

Merc-O-Tronic with Capacitor Discharge Adapter Model 55-980		
Operating Amperage	Primary Resistance	Secondary Continuity
Min. - Max.	Min. - Max.	Min. - Max.
1.4		22 - 26

Graham Tester Model 51

Secondary Continuity	3000 ohms maximum
Primary Continuity	1.2 ohms maximum
Coil Index	60
Coil Test (Normal)	9 minimum
Coil Test (Amplified)	80 minimum
Gap Index	50 maximum

CLEARANCE CHART

Power head	
Piston and wrist pin - loose end	.0006 max. - .0001 min.
Piston ring gap	.017 max. - .007 min.
Lower piston ring groove clearance	.004 max. - .002 min.
Cylinder and piston skirt	.0045 max. - .0030 min.
Crankshaft bearings	
Upper	Roller type
Center	Roller type
Lower	Ball type
Crankshaft end play	.0336 max. - .0006 min.
Connecting rod bearings	
Piston end	Roller type
Crankshaft end	Roller type
Lower unit	
Gearcase head and propeller shaft	Roller type
Driveshaft to gearcase - upper	Roller type
Pinion to gearcase	Roller type
Propeller shaft to oil pump	Roller type
Front gear bushing to propeller shaft	.002 max. - .001 min.
Propeller on shaft	spline

TORQUE CHART

Power head	
Flywheel nut	70-85 ft.-lbs.
Connecting rod screws	348-372 in.-lbs. (29-31 ft.-lbs.)
**Cylinder head screws	168-192 in.-lbs. (14-16 ft.-lbs.)
Crankcase to cylinder screws and nuts	
Upper	144-168 in.-lbs.
Center	162-168 in.-lbs.
Lower	144-168 in.-lbs.
Spark plugs	17-1/2-20-1/2 ft.-lbs.
Lower journal bearing retainer plate screws	96-120 in.-lbs.
Distributor cap and stator screws	48-60 in.-lbs.
Crankcase head screws	
Upper	120-144 in.-lbs. (10-12 ft.-lbs.)
Lower	96-120 in.-lbs. (8-10 ft.-lbs.)
Starter thru-bolts	110-122 in.-lbs.
Starter drive assembly locknut	25-30 ft.-lbs.
Driveshaft pinion nut	60-65 ft.-lbs.

**Retorque to 18-20 ft.-lbs. or 216-240 in.-lbs. after motor test.

CAUTION

When tightening two or more screws on the same part, DO NOT tighten screws completely, one at a time. To avoid distortion of the part, first tighten all screws together to one-third of specified torque, then to two-thirds of specified torque, then torque down completely.