

Miata Torque Specifications

Except where noted, all torque specifications listed are in Foot-pounds / Newton-meters.

General	Spark plugs	11-17 (132-204 in-lbs)
	Engine oil drain plug (19mm)	22-30/31-41
	Gearbox drain plug (24mm)	29-43/39-59
	Gearbox fill plug (square)	18-29/25-39
	Differential drain plug (24mm)	29-40/39-54
	Differential fill plug (23mm)	29-40/39-54
	Wheel lug nuts	66-86/89-117
Suspension	Swaybar bushing bolts, front rear	13-20/18-26 14-21/20-28
	Swaybar end link bolts, both ends	27-40/36-54
	Upper shock mount plate bolts	22-27/29-36
	Upper shock nuts	23-34/31-46
	Lower shock bolt	54-69/73-93
	Lower control arm bolt, front	54-69/73-93
	Spindle (vertical) bolt	54-69/73-93
	Camber adjustment bolts, (D or H-style) front rear	69-83/94-112 54-70/73-95
Brakes	Front/rear bracket bolts	36-51/49-69
	Caliper bolts, front rear	58-65/78-88 25-29/34-39
	Front/rear banjo bolts	16-22/22-29
	Rear adjuster plug bolt	9-12/12-16 242-blue)
Engine & Cooling	Crank pulley bolt (1990 – early 1991)	80-87/108-118 (plus Loctite 242-blue)
	Crank pulley bolt (late 1991 – present)	116-122/157-165 (plus Loctite
	Cam cover bolts (follow recommended tightening order)	43-78 in-lbs
	Alternator mounting bolt	27-38/37-52
	Alternator tension adjustment bolt	14-19/19-25
	Water pump – 4 bolts to block	14-19/19-25
	Water inlet pipe – 2 bolts to water pump	14-19/19-25
	Radiator – upper bolts	14-19/19-25
	Thermostat cover – 2 bolts	14-19/19-25
	Timing belt tensioner bolt & idler pulley bolt	28-38/38-52
	Timing belt cover bolts	14-18/19-24
	Cylinder head bolts (must be done in stages and in correct order.)	56-60/76-81
Intake & Exhaust	Airflow meter bolts	69-95 in-lbs
	Intake manifold bracket	27-40/36-54
	O2 sensor	by feel, as close to 22-36 ft-lbs as possible
	Exhaust pipe clamp bolt (to bell housing)	15-20/21-27
	Bell housing bolts	48-65/65-88
	Exhaust header nuts	28-34/38-46
	Cat converter nuts (both ends)	30-41/40-55
Clutch	Transmission front cover bolts	14-18/19-24
	Flywheel bolts	71-75/96-102
	Pressure plate bolts	14-19/19-25
	Bell housing bolts	48-65/65-88
	Prop shaft nuts	20-22/27-30
	Power plant frame bolts	77-91/104-123
	Starter motor bolts	28-38/38-51
	Starter motor mounting bracket bolts	28-38/38-51
	Slave cylinder fluid tube	9-16 (113-190 in. lbs.)
	Slave cylinder mounting bolts	12-16/16-22