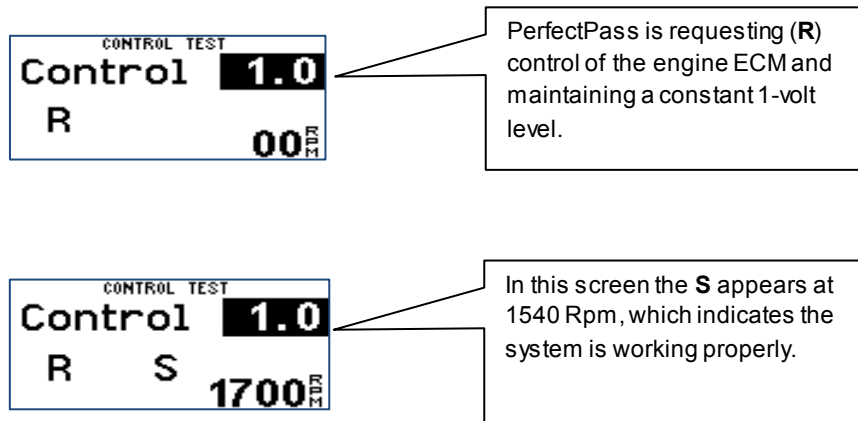# TESTING (CONTROL TEST)

The Control test will check the communication between PerfectPass and the engine. If this test fails, refer to the install documentation provided. Contact Perfectpass for more detailed troubleshooting information.

Press the **MENU** and **UP** keys together from the main screen to access the Settings list. Press the **MENU** key to move your curser through the list and highlight the different options. Pressing the **UP** key will select the highlighted list item. Select **Diagnostics** on Version 9 software to access the **Control Test** mode (The Control Test mode is accessed through Device Test on version 6.5NG, 7 and 8).

PerfectPass is requesting (**R**) control of the engine ECM and maintaining a constant 1-volt level.

In this screen the **S** appears at 1540 Rpm, which indicates the system is working properly.

TEST

You must have an RPM reading on PerfectPass display and the "**R**" must be visible or the test will not work properly. Press the "On/Off" key on Perfectpass to display the "**R**".

With engine ON, lock the gearshift in neutral and advance the throttle handle to 2000 RPM. When all is working correctly an "S" will appear next to the "R" and the engine will hold at approximately 1700 RPM*.

Turn any electrical device on and off, such as a stereo or pump, if PerfectPass surges you have a bad ground. You will need to cut the main PerfectPass ground and wire it directly to the engine block.

If you perform this test on the water <u>on the fly</u>, it should hold very steady at about 1700 Rpm.

If you lower the 1.0 volt setting by pressing Down Key to .7 volts, the engine rpm control will drop to about 1620* and hold reasonably steady.

*The exact control point RPM will vary between engines. The Control Test video and more can be found at www.perfectpass.com