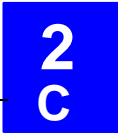




# ELECTRICAL

## Section 2C - Timing, Synchronizing & Adjusting

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# Specifications

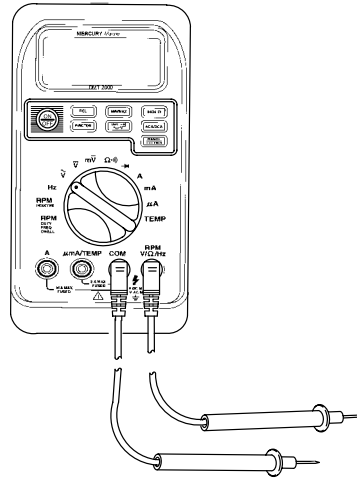
<b>IGNITION SYSTEM</b> Readings taken @ 68°F (20°C).	<b>Type</b>	Capacitor Discharge Ignition
	<b>Spark Plug</b>	
	<b>Type</b>	NGK DPR6EA-9
	<b>Gap</b>	0.035 in. (1.0 mm)
	<b>Hex Size</b>	18 mm
	<b>Hole Size</b>	12 mm
	<b>Torque</b>	150 lb-in. (17 Nm)
	<b>Firing Order</b>	1-2
	<b>Ignition Timing:</b>	
	<b>Below 800 RPM</b>	
	ECM (p/n 855311--)	10° B.T.D.C
	ECM (p/n 856058--/856190--)	5° B.T.D.C
	ECM (p/n 856190--/856482--)	5° B.T.D.C
	ECM (p/n 856177--/856178--)	5° B.T.D.C
	ECM (p/n 878433--)	5° B.T.D.C
<b>Fully Advanced (6000 RPM)</b>	30° B.T.D.C	
<b>Charge Coil Resistance</b>	660 - 710 Ω (GRN/WHT - WHT/GRN)	
<b>Crank Position Sensor Resistance</b>	300 - 350 Ω (RED - WHT)	
<b>Ignition Coil Resistance:</b>		
<b>Primary</b>	0.08 - 0.7 Ω	
<b>Secondary (W/o Boots)</b>	3.5 - 4.7 kΩ	
<b>ECM Engine Speed Limiter</b>		
<b>Soft Reduction (Retards Timing)</b>	6200 RPM	
<b>Spark Cut-Out Reduction (Percent-ages of ignition spark are Cut-Out)</b>	6250 RPM	
<b>ECM Overheat/Low Oil Pressure</b>		
<b>Speed Control</b>	Approximately 2000 RPM	
<b>Oil Pressure Switch</b>	Below 2.5 psi (17 kPa) Continuity	

**NOTE:** The 25 four stroke ECM unit electronically controls the ignition timing, therefore making the ignition timing non adjustable. When initially running the outboard, use a timing light to verify that the ignition timing falls within the timing windows. If the ignition timing does not stay within the timing windows, replace the ignition ECM unit and retest.

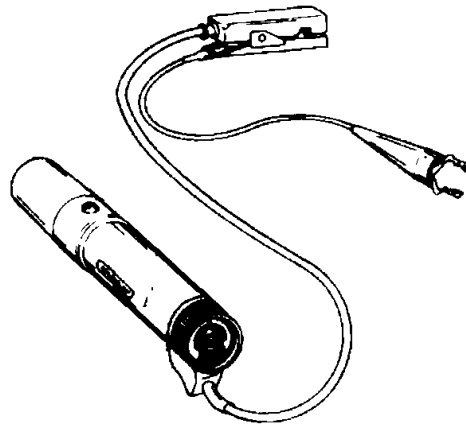


## Special Tools

1. DMT 2000 Digital Tachometer Multi-meter P/N 91-854009A1.



2. Timing Light P/N 91-99379.

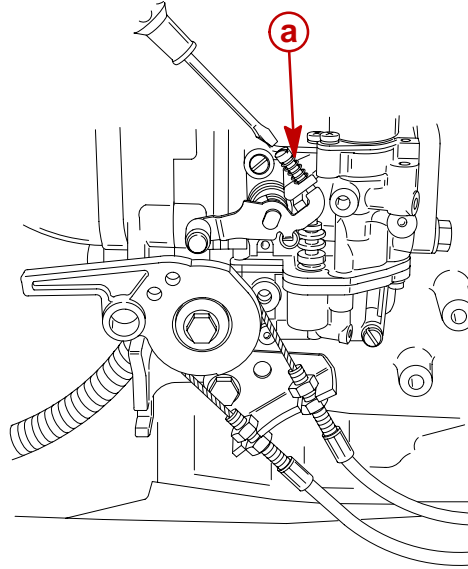




## Idle Speed Adjustment

**NOTE:** The engine should be completely warmed up for the adjustment. Correct adjustments can not be obtained in a cold condition.

1. With the outboard in the water, start engine and allow to warm up. Shift the outboard to neutral.
2. With the outboard in neutral, turn the idle speed adjustment screw to obtain the specified idle RPM.



**a** - Idle Adjustment Screw