

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1991 CHEVROLET Corvette C4 Convertible OEM Service and Repair Workshop Manual

[Go to manual page](#)

Note

It may take up to 2 min for all vehicle systems to power down before an accurate ground or low reference circuit continuity test can be performed.

Ignition/Vehicle & All vehicle systems » Off

2. Remove the component:KR5 Rear Defogger Relay
3. Test for less than 10 Ω between the test points:Ground circuit terminal 86&Ground
 - **If 10 Ω or greater**
 1. Ground Connection »Disconnect
 2. Test for less than 2 Ω between the test points:Ground circuit terminal 86&Ground Connection
 - 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**
4. Connect a test lamp between the test points:Control circuit terminal 85&Ground circuit terminal 86
5. Ignition » On / Vehicle » In Service Mode
6. Perform the scan tool control function:Rear Defogger »On and Off

Verify the test lamp turns On and Off.

- **If the test lamp is always Off**
 1. Ignition/Vehicle » Off & Remove » Test lamp
 2. Disconnect the electrical connector:K33 HVAC Control Module
 3. Test for infinite resistance between the test points:Control circuit terminal 85@Relay Socket&Ground
 - If less than infinite resistance » Repair the short to ground on the circuit.
 - If infinite resistance
 4. Test for less than 2 Ω between the test points:Control circuit terminal 85@Relay Socket&Terminal 19 X2@Control module harness
 - If 2 Ω or greater » Repair the open/high resistance in the circuit.
 - If less than 2 Ω » Replace the component:K33 HVAC Control Module

Connect a jumper wire between the test points:Component terminal 85&Ground

6. Test for less than 2 Ω between the test points:Component terminal 30&87

- **If 2 Ω or greater**

Replace the component:KR5 Rear Defogger Relay

- **If less than 2 Ω**

7. All OK.

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair: [Diagnostic Repair Verification](#)

- [Electrical Relay Replacement](#)
- For control module replacement, programming, and setup refer to: [Control Module References](#)

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
Signal				
Window Switch Passenger Down Signal	B317A 02	4	4	—
Window Switch Passenger Up Signal	B317A 02	5	5	—
Window Switch Passenger Express Signal	B317A 02	6	6	—
1. Driver Left Front Window Switch »Down=Inoperative 2. Driver Left Front Window Switch »Up=Inoperative 3. Driver Left Front Window Switch »Express=Inoperative 4. S79P Window Switch - Passenger »Down=Inoperative 5. S79P Window Switch - Passenger »Up=Inoperative 6. S79P Window Switch - Passenger »Express=Inoperative				

Circuit/System Description

For an overview of the component/system, refer to: [Power Windows Description and Operation](#)

Circuit	Description
B+—S79D Window Switch - Driver	Supplied from a fuse.
B+—M74D Window Motor - Driver	Supplied from a fuse.
B+—M74P Window Motor - Passenger	Supplied from a fuse.
Driver Window Main Control Down Switch Signal	The output circuit is switched to ground to activate the component.
Window Switch Driver Express Signal	The output circuit is switched to ground to activate the component.

B316B 00

S79D Window Switch - Driver »Right Front Window Switch=Switch Stuck—For greater than 60 s

B316B 02

- Window Switch Driver Express Signal=Short to Ground—For greater than 60 s
- Driver Window Main Control Down Switch Signal=Short to Ground—For greater than 60 s
- Window Switch Driver Up Signal=Short to Ground—For greater than 60 s

B316B 39

S79D Window Switch - Driver=Signal Erratic

B317A 02

- Window Switch Passenger Down Signal=Short to Ground—For greater than 60 s
- Window Switch Passenger Up Signal=Short to Ground—For greater than 60 s
- Window Switch Passenger Express Signal=Short to Ground—For greater than 60 s

Actions Taken When the DTC Sets

Window Switch—Malfunction

Conditions for Clearing the DTC

B316B 00, B316B 02, B317A 02

- A current DTC will clear when the diagnostic runs and passes.
- A history DTC will clear after 50 consecutive malfunction-free ignition cycles.

B316B 39

If set as a current DTC » Replace the component:S79D Window Switch - Driver

Reference Information

Schematic Reference

[Moveable Window Schematics](#)

Connector End View Reference

[Component Connector End Views](#)