



# MG Harness Test Box

## Contents

- 1 - Test Box - TI0005
  - 1 - Tachometer
  - 1 - Speedometer
  - 1 - Fuel level gauge
  - 1 - Temperature gauge
  - 1 - NMEA Simulator
  - 3 - White Test Cables
  - 1 - Purple Power Test Cable
  - 1 - Black Ground Test Cable
- 1 - HN0763 Tach/NMEA Test Harness
- 1 - HN0764 Speedo/Gauges Test Harness
- 1 - HN406 Gauges Jumper Harness
- 1 - Power Cord



## HN0763 Test

1. Connect HN0763 Tach/NMEA Test Harness into the Duetsch connector on the box directly under the Tachometer.

*Note: If testing a harness use the harness you are testing instead of the supplied harness.*

2. Connect the three white leads to the Alligator clips attached to the Test Kit. There is no correct order for these connections. Once connected slide the alligator clip onto the test connections color coded with white.

3. Connect the purple leads to the purple wire on the harness and slide the alligator clip onto the purple colored test connection.

4. Connect the black lead to the black wire on the harness and slide the alligator clip onto the black colored test connection.

5. Connect the NMEA (grey wire) to the NMEA connector, which is located to the left of the Tachometer harness connection. Do not over tighten connection.

6. Connect the 4-pin Packard connector to left (Temperature) 2-inch gauge connection.

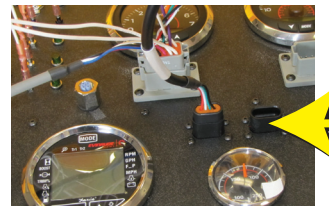
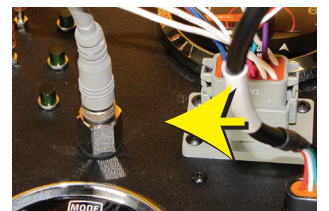
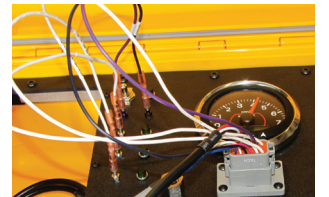
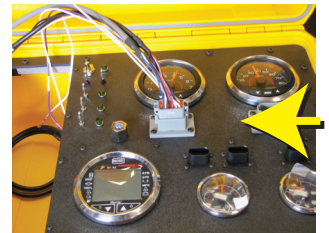
7. Connect the Power Cord to the connection in side Test Kit and apply power. Using the Power Switch turn on the test unit.

### Self Test

8. The Test Kit will cycle through a Self Test routine. The Tachometer and the Temperature gauge will move their pointers to full scale and then back to zero. When the test is complete the Tachometer and Temperature gauge will indicate mid scale and the back lighting will be lit.

### Testing

9. Check the green LEDs on the Test Kit. If there is no problem with the Harness the 4 LEDs will light up GREEN and the gauges will indicate mid scale with the back lighting on. If these indications are not present then the harness is suspect.



## HN0763 Gauge Test

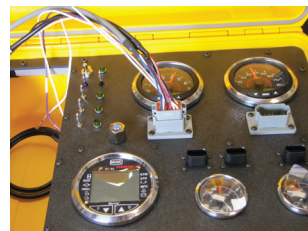
A Faria Tachometer can also be tested using this Test Kit.

1. Turn the Test Kit off and disconnect power.
2. Connect the HN0763 harness to the Test Kit using the previous instructions.
3. Disconnect the Duetsch connector from the Test Kit and connect to the Tachometer you are testing.
4. Connect the Power Cord to the connection in side Test Kit and apply power. Using the Power Switch turn on the test unit.
5. Wait the Test Kit to complete the Self Test.

### Testing

6. Check the green LEDs on the Test Kit. If there is no problem with the Harness the 4 LEDs will light up GREEN and the gauges will indicate mid scale with the back lighting on. If the gauge does not respond then the gauge is suspect.

*Note: You can also test 2-inch gauges using the Packard connector from this harness. The gauge should respond as the Test Kit.*

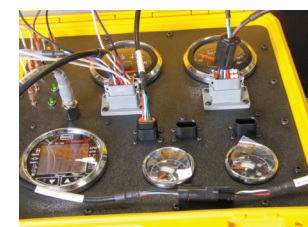
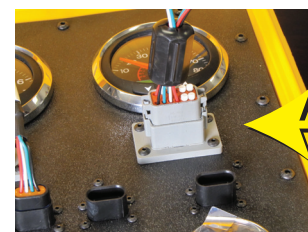


## HN0764 Test

1. Turn the Test Kit off and disconnect power.
2. Connect the HN0763 harness to the Test Kit using the previous instructions.
3. Connect the HN0764 harness to the Test Kit. Connect the Duetsch connector on harness HN0764 to the Speedometer connector.
4. Connect the Packard connector (HN0763) to the female Packard connector (HN0764).
5. Connect the Packard connector (HN0764) to any of the 2-inch gauges.
6. Connect the Power Cord to the connection in side Test Kit and apply power. Using the Power Switch turn on the test unit.
7. Wait the Test Kit to complete the Self Test.

### Testing

8. Check the green LEDs on the Test Kit. If there is no problem with the Harness the 4 LEDs will light up GREEN and the gauges will indicate mid scale with the back lighting on. If the gauge does not respond then the harness is suspect.



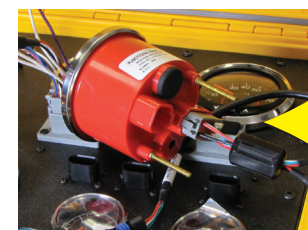
## HN0764 Gauge Test

A Faria Speedometer can also be tested using this Test Kit.

1. Turn the Test Kit off and disconnect power.
2. Connect the HN0763 harness to the Test Kit using the previous instructions.
3. Connect the HN0764 harness to the Test Kit using the previous instructions.
4. Disconnect the Duetsch connector from the Test Kit and connect to the Speedometer you are testing.
5. Connect the Power Cord to the connection in side Test Kit and apply power. Using the Power Switch turn on the test unit.
6. Wait the Test Kit to complete the Self Test.

### Testing

7. Check the green LEDs on the Test Kit. If there is no problem with the Harness the 4 LEDs will light up GREEN and the gauges will indicate mid scale with the back lighting on. If the gauge does not respond then the gauge is suspect.



## HN0406 Test

The 2-inch Jumper harness can also be tested with this Test Kit.

1. Turn the Test Kit off and disconnect power.
2. Connect the HN0763 harness and the HN0764 harness to the Test Kit using the previous instructions.
3. Connect the Packard connector to the first Temp Packard connector.  
Connect HN0406 between the second Temp Packard connector and the Fuel Packard connector.
4. Connect the Power Cord to the connection in side Test Kit and apply power. Using the Power Switch turn on the test unit.
5. Wait the Test Kit to complete the Self Test.

### Testing

6. Check the green LEDs on the Test Kit. If there is no problem with the Harness the 4 LEDs will light up GREEN and the gauges will indicate mid scale with the back lighting on. If the gauge does not respond then the harness is suspect.

