

Torque Specifications

On Type 3

Below are the torque specs for 1963 - 1973 Type 3. If you know of any prior to 1962 or 1974, please let me [know](#).

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

1963 - 1973

Engine

Torque Wrench settings	LB FT	Nm	mkg
Fan and Pulley Screw	101	136.9	14
Fan Hub Screws	23	31.2	3.2
Oil pump nuts	14	19.0	2.0
Oil drain plug	33	44.7	4.5
Oil strainer cover nuts	5	6.7	0.7
Rocker shaft nuts	18	24.4	2.5
Cylinder head nuts	23	31.2	3.2
Engine carrier to crankcase nuts (M8)	28	38.0	4.0
Engine carrier to crankcase nuts (M10)	46	62.4	6.5
Flywheel Gland nut	253	343.0	35
Crankcase nuts and screws M8	14	19.0	2.0
Crankcase nuts and screws M10 or M12	25	33.8	3.5
Connecting rod nuts	24	32.5	3.3
Engine mounting to Body screws	22	29.8	3.0
Engine carrier flexible mounting nuts	18	24.4	2.5
Fan and Pulley Screw	101	136.9	14
Spark Plugs	25	33.8	3.5
Torque converter screws	14	19.0	2.0

Fuel injection

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

Clutch

Torque Wrench settings	LB FT	Nm	mkg
Cover to flywheel screws	18	24.4	2.5

Transmission and Final Drive

Torque Wrench settings	LB FT	Nm	mkg
Oil drain and filler plugs	14	19.0	2.0
Spring plate nuts and bolts	72	97.6	10.0
Final drive cover nuts	22	29.8	3.0
Transmission carrier to frame bolts	166	225.1	23.0
Gear change cover to carrier nuts	11	14.9	1.5
Gear carrier to casing nuts	14	19.0	2.0
Pinion bearing retainer screws	36	48.8	5.0
Pinion/transmission retaining ring	108	146.4	15
Pinion shaft nut	43	58.3	6.0
Input shaft nut	43	58.3	6.0
Reverse lever guide screw	14	19.0	2.0
Selector fork screws	18	24.4	2.5
Pinion Shaft round nut (ball bearing)	87	118.0	12.0
Pinion Shaft round nut (taper roller bearing)	144	195.2	20.0

Automatic Transmission

Torque Wrench settings	LB FT	Nm	mkg
Torque converter to flex plate screws	14	19.0	2.0

Drive Shafts (swing axle and double joint axles - IRS)

Torque Wrench settings	LB FT	Nm	mkg
Axle tube retainer nuts	14	19.0	2.0
Bearing retainer screws	43	58.3	6.0

Axle shaft nut (swing axle)	217	294.2	30
Wheel shaft nut (double joint shafts - IRS)	253	343.0	35.0
Axle tube/spring plate bolts and nuts	72	97.6	10.0
Double joint drive shaft flange screws (IRS)	25	33.8	3.5

Brakes

Torque Wrench settings	LB FT	Nm	mkg
Master Cylinder mounting bolts	18	24.4	2.5
Back plate to steering knuckle	36	48.8	5.0
Brake hose and pipe unions	11 - 15	14.9 -	1.5 - 2.0
Stop light switch	14	19.0	2.0
Wheel cylinder to back plate screws	14 - 22	19.0 - 29.8	2.0 - 3.0
Caliper to steering knuckle bolt	29	39.3	4.0
Caliper to steering knuckle bolt (1972 on)	58 - 65	78.6 -	8 - 9

Electrical System

Torque Wrench settings	LB FT	Nm	mkg
Dynamo Pulley nut (Generator)	43	58.3	6.0

Suspension, dampers & steering

Torque Wrench settings	LB FT	Nm	mkg
Wheel bolts	87 - 94	118.0 - 127.4	12 - 13
Torsion bar to arm set screw	22	29.8	3.0
Steering joints in torsion arm nuts	80	108.5	11
Steering joint to knuckle clamp bolts	40	54.2	5.5
Torsion bar to axle bolt	29	39.3	4.0
Stabilizer bar to torsion arm set screws	36	48.8	5.0

Stabilizer clamp screw	29	39.3	4.0
Stabilizer adjusting screw	7	9.5	1.0
Tie rod to drop and steering arms	22	29.8	3.0
Steering arm to knuckle	40	54.2	5.5
Damper bolts and nuts (front)	22 - 25	29.8 - 33.8	3.0 - 3.5
Steering damper to axle bolt	29 - 32	39.3 - 43.4	4.0 - 4.5
Steering damper to drop arm nut	18	24.4	2.5
Steering gear to Front axle	22 - 25	29.8 - 33.8	3.0 - 3.5
Steering wheel to column nut	36	48.8	5.0
Steering column to coupling nut	22	29.8	3.0
Coupling to worm spindle	18	24.4	2.5
Drop arm to shaft	51	69.1	7.0
Rear spring plate screws and nuts	80	108.5	11.0
Diagonal arm pivot set screw	87	118.0	12.0
Spring plate bearing cover screws	28	38.0	3.5
Damper to diagonal arm and sub frame nuts	50	67.8	7.0
Axle clamp bolts, upper and lower	22	29.8	3.0
Axle clamp bolts, center	29	39.3	4.0