

Small Engine Measurement Chart

Engine Make: _____

Model Number: _____

Engine Type & Code: _____

Engine Cycle: _____

Horse Power: _____

***Note:** Standard, Reject, Maximum, and Minimum measurements will come from the, Briggs & Stratton Service and Repair Instructions, For Single Cylinder 4-Cycle Engines, manual, or from your lab instructor. Many measurements will come from the front of the manual, some will come from the chapters.

Cylinder Measurements

Cylinder Dimensions	Actual Size	Standard Size	Actual Wear	Reboring Required? Y/N
Top				
Center				
Bottom				
		<i>Rotate 90°</i>		
Top				
Center				
Bottom				

Piston Ring Gap Measurements

Rings	Actual Gap	Reject Size	Recommendation Good, OK, or Replace
Compression Top			
Compression Center			
Oil			

Crankshaft Measurements

Crankshaft Section	Actual Size	Reject Size	Recommendation Good, OK, or, Replace
Mag. Journal			
Crank Pin			
PTO Journal			
	Rotate 90°		
Mag. Journal			
Crank Pin			
PTO Journal			
<i>Platigage</i> Connecting Rod Clearance		*	

*Note: To obtain plastigage reject sizes you must subtract the crankpin reject size from the connecting rod's crank bearing reject size. These measurements may be found in your repair manual.

Camshaft Measurements

Cam Part	Actual	Reject Size	Recommendation Adjust/OK
Lobe Next to Cam Gear*			
Lobe Away from Cam Gear*			
Cam Journal Next to Gear			
Cam Journal Away from Gear			

*Note: Plastic lobes are not measured. Reference the repair manual chapter over camshafts for service specifications.

Valve Measurements

Valve Parts	Minimum	Maximum	Actual	Recommend Adjust/OK
Intake Tappet				
Exhaust Tappet				

Note: Tappet Clearance will be measured during the next lab after the valve assembly is completed.



Notes:

