

TECHNICAL DATA

Engine (General Data)			
Type	Four cylinder four stroke engine in line, water cooled, overhead camshaft	Valve—Exhaust :	
Bore	78 mm (3.07 in)	Overall length	107.0 mm (4.213 in)
Stroke	83 mm (3.27 in)	Head diameter	33 ± 0.1 mm (1.2992 ± 0.0039 in)
Piston displacement	1,586 cc (96.8 cu-in)	Angle of seat	90°
Compression ratio	8.6 : 1	Stem diameter	8 + 0.045 + 0.025 mm (0.3150 + 0.0018 + 0.0010 in)
Compression pressure	11.9 kg/cm <sup>2</sup> (169 lb/in <sup>2</sup> ) at 310 rpm	Valve margin thickness	1.5 ± 0.2 mm (0.0591 ± 0.0079 in)
Brake horsepower : SAE	104 HP at 6,000 rpm	Valve spring—Outer :	
Maximum torque : SAE	106 lb-ft at 3,500 rpm	Wire diameter	4.3 mm (0.169 in)
Weight	138 kg (304 lb)	Outer coil diameter	32.9 mm (1.295 in)
Length x Width x Height	0.711 x 0.684 x 0.640 m (28 x 27 x 25 in)	Free length	37.3 mm (1.469 in)
		Fitting length	34.0 mm (1.339 in)
		Fitting load	14.3 kg (31.5 lb)
		Valve spring—Inner :	
		Wire diameter	3.0 mm (0.118 in)
		Outer coil diameter	23.1 mm (0.909 in)
		Free length	36.8 mm (1.449 in)
		Fitting length	32.5 mm (1.280 in)
		Fitting load	9.5 kg (20.9 lb)
		Rocker arm :	
		Bore in rocker arm	22 + 0.021 - 0 mm (0.8662 + 0.0008 - 0 in)
		Rocker arm bush :	
		Outer diameter	22 + 0.049 + 0.028 mm (0.8662 + 0.0019 + 0.0011 in)
		Inner diameter	19 + 0.033 - 0 mm (0.7480 + 0.0013 - 0 in)
		Rocker arm shaft-Intake :	
		Outer diameter	19 - 0.020 - 0.041 mm (0.7480 - 0.0008 - 0.0016 in)
		Length	154 mm (6.10 in)
		Rocker arm shaft-Exhaust :	
		Outer diameter	19 - 0.020 - 0.041 mm (0.7480 - 0.0008 - 0.0016 in)
		Length	332 mm (13.07 in)
		Rocker arm shaft and bush clearance	0.020 ~ 0.074 mm (0.0008 ~ 0.0029 in)
		Camshaft :	
		Journal diameter	Front : 45 - 0.040 - 0.055 mm (1.7717 - 0.0016 - 0.0022 in)
			Center : 45 - 0.050 - 0.065 mm (1.7717 - 0.0020 - 0.0026 in)
			Rear : 45 - 0.040 - 0.055 mm (1.7717 - 0.0016 - 0.0022 in)
		Basic circle of cam	38 ± 0.05 mm (1.4961 ± 0.0020 in)
		Cam elevation	Inlet : 44.715 mm (1.7605 in)
			Exhaust : 44.682 mm (1.7592 in)
		Camshaft end play	0.02 ~ 0.18 mm (0.0008 ~ 0.0071 in)
Engine			
Cylinder head :			
Material	Aluminum alloy		
Combustion chamber	50.0 cc (3.1 cu-in)		
Permissible distortion	0.15 mm (0.006 in)		
Valve clearance (Warm engine)	Inlet : 0.30 mm (0.012 in) Exhaust : 0.30 mm (0.012 in)		
Valve seat ring :			
Outer diameter	Inlet : 43 + 0.12 + 0.10 mm (1.6929 + 0.0047 + 0.0039 in)		
	Exhaust : 37 + 0.12 + 0.10 mm (1.4567 + 0.0047 + 0.0039 in)		
Shrink fit in cylinder head	0.075 ~ 0.120 mm (0.0030 ~ 0.0047 in)		
