TORQUE SPECIFICATIONS

	56G	56B and 56H	56J
BRAKES			
Backing plate bolt nut			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	35 - 40 ft-lbs (4,8 - 5,5 kg-m)	35 - 40 ft-lb (4,8 - 5,5 kg-m)	35 - 40 ft-lb (4,8 - 5,5 kg-m)
CLUTCH			
Pressure plate cover-to-flywheel screw			
—size and thread	5/16" - 18	3/8" - 16	3/8" - 16
—torque required	13 - 15 ft-lb (1,8 - 2,1 kg-m)	28 - 32 ft-lb (3,9 - 4,4 kg-m)	25 - 28 ft-lb (3,5 - 3,9 kg-m)
Housing-to-cylinder block screw			
—size and thread	3/8" - 16	3/8" - 16	3/8" - 16
—torque required	28 - 32 ft-lb (3,9 - 4,4 kg-m)	28 - 32 ft-lb (3,9 - 4,4 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Housing-to-engine plate bolt nut			
—size and thread	5/16" - 24		
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)		
Housing-to-engine plate dowel bolt nut			
—size and thread	3/8" - 24		
—torque required	28 - 32 ft-lb (3,9 - 4,4 kg-m)		
COOLING			
Fan-to-water pump hub screw			
—size and thread	5/16" - 18	5/16" - 18	1/4" - 28
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	90 - 100 in-lb (1,04 - 1,13 kg-m)
Water outlet-to-water manifold screws			
—size and thread	5/16" - 18	5/16" - 18	3/8" - 16
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Water pump-to-manifold screw			
—size and thread		5/16" - 18	5/16" - 18
—torque required		13 - 17 ft-lb (1,8 - 2,3 kg-m)	15 - 18 ft-lb (2,1 - 2,5 kg-m)
Water pump-to-block screws			
—size and thread	5/16" - 18		
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)		
ENGINE			
Camshaft gear screw			
—size and thread	3/8" - 24	3/8" - 24	
—torque required	20 - 22 ft-lb (2,8 - 3,0 kg-m)	20 - 22 ft-lb (2,8 - 3,0 kg-m)	
Camshaft thrust plate fastening screws			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	15 - 18 ft-lb (2,1 - 2,5 kg-m)
Connecting rod cap bolt nut			
—size and thread	11/32" - 24	3/8" - 24	3/8" - 24
—torque required	28 - 32 ft-lb (3,9 - 4,4 kg-m)	52 - 54 ft-lb (7,2 - 7,5 kg-m)	40 - 45 ft-lb (5,5 - 6,9 kg-m)
Crankshaft main bearing cap screw			
—size and thread	1/2" - 13	1/2" - 13	1/2" - 13
—torque required	85 - 95 ft-lb (11,7 - 13,1 kg-m)	85 - 95 ft-lb (11,7 - 13,1 kg-m)	90 - 95 ft-lb (12,4 - 13,1 kg-m)
Crankshaft vibration damper screw			
—size and thread	11/16" - 16	11/16" - 16	3/4" - 16
—torque required	130 - 140 ft-lb (18,0 - 19,4 kg-m)	130 - 140 ft-lb (18,0 - 19,4 kg-m)	130 - 150 ft-lb (18,0 - 20,7 kg-m)
Cylinder head screw			
—size and thread	7/16" - 14	7/16" - 14	7/16" - 14
—torque required	46 - 50 ft-lb (6,4 - 6,9 kg-m)	55 - 65 ft-lb (7,6 - 9,0 kg-m)	55 - 60 ft-lb (7,6 - 8,3 kg-m)
Engine front plate screw			
—size and thread	5/16" - 18		
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)		
Engine rear plate screw			
—size and thread	3/8" - 16		
—torque required	28 - 32 ft-lb (3,9 - 4,4 kg-m)		
Exhaust pipe-to-exhaust manifold stud nut or screw			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	26 - 30 ft-lb (3,6 - 4,1 kg-m)	26 - 30 ft-lb (3,6 - 4,1 kg-m)	18 - 20 ft-lb (2,5 - 2,8 kg-m)

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	56G	56B and 56H	56J
Flywheel-to-crankshaft bolt nut			
