

## MGB Torque Specifications

Area of Use	Torque (ft/lbs)	Notes
<b>General Use</b>		
Gearbox remote control cover to tunnel	44 to 46	All models
Hydraulic brake pipe connection, 3/8 UNF	5 to 7	
Hydraulic brake pipe connect, 7/16 UNF	7 to 10	
Alternator shaft nut	25 to 30	All models
Interior mirror special screw	5	All models
Master cylinder port adaptors	33	later models (RBB)
Master cylinder reservoir fixing bolts	5	All models
Brake pressure failure switch (nylon)	15	
Brake pressure failure switch end plug	200	All models
Air pump mounting screws	18	
Spark plugs	18	All models
Propeller shaft flange nuts	30 to 35	All models
Brake caliper securing bolts	40 to 45	All models
Brake front servo bolts	8 to 13	All models
Brake rear servo bolts	13 to 27	All models
Brake stone guard screws	17 to 19	All models
Pressure differential switch end plug	17	later models (RBB)
Alternator mounting bolt	20	All models
Alternator pulley nut	25	All models
Starter motor mounting bolts	30	All models
<b>Engine Fasteners</b>		
Main bearing nuts	70	All models
Flywheel set screws	40	18G/18GA
Gudgeon pin clamp bolts	25	18G/18GA (early CBB)
Big-end bolts	+35 to 40	early models(CBB)
Big-end bolts	33	later models (RBB), oiled thread
Cylinder head nuts	45 to 50	18G/18GA
Rocker bracket nuts	25	All models
Oil pump to crankcase	14	All models
Sump to crankcase	6	All models
Cylinder side cover screws	2	18G/18GA
Cylinder side cover screws, deep cover	5	18G/18GA
Timing cover, 1/4 inch screws	6	18G/18GA
Timing cover, 5/16 inch screws	14	18G/18GA
Rear plate, 5/16 inch screws	20	All models
Rear plate, 3/8 inch screws	30	All models
Water pump to crankcase	25	early models(CBB)
Water pump to crankcase	17	later models (RBB)
Water outlet elbow nuts	8	18G/18GA
Rocker cover nuts	4	18G/18GA
Manifold nuts	15	All models
Oil filter center bolt	15	18G/18GA (early CBB)
Clutch to flywheel	25 to 30	All models
Carburettor stud nuts	2	18G/18GA
Carburettor stud nuts	15	All models
Distributor clamp bolt (nut trapped)	4	18G/18GA
Distributor clamp bolt (bolt trapped)	2 to 3	18G/18GA
Fan blade fixing screws	7 to 9	18G/18GA0
Crankshaft pulley nuts	70	All models
Camshaft nut	60 to 70	All models
Oil pipe banjo	37 max	All models
Front plate, 5/16 inch screws	20	All models
Rear engine mounting bolt	38 to 40	All models
Oil pressure relief valve domed nut	43	Pre-1978
Oil pressure relief valve domed nut	40	1978 on
Rocker bracket nuts	25	All models

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<b>Gearbox Fasteners</b>		
Front brake band adj. screw locknut	15 to 20	automatic transmission
Rear brake band adj. screw locknut	25 to 30	automatic transmission
Filler tube to transmission case	20 to 30	automatic transmission
Filler tube to connector sleeve nut	17 to 18	automatic transmission
Drive flange nut	55 to 60	automatic transmission
Center support bolts	10 to 18	automatic transmission
Mounting to gearbox case	15 to 20	manual transmission
Drive flange nut, without overdrive	150	manual transmission
Drive flange nut, overdrive Type D	100 to 130	manual transmission
Drive flange nut, overdrive Type LH	55 to 60	manual transmission
Converter to drive plate bolts	25 to 30	automatic transmission
Transmission case to converter housing	8 to 13	automatic transmission
Extension housing to transmission case	8 to 13	automatic transmission
Oil pan to gearbox	8 to 13	automatic transmission
Front servo bolts	8 to 13	automatic transmission
Rear servo bolts	13 to 27	automatic transmission
Pump adaptor to housing screw	2 to 3	automatic transmission
Pump adaptor to housing bolts	17 to 32	automatic transmission
Pump adaptor to transmission case	8 to 18	automatic transmission
Manual shaft locknut	7 to 9	automatic transmission
Pressure adaptor plug	4 to 5	automatic transmission
Drain plug	8 to 10	automatic transmission
Upper valve body to lower valve body scr	20 to 30	automatic transmission
Lower valve body to upper valve body scr	20 to 30	automatic transmission
Oil tube and end plate to valve body	20 to 30	automatic transmission
Valve bodies to transmission case bolts	5 to 9	automatic transmission
Cam bracket screws	20 to 40	automatic transmission
Governor to counterweight screws	4 to 5	automatic transmission
Governor to cover plate screws	20 to 48	automatic transmission
Front servo adjusting screw locknut	15 to 20	automatic transmission
Rear servo adjusting screw locknut	25 to 30	automatic transmission
Starter inhibitor switch locknut	4 to 6	automatic transmission
Downshift cable adaptor bolts	8 to 9	automatic transmission
Filler tube connector to transmission	20 to 30	automatic transmission
Stone guard screws	17 to 19	automatic transmission
Driving flange nut	55 to 60	automatic transmission
<b>Steering Fasteners</b>		
Steering arm bolts	60 to 65	All models
Steering rack fixings v	30	All models
Steering wheel nut	41 to 43	All models
Steering wheel nut, 9/16 in. UNF	27 to 29	GHN4, GHD4,GHD5,GHN5 models
Steering wheel nut, 11/16 in. UNF	41 to 43	GHN4, GHD4,GHD5,GHN5 models
Steering wheel nut	36 to 38	GHN4, GHD4,GHD5,GHN5 some local models
Steering column universal joint bolts	20 to 22	All models
Steering rack and pinion bearing nut	40	All models
Steering tie-rod lock nut	33 to 38	All models
Steering lever balljoint nut	34 to 35	All models
Swivel pin nut	60	All models; tighten to align to next hole
Steering column top fixing bolts	12 to 17	All models
Road wheel nuts	60 to 65	All models
<b>Rear Suspension Fasteners</b>		
Rear shock absorber bolts	55 to 60	All models

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<b>Front Suspension Fasteners</b>		
Front shock absorber bolts	43 to 45	All models
Brake disc to hub	40 to 45	All models
Brake caliper mounting	40 to 45	All models
Bearing retaining nut	40 to 70	All models
Cross member to body	54 to 56	All models
Shock absorber pinch bolt	28	All models
Wishbone cross bolt	28	All models
Anti roll bar link	60	All models
Spring pan nuts and screws	22	All models
Stiff nut to crossmember mounting bolt	44 to 46	GHN4, GHD4,GHD5,GHN5 models
King pin to wishbone - lower fulcrum	45	
King pin to damper - upper fulcrum	40	
King pin trunnion (nut on top of king pin)	65	
<b>Rear Axle Fasteners</b>		
Half-shaft nut	150	Semi floating axle, tighten to align to next hole
Differential bearing cap bolts	60 to 65	three-quarter floating axle
Crown wheel bolts	60 to 65	All models
Pinion nut, new spacer only	180 to 220	
Pinion nut, oil seal change	Adjust to preload	see section Ha, Bentley & Leyland Workshop Manual
Pinion bearing nut	135 to 140	three-quarter floating axle
Axle shaft nut	150	tighten to align to next hole
Crown wheel to differential carrier	55 to 60	three-quarter floating axle
Bearing retaining nut	180	three-quarter floating axle
Differential bearing cap bolts	50 to 55	semi- floating axle

<b>General Torque Values by Fastener Size</b>				
Based on the use of lubricated threads				
<b>Coarse Threaded</b>				
Size	Grade 2 Iron	Grade 5 Iron	Grade 8 Iron	Alumn
1/4-20 (NC)	6	7	11	6
5/16-18 (NC)	18	15	22	12
3/8-16 (NC)		30	40	20
7/16-14 (NC)	32	45	65	35
1/2-13 (NC)	50	70	95	55
9/16-12 (NC)	70	100	140	80
5/8-11 (NC)	100	135	190	110
3/4-10 (NC)	175	240	340	190
7/8-9 (NC)		360	550	280
1-8 (NC)		530	820	420
<b>Fine Threaded</b>				
Size	Grade 2 Iron	Grade 5 Iron	Grade 8 Iron	Alumn
1/4-28 (NF)	6	9	13	7
5/16-24 (NF)	12	17	24	14
3/8-24 (NF)		30	45	25
7/16-20 (NF)	36	50	70	40
1/2-20 (NF)	55	75	110	60
9/16-18 (NF)	80	110	155	85
5/8-18 (NF)	110	155	215	120
3/4-16 (NF)	200	270	380	210
7/8-14 (NF)		390	610	310
1-14 (NF)		590	890	480