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1997 CHEVROLET Astro OEM Service and Repair Workshop Manual

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- Press the keyless entry transmitter unlock button once to unlock the driver door, then press a second time within 3 s to unlock all passenger doors.

Sample

2. Close the door onto the striker and note if the door drags on the striker causing the door to move upward or downward upon contact with the striker. Also note the closing effort to fully engage the lock.
3. Using a grease pencil, mark around the striker for reference of the original position. Loosen the striker.
4. Align the striker to the previous marks. Tighten the bolts.
5. If you are unable to locate the previous striker marks, perform the following steps:
 1. With the striker installed, and the bolts snug but still adjustable, have an assistant hold the inside latch release handle open and gently close the door to position the striker for the up and down adjustment.
 2. Using a grease pencil, mark the striker position at the top and bottom of the striker.
 3. With the height adjustment correct, tighten the bolts and gently close the door. Check the outer door to quarter panel alignment and operation.
 4. If adjustment is necessary, mark the side locations of the striker prior to moving the striker. Adjust the striker in or out as needed. Check the outer door to quarter panel alignment and operation.

6. **CAUTION**

Caution

Refer to [Fastener Caution](#).

Tighten the front side door striker bolts to **25 N·m (18 lb ft)**.

7. Verify the fit of the door, and the operation of the door latch by using the manual and electric door release.

Circuit/System Description

The driver and passenger window motor will supply a 12 V signal to the their respective door ajar switch signal circuits. The door ajar switches are integral to each door latch assembly. When a door is opened, the normally open door ajar switch closes. With the door ajar switch closed, ground is provided to the door ajar switch signal circuit. The window motor will detect the voltage drop and will communicate the door ajar via serial data with the instrument panel cluster which will display the appropriate door ajar message.

Reference Information

Schematic Reference

[Door Lock/Indicator Schematics](#)

Connector End View Reference

[Component Connector End Views](#)

Description and Operation

[Door Ajar Indicator Description and Operation](#)

Electrical Information Reference

- [Circuit Testing](#)
- [Connector Repairs](#)
- [Testing for Intermittent Conditions and Poor Connections](#)
- [Wiring Repairs](#)

Scan Tool Reference

[Control Module References](#) for scan tool information

Circuit/System Verification

1. Ignition ON.
2. Verify the scan tool Driver Door Ajar Switch parameter changes between Inactive and Active when opening and closing the driver door.
 - **If the parameter does not change**
Refer to Circuit/System Testing — Driver Door Ajar Switch Malfunction.
 - **If the parameter changes**

- **If not Active**

1. Ignition OFF, remove the 3 A fused jumper wire, disconnect the harness connector at the M74D Window Motor – Driver, Ignition ON.

2. Test for less than 1 V between the signal circuit and ground.

- If 1 V or greater, repair the short to voltage on the circuit.
- If less than 1 V

3. Test for less than 2 Ω in the signal circuit end to end.

- If 2 Ω or greater, repair the open/high resistance in the circuit.
- If less than 2 Ω , replace the M74D Window Motor – Driver.

- **If Active**

7. Test or replace the A23D Door Latch Assembly – Driver.

Passenger Door Ajar Switch Malfunction

1. Ignition OFF and all vehicle systems OFF, disconnect the harness connector at the A23P Door Latch Assembly – Passenger. It may take up to 2 minutes for all vehicle systems to power down.

2. Test for less than 10 Ω between the ground circuit terminal 3 and ground.

- **If 10 Ω or greater**

1. Ignition OFF.

2. Test for less than 2 Ω in the ground circuit end to end.

- If 2 Ω or greater, repair the open/high resistance in the circuit.
- If less than 2 Ω , repair the open/high resistance in the ground connection.

- **If less than 10 Ω**

3. Ignition ON.

4. Verify the scan tool Passenger Door Ajar Switch parameter is Inactive.

- **If not Inactive**

1. Ignition OFF, disconnect the harness connector at the M74P Window Motor – Passenger.

2. Test for infinite resistance between the signal circuit terminal 1 and ground.

- If less than infinite resistance, repair the short to ground on the circuit.
- If infinite resistance, replace the M74P Window Motor – Passenger.