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COMMON SPECIFICATIONS FOR

1. Spark plug gap: .030 All Models

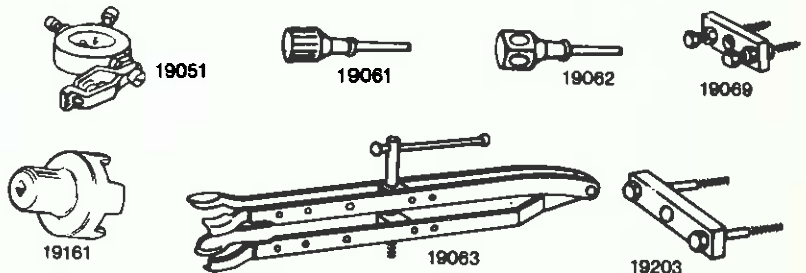
2. Condenser capacity: .18 to .24 MFD. All Models

3. Contact point gap: .020 All Models

	BASIC MODEL SERIES	IDLE SPEED	ARMATURE		VALVE CLEARANCE		VALVE GUIDE REJECT GAGE	TORQUE SPECIFICATIONS		
			TWO LEG AIR GAP	THREE LEG AIR GAP	INTAKE	EXHAUST		FLYWHEEL NUT FT. LBS.	CYLINDER HEAD IN. LBS.	CONN. ROD IN. LBS.
ALUMINUM	6B, 60000	1750	.006 .010	.012 .016	.005 .007	.009 .011	19122	55	140	100
	8B, 80000, 81000, 82000	1750	.006 .010	.012 .016	.005 .007	.009 .011	19122	55	140	100
	92000, 94000	1750	.006 .010		.005 .007	.009 .011	19122	55	140	100
	100000	1750	.010 .014	.012 .016	.005 .007	.009 .011	19122	60	140	100
	110000	1750	.006 .010		.005 .007	.009 .011	19122	55	140	100
	130000	1750	.010 .014		.005 .007	.009 .011	19122	60	140	100
	140000	1750	.010 .014	.016 .019	.005 .007	.009 .011	19151	65	165	165
	170000, 171700*	1750 **	.010 .014		.005 .007	.009 .011	19151	65	165	165
	190000, 191700*	1750 **	.010 .014		.005 .007	.009 .011	19151	65	165	165
	220000, 250000	1750 **	.010 .014		.005 .007	.009 .011	19151	65	165	190
CAST IRON	5, 6, N	1750		.012 .016	.007 .009	.014 .016	19122	55	140	100
	8	1750		.012 .016	.007 .009	.014 .016	19122	55	140	100
	9	1200			.007 .009	.014 .016	19151	60	140	140
	14	1200			.007 .009	.014 .016	19151	65	165	190
	19, 190000, 200000*	1200 **	.010 .014	.022 .026	.007 .009	.014 .016	19151	115	190	190
	23, 230000	1200 **	.010 .014	.022 .026	.007 .009	.017 .019	19151	145	190	190
	243000	1200 **	.010 .014		.007 .009	.017 .019	19151	145	190	190
	300000	1200 **	.010 .014		.007 .009	.017 .019	19151	145	190	190
	320000	1200 **	.010 .014		.007 .009	.017 .019	19151	145	190	190

COMMONLY USED TOOLS FOR SERVICING

- 19051 Spark Tester, all models
- 19061 Carburetor jet screwdriver, all models
- 19062 Carburetor jet screwdriver, all models
- 19063 Valve spring compressor, all models
- † 19161 Starter clutch wrench, use with ½" drive torque wrench
- 19203 Flywheel Puller, 170000 thru 320000 Aluminum Models & Cast Iron Models



ALL POPULAR ENGINE MODELS

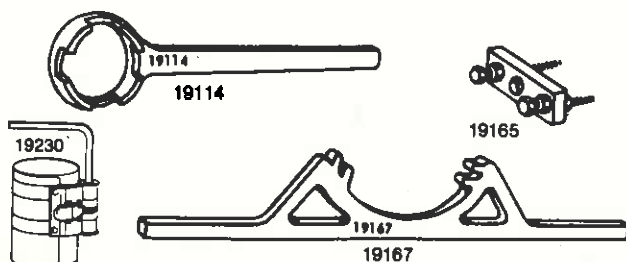
4. Top governed speed: See Briggs & Stratton

Service Bulletin No. 467 or Engine Replacement Data

5. Crankshaft End Play: .002-.008 All Models

CRANKSHAFT REJECT SIZE			MAIN BEARING REJECT GAGE	CYLINDER BORE STD. ▲	INITIAL CARBURETOR ADJUSTMENT ALL MODELS		
MAG. JOURNAL	CRANKPIN	P.T.O. JOURNAL			CARBURETOR TYPE	TURNS OPEN FROM SEAT NEEDLE VALVE	IDLE VALVE
.8726	.8697	.8726	19166	2.375* 2.374	Pulsa-Jet Vacu-Jet	1½	
.8726	.9963	.8726	19166	2.375 2.374	Two Piece Flo-Jet	1½	1
.8726	.9963	.8726	19166	2.5625 2.5615	One Piece Flo-Jet	2½	1½
.8726	.9963	.9976	19166 Mag. 19178 PTO	2.500 2.499	One Piece Flo-Jet (6, 7, 8, 10 & 11 H.P. Vertical Crankshaft)	1½	1¼
.8726	.9963	.8726	19166	2.7812 2.7802	One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)	1½	1
.8726	.9963	.9976	19166 Mag. 19178 PTO	2.5625 2.5615			
.9975	1.090	1.1790	19178	2.750 2.749	CYLINDER RESIZING ▲ Resize if .003 or more wear or .0015 out of round on C.I. cylinder engines, .0025 out of round on aluminum alloy engines. Resize to .010, .020 or .030 over Standard.		
.9975 1.1790*	1.090	1.1790	19178	3.000 2.999			
.9975 1.1790*	1.122	1.1790	19178	3.000 2.999	*Model 6B series and early Models 60000 and 61000 series engines have cylinder bore of 2.3125 - 2.3115.		
1.3760	1.2470	1.3760		3.4375 3.4365	RING GAP REJECT SIZES		
.8726	.7433	.8726	19166	2.000 1.999			
.8726	.7433	.8726	19166	2.250 2.249	MODEL	COMP. RINGS	OIL RING
.9832	.8726	.9832	19117	2.250 2.249	Alum. Cylinder Models	.035"	.045"
1.1790	.9964	1.1790	19117	2.625 2.624	C.I. Cylinder Models	.030"	.035"
1.1800	.9964 1.1219*	1.1790	19117	3.000 2.999	**GOVERNED IDLE For Adjustment Procedures, see Service & Repair Instructions 270962, Section 5, for Single Cylinder Models and Repair Instructions MS-7000 or 271172, Section 5, for Twin Cylinder Models.		
1.3769	1.1844	1.3759	19117	3.000 2.999			
Ball	1.3094	Ball	Ball	3.0625 3.0615	■ With Valve Springs Installed.		
Ball	1.3094	Ball	Ball	3.4375 3.4365	● Synchro-Balance.		
Ball	1.3094	Ball	Ball	3.5625 3.5615			

BRIGGS & STRATTON ENGINES



- Flywheel puller, all models thru 130000 19069
- Piston ring compressor, all models 19230
- Starter clutch wrench, all rewind starter models 19114
- Flywheel Puller, 140000, 170000, 190000 & 250000 Models 19165
- Flywheel holder, all models 6B thru 130000 19167

See Section 13 for Complete List of Tools

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