Valve seat :			
Valve seat angle	90°		
Valve seat width	Inlet : 2.1 mm (0.083 in) Exhaust : 1.4 mm (0.055 in)		
Valve guide :			
Length	50.5 mm (1.988 in)		
Outer diameter	14 + 0.044 + 0.033 mm (0.5512 + 0.0017 + 0.0013 in)		
Inner diameter	8 + 0.083 + 0.063 mm (0.3150 + 0.0033 + 0.0025 in)		
Valve stem to guide clearance	Inlet : 0.018 ~ 0.053 mm (0.0007 ~ 0.0021 in) Exhaust : 0.018 ~ 0.058 mm (0.0007 ~ 0.0023 in)		
Valve—Intake :			
Overall length	108.5 mm (4.272 in)		
Head diameter	42 ± 0.1 mm (1.6536 ± 0.0039 in)		
Angle of seat	90°		
Stem diameter	8 + 0.045 + 0.030 mm (0.3150 + 0.0018 + 0.0012 in)		
Valve margin thickness	1.5 ± 0.2 mm (0.0591 ± 0.0079 in)		

Permissible run-out of camshaft	0.03 mm (0.0012 in)		
Camshaft bearing :			
Material	Babbitt		
Bearing clearance	0.019 ~ 0.069 mm (0.0007 ~ 0.0027 in)		Second : 1.5 $\begin{matrix} +0.034 \\ +0.020 \end{matrix}$ mm (0.0591 $\begin{matrix} +0.0013 \\ +0.0008 \end{matrix}$ in)
Undersize bearing available	0.25 mm (0.0098 in) 0.50 mm (0.0197 in) 0.75 mm (0.0295 in)		Oil : 4.0 $\begin{matrix} +0.034 \\ +0.020 \end{matrix}$ mm (0.1575 $\begin{matrix} +0.0013 \\ +0.0008 \end{matrix}$ in)
Camshaft drive :	Chain and sprockets	Ring groove depth	3.85 mm (0.1516 in)
Number of chain links	100	Piston and cylinder clearance	0.057 ~ 0.072 mm (0.0022 ~ 0.0028 in)
Number of sprocket teeth	Camshaft sprocket : 38 Crankshaft sprocket : 19	Undersize piston available	0.25 mm (0.0098 in) 0.50 mm (0.0197 in) 0.75 mm (0.0295 in) 1.00 mm (0.0394 in)
Valve timing :		Piston ring :	
Intake opens	13° before top dead center	Width	Top : 1.5 $\begin{matrix} -0.01 \\ -0.03 \end{matrix}$ mm (0.0591 $\begin{matrix} -0.0004 \\ -0.0012 \end{matrix}$ in)
Intake closes	54° after bottom dead center		Second : 1.5 $\begin{matrix} -0.01 \\ -0.03 \end{matrix}$ mm (0.0591 $\begin{matrix} -0.0004 \\ -0.0012 \end{matrix}$ in)
Exhaust opens	57° before bottom dead center		Oil : 4.0 $\begin{matrix} -0.01 \\ -0.03 \end{matrix}$ mm (0.1575 $\begin{matrix} -0.0004 \\ -0.0012 \end{matrix}$ in)
Exhaust closes	10° after top dead center	Thickness	Top : 3.6 ± 0.1 mm (0.1417 ± 0.0039 in)
Connecting rod :			Second : 3.6 ± 0.1 mm (0.1417 ± 0.0039 in)
Length (Center to center)	144 ± 0.05 mm (5.6694 ± 0.0020 in)	Side clearance	Oil : 3.0 ± 0.1 mm (0.1181 ± 0.0039 in)
Permissible weight difference between connecting rods	5 gr (0.18 oz)		Top : 0.035 ~ 0.070 mm (0.0014 ~ 0.0028 in)
Permissible distortion	0.02 mm per 50 mm (0.002 in per 5 in)		Second : 0.030 ~ 0.064 mm (0.0012 ~ 0.0025 in)
