

GENERAL DATA—continued

TORQUE WRENCH SETTINGS

Cylinder head stud nuts	40 lb. ft. (5.5 kg. m.).
Connecting rod big-end bolts	35 lb. ft. (4.8 kg. m.).
Main bearing set screws	60 lb. ft. (8.3 kg. m.).
Flywheel centre-bolt	110 to 115 lb. ft. (15.2 to 15.9 kg. m.).
Gudgeon pin clamp screws	25 lb. ft. (3.4 kg. m.).
Rocker shaft bracket nuts	25 lb. ft. (3.4 kg. m.).
Transmission case to crankcase	6 lb. ft. (.8 kg. m.).
Cylinder side cover	2 lb. ft. (.28 kg. m.).
Timing cover— $\frac{1}{4}$ in. UNF. bolts	6 lb. ft. (.8 kg. m.).
Timing cover— $\frac{5}{16}$ in. UNF. bolts	14 lb. ft. (1.9 kg. m.).
Water pump	17 lb. ft. (2.3 kg. m.).
Water outlet elbow	8 lb. ft. (1.1 kg. m.).
Oil filter	16 lb. ft. (2.2 kg. m.).
Oil pump	9 lb. ft. (1.2 kg. m.).
Manifold to cylinder head	15 lb. ft. (2.1 kg. m.).
Rocker cover	4 lb. ft. (.56 kg. m.).
Crankshaft pulley nut	70 lb. ft. (9.6 kg. m.).
Transmission case studs— $\frac{3}{8}$ in. dia. UNC.	8 lb. ft. (1.1 kg. m.).
Transmission case studs— $\frac{5}{16}$ in. dia. UNC.	6 lb. ft. (.8 kg. m.).
Transmission case stud nuts— $\frac{3}{8}$ in. UNF.	25 lb. ft. (3.45 kg. m.).
Transmission case stud nuts— $\frac{5}{16}$ in. UNF.	18 lb. ft. (2.5 kg. m.).
Bottom cover set screws— $\frac{1}{4}$ in. dia. UNC. (change speed tower)	6 lb. ft. (.8 kg. m.).
First motion shaft nut	90 lb. ft. (12.3 kg. m.).
Third motion shaft nut	90 lb. ft. (12.3 kg. m.).
Flywheel housing bolts and stud nuts	18 lb. ft. (2.5 kg. m.).
Set screw, driving strap to flywheel	16 lb. ft. (2.2 kg. m.).
Set screw, clutch spring housing to pressure plate	16 lb. ft. (2.2 kg. m.).
Distributor clamp bolt: Fixed nut type	50 lb. in. (.576 kg. m.).
Fixed bolt type	30 lb. in. (.345 kg. m.).
Final drive	
Driven gear to differential cage	60 lb. ft. (8.3 kg. m.).
Nut, driving flange to differential	80 to 85 lb. ft. (11.06 to 11.75 kg. m.) (and align to next split pin hole).
End cover bolts (differential housing)	18 lb. ft. (2.5 kg. m.).
Suspension and steering	
Steering lever to hub bolts	35 lb. ft. (4.8 kg. m.).
Steering lever ball joint nut	20 to 24 lb. ft. (2.77 to 3.32 kg. m.).
Steering knuckle ball pin bottom nut	35 to 40 lb. ft. (4.8 to 5.5 kg. m.).
Steering knuckle ball pin top nut	35 to 40 lb. ft. (4.8 to 5.5 kg. m.).
Steering knuckle ball pin housing	70 lb. ft. (9.6 kg. m.).
Front hub nut (drive shaft)	60 lb. ft. (8.3 kg. m.).
Rear suspension stub axle nut	60 lb. ft. (8.3 kg. m.) (align to next slot).
Front suspension upper arm pivot pin nut	26 to 28 lb. ft. (3.6 to 3.87 kg. m.).
Steering-wheel nut	41 lb. ft. (5.76 kg. m.).
Road wheel nuts	38 to 43 lb. ft. (5.25 to 5.94 kg. m.).

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GENERAL DATA—continued
(MINI-COOPER—continued)

TORQUE TIGHTENING FIGURES

Calliper retaining bolts	35 to 40 lb. ft. (4.84 to 5.53 kg. m.).
Steering lever ball joint	25 to 30 lb. ft. (3.46 to 4.15 kg. m.).

GENERAL DATA—continued
(MINI-COOPER 'S'—continued)

TORQUE WRENCH SETTINGS

Cylinder head nuts (10 off)	42 lb. ft. (5.807 kg. m.).
Cylinder head bolt (front, 1 off)	25 lb. ft. (3.456 kg. m.).
Connecting rod big-end bolts	46 lb. ft. (6.221 kg. m.).
Main bearing set screws (early type)	67 lb. ft. (9.263 kg. m.).
Main bearing nuts (later type)	57 lb. ft. (7.88 kg. m.).
Drive shaft nut	150 lb. ft. (20.74 kg. m.).

DIMENSIONS

Track: Front: 3.5 in. rim	47 $\frac{17}{32}$ in. (1.207 m.).
4.5 in. rim	48 $\frac{17}{32}$ in. (1.233 m.).
Rear: 3.5 in. rim	46 $\frac{5}{16}$ in. (1.176 m.).
4.5 in. rim	47 $\frac{5}{16}$ in. (1.202 m.).
Weight (unladen)	1,411 lb. (640 kg.) approx.