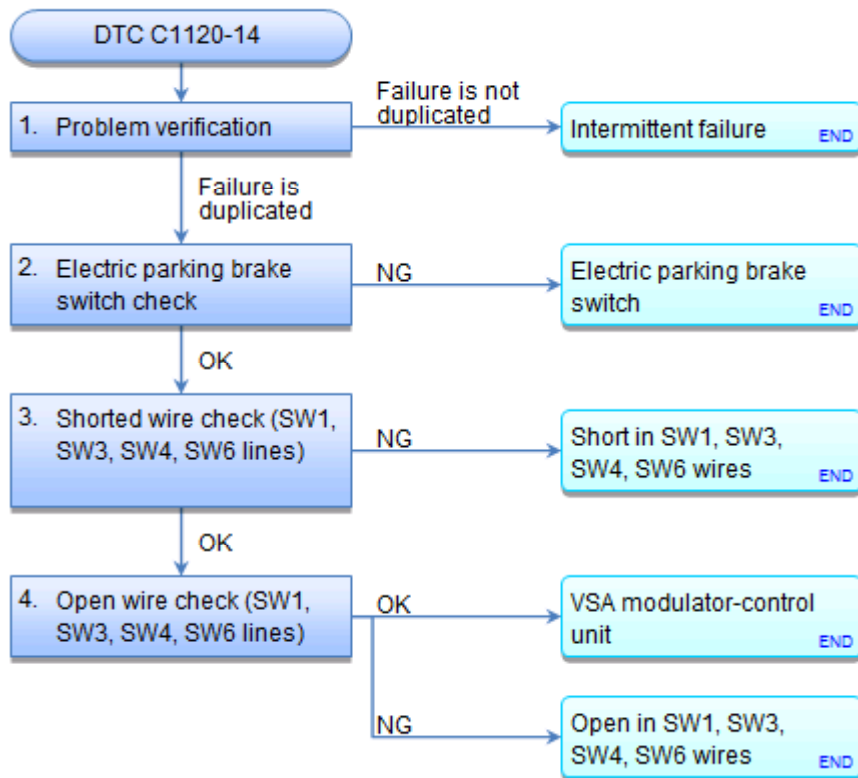


DTC Troubleshooting: C1120-14**DTC C1120-14: Electric Parking Brake Switch Circuit Malfunction**

NOTE: [Before you troubleshoot, review the general troubleshooting information.](#)

| DTC Description | DTC | Freeze Frame |
|--|-----|--------------|
| C1120-14 Electric Parking Brake Switch Circuit Malfunction | | |

DTCs (VSA)**1. Problem verification:**

- 1. Turn the vehicle to the ON mode.
- 2. Clear the DTC with the HDS.

Clear DTCs

- 3. Turn the vehicle to the OFF (LOCK) mode, then to the ON mode.
- 4. Check the parameter(s) below with the HDS.

| Signal | Current conditions | |
|--------------------------------------|--------------------|------|
| | Values | Unit |
| Electric Parking Brake Switch Status | | |

Is there INVALID indicated?

YES The failure is duplicated. Go to step 2.

NO Intermittent failure, the system is OK at this time. [Refer to intermittent failures troubleshooting](#). If the freeze data/on-board snapshot of this DTC is recorded, try to reproduce the failure under the same conditions with the Freeze data/on-board snapshot.■

2. Electric parking brake switch check:

-1. Turn the vehicle to the OFF (LOCK) mode.

-2. [Check the electric parking brake switch](#).

Is the electric parking brake switch OK?

YES Go to step 3.

NO [Replace the electric parking brake switch](#).■

3. Shorted wire check (SW1, SW3, SW4, SW6 lines):

-1. Disconnect the following connectors.

Electric parking brake switch 8P connector

VSA modulator-control unit 46P connector

-2. Check for continuity between the following test points and body ground individually.

Test condition Vehicle OFF (LOCK) mode

Electric parking brake switch 8P connector: disconnected

VSA modulator-control unit 46P connector: disconnected

| Connector | Test circuit | Terminal |
|--|--------------|----------|
| VSA modulator-control unit 46P connector | SW1 | No. 26 |
| | SW3 | No. 27 |
| | SW4 | No. 28 |
| | SW6 | No. 29 |

Is there continuity?

YES Repair a short to body ground in the wires between the VSA modulator-control unit and the electric parking brake switch.■

NO The SW1, SW3, SW4, SW6 wires are not shorted. Go to step 4.

4. Open wire check (SW1, SW3, SW4, SW6 lines):

-1. Check for continuity between test points 1 and 2.

Test condition Vehicle OFF (LOCK) mode

Electric parking brake switch 8P connector: disconnected

VSA modulator-control unit 46P connector: disconnected

Test point 1 Electric parking brake switch 8P connector No. 1

Test point 2 [VSA modulator-control unit 46P connector No. 26](#)

Test point 1 Electric parking brake switch 8P connector No. 4

Test point 2 [VSA modulator-control unit 46P connector No. 27](#)

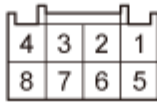
Test point 1 Electric parking brake switch 8P connector No. 8

Test point 2 [VSA modulator-control unit 46P connector No. 28](#)

Test point 1 Electric parking brake switch 8P connector No. 5

Test point 2 [VSA modulator-control unit 46P connector No. 29](#)

ELECTRIC PARKING BRAKE SWITCH 8P CONNECTOR



Wire side of female terminals

Is there continuity?

- YES Check for loose terminals and poor connections in the VSA modulator-control unit 46P connector. Check for any authorized service information related to the DTCs or symptoms you are troubleshooting. If they are OK, [replace the VSA modulator-control unit.](#) ■
- NO Repair an open in the wires between the VSA modulator-control unit and the electric parking brake switch. ■