—size and thread	3/8" - 24	3/8" - 24	7/16" - 20
—torque required	33 - 35 ft-lb (4,6 - 4,8 kg-m)	33 - 35 ft-lb (4,6 - 4,8 kg-m)	55 - 60 ft-lb (7,6 - 8,3 kg-m)
Fuel pump eccentric retainer bolt			
—size and thread			3/8" - 16
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Inlet manifold-to-block screw			
—size and thread		3/8" - 16	3/8" - 16
—torque required		26 - 30 ft-lb (3,6 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Exhaust manifold-to-block stud nut			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 16
—torque required	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Oil filler pipe screws			
—size and thread		5/16" - 18	
—torque required		13 - 17 ft-lb (1,8 - 2,3 kg-m)	
Oil filter cover screw			
—size and thread	7/16" - 20	7/16" - 20	7/16" - 20
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)
Oil pan drain plug			
—size and thread	3/4" - 16	3/4" - 16	5/8" - 18
—torque required	22 - 25 ft-lb (3,1 - 3,5 kg-m)	22 - 25 ft-lb (3,1 - 3,5 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Oil pan screw			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	15 - 18 ft-lb (2,1 - 2,5 kg-m)
Oil pump retaining screw or nut			
—size and thread	5/16" - 18	5/16" - 24	
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	
Piston pin lock screw nut			
—size and thread	3/8" - 24	3/8" - 24	
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	
Rocker arm cover nuts[1]			
—size and thread		5/16" - 20	5/16" - 18
—torque required		8 - 10 in-lb (0,09 - 0,12 kg-m)	25 - 30 in-lb (0,28 - 0,34 kg-m)
Rocker arm support bracket screw			
—size and thread		5/16" - 18	
—torque required		13 - 17 ft-lb (1,8 - 2,3 kg-m)	
Spark plug			
—size and thread	14 mm.	14 mm.	14 mm.
—torque required	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)	26 - 30 ft-lb (3,6 - 4,1 kg-m)
Timing gear cover screw or nut			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)
Valve lifter cover screw[1]			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	3 - 3½ ft-lb (0,42 - 0,49 kg-m)	2 - 2½ ft-lb (0,28 - 0,35 kg-m)	12 - 15 ft-lb (1,7 - 2,1 kg-m)
Valve tappet adjusting screw[2]			
—size and thread	3/8" - 24	3/8" 24	
—torque required	2 ft-lb MIN. (0,28 kg-m)	2½ ft-lb MIN. (0,35 kg-m)	
FRONT SUSPENSION AND STEERING			
Control arm threaded bushings			
—size and thread	15/16" - 11	15/16" - 11	15/16" - 11
—torque required	170 ft-lb MIN. (23,5 kg-m)	170 ft-lb MIN. (23,5 kg-m)	170 ft-lb MIN. (23,5 kg-m)
Control arm rubber bushing cap screws			
—size and thread	7/16" - 20	7/16" - 20	7/16" - 20
—torque required	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)
Power steering gear to frame bracket bolt nut			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Power steering unit to gear cap screws			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)

[1] To obtain proper seal, tighten these screws to required torque three successive times.
[2] These are self-locking screws and the specification is the minimum required drag. With less drag, the screw is considered to have doubtful locking.

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	56G	56B and 56H	56J
Power steering unit housing cap screws			
—size and thread	5/16" - 18	5/16" - 18	5/16" - 18
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)	13 - 17 ft-lb (1,8 - 2,3 kg-m)
Power steering unit flange bolt to steering post flange bolt nut			
—size and thread	1/4" - 28	1/4" - 28	1/4" - 28
—torque required	12 - 15 ft-lb (1,7 - 2,1 kg-m)	12 - 15 ft-lb (1,7 - 2,1 kg-m)	12 - 15 ft-lb (1,7 - 2,1 kg-m)
Steering bell crank clamping bolt			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb 8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)
Steering bell crank bracket bolt nut			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)
Steering gear arm nut			
—size and thread	3/4" - 16	3/4" - 16	3/4" - 16
—torque required	90 - 150 ft-lb (12,4 - 20,7 kg-m)	90 - 150 ft-lb (12,4 - 20,7 kg-m)	90 - 150 ft-lb (12,4 - 20,7 kg-m)
Steering gear mounting bolt nut			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	35-40 ft-lb (4,8 - 5,5 kg-m)	35 - 40 ft-lb (4,8 - 5,5 kg-m)	35 - 40 ft-lb (4,8 - 5,5 kg-m)
Steering knuckle arm nut			
—size and thread	5/8" - 18	5/8" - 18	5/8" - 18
—torque required	80 - 85 ft-lb (11,0 - 11,7 kg-m)	80 - 85 ft-lb (11,0 - 11,7 kg-m)	80 - 85 ft-lb (11,0 - 11,7 kg-m)
Steering reach rod ball stud nut			
—size and thread	1/2" - 20	1/2" - 20	1/2" - 20
—torque required	50 - 55 ft-lb (6,9 - 7,6 kg-m)	50 - 55 ft-lb (6,9 - 7,6 kg-m)	50 - 55 ft-lb (6,9 - 7,6 kg-m)
Steering wheel nut			
—size and thread	13/16" - 20	13/16" - 20	13/16" - 20
—torque required	23 - 27 ft-lb (3,2 - 3,7 kg-m)	23 - 27 ft-lb (3,2 - 3,7 kg-m)	23 - 27 ft-lb (3,2 - 3,7 kg-m)
Tie rod ball stud nut			
—size and thread	1/2" - 20	1/2" - 20	1/2" - 20
—torque required	50 - 55 ft-lb (6,9 - 7,6 kg-m)	50 - 55 ft-lb (6,9 - 7,6 kg-m)	50 - 55 ft-lb (6,9 - 7,6 kg-m)
Upper control arm inner shaft to frame bolt nut			
—size and thread	1/2" - 20	1/2" - 20	1/2" - 20
—torque required	75 - 80 ft-lb (10,4 - 11,0 kg-m)	75 - 80 ft-lb (10,4 - 11,0 kg-m)	75 - 80 ft-lb (10,4 - 11,0 kg-m)
Upper control arm inner shaft bushing cap screw			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	32 - 37 ft-lb (4,4 - 5,1 kg-m)	32 - 37 ft-lb (4,4 - 5,1 kg-m)	32 - 37 ft-lb (4,4 - 5,1 kg-m)
Lower control arm inner shaft to frame bolt nut			
—size and thread	7/16" - 20	7/16" - 20	7/16" - 20
—torque required	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)
Lower control arm inner shaft bushing cap screw			
—size and thread	1/2" - 20	1/2" - 20	1/2" - 20
—torque required	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)	60 - 65 ft-lb (8,3 - 9,0 kg-m)
GASOLINE SYSTEM			
Carburetor mounting stud nut			
—size and thread	3/8" - 24	3/8" - 24	5/16" - 24
—torque required	26 - 30 ft-lb (3,6 - 4,1 kg-m)	26 - 30 ft-lb (3,6 - 4,1 kg-m)	15 - 18 ft-lb (2,1 - 2,5 kg-m)
Fuel pump mounting screw			
—size and thread	5/16" - 18	5/16" - 18	3/8" - 16
—torque required	12 - 15 ft-lb (1,7 - 2,1 kg-m)	12 - 15 ft-lb (1,7 - 2,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
PROPELLER SHAFTS AND UNIVERSAL JOINTS			
Propeller shaft support screw			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)
Rear axle flange nut			
—size and thread	3/4" - 16	3/4" - 16	3/4" - 16
—torque required	140 - 180 ft-lb (19,3 - 24,8 kg-m)	140 - 180 ft-lb (19,3 - 24,8 kg-m)	140 - 180 ft-lb (19,3 - 24,8 kg-m)
