

## Correction to 1994 Technician's Handbook 90-150 Ignition System Test Charts

Some errors have been found on the ignition test charts in the 1994 Technician's Handbook 90-823871940.

Enclosed are the corrected test procedures. The corrected test procedures are adhesive backed and should be placed over the incorrect test procedures on pages 6-28, 6-30, and 7-25.

(page 6-28)

### 90 HP Outboard

<u>Test 5: Stator Resistance Test</u>		
Disconnect leads from switch box.		
<b>SR1</b>	Red meter lead to BLU stator lead.	x1k ohm
<b>SR2</b>	Black meter lead to RED stator lead.	
<b>SR3</b>	Red meter lead to RED stator lead.	
<b>SR4</b>	Black meter lead to engine ground.	x1 ohm
		3600-4200 ohms. If below specs replace stator.
		90-140 ohms. If below specs replace stator.

(page 6-30)

### 120 HP Outboard

<u>Test 5: Stator Resistance Test</u>		
Disconnect leads from switch box.		
<b>SR1</b>	Red meter lead to BLU stator lead.	x1k ohm
<b>SR2</b>	Black meter lead to BLU/WHT stator lead.	
<b>SR3</b>	Red meter lead to RED stator lead.	
<b>SR4</b>	Black meter lead to RED/WHT stator lead.	x1 ohm
		6800-7600 ohms. If below specs replace stator.
		90-140 ohms. If below specs replace stator.

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<u>Test 8:</u>
<u>No Bias Circuit</u>

**150 HP Outboard**

<b><u>Test 4: Primary Input Voltage</u></b>			
<b>VT1</b>	Red meter lead to coil (+) terminal.	400VDC on DVA Meter	150-250 volts. If all readings below specs replace switch box. If only one coil is below specs either the trigger, coil, or switch box is bad. Perform test 5 and test 6. If trigger & coil test good replace switch box.
<b>VT2</b>	Black meter lead to coil (-) terminal.		
<b><u>Test 5: Trigger Resistance Test</u></b>			
Disconnect leads from switch box.			
<b>T1</b>	Red meter lead to BRN (#1) trigger lead.	x100 ohm	1100-1400 ohms. If not within specs replace trigger.
<b>T2</b>	Black meter lead to WHT/BLK trigger lead.		
<b>Note:</b> WHT (#2), VIO (#3), BLK (#4), YEL (#5)- WHT/BLK is common.			
<b><u>Test 6: Coil Resistance Test</u></b>			
Remove leads from coil before testing.			
<b>CT1</b>	Primary Resistance: Red meter lead to to coil (+) terminal.	x1 ohm	.02-.04 ohms. If not within specs replace coil.
<b>CT2</b>	Black meter lead to coil (-) terminal.		
<b>CT3</b>	Secondary Resistance: Red meter lead to coil tower.	x100 ohm	800-1100 ohms. If not within specs replace coil.
<b>CT2</b>	Black meter lead to coil (-) terminal.		

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## 90 HP Outboard

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Disconnect leads from switch box.			
<b>SR1</b>	Red meter lead to BLU stator lead.	x1k ohm	3600-4200 ohms. If below specs replace stator.
<b>SR2</b>	Black meter lead to RED stator lead.		
<b>SR3</b>	Red meter lead to RED stator lead.	x1 ohm	90-140 ohms. If below specs replace stator.
<b>SR4</b>	Black meter lead to engine ground.		

(page 6-30)

## 120 HP Outboard

<b><u>Test 5: Stator Resistance Test</u></b>			
Disconnect leads from switch box.			
<b>SR1</b>	Red meter lead to BLU stator lead.	x1k ohm	6800-7600 ohms. If below specs replace stator.
<b>SR2</b>	Black meter lead to BLU/WHT stator lead.		
<b>SR3</b>	Red meter lead to RED stator lead.	x1 ohm	90-140 ohms. If below specs replace stator.
<b>SR4</b>	Black meter lead to RED/WHT stator lead.		

(page 6-30)

<b><u>Test 8:</u></b>
<b>No Bias Circuit</b>

**150 HP Outboard**

<b><u>Test 4: Primary Input Voltage</u></b>			
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<b>VT2</b>	Black meter lead to coil (-) terminal.		
<b><u>Test 5: Trigger Resistance Test</u></b>			
Disconnect leads from switch box.			
<b>T1</b>	Red meter lead to BRN (#1) trigger lead.	x100 ohm	1100-1400 ohms. If not within specs replace trigger.
<b>T2</b>	Black meter lead to WHT/BLK trigger lead.		
<b>Note:</b> WHT (#2), VIO (#3), BLK (#4), YEL (#5)- WHT/BLK is common.			
<b><u>Test 6: Coil Resistance Test</u></b>			
Remove leads from coil before testing.			
<b>CT1</b>	Primary Resistance: Red meter lead to to coil (+) terminal.	x1 ohm	.02-.04 ohms. If not within specs replace coil.
<b>CT2</b>	Black meter lead to coil (-) terminal.		
<b>CT3</b>	Secondary Resistance: Red meter lead to coil tower.	x100 ohm	800-1100 ohms. If not within specs replace coil.
<b>CT2</b>	Black meter lead to coil (-) terminal.		