATION METER ASSEMBLY (SEE PAGE [05-1999](#))****OK****REPLACE BRAKE ACTUATOR ASSY (SEE PAGE [32-63](#))**