

SERVO MOTOR PHASE TEST V9

(Also see V9 Servo Phase Test Video)

1. Turn Key ON to power the system. (Engine OFF)
2. Press Menu & Up Keys together to access the background screens. USER SETTINGS will be first on the list.
3. Press the Menu Key to move down the list to “DIAGNOSTICS” and press the Up Key to enter.
4. Servo On / Servo off will first appear.
5. Press Menu Key and SERVO PHASE TEST will appear. Press the Up Key to perform the test.
6. The screen will now show “TESTING” . If the continuity for all wires is good, it will show “PASSED” . *(If one of the wires does not have a connection, it will identify the wires and a 0 value beside the bad one. For example if the GREEN Wire shows 0, you should unplug the connector and inspect the Green Wire crimp, etc. Reconnect and test again.)*
7. Press Menu again and you will see “ROTATE SERVO” . Press Up Key and the Servo Black Knob will rotate smoothly back and forth if all is working properly.
8. Press Menu Key to return to main Wakeboard screen.

GOLD RESISTOR – In the event the Phase Test shows 0 on all wires, this likely means the Gold Resistor on the Servo Bracket is bad. Closely inspect the two Red Wires going in and out of

the Resistor to see if there are any obvious wire breaks, etc. If all looks OK, you can test the Resistor with a DC Voltmeter. With Key ON (Engine OFF) and all Servo Plugs connected, probe both side of the small two pin White connector holding the Red Wires. You should measure about 11+ volts on one wire and about 5 on the other. If you measure 11+ volts on one wire but 0 on the other then the Resistor is bad. If you measure 11_ on one wire and 11+ on the other than the Resistor is bad.