

# HANDY REPAIR CHECK CHART



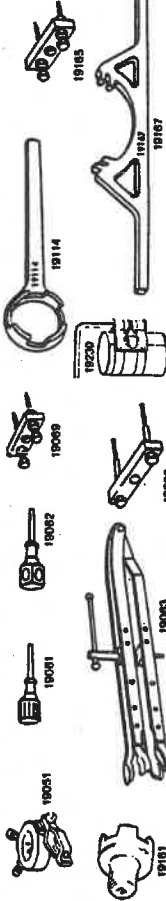
## COMMON SPECIFICATIONS FOR ALL POPULAR ENGINE MODELS

1. Spark plug gap: .030 All Models
2. Condenser capacity: .18 to .24 MFD. All Models
3. Contact point gap: .020 All Models
4. Top governed speed: See Briggs & Stratton Service Bulletin No. 467 or Engine Replacement Data
5. Crankshaft End Play: .002-.008 All Models

BASIC MODEL SERIES	IDLE SPEED	ARMATURE TWO LEO AIR GAP	VALVE CLEARANCE INTAKE EXHAUST	VALVE GUIDE PROJECT GAGE	TORQUE SPECIFICATIONS		CRANKSHAFT REJECT SIZE		MAIN BEARING REJECT GAGE	CYLINDER BORE STD. A	INITIAL CARBURETOR ADJUSTMENT ALL MODELS TURNS OPEN FROM SEAT NEEDLE VALVE IDLE VALVE
					FLYWHEEL CYLINDER HEAD IN. LBS.	CONN. ROD IN. LBS.	MAG. JOURNAL	P.T.O. JOURNAL			
6B, 60000	1750	.008 .010	.005 .007	19122	55	140	100	.8697	.8726	19166	1 1/2 Two Piece Flo-Jet
6B, 80000, 82000	1750	.006 .010	.005 .007	19122	55	140	100	.9683	.8726	19166	1 1/2 Two Piece Flo-Jet (Single Cylinder)
92000, 94000	1750	.006 .010	.005 .007	19122	55	140	100	.9683	.8726	19166	1 1/2 Two Piece Flo-Jet (Twin Cylinder)
100000	1750	.010 .014	.005 .007	19122	60	140	100	.9683	.9976	19166 Meg 19178 PTO	1 1/2 One Piece Flo-Jet
110000	1750	.010 .014	.005 .007	19122	55	140	100	.9683	.8726	19166	1 1/2 One Piece Flo-Jet (6, 7, 8, 10 & 11 H.P. Vertical Crankshaft)
130000	1750	.010 .014	.005 .007	19122	60	140	100	.9683	.9976	19166 Meg 19178 PTO	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
140000	1750	.010 .014	.005 .007	19151	65	165	165	.9975	1.1790	19178	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
170000, 171700*	1750	.010 .014	.005 .007	19151	65	165	165	.9975 1.1790*	1.1790	19178	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
190000, 191700*	1750	.010 .014	.005 .007	19151	65	165	165	.9975 1.1790*	1.1790	19178	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
220000, 250000	1750	.010 .014	.005 .007	19151	65	165	190	1.3760	1.3760		1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
401400, 401700 421400, 421700	1400 1750	.010 .014	.004 .006	19151	145	160	190	1.376	1.376		1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
5, 6, N	1750	.012 .016	.009 .016	19122	55	140	100	.8726	.8726	19166	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
B	1750	.012 .016	.007 .009	19122	55	140	100	.8726	.8726	19166	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
9	1200	.010 .014	.007 .009	19151	60	140	140	.9832	.9832	19117	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
14	1200	.010 .014	.007 .009	19151	65	165	190	1.1790	1.1790	19117	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
18, 190000, 200000*	1200	.010 .014	.007 .009	19151	115	190	190	.9864 1.1219*	1.1790	19117	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
23, 230000	1200	.010 .014	.007 .009	19151	145	190	190	1.1844	1.3759	19117	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
243000	1200	.010 .014	.007 .009	19151	145	190	190	1.3094	Ball	Ball	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
300000	1200	.010 .014	.007 .009	19151	145	190	130	1.3094	Ball	Ball	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)
320000	1200	.010 .014	.007 .009	19151	145	190	160	1.3094	Ball	Ball	1 1/2 One Piece Flo-Jet (11 H.P. Horizontal Crankshaft)

### COMMONLY USED TOOLS FOR SERVICING BRIGGS & STRATTON ENGINES

- 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 1/2" drive torque wrench
- 19203 Flywheel Puller, 170000 thru 421000 Aluminum Models & Cast Iron Models



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

Refer to Briggs & Stratton's Repair Instructions (MS-4750, 270962, MS-7000 or 271172), for a complete list of tools.

courtesy of Briggs & Stratton Corporation.