Transmission flange nut			
—size and thread	3/4" - 16	3/4" - 16	3/4" - 16
—torque required	140 - 180 ft-lb (19,3 - 24,8 kg-m)	140 - 180 ft-lb (19,3 - 24,8 kg-m)	140 - 180 ft-lb (19,3 - 24,8 kg-m)
Universal joint flange U-bolt nuts			
—size and thread	5/16" - 24	5/16" - 24	5/16" - 24
—torque required	14 - 17 ft-lb (1,9 - 2,3 kg-m)	14 - 17 ft-lb (1,9 - 2,3 kg-m)	14 - 17 ft-lb (1,9 - 2,3 kg-m)

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	56G	56B and 56H	56J
REAR AXLE			
Bevel drive gear-to-case screw			
—size and thread	3/8" - 24	3/8" - 24	3/8" - 24
—torque required	40 - 50 ft-lb (5,5 - 6,9 kg-m)	40 - 50 ft-lb (5,5 - 6,9 kg-m)	40 - 50 ft-lb (5,5 - 6,9 kg-m)
Differential bearing cap screw			
—size and thread	1/2" - 13	1/2" - 13	1/2" - 13
—torque required	70 - 80 ft-lb (9,7 - 11,0 kg-m)	70 - 80 ft-lb (9,7 - 11,0 kg-m)	70 - 80 ft-lb (9,7 - 11,0 kg-m)
Housing cover screw			
—size and thread	5/16" - 18	3/8" - 16	3/8" - 16
—torque required	13 - 17 ft-lb (1,8 - 2,3 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)	25 - 30 ft-lb (3,5 - 4,1 kg-m)
Shaft-to-hub nut			
—size and thread	1" - 14	1" - 14	1" - 14
—torque required	170 - 240 ft-lb (23,5 - 33,1 kg-m)	170 - 240 ft-lb (23,5 - 33,1 kg-m)	170 - 240 ft-lb (23,5 - 33,1 kg-m)
SPRINGS			
Rear spring front bolt			
—size and thread	7/16" - 20	7/16" - 20	7/16" - 20
—torque required	50 ft-lb (6,9 kg-m)	50 ft-lb (6,9 kg-m)	50 ft-lb (6,9 kg-m)
Rear spring shackle bolt			
—size and thread	7/16" - 20	7/16" - 20	7/16" - 20
—torque required	50 ft-lb (6,9 kg-m)	50 ft-lb (6,9 kg-m)	50 ft-lb (6,9 kg-m)
Rear spring U-bolt nut			
—size and thread	3/8" - 24	7/16" - 14	7/16" - 14
—torque required	47 - 50 ft-lb (6,5 - 6,9 kg-m)	63 - 68 ft-lb (8,7 - 9,4 kg-m)	63 - 68 ft-lb (8,7 - 9,4 kg-m)
TRANSMISSION			
Transmission case-to-clutch housing screw			
—size and thread	7/16" - 14	9/16" - 12	7/16" - 14
—torque required	60 - 70 ft-lb (8,3 - 9,7 kg-m)	70 - 80 ft-lb (9,7 - 11,0 kg-m)	55 - 60 ft-lb (7,6 - 8,3 kg-m)
FLIGHTOMATIC DRIVE			
Case assembly gauge hole plug			
—size and thread	1/8" - 27 Pipe	1/8" - 27 Pipe	
—torque required	7 - 15 ft-lb (1,0 - 2,1 kg-m)	7 - 15 ft-lb (1,0 - 2,1 kg-m)	
Center support-to-transmission case bolts			
—size and thread	3/8" - 16	3/8" - 16	
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	
Companion flange nut			
—size and thread	3/4" - 16	3/4" - 16	
—torque required	90 - 120 ft-lb (12,4 - 16,5 kg-m)	90 - 120 ft-lb (12,4 - 16,5 kg-m)	
Control valve body screws			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	20 - 30 in-lb (0,23 - 0,34 kg-m)	20 - 30 in-lb (0,23 - 0,34 kg-m)	
Control valve body-to-transmission case bolts			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	8 - 10 ft-lb (1,1 - 1,4 kg-m)	8 - 10 ft-lb (1,1 - 1,4 kg-m)	
Converter drain plugs			
—size and thread	1/8" - 27 Pipe	1/8" - 27 Pipe	
—torque required	7 - 10 ft-lb (1,0 - 1,4 kg-m)	7 - 10 ft-lb (1,0 - 1,4 kg-m)	
Converter drive plate-to-converter lock screw			
—size and thread	3/8" - 24	3/8" - 24	
—torque required	23 - 28 ft-lb (3,2 - 3,9 kg-m)	23 - 28 ft-lb (3,2 - 3,9 kg-m)	
Converter housing-to-engine attaching bolts			
—size and thread	3/8" - 16	3/8" - 16	
—torque required	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)	
