

REPAIR SPECIFICATIONS - WISCONSIN ENGINES

ENGINE MODEL

SPECIFICATIONS		S-7D	S-8D	TR-10D	TRA-10D	TRA-12D	S-12D	S-14D
Standard		3.0005	3.1255	3.1255	3.1255	3.5005	3.5005	3.7505
Cyl. Bore		2.9995	3.1245	3.1245	3.1245	3.4995	3.4995	3.7495
Piston Skirt								
To Bore		.004	.004	.004	.004	.0025	.0025	.0025
Clearance		.0045	.0045	.0045	.0045	.003	.003	.004
Crank Pin		1.3760	1.3760	1.3760	1.3760	1.3760	1.4990	1.4990
Diameter		1.3755	1.3755	1.3755	1.3755	1.3755	1.4984	1.4984
Con. Rod To								
Crank Pin								
Clearance		.0007	.0007	.0007	.0007	.0007	.0005	.0005
		.0015	.0015	.0015	.0015	.0015	*.0015	*.0015
Valve Tappet Clearance (Cold)	IN.	.006	.006	.006	.006	.006	.007	.007
	EX.	.012	.012	.012	.012	.015	.016	.016
Bolt Torque Specs. - Max. Ft. Lbs.	Con. Rod	22	22	22	22	22	22	22
	Cyl Block	--	--	--	--	--	50	50
	Cyl. Head	18	18	18	18	18	32	32
	Gear Cover	8	8	8	8	8	18	18
	Stator Plate	8	8	8	8	22	18	18
	Spark Plug	30	30	30	30	30	30	30
** Oil Capacity		1 Qt.	1 Qt.	1 Qt.	1 Qt.	1 Qt.	2 Qts.	2 Qts.
Running Spark Advance @ 2000 RPM Or Over		15°	18°	18°	18°	20°***	18°	20°****
Idle R.P.M.		1000 1100	1000 1100	1000 1100	1000 1100	1000 1100	1000 1100	1000 1100
Operating R.P.M. @ No Load		3700 3750	3700 3750	3700 3750	3700 3750	3700 3750	3700 3750	3700 3750

Crankshaft End Play - .002 to .004 (Cold)

Spark Plug Gap - .030

Breaker Point Gap - .015 (S-7D, S-8D, TR-10D, TRA-10D, S-12D)

*Shell Bearing to crankpin

** MS Grade

* 2500 R.P.M. or over

***2500 R.P.M. or over with mark @ 1/8" above pointer

(REFER TO WISCONSIN INSTRUCTION MANUALS)