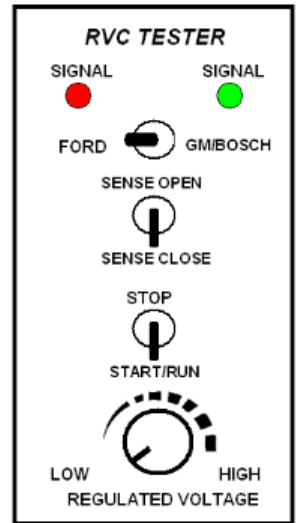
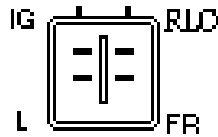


MOBILETRON

RLO Cable

REGITAR USA**RLO PCM Controlled Regulators**

This cable is the extension of RVC tester for testing Denso RLO regulator. After RVC sends signal to the circuit in RLO cable, it will transmit signal to the Denso RLO voltage regulator.

Operating Instructions

Connect the RVC test machine making sure there is a 12-volt positive and negative connection to the alternator and the RVC tester.

The RVC test box leads connect the positive red lead to a 12-volt positive supply and the negative black lead to the negative supply. Choose RLO cable and insert it into the alternator regulator plug and connect other end in connection harness coming from tester box. If the red and black leads are accidentally connected wrong this will not damage the test box, but it simply will not work.

- Have the tester box top switch on the “FORD” to test.
- Have second switch click down onto “SENSE CLOSE”.
- Have third switch click down onto “START/RUN”.
- Put “Regulated Voltage” knob set with white dot close to the HIGH setting to begin test.
- Some test bench cables have 12-volts applied all the time and some become active once the tester begins operation of testing.

Running Test:

- When testing RLO style regulators with the tester set up to a active 12-volt supply, the Red LED light will turn on showing that the tester box has a 12-volt power supply and send a signal to the regulator through the RLO cable. The Green LED light is simulating lamp of charging system.
- Turn the test machine on to start the unit test.
- Once the alternator rotor rotates fast enough to start its output, the Green LED light will turn off. If the Green LED stays on, the regulator or the unit is faulty. (Verify connections are correct.)
- When the Red LED is on and Green LED turns off, this is normal, and then increase test machine to approximately 4000RPM.
- Turn rotary knob “Regulated Voltage”, counterclockwise and voltage should lower to approximately 12.0 volts. Now turn rotary knob clockwise all the way and voltage should rise up to around 14.0 to 15.0 volts. This test shows how the PCM can adjust the regulator voltage. If voltage cannot be adjusted then regulator is faulty. Now leave the rotary knob close to HIGH.
- To test regulator “Default” mode, flip toggle switch from “START/RUN” to “STOP” and regulator should go to approximately 13.5 – 14.5 volts, and both LED Lights will turn off. If not, then the regulator is faulty. Flip toggle switch back to “START/RUN.”
- To test switch functions of regulator, flip toggle switch from “SENSE CLOSE” to “SENSE OPEN”, the regulator will turn off and alternator will not send out current. If the regulator cannot turn off, then the regulator is faulty.
- Due to the default voltage range of regulator with RLO function is 12.0 to 15.0 volts, turning “Regulated Voltage” knob to High would charge battery normally. The Green LED possibly comes on when turning “Regulated Voltage” knob to Low. It will return to normal and Green LED comes off after turning “Regulated Voltage” knob to High.

*****MOBILETRON DOES NOT TAKE ANY RESPONSIBILITY FOR ANY DAMAGE THAT MIGHT OCCUR IF THIS TESTER IS USED ON ANY VEHICLE*****