Transmission-to-converter housing case bolts			
—size and thread	7/16" - 14	7/16" - 14	
—torque required	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)	
Crossmember-to-frame attaching bolts			
—size and thread	3/8" - 24	3/8" - 24	
—torque required	25 - 32 ft-lb (3,5 - 4,4 kg-m)	25 - 32 ft-lb (3,5 - 4,4 kg-m)	
Detent lever attaching nut (inner)			
—size and thread	9/16" - 24	9/16" - 24	
—torque required	35 - 40 ft-lb (4,8 - 5,5 kg-m)	35 - 40 ft-lb (4,8 - 5,5 kg-m)	

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	56G	56B and 56H	56J
Engine rear support-to-crossmember attaching bolts			
—size and thread	7/16" - 20	7/16" - 20	
—torque required	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)	
Extension assembly-to-transmission case bolts			
—size and thread	3/8" - 16	3/8" - 16	
—torque required	28 - 33 ft-lb (3,9 - 4,6 kg-m)	28 - 33 ft-lb (3,9 - 4,6 kg-m)	
Front band adjusting screw lock nut			
—size and thread	3/8" - 16	3/8" - 16	
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	
Front pump cover attaching screws			
—size and thread	No. 10 - 24	No. 10 - 24	
—torque required	25 - 35 in-lb (0,29 - 0,4 kg-m)	25 - 35 in-lb (0,29 - 0,4 kg-m)	
Front pump-to-transmission case bolts			
—size and thread	5/16" - 18	5/16" - 18	
—torque required	17 - 22 ft-lb (2,3 - 3,0 kg-m)	17 - 22 ft-lb (2,3 - 3,0 kg-m)	
Front servo-to-transmission case bolts			
—size and thread	3/8" - 16	3/8" - 16	
—torque required	30 - 35 ft-lb (4,1 - 4,8 kg-m)	30 - 35 ft-lb (4,1 - 4,8 kg-m)	
Governor inspection cover attaching screws			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	50 - 60 in-lb (0,58 - 0,69 kg-m)	50 - 60 in-lb (0,58 - 0,69 kg-m)	
Governor valve body-to-counterweight screws			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	50 - 60 in-lb (0,58 - 0,69 kg-m)	50 - 60 in-lb (0,58 - 0,69 kg-m)	
Governor valve body cover screws			
—size and thread	No. 10 - 24	No. 10 - 24	
—torque required	20 - 30 in-lb (0,23 - 0,34 kg-m)	20 - 30 in-lb (0,23 - 0,34 kg-m)	
Inner throttle lever attaching nut			
—size and thread	5/16" - 24	5/16" - 24	
—torque required	17 - 20 ft-lb (2,3 - 2,8 kg-m)	17 - 20 ft-lb (2,3 - 2,8 kg-m)	
Oil distributor-to-oil distributor sleeve bolts			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	8 - 10 ft-lb (1,1 - 1,4 kg-m)	8 - 10 ft-lb (1,1 - 1,4 kg-m)	
Oil pan drain plug			
—size and thread	5/8" - 18	5/8" - 18	
—torque required	20 - 25 ft-lb (2,8 - 3,5 kg-m)	20 - 25 ft-lb (2,8 - 3,5 kg-m)	
Oil pan-to-transmission case bolts			
—size and thread	5/16" - 18	5/16" - 18	
—torque required	10-13 ft-lb (1,4 - 1,8 kg-m)	10 - 13 ft-lb (1,4 - 1,8 kg-m)	
Pressure regulator assembly-to-transmission case bolts			
—size and thread	5/16" - 18	5/16" - 18	
—torque required	17 - 22 ft-lb (2,3 - 3,0 kg-m)	17 - 22 ft-lb (2,3 - 3,0 kg-m)	
Pressure regulator cover attaching screws			
—size and thread	No. 10 - 24	No. 10 - 24	
—torque required	20 - 30 in-lb (0,23 - 0,34 kg-m)	20 - 30 in-lb (0,23 - 0,34 kg-m)	
Pressure regulator studs and nuts			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	40 - 50 in-lb (0,46 - 0,58 kg-m)	40 - 50 in-lb (0,46 - 0,58 kg-m)	
Rear band adjusting screw lock nut			
—size and thread	1/2" - 20	1/2" - 20	
—torque required	35 - 40 ft-lb (3,0 - 5,5 kg-m)	35 - 40 ft-lb (3,0 - 5,5 kg-m)	
