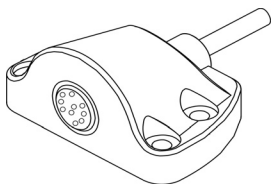


WR3 Cable Tester

Introduction

The WR3 Cable Tester is used to ensure that the CPC connector cable is fully functional.

The cable tester acts as a diagnosis tool to eliminate the possibility of a defective cable being the cause of malfunction that the WR3 interlock might be experiencing.



CPC connector
Cable

The auto interface cable assembly is comprised of two cables connected to a large connector on one end, the large connector in turn connects to the interface module.

One of the cables in the auto interface cable assembly is comprised of the wires that connect to different signals that come from the vehicle (called wiring assembly), and one cable has a connector on its end which connects with the coiled handset cable (called CPC connector cable).

Note: The cable tester can also act as a bypass to the interlock system, so the vehicle can be started when it is connected. This can help in diagnosing problems with the vehicle.

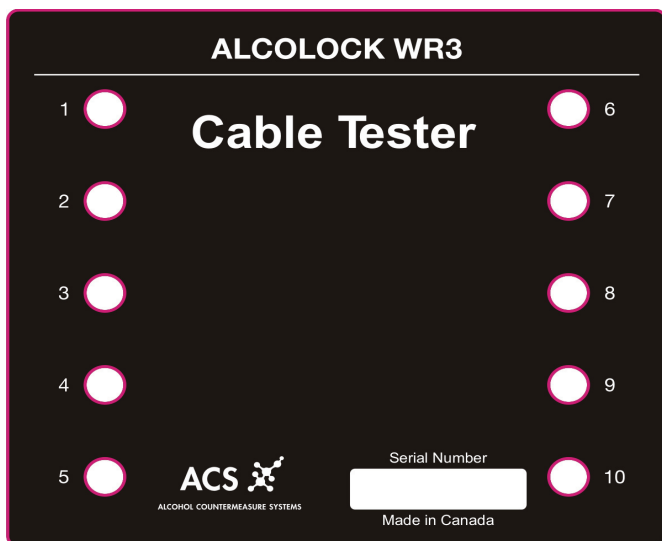
How does it Work?

The WR3 cable tester creates a closed loop to test the continuity between the CPC connector cable, the handset and the interface module.

The tester enables the user to diagnose the problem with an interlock faster by eliminating the possibility of the problem being caused by a defective cable in the interlock.

There are 10 LEDs on the cable tester which correspond to the 10 wires that are within the CPC connector cable.

The following figure displays the front interface of the cable tester, and shows the numbered LEDs.



If the wires are functional, their specific LED will light up. If the wires are defective, their specific LED will not light up.

Using the tester

To connect the tester to a car, follow these steps:

1. Disconnect the auto interface cable assembly from the WR3 interface module, and disconnect the coiled handset cable from the handset plug cable.
2. Connect the auto interface cable assembly to the WR3 cable tester.
3. Connect the cable tester coiled cable to the CPC connector cable.
4. If there is no problem with the auto interface cable the 10 LED's should turn on. If one or more of the LED's do not turn on then the auto interface cable needs to be changed.

5.To fully ensure that there is no loose wire or contact within the CPC connector cable (even if all the LEDs did turn on), hold the CPC connector and twist the wire attached to it in different directions.

If any of the LEDs turn off on the cable tester when the cable is twisted, replace the auto interface cable because there is a faulty wire or connection. If all the LEDs stay on, then there is no problem with the auto interface cable.