

## VII. Tightening Torques (dual-carburetor and fuel injection 1700, 1800, and 2000 engines)

Location	Designation	Thread	Quality grade	mkg	ft. lb.
Connecting rods	connecting rod nut	M 9 x 1	41 Cr 4	3.3	24
Crankcase halves	nut	M 8	6 G	2.0	14
Crankcase halves	sealing nut	M 10 x 1.25	35 S 20 KV	3.5	25
Cylinder head	nut	M 10	35 S 20 KV	3.2	23
Rocker shaft to cylinder head	nut	M 7	6 G	1.4	10
Heat exchangers to cylinder head	self-locking nut	M 8	—	2.2	16
Muffler to heat exchangers	self-locking nut	M 8	—	2.0	14
Oil drain plug	plug	M 12 x 1.5	9 S 20 K	2.2	16
Oil pan cover to crankcase	sealing nut	M 8	9 S 20 K	1.3	9
Drive plate to crankshaft	socket head screw	M 12 x 1.5	10 K	9	65
Hub to crankshaft	self-locking bolt	M 8	SAE 1022	3.2	23
Fan to hub	socket head screw	M 8	—	2.0	14
Extension shaft with pulley to fan	bolt	M 8	—	2.0	14
Spark plugs	spark plug	M 14 x 1.25	—	3.0	22
Engine to transmission	nut	M 10	—	3.0	22
Engine bearer support to crankcase	self-locking bolt	M 8	—	3.0	22
Bonded rubber mounting to support/engine bearer	self-locking nut	M 8	—	2.0	14
Engine bearer to engine bearer mounting	self-locking nut	M 8	—	2.0	14
Engine bearer mounting to body	self-locking nut	M 8	—	2.0	14
Oil pump to crankcase	nut	M 8	—	2.0	14
Oil cooler to crankcase	nut	M 6	—	0.7	5 (60 in. lb.)
Flywheel to crankshaft	self-locking bolt	M 12 x 1.5	22 Cr 4	11.0	80
Clutch to flywheel	bolt	M 8 x 20	8 G	2.5	18
Torque converter to driveplate	bolt	M 8	8 G	2.0	14

## VIII. General Engine Data

Engine code letters	From August 1967 through July 1970: B From August 1970 through July 1971: AE Manual transmission from August 1971 through July 1973: CB Automatic transmission from August 1972 through July 1973: CD Manual transmission from August 1973 through July 1974: AW Automatic transmission from August 1973 through July 1974: AW Fuel injection engines from August 1974: ED Fuel injection engines from August 1975: (except 1979 and later Calif.) <u>GD</u> Calif. fuel injection from August 1978: GE
Number of cylinders	4
Cylinder layout	Horizontally opposed pairs
Bore mm (in.)	Code letters B, AE: 85.50 (3.365) Code letters CB, CD: 90.00 (3.540) Code letters AW, ED: 93.00 (3.660) Code letter GD, GE: <u>94.00</u> (3.701)
Stroke mm (in.)	Code letters B, AE: 69.00 (2.720) Code letters CB, CD, AW, ED: 66.00 (2.600) Code letter GD, GE: <u>71.00</u> (2.795)
Piston displacement cc (c.i.)	Code letters B, AE: 1584 (96.7) Code letters CB, CD: 1679 (102.5) Code letters AW, ED: 1795 (109.5) Code letter <u>GD, GE: 1970</u> (120.2)
Compression ratio	Code letters B, AE: 7.5 (7.7 through Engine No. B 5 039 389) Code letters CB, CD, AW, ED, <u>GD, GE: 7.3</u>

## VIII. General Engine Data (continued)

Fuel requirement	91 octane RON—lead-free only for cars with catalytic converters
Horsepower (DIN)	Code letter B: 47 @ 4000 rpm
(SAE)	Code letter B: 57 @ 4400 rpm
(DIN)	Code letter AE: 50 @ 4000 rpm
(SAE)	Code letter AE: 60 @ 4400 rpm
(DIN)	Code letter CB: 66 @ 4800 rpm
(SAE)	Code letter CB: 63 @ 4800 rpm
(DIN)	Code letter CD: 62 @ 4000 rpm
(SAE)	Code letter CD: 59 @ 4200 rpm
(DIN)	Code letter AW: 68 @ 4200 rpm
(SAE)	Code letter AW: 65 @ 4200 rpm
(DIN)	Code letter ED: 70 @ 4800 rpm
(SAE)	Code letter ED: 67 @ 4400 rpm
(DIN)	Code letter GD or GE: 70 @ 4200 rpm
(SAE)	Code letter GD or GE: <u>67 @ 4200 rpm</u>
Torque (DIN)	Code letter B: 10.6 mkg @ 2200 rpm
(SAE)	Code letter B: 81.7 ft. lb. @ 3000 rpm
(DIN)	Code letter AE: 10.8 mkg @ 2800 rpm
(SAE)	Code letter AE: 81.7 ft. lb. @ 3000 rpm
(DIN)	Code letter CB: 11.6 mkg @ 3200 rpm
(SAE)	Code letter CB: 81.0 ft. lb. @ 3200 rpm
(DIN)	Code letter CD: 11.8 mkg @ 3200 rpm
(SAE)	Code letter CD: 83.0 ft. lb. @ 3200 rpm
(DIN)	Code letter AW: 13.2 mkg @ 3000 rpm
(SAE)	Code letter AW: 92.4 ft. lb. @ 3000 rpm
(DIN)	Code letter ED: 13.0 mkg @ 2400 rpm
(SAE)	Code letter ED: 90.0 ft. lb. @ 2400 rpm
(DIN)	Code letter GD or GE: 14.3 mkg @ 2800 rpm
(SAE)	Code letter GD or GE: <u>101.0 ft. lb. @ 3000 rpm</u>