Rear pump cover attaching screws			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	50 - 60 in-lb (0,58 - 0,69 kg-m)	50 - 60 in-lb (0,58 - 0,69 kg-m)	
Rear pump cover attaching screws			
—size and thread	No. 10-24	No. 10 - 24	
—torque required	20 - 30 in-lb (0,23 - 0,34 kg-m)	20 - 30 in-lb (0,23 - 0,34 kg-m)	
Rear servo-to-transmission case bolts			
—size and thread	7/16" - 14	7/16" - 14	
—torque required	40 - 45 ft-lb (5,5 - 6,0 kg-m)	40 - 45 ft-lb (5,5 - 6,0 kg-m)	
Transmission vent assembly			
—size and thread	1/8" - 27 Pipe	1/8" - 27 Pipe	
—torque required	7 - 10 ft-lb (1,0 - 1,4 kg-m)	7 - 10 ft-lb (1,0 - 1,4 kg-m)	

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	56G	56B and 56H	56J
Upper valve body-to-lower valve body bolts			
—size and thread	1/4" - 20	1/4" - 20	
—torque required	4 - 6 ft-lb (0,6 - 0,8 kg-m)	4 - 6 ft-lb (0,6 - 0,8 kg-m)	
ULTRAMATIC DRIVE			
Transmission assembly screw			
—size and thread			3/8" - 16
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission bell housing assembly screw			
—size and thread			7/16" - 14
—torque required			55 - 60 ft-lb (7,6 - 8,3 kg-m)
Transmission bell housing assembly plug			
—size and thread			3/8" - 18 Pipe
—torque required			10 - 12 ft-lb (1,4 - 1,7 kg-m)
Transmission bell housing assembly plug			
—size and thread			1/8" - 27 Pipe
—torque required			8 - 10 ft-lb (1,1 - 1,4 kg-m)
Transmission brake band adjusting screw			5/8" - 18*
Transmission brake band adjusting screw jam nut			
—size and thread			5/8" - 18
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission brake piston cover screw			
—size and thread			No. 10 - 24
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission brake piston cover screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission brake piston cover screw			
—size and thread			1/8" - 27 Pipe
—torque required			8 - 10 ft-lb (1,1 - 1,4 kg-m)
Transmission control assembly screw			
—size and thread			5/16" - 18
—torque required			9 ft-lb (1,3 kg-m)
Transmission control valve starter safety switch			
—size and thread			3/4" - 16
—torque required			50 ft-lb (6,9 kg-m)
Transmission control converter relief valve retainer screw			
—size and thread			5/16" - 18
—torque required			9 ft-lb (1,3 kg-m)
Transmission control oil pump selector valve cover screw			
—size and thread			No. 10 - 24
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control direct drive valve cover screw			
—size and thread			No. 10-24
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control throttle valve spring seat screw			
—size and thread			No. 10 - 24
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control timing valve cover screw			
—size and thread			No. 10 - 24
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control valve body (upper to lower) screw			
—size and thread			1/4" - 20x1-3/8
—torque required			5 ft-lb (0,7 kg-m)
Transmission control valve body (upper to lower) screw			
—size and thread			1/4" - 20 x 1 1/8
—torque required			5 ft-lb (0,7 kg-m)
Transmission control valve body (upper to lower) screw			
—size and thread			1/4" - 20
—torque required			5 ft-lb (0,7 kg-m)
Transmission control valve body (upper to lower) screw			
—size and thread			1/4" - 20 x 1 3/4
—torque required			5 ft-lb (0,7 kg-m)

*Tighten with a torque load of 20 ft-lbs. Back off 1.75 turns. Tighten jam nut.