End play	0.11 ~ 0.21 mm (0.0043 ~ 0.0083 in)	End gap	Oil : 0.030 ~ 0.064 mm (0.0012 ~ 0.0025 in)
Small end bush :			0.2 ~ 0.4 mm (0.008 ~ 0.016 in)
Inner diameter	22 $\begin{matrix} +0.014 \\ +0.003 \end{matrix}$ mm (0.8662 $\begin{matrix} +0.0006 \\ +0.0001 \end{matrix}$ in)	Piston pin :	
Outer diameter	25 $\begin{matrix} +0.056 \\ +0.035 \end{matrix}$ mm (0.9843 $\begin{matrix} +0.0022 \\ +0.0014 \end{matrix}$ in)	Diameter	22 - 0.007 mm - 0.016 mm (0.8662 $\begin{matrix} -0.0003 \\ -0.0006 \end{matrix}$ in)
Bore in connecting rod	25 $\begin{matrix} +0.021 \\ -0.012 \end{matrix}$ mm (0.9843 $\begin{matrix} +0.0008 \\ -0.0005 \end{matrix}$ in)	Length	64.5 ± 0.05 mm (2.5394 ± 0.0020 in)
Piston pin and bush clearance	0.01 ~ 0.03 mm (0.0004 ~ 0.0012 in)	Clearance between piston and pin	- 0.005 ~ 0.014 mm (- 0.0002 ~ 0.0006 in)
Connecting rod bearing :		Crankshaft :	
Material	Aluminum	Main journal diameter	Green : 62.940 ~ 62.948 mm (2.4780 ~ 2.4783 in)
Bearing clearance	0.027 ~ 0.077 mm (0.0011 ~ 0.0030 in)		Brown : 62.948 ~ 62.955 mm (2.4783 ~ 2.4786 in)
Available undersize bearing	0.25, 0.50, 0.75 mm (0.0098, 0.0197, 0.0295 in)	Crankpin diameter	53 $\begin{matrix} -0.045 \\ -0.060 \end{matrix}$ mm (2.0866 $\begin{matrix} -0.0018 \\ -0.0024 \end{matrix}$ in)
Piston :		Crankshaft end play	0.080 ~ 0.242 mm (0.0031 ~ 0.0095 in)
Type	Conical elliptic, slit skirt	Permissible run-out of crankshaft	0.03 mm (0.0012 in)
Material	Aluminum alloy	Main bearing :	
Diameter (At 90 degrees to the pin bore axis and 17 mm (0.67 in) below the ring groove)	Mark A : 77.945 $\begin{matrix} +0.010 \\ +0.004 \end{matrix}$ mm (3.0687 $\begin{matrix} +0.0004 \\ +0.0002 \end{matrix}$ in) No mark : 77.945 ± 0.004 mm (3.0687 ± 0.0002 in) Mark C : 77.945 $\begin{matrix} -0.004 \\ -0.010 \end{matrix}$ mm (3.0687 $\begin{matrix} -0.0002 \\ -0.0004 \end{matrix}$ in)	Material	Aluminum
Piston pin hole bore	22 $\begin{matrix} -0.002 \\ -0.012 \end{matrix}$ mm (0.8662 $\begin{matrix} -0.0001 \\ -0.0005 \end{matrix}$ in)	Bearing clearance :	
Ring groove width	Top : 1.5 $\begin{matrix} +0.040 \\ +0.025 \end{matrix}$ mm (0.0591 $\begin{matrix} +0.0016 \\ +0.0010 \end{matrix}$ in)	Bearing housing : Brown	0.032 ~ 0.059 mm (0.0013 ~ 0.0023 in)
		Main journal : Green	
		Bearing : Green	

