



Testing Procedure for Four-Wire Solenoid Wiring Harness (White Connector)

- 1 Make sure that the ground connection and 12 volt Positive connections are clean and free of corrosion. Due to the high current draw of the system, any terminal that does not make a complete contact may cause a failure condition.
- 2 Switch at helm should be checked to make sure that 12V positive is going to and coming out of the switch with the switch in the "on" position.
- 3 Disconnect the solenoids from the harness at their respective quick disconnects. Check for any corrosion at these terminals, clean and retry harness operation if corrosion is found. Terminal plugs should be locked in place to the connector and should not come out. If terminals come out of the connector easily, it may not be making good contact with its mating terminal.
- 4 Place a test light or volt meter probe into the red and black wire terminals in the quick disconnect connector. With power supplied to the harness and the helm switch in the on position, current will flow between the red and black wires at 12V minimum.
- 5 Place the test light or volt meter probes into the green and white wire terminals. Have an assistant turn the switch to the "on" position. For a brief period of time, current will flow between the green and the white wires. After that time the circuit will be opened by a timer in the harness.
- 6 If harness fails to operate properly in any of the test procedures; contact Corsa Performance for possible replacement.

Testing Procedure for Three-Wire Solenoid Wiring Harness (Black Connector)

- 1 Make sure that the ground connection and 12 volt Positive connections are clean and free of corrosion. Due to the high current draw of the system, any terminal that does not make a complete contact may cause a failure condition.
- 2 Switch at helm should be checked to make sure that 12V positive is going to and coming out of the switch with the switch in the "on" position.
- 3 Disconnect the solenoids from the harness at their respective quick disconnects. Check for any corrosion at these terminals, clean and retry harness operation if corrosion is found. Terminal plugs should be locked in place to the connector and should not come out. If terminals come out of the connector easily, it may not be making good contact with its mating terminal.
- 4 Place a test light or volt meter probe into the white and black wire terminals in the quick disconnect connector. With power supplied to the harness, current will flow between the white and black wires continuously at 12V minimum.
- 5 Place the test light or volt meter probe into the red and black wire terminals in the quick disconnect connector. With power supplied to the harness and the helm switch in the on position, current will flow between the red and black wires at 12V minimum.
- 6 If harness fails to operate properly in any of the test procedures; contact Corsa Performance for possible replacement.