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	56G	56B and 56H	56J
Transmission control valve body (upper to case) screw			
—size and thread			5/16" - 18
—torque required			9 ft-lb (1,3 kg-m)
Transmission control valve body plug			
—size and thread			3/8" - 18 Pipe
—torque required			10 - 12 ft-lb (1,4 - 1,7 kg-m)
Transmission control valve body separator screw			
—size and thread			1/4" - 20
—torque required			5 ft-lb (0,7 kg-m)
Transmission control valve detent lever set screw nut			
—size and thread			5/16" - 24
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission control valve lever (inner) set screw nut			
—size and thread			5/16" - 24
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission control valve link screw			
—size and thread			No. 10 - 32
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control valve link nut			
—size and thread			No. 10 - 32
—torque required			20 - 30 in-lb (0,23 - 0,34 kg-m)
Transmission control valve starter safety switch terminal screw			
—size and thread			No. 8 - 32
—torque required			15 - 20 in-lb (0,16 - 0,23 kg-m)
Converter clutch housing screw			
—size and thread			3/8" - 16
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Converter oil drain plug			
—size and thread			1/8" - 27 Pipe
—torque required			8 - 10 ft-lb (1,1 - 1,4 kg-m)
Converter outlet valve assembly			
—size and thread			3/4" - 16
—torque required			50 ft-lb (6,9 kg-m)
Converter pump screw			
—size and thread			5/16" - 18
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Converter pump shaft screw			
—size and thread			5/16" - 24
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Converter reactor shaft screw			
—size and thread			5/16" - 24
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Converter (first) turbine screw			
—size and thread			5/16" - 24
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Converter (second) turbine screw			
—size and thread			1/4" - 20
—torque required			12 - 15 ft-lb (1,7 - 2,1 kg-m)
Transmission front oil pump assembly screw			
—size and thread			1/4" - 28
—torque required			8 - 9 ft-lb (1,1 - 1,3 kg-m
Transmission governor assembly screw			
—size and thread			1/4" - 28
—torque required			6 ft-lb (0,8 kg-m)
Transmission governor adaptor screw			
—size and thread			1/4" - 20
—torque required			8 - 9 ft-lb (1,1 - 1,3 kg-m
Transmission governor cover screw			
—size and thread			1/4" - 20
—torque required			8 - 9 ft-lb (1,1 - 1,3 kg-m

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	56G	56B and 56H	56J
Transmission governor pressure take-off plug			
—size and thread			1/8" - 27 Pipe
—torque required			8 - 10 ft-lb (1,1 - 1,4 kg-m)
Transmission oil cooler hose assembly			
—size and thread			3/8" - 18
—torque required			30 ft-lb (4,1 kg-m)
Transmission oil cooler tube assembly clip bolt			
—size and thread			3/8" - 24
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission oil cooler tube assembly clip nut			
—size and thread			3/8" - 24
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission oil cooler tube assembly clip screw			
—size and thread			3/8" - 16
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission oil cooler assembly elbow (pipe thread)			
—size and thread			1/4" - 18
—torque required			20 - 25 ft-lb (2,8 - 3,5 kg-m)