<p>2. { Bearing housing : Brown Main journal : Brown Bearing : Yellow</p> <p>3. { Bearing housing : Green Main journal : Green Bearing : Brown</p> <p>4. { Bearing housing : Green Main journal : Brown Bearing : Green</p> <p>Available undersize bearing</p> <p>Cylinder block : Material Bore</p> <p>Boring size</p>	<p>0.035 ~ 0.061 mm (0.0014 ~ 0.0024 in)</p> <p>0.031 ~ 0.059 mm (0.0012 ~ 0.0023 in)</p> <p>0.034 ~ 0.061 mm (0.0013 ~ 0.0024 in)</p> <p>0.25, 0.50, 0.75 mm (0.0098, 0.0197, 0.295 in)</p> <p>Special cast iron</p> <p>Mark A : 78 <math>^{+0.019}_{+0.013}</math> mm (3.0709 <math>^{+0.0007}_{+0.0005}</math> in)</p> <p>No mark : 78 <math>^{+0.013}_{+0.006}</math> mm (3.0709 <math>^{+0.0005}_{+0.0002}</math> in)</p> <p>Mark C : 78 <math>^{+0.006}_{-0}</math> mm (3.0709 <math>^{+0.0002}_{-0}</math> in)</p> <p>0.25, 0.50, 0.75, 1.00 mm (0.0098, 0.0197, 0.0295, 0.0394 in)</p>	<h3>Cooling system</h3>	
<h3>Lubricating system</h3>		<p>Water pump :</p> <p>Type Centrifugal</p> <p>Feeding capacity 45 liter/min (11.9 U.S. gal/min, 9.9 Imp. gal/min) at 2,000 rpm</p> <p>Pump driven by "V" belt</p> <p>Angle of "V" 35°</p> <p>Fan :</p> <p>Fan diameter 330 mm (13.0 in)</p> <p>Number of blades 4</p> <p>Ratio of crankshaft and fan 1 : 0.9</p> <p>Thermostat :</p> <p>Type Wax pellet</p> <p>Starts to open 82°C (180°F)</p> <p>Fully opens 95°C (203°F)</p> <p>Lift 8 mm (0.315 in)</p> <p>Radiator :</p> <p>Type Corrugated fin</p> <p>Core area 4.2 m<sup>2</sup> (45.2 ft<sup>2</sup>)</p> <p>Cooling capacity :</p> <p>With heater 7.0 liters (14.8 U.S. pints, 12.3 Imp. pints)</p> <p>Without heater 6.5 liters (13.7 U.S. pints, 11.4 Imp. pints)</p>	
<p>Oil pump :</p> <p>Type</p> <p>Feeding capacity</p> <p>Oil pump driven by</p> <p>Number of chain links</p> <p>Number of sprocket teeth</p> <p>Outer rotor and body clearance</p> <p>Rotor end float</p> <p>Oil pressure :</p> <p>Normal</p> <p>Warning lamp lights</p> <p>Oil filter :</p> <p>Type</p> <p>Relief valve opens</p> <p>Lubricant :</p> <p>30°C or over (85°F or over)</p> <p>15°C ~ 30°C (60°F ~ 85°F)</p> <p>0°C ~ 15°C (32°F ~ 60°F)</p> <p>-10°C ~ 15°C (15°F ~ 60°F)</p> <p>-10°C ~ 40°C (15°F ~ 100°F)</p> <p>-18°C ~ 0°C (0°F ~ 32°F)</p> <p>-18°C ~ 30°C (0°F ~ 85°F)</p> <p>Below -18°C (Below 0°F)</p> <p>Oil capacity</p>	<p>Rotor</p> <p>13 liter/min (3.4 U.S. gal/min, 2.9 Imp. gal/min) at 2,000 rpm (Engine revolution)</p> <p>Chain via crankshaft</p> <p>46</p> <p>33</p> <p>0.14 ~ 0.25 mm (0.006 ~ 0.010 in)</p> <p>0.04 ~ 0.10 mm (0.002 ~ 0.004 in)</p> <p>3.5 ~ 4.5 kg/cm<sup>2</sup> (50 ~ 64 lb/in<sup>2</sup>) at 3,000 rpm (Engine revolution)</p> <p>Below 0.3 kg/cm<sup>2</sup> (4.3 lb/in<sup>2</sup>)</p> <p>Full flow</p> <p>0.8 ~ 1.0 kg/cm<sup>2</sup> (11.4 ~ 14.2 lb/in<sup>2</sup>)</p> <p>SAE 40</p> <p>SAE 30</p> <p>SAE 20</p> <p>SAE 20W-20</p> <p>SAE 20W-40</p> <p>SAE 10W</p> <p>SAE 10W-30</p> <p>SAE 5W-20</p> <p>3.6 liters (7.6 U.S. pints, 6.3 Imp. pints)</p>	<h3>Fuel system</h3>	
