McCULLOCH

SERVICE BULLETIN #1064

SUBJECT Correct Torque Values

MODEL All

DATE 7/22/59

Engine performance and life are affected by improperly tightened bolts and screws. When bolts and screws are torqued too tight or too loose, they can cause air leaks, blown cylinder head gaskets, warped and out-of-round parts and damage to the filters.

For this reason, a careful study was made to determine correct torque values for all fasteners used on McCulloch chain saw engines. The correct torque values are shown in the list below.

TABLE OF TORQUE VALUES (inch/lbs)

Location	MAC D30, D36, 1-40, 1-50	S44A, S55A, 1-70, 1-80
Air box to crankcase screws	50-55	
Bar mounting bolt		350-400
Breaker box cover screws		35-40
Breaker points screws	30-35	35-40
Carburetor adapter plate screws		35-40
Carburetor to adapter screws	105-110	105-110
Chain oiler reservoir screws		90-100
Clutch rotor	300-350	
Clutch rotor nut		240-300
Condenser screw	30-35	30-35
Connecting rod cap screws	65-70	65-70
Crankcase bottom screws		90-100
Crankcase end cover screws	60-65	60-65
Cylinder head screws	55-60	55-60
Fan housing screws	50-55	50-55
Flywheel nut	400-450	400-450
Frame screws (1/4-20)	90-100	
Frame screws (1/2-20)		90-100
Fuel pump cover screws	25-30	25-30
Fuel tank screws (top to bottom)		35-40
Fuel tank screws (cover to tank)	35-40	
Fuel tank to crankcase screws	90-100	50-55
Handle brace to cylinder screws	90-100	
Handle halves screw	50-55	
*Idler assembly screws		100-110

COPYRIGHT— 1959 McCULLOCH CORPORATION

LITHO IN U.S.A.

TABLE OF TORQUE VALUES (inch/lbs) (cont)

Location	MAC D30, D36, 1-40, 1-50	S44A, S55A, 1-70, 1-80
Lamination assembly screws	35-40	35-40
Manual chain oiler housing screws	35-40	
Muffler screws	60-65	60-65
Reed valve guard screws	30-35	30-35
Shroud screws (1/4-20)		90-100
Spark plug	216-240	216-240
*Spike screws		90-100
Starter cover screws	35-40	50-55
Starter to fan housing screws	50-55	
Transmission bolts		100-110
Transmission cover screws		45-50
Throttle handle to tank screws		40-45

*Used only on models S55A and 1-80.

Note: To change inch-pounds to foot-pounds, divide the inch-pound figure by 12.

Example: 240 inch-pounds divided by 12 equals 20 foot-pounds.