Transmission oil filler plug (breather type)			
—size and thread			3/4" - 14 Pipe
—torque required			18 - 20 ft-lb) (2,5 - 2,8 kg-m)
Transmission oil cooler tube assembly nut			
—size and thread			5/8" — 18
—torque required			20 - 25 ft-lb (2,8 - 3,5 kg-m)
Transmission oil pan screw			
—size and thread			5/16" - 18
—torque required			10 - 12 ft-lb (1,4 - 1,7 kg-m)
Transmission oil pan drain plug			
—size and thread			5/8" — 18
—torque required			25 - 30 ft-lb (3,5 - 4,1 kg-m)
Transmission oil strainer assembly screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission planetary cage screw			
—size and thread			5/16" - 24
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission reactor clutch housing assembly lock nut			
—size and thread			1/4" - 28
—torque required			8 - 9 ft-lb (1,1 - 1,3 kg-m)
Transmission reactor, clutch housing assembly screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission rear housing assembly screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission rear oil pump body assembly screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission rear oil pump body assembly screw			
—size and thread			5/16" - 18
—torque required			15 - 18 ft-lb (2,1 - 2,5 kg-m)
Transmission rear oil pump body cover plate retaining screw			
—size and thread			1/4" - 20
—torque required			8 - 9ft-lb (1,1 - 1,3 kg-m)
Transmission speedometer pinion adaptor screw			
—size and thread			1/4" - 20
—torque required			8 - 9ft-lb (1,1 - 1,3 kg-m)
Transmission universal joint flange nut			
—size and thread			3/4" - 16
—torque required			200 - 225 ft-lb (27,66 - 31,11 kg-m)
WHEELS			
Wheel-to-hub stud nut			
—size and thread	1/2" - 20	1/2" - 20	1/2" - 20
—torque required	75 - 83 ft-lb (10,4 - 11,5 kg-m)	75 - 83 ft-lb (10,4 - 11,5 kg-m)	75 - 83 ft-lb (10,4 - 11,5 kg-m)

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DECIMAL EQUIVALENTS

Inches	Millimeters	Inches	Millimeters
1/64 — .015625	0,397	33/64 — .515625	13,097
1/32 — .03125	0,794	17/32 — .53125	13,494
3/64 — .046875	1,191	35/64 — .546875	13,891
1/16 — .0625	1,588	9/16 — .5625	14,288
5/64 — .078125	1,984	37/64 — .578125	14,684
3/32 — .09375	2,381	19/32 — .59375	15,081
7/64 — .109375	2,778	39/64 — .609375	15,478
1/8 — .125	3,175	5/8 — .625	15,875
9/64 — .140625	3,572	41/64 — .640625	16,272
5/32 — .15625	3,969	21/32 — .65625	16,669
11/64 — .171875	4,366	43/64 — .671875	17,066
3/16 — .1875	4,763	11/16 — .6875	17,463
13/64 — .203125	5,159	45/64 — .703125	17,859
7/32 — .21875	5,556	23/32 — .71875	18,256
15/64 — .234375	5,953	47/64 — .734375	18,653
1/4 — .25	6,350	3/4 — .75	19,050
17/64 — .265625	6,747	49/64 — .765625	19,447
9/32 — .28125	7,144	25/32 — .78125	19,844
19/64 — .296875	7,541	51/64 — .796875	20,241
5/16 — .3125	7,938	13/16 — .8125	20,638
21/64 — .328125	8,334	53/64 — .828125	21,034
11/32 — .34375	8,731	27/32 — .84375	21,431
23/64 — .359375	9,128	55/64 — .859375	21,828
3/8 — .375	9,525	7/8 — .875	22,225
25/64 — .390625	9,922	57/64 — .890625	22,622
13/32 — .40625	10,319	29/32 — .90625	23,019
27/64 — .421875	10,716	59/64 — .921875	23,416
7/16 — .4375	11,113	15/16 — .9375	23,813
29/64 — .453125	11,509	61/64 — .953125	24,209
15/32 — .46875	11,906	31/32 — .96875	24,606
31/64 — .484375	12,303	63/64 — .984375	25,003
1/2 — .5	12,700	1 — 1.	25,400

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