		<p>Fuel tank capacity 50 liters (13.2 U. S. gallons, 11.0 Imp. gallons)</p> <p>Fuel pump :</p> <p>Type Electrical</p> <p>Fuel pressure 0.20 ~ 0.25 kg/cm<sup>2</sup> (2.8 ~ 3.6 lb/in<sup>2</sup>)</p> <p>Fuel feeding capacity 1,000 cc/min (2.1 U.S. pints, 1.8 Imp. pints)</p> <p>Fuel filter :</p> <p>Type Paper element</p> <p>Carburetor :</p> <p>Type Stromberg</p> <p>Throat diameter Primary : 28 mm (1.1024 in) Secondary : 32mm(1.2599 in)</p> <p>Venturi diameter Primary : 23 x 14 x 8 mm (0.9055 x 0.5512 x 0.3150 in) Secondary : 28 x 14 x 7 mm (1.1024 x 0.5512 x 0.2756 in)</p> <p>Main nozzle Primary : 2.1 mm (0.0828 in) Secondary : 2.5 mm (0.0984 in)</p> <p>Main jet Primary : 1.06 mm (0.0417 in) Secondary : 1.60 mm (0.0630 in)</p> <p>Main air bleed Primary : 0.5 mm (0.0197 in) Secondary : 0.7 mm (0.0276 in)</p> <p>Slow jet Primary : 0.46 mm (0.0181 in) Secondary : 0.8 mm (0.0315 in)</p> <p>Slow air bleed Primary : 1.4 x 1.6 mm (0.0551 x 0.0630 in) Secondary : 1.3 mm (0.0512 in)</p> <p>Power jet 0.7 mm (0.0276 in)</p> <p>Acceleration pump diameter 14.0 mm (0.5512 in)</p> <p>Acceleration pump capacity 0.6 cc 0.8 cc</p> <p>Idle speed 600 rpm</p>	

Electrical system		Spark plug:	
Battery :		Type	NGK BP-6ES or NIPPONDENSO W20 EP
Type	NS50Z	Thread	14 mm
Voltage	12 volt	Spark plug gap	0.8 mm (0.032 in)
Capacity	60 amp. hr (20 hour rate)	Bulbs :	
Terminal ground	Negative	Head lamp	50W/40W or 45W/40W
Specific gravity	Fully charged : 1.26 Recharge at : 1.20	Side and front turn signal lamp	5W/21W
Generator :		Rear combination lamp	Turn signal lamp : 21W Stop and tail lamp : 21/5W Reverse lamp : 10W
Type	Alternator	Licence lamp	10W
Ground polarity	Negative	Side marker lamp	3.4W
Rotation (Viewed from front)	Right	Interior lamp	5W
No load test	Voltage : 14 volt Current : 0 amp. Revolution : 1,050 rpm or less	Instrument panel	Illumination lamp : 3W Oil pressure warning lamp : 3W
Load test	Voltage : 14 volt Current : 32 amp. Revolution : 2,500rpm or less		High beam pilot lamp : 3W Turn signal pilot lamp : 3W
Brush	2	<b>Clutch</b>	
Brush spring tension	360 gr (0.8 lb)	Type	Single dry plate
Pulley ratio	1 : 2.2	Spring	Diaphragm spring
Regulator :		Pressure plate :	
Constant voltage relay	Air gap : 0.7 ~ 1.1 mm (0.028 ~ 0.043 in) Point gap : 0.3 ~ 0.4 mm (0.012 ~ 0.016 in) Back gap : 0.7 ~ 1.1 mm (0.028 ~ 0.043 in)	Inner diameter	126 mm (4.96 in)
Regulated voltage (No load)	14 ± 0.5 volt (Alternator speed 4,000 rpm)	Outer diameter	203 mm (7.99 in)
