

Torque Specifications

On Type 4

Below are the torque specs for 1968 - 1973 Type 411 and 412. If you know of any prior to 1965, please let me [know](#).

These charts are in Foot-pounds (LB FT), Newton Meter (Nm) and Meter Kilograms (mkg)

1968 - 1973

Engine

Torque Wrench settings	LB FT	Nm	mkg
Fan Screws (M8)	14	19.0	2.0
Fan Hub Screws	23	31.2	3.2
Oil pump nuts	14	19.0	2.0
Oil drain plug	16		2.2
Oil strainer cover nuts	9	12.2	1.3
Rocker shaft standard nuts	10	13.6	1.4
Cylinder head nuts	23	31.2	3.2
Engine carrier to crankcase nuts	22	29.8	3.0
Flywheel Gland nut	80	108.5	11.0
Crankcase screws M8	14	19.0	2.0
Crankcase nuts	22	29.8	3.0
Connecting rod screws	24	32.5	3.3
Spark Plugs	25	33.8	3.5
Engine mounting to Body screws	18	24.4	2.5
Torque converter drive plate screws	61	82.7	8.5
Torque converter screws	14	19.0	2.0

Fuel injection

Torque Wrench settings	LB FT	Nm	mkg
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Injector/Manifold bolts to cylinder head	4	5.4	0.6
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Clutch

Torque Wrench settings	LB FT	Nm	mkg
Clutch/flywheel screws (M8) to September 1969	18	24.4	2.5
Clutch/flywheel screws (M7) October 1969 onwards	14	19.0	2.0
Master cylinder securing screws	29 - 33	39.3 - 44.7	4 - 4.5
Master cylinder supporting bracket screws	14	19.0	2.0
Slave cylinder securing brackets (later models)	14	19.0	2.0

Manual Transmission

Torque Wrench settings	LB FT	Nm	mkg
Gearbox casing to final drive casing cap nuts	14	19.0	2.0
Shift lever casing to gearbox casing nuts	14	19.0	2.0
Drive shaft to drive gear nut	14	19.0	2.0
Selector fork to rail clamp screw	14	19.0	2.0
Selector shaft bearing pin	10	13.6	1.5
Bearing carrier cover nuts	32	43.4	4.5
Oil filter and drain plugs	14	19.0	2.0

Automatic Transmission

Torque Wrench settings	LB FT	Nm	mkg
Torque converter to drive plate bolts	14	19.0	2.0

Rear Suspension

Torque Wrench settings	LB FT	Nm	mkg
Shock absorber to body	14	19.0	2.0
Shock absorber to	42	56.9	6.0

wishbone			
Wishbone to bracket	60	81.3	8.5
Wheel Bearing cover	43	58.3	6.0
Stabilizer to rear axle carrier	18	24.4	2.5
stabilizer to wishbone	10	13.6	1.5

Brakes

Torque Wrench settings	LB FT	Nm	mkg
Master Cylinder mounting bolts	33	44.7	4.5
Master cylinder to servo	9.4	12.7	1.3
Caliper to steering knuckle (M12)	60	81.3	8.0
hose and pipe unions	11 - 15	14.9 -	1.5 - 2.0
Bleed Valves	3.6	4.9	0.5
Rear wheel cylinder to backplate	14 - 22	19.0 - 29.8	2.0 - 3.0
Pressure regulator securing nuts	14	19.0	2.0
Pressure regulator body plug	80	108.5	11
Regulator adjusting screw nut	18 - 25	24.4 - 33.8	2.5 - 3.5

Front Suspension

Torque Wrench settings	LB FT	Nm	mkg
Steering damper to axle carrier	32	43.4	4.5
Track control arm to axle carrier	65	88.1	9.0
Suspension strut mounting to strut	61	82.7	8.5
Steering knuckle and ball joint to strut	32	43.4	4.5
Track control arm to strut	29	39.3	4.0
Stabilizer to track control arm	25	33.8	3.3
Tie rod clip	14	19.0	2.0
Tie rod ball joint pins	22	29.8	3.0
Strut to body	14	19.0	2.0
Pitman (drop) arm to	80	108.5	11

steering gear			
Idler arm to bracket	22	29.8	3.0
Steering gear to body	36	48.8	5.0
Center tie rod to drop arm and idler arm	22	29.8	3.0
Front axle carrier to body	47	63.7	6.5
Steering column coupling flange	14	19.0	2.0
Steering wheel to column	40	54.2	5.5
Worm spindle adjusting screws locknut	43	58.3	6.0
Front brake calipers to steering knuckle	60	81.3	8.0

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