

Troubleshooting

DTC 86: CAN Bus Circuit

Check for a short to power in the CAN circuits:

1. Disconnect the VSA converter unit 26P connector, steering angle sensor 4P connector and the VSA control unit 42P connector.
2. Turn the ignition switch ON (II).
3. Measure the voltage between body ground and the VSA control unit 42P connector terminal No. 24 and No. 40 individually.

Is there battery voltage?

YES

Repair short to power in the wire between the steering angle sensor, VSA converter unit, and the VSA control unit.

NO

Check for a short to body ground in the CAN circuits:

1. Turn the ignition switch OFF.
2. Check for continuity between body ground and the VSA control unit 42P connector terminal No. 24 and No. 40 individually.

Is there continuity?

YES

Repair short to body ground in the wire between the steering angle sensor, VSA converter unit, and the VSA control unit.

NO

Check for an open in the CAN circuits (converter side):

1. Check for continuity between the VSA control unit 42P connector terminal No. 24 and the VSA converter unit 26P connector terminal No. 18.
2. Check for continuity between the VSA control unit 42P connector terminal No. 40 and the VSA converter unit 26P connector terminal No. 19.

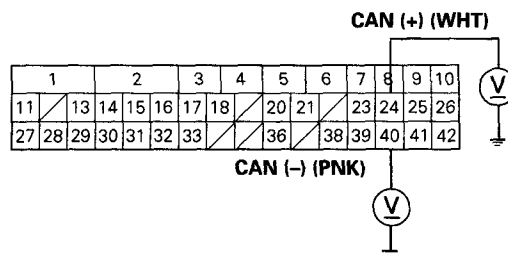
Is there continuity?

NO

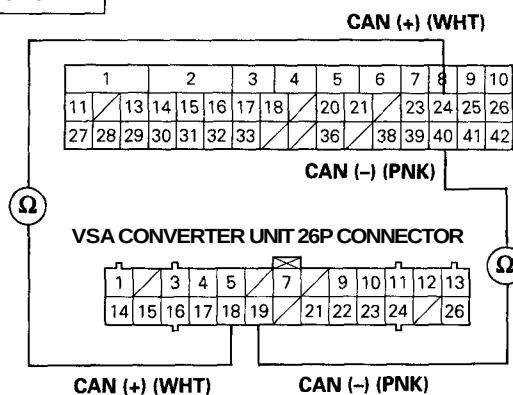
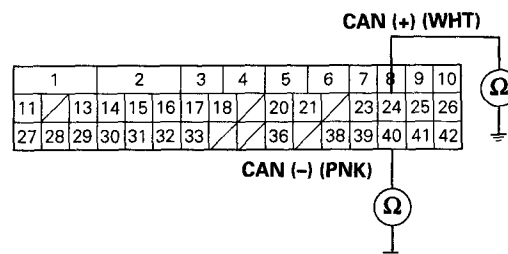
Repair open in the wire between the VSA control unit and the VSA converter unit.

YES

VSA CONTROL UNIT 42P CONNECTOR



Wire side of female terminals



Wire side of female terminals

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