Pilot lamp relay	Air gap : 0.9 ~ 1.2 mm (0.035 ~ 0.047 in) Point gap : 0.7 ~ 1.1 mm (0.028 ~ 0.043 in) Back gap : 0.7 ~ 1.1 mm (0.028 ~ 0.043 in)	Facing :	
Pilot lamp lights on	3.5 volt or less	Inner diameter	130 mm (5.12 in)
Pilot lamp lights out	3.7 ~ 5.7 volt	Outer diameter	200 mm (7.87 in)
Starting motor :		Thickness (Single plate)	3.5 mm (0.138 in)
Capacity	0.8 kw	Permissible lateral run-out of clutch disk	1.0 mm (0.039 in)
Brush	4	Release fork free play	3.0 mm (0.12 in)
Brush spring tension	1.2 kg (2.6 lb)	Pedal free travel	20 ~ 30 mm (0.8 ~ 1.2 in)
Lock test	Voltage : 7.5 volt Current : 560 amp. or less Torque : 1.3 m-kg (9.4 ft-lb) or more	Master cylinder bore	15.87 mm (5/8 in)
Free running test	Voltage : 11.5 volt Current : 60 amp. or less Speed : 6,000 rpm or more	Release cylinder bore	17.46 mm (11/16 in)
Control switch	Solenoid	Permissible clearance of piston and cylinder bore	0.15 mm (0.0059 in)
Voltage required to close solenoid contacts	9.0 volt or less	<b>Transmission</b>	
Distributor :		Type	Four-forward speed and one reverse speed, with synchromesh for all forward and sliding mesh for reverse
Driven by	Camshaft	Shift lever location	Floor or steering column
Contact point gap	0.5 mm (0.020 in)	Gear ratio :	
Contact point pressure	500 ~ 650 gr (1.1 ~ 1.4 lb)	First	3.403
Cam angle	49 ~ 55°	Second	2.005
Centrifugal advance	Starts : 0° at 600 rpm Maximum : 11° at 2,000 rpm	Third	1.373
Vacuum advance	Starts : 0° at 160 mm-Hg Maximum : 8.5° at 260 mm-Hg	Top	1.000
Condenser capacity	0.20 ~ 0.24 μF	Reverse	3.665
Firing order	1-3-4-2	Lubricant	
Ignition timing	8° before top dead center	Above - 18° C (0° F)	EP. SAE 90
Mark location	Crankshaft pulley	Below - 18° C (0° F)	EP. SAE 80
		Oil capacity	1.4 liters (3.0 U.S. pints, 2.5 Imp. pints)
		<b>Propeller shaft</b>	
		Length	1,116 mm (43.94 in)
		Outer diameter	75.0 mm (2.953 in)
		Permissible run-out	0.4 mm (0.016 in)
		Permissible unbalance	15 cm-gr (0.21 in-oz) at 4,000 rpm
		Spider diameter	14.72 mm (0.5795 in)

<b>Rear axle</b>		Maximum allowable lateral run-out of brake disk	0.06 mm (0.0024 in)
Type	Semi-floating, hypoid gears	Lining material	F 50
Reduction ratio	3.700	Thickness of lining and shoe	14 mm (0.551 in)
Number of teeth	37 : 10	Minimum allowable thickness of lining and shoe	8 mm (0.315 in)
Lubricant :		Rear brake :	
Above -18°C (0°F)	HP. SAE 90	Type	Drum type with leading and trailing
Below -18°C (0°F)	HP. SAE 80	Drum diameter	200 mm (7.8741 in)
