<u>**Servo Phase Test 6.5NG/7.0 Software**</u> (2006-2010)

ENGINE OFF, SYSTEM ON

1. Press Menu & Up Keys at same time. This will bring you to background Menu starting with CONTRAST. Press Menu key until you get to "DEVICE TEST"

2. Press Up Key to enter Device Test and you will see:

   SERVO ON
   SERVO OFF

3. Press Menu Key and PHASE TEST will appear. Press Up Key to enter Phase Test. The screen will now identify each color wire in the cabling from Master Module to servo motor:

GREEN	.7
BLACK	.7
BROWN	.7
WHITE	.7

   Each of these wire colors should show a voltage level of about .7. **If a wire shows 0**, then that color wire does not have continuity and should be checked where it exits the Master Module and at the servo motor.

4. Press the Menu Key to exit the phase test and **ROTATE SERVO** will be highlighted. Advance the throttle to 3/4 open. Press the Up Key to start **Rotate Servo Test**. The servo motor should now **rotate back and forth and the throttle arm on the engine should smoothly open and close as the black knob rotates. You should never see loose nylon cord under the shaft of the black knob. Gently hold the knob during this rotation test to add a little resistance.** If the motor does not turn or if it just vibrates, then an electrical connection or crimp is bad. Unplug the two white connectors at servomotor and inspect the wires going into the connectors. Gently pull on each wire to see if one is loose or not securely in crimp. Also, check the wires at plug in the gray servo power cable where it exits the Master Module.

5. Press the Menu Key to exit the Rotate Servo Test. Press the Menu Key two more times to exit the Servo Test Mode.

*With key OFF, you should be able to easily turn the black knob on servomotor shaft. (If you cannot turn the knob then the servomotor is seized)

*New Installation: If the system was just installed and the servo will not perform the "auto tighten", check to make sure the gray servo cable is not plugged into Master Module upside down. Tips on connector should be facing up towards label on module.

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