Oil capacity	1.2 liters (2.5 U.S. pints 2.1 Imp. pints)	Lining material	D-852
Free play of axle shaft	0 ~ 0.1 mm (0 ~ 0.004 in)	Wheel cylinder bore	19.05 mm (3/4 in)
Permissible deflection of ring gear	0.1 mm or less (0.0039 in or less)	Parking brake :	
Mounting distance	90 ± 0.025 mm (3.5434 ± 0.0010 in)	Type	Mechanical internal expansion
Drive pinion bearing preload	9 ~ 14 cm·kg (7.8 ~ 12.2 in·lb)	Operates at	Rear wheels
Backlash between ring gear and drive pinion	0.17 ~ 0.19 mm (0.0067 ~ 0.0075 in)	<b>Wheels and tires</b>	
Backlash between side gear and pinion	0.1 mm or less (0.004 in or less)	Wheel type :	
		Front	4J x 13WDC
		Rear	4J x 13WDC
		Tire :	
		Front	6.15S13-4PR or 155SR 13
		Rear	6.15S13-4PR or 155SR 13
		Tube :	
		Front	6.15-13 or 155SR 13
		Rear	6.15-13 or 155SR 13
		Inflation pressure :	
		Less than 100 km/h (60 mile/h)	1.5 kg/cm <sup>2</sup> (21 lb/in <sup>2</sup> )
		More than 100 km/h (60 mile/h)	1.7 kg/cm <sup>2</sup> (24 lb/in <sup>2</sup> )
<b>Steering</b>		<b>Front suspension</b>	
Type	Recirculating ball nut	Type	Strut
Reduction ratio	17 ~ 19 : 1	Spring constant	1.85 ± 0.129 kg/mm (103.5 ± 7.2 lb/in)
Free play of steering wheel	10 ~ 30 mm (0.4 ~ 1.2 in)	Spring pressure—When spring is compressed to 194 mm (7.64 in) :	
Maximum steering angle :		1 dot	281 ~ 289 kg (619 ~ 637 lb)
Inner wheel	43°	2 dots	289 ~ 296 kg (637 ~ 653 lb)
Outer wheel	31°	3 dots	296 ~ 304 kg (653 ~ 670 lb)
Lubricant	EP. SAE 90	Wire diameter	11.5 mm (0.45 in)
Oil capacity	250 cc (0.5 U.S. pint 0.4 Imp. pint)	Coil diameter	121.5 mm (4.78 in)
Backlash between rack and sector gear	0	Free length	352 mm (13.86 in)
Worm bearing preload	1.0 ~ 4.0 cm·kg (0.9 ~ 3.5 in·lb)	Shock absorber	Hydraulic double action
End clearance of sector shaft	0.02 ~ 0.08 mm (0.001 ~ 0.003 in)	<b>Rear suspension</b>	
Steering geometry — Sedan :		Type	4 link and lateral rod
King pin inclination	9° 14'	Spring constant	2.22 ± 0.16 kg/mm (124.2 ± 9.2 lb/in)
Camber	- 0° 14'	Spring pressure—When spring is compressed to 247 mm (9.72 in) :	
Caster	0° 47'	1 dot	263.4 ~ 271 kg (581 ~ 597 lb)
Toe-in	- 4 ~ 2 mm (-0.16 ~ 0.08 in)	2 dots	271 ~ 279 kg (597 ~ 615 lb)
Caster trail	3 mm (0.12 in)	3 dots	279 ~ 286.6 kg (615 ~ 632 lb)
Steering geometry — Coupe :		Wire diameter	10.8 mm (0.43 in)
King pin inclination	9° 15'	Coil outer diameter	100.8 mm (3.97 in)
Camber	- 0° 15'	Free length	371 mm (14.61 in)
Caster	1° 03'	Shock absorber	De carbon
Toe-in	- 4 ~ 2 mm (-0.16 ~ 0.08 in)	<b>Weights and dimensions (Sedan)</b>	
Caster trail	5 mm (0.20 mm)	Overall length	4,150 mm (163 in)
<b>Brakes</b>			
Pedal free travel	5 ~ 15 mm (0.2 ~ 0.6 in)		
Master cylinder :			
Type	Tandem master cylinder		
Bore	22.22 mm (7/8 in)		
Permissible clearance of piston and bore	0.15 mm (0.0059 in)		
Power brake unit :			
Type	Bendix		
Power cylinder diameter	152.4 mm (6.0001 in)		
Power cylinder stroke	35 mm (1.38 in)		
Front brake :			
Type	Bendix type disk brake		
Brake disk outer diameter	230 mm (9.055 in)		
Thickness of brake disk	12 mm (0.4724 in)		

Overall width	1,580 mm (62 in)	<b>Weights and dimensions (Coupe)</b>	
Overall height	1,420 mm (56 in)	Overall length	4,150 mm (163 in)
Wheel base	2,470 mm (97 in)	Overall width	1,580 mm (62 in)
Tread :		Overall height	1,395 mm (55 in)
Front	1,285 mm (51 in)	Wheel base	2,470 mm (97 in)
Rear	1,280 mm (50 in)	Tread :	
Minimum turning radius	4,700 mm (15 ft 5 in)	Front	1,285 mm (51 in)
Road clearance	160 mm (6 in)	Rear	1,280 mm (50 in)
Overhang :		Minimum turning radius	4,700 mm (15 ft 5 in)
Front	645 mm (25 in)	Road clearance	160 mm (6 in)
Rear	980 mm (39 in)	Overhang :	
Car weight (no load)	915 kg (2,015 lb)	Front	645 mm (25 in)
Car weight (with load)	1,190 kg (2,625 lb)	Rear	980 mm (39 in)
		Car weight (no load)	910 kg (2,010 lb)
		Car weight (with load)	1,185 kg (2,612 lb)

**TIGHTENING TORQUE LIST**

	m-kg	ft-lb		m-kg	ft-lb
<b>Engine :</b>			Steering gear housing	5.0	40
Main bearing cap	8.5	60	Pitman arm	15.0	110
Connecting rod cap	4.5	30	Idler arm	5.0	40
Cylinder head	8.0	60	Steering joint	1.5	10
Oil pump sprocket	3.5	25	<b>Brake :</b>		
Crankshaft pulley	14.5	105	Caliper bracket	5.5	40
Camshaft sprocket	7.5	55	Front backing plate	4.0	30
Distributor drive gear	7.5	55	Front hub attaching bolt	5.0	40
<b>Clutch :</b>			Rear backing plate	2.5	20
Flywheel	16.0	120	Master cylinder joint bolt	6.5	50
Clutch cover	2.0	15	Master cylinder set bolt	0.2	1.0
Master cylinder reservoir	2.5	20	<b>Wheel :</b>		
<b>Transmission :</b>			Wheel bolt	9.5	70
Shift fork locking bolt	1.0	10	<b>Suspension :</b>		
Transmission case :			Suspension arm	8.0	60
8 mm bolt	2.5	20	Arm ball joint	6.5	50
10 mm bolt	3.5	25	Stabilizer	9.0	65
<b>Propeller shaft :</b>			Front damper cap nut	5.5	40
Yoke attaching bolt	3.0	20	Front damper piston	1.5	10
<b>Rear axle :</b>			Front damper base valve	0.15	1.0
Companion flange	15.0	110	Rear suspension link	11.0	80
Ring gear	5.0	40	<b>Standard bolts :</b>		
Bearing cap	4.0	30	6 mm P=1.0	0.8	5
Drain plug	2.0	15	8 mm P=1.25	2.0	15
<b>Steering :</b>			10 mm P=1.25	4.0	30
Tie rod ball joint	3.0	20	12 mm P=1.5	7.0	50
Tie rod lock nut	7.5	55	14 mm P=1.5	9.0	65