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## TECHNICAL DATA

ENGINE		Oil seal	
Displacement	573 cc (35.0 cu-in) x 2 rotors	Height	5.6 mm (0.2205 in)
Compression ratio	9.4 : 1	Contact width of oil seal lip	Less than 0.5 mm (0.020 in)
Compression pressure		Oil seal protrusion	More than 0.5 mm (0.020 in)
Limit	6.0 kg/cm <sup>2</sup> (85 lb/in <sup>2</sup> ) at 250 rpm	Corner seal	
Max. permissible difference between chambers	1.5 kg/cm <sup>2</sup> (21 lb/in <sup>2</sup> )	Outer diameter	11.0 mm (0.4331 in)
Port timing		Height	7.0 mm (0.2756 in)
Intake opens	32° ATDC	Corner seal protrusion	More than 0.5 mm (0.020 in)
Intake closes	40° ABDC	Main bearing clearance	
Exhaust opens	75° BBDC	Standard	0.04 ~ 0.08 mm (0.0016 ~ 0.0031 in)
Exhaust closes	38° ATDC	Wear limit	0.10 mm (0.0039 in)
Side housings (Front, intermediate and rear housings)		Rotor bearing clearance	
Width standard		Standard	0.04 ~ 0.08 mm (0.0016 ~ 0.0031 in)
Front	40 mm (1.575 in)	Wear limit	0.10 mm (0.0039 in)
Intermediate	50 mm (1.969 in)	Eccentric shaft	
Rear	60 mm (2.362 in)	Eccentricity of rotor journal	15.0 mm (0.5906 in)
Limit of distortion	0.04 mm (0.0016 in)	Main journal diameter	43 mm (1.6929 in)
Limit of wear		Rotor journal diameter	74 mm (2.9134 in)
Sliding surface	0.10 mm (0.0039 in)	Max. permissible run-out	0.06 mm (0.0024 in)
Rotor housing		End play	
Width	70 mm (2.7559 in)	Standard	0.04 ~ 0.07 mm (0.0016 ~ 0.0028 in)
Max. permissible difference in width	0.06 mm (0.0024 in)	Limit	0.09 mm (0.0035 in)
Rotor		Alternator belt tension (slack)	
Width	69.8 mm (2.748 in)	(Between alternator and eccentric shaft pulleys)	Belt deflection
Clearance of side housing and rotor (ΔR)			15 ± 2 mm (0.59 ± 0.08 in)
Standard	0.12 ~ 0.18 mm (0.0047 ~ 0.0071 in)	Air pump belt tension (slack)	
Limit	0.10 mm (0.004 in)	(Between air pump and water pump pullys)	Belt deflection
Apex seal			12 ± 1 mm (0.47 ± 0.04 in)
Length	69.8 mm (2.748 in)	<b>LUBRICATING SYSTEM</b>	
Width	3.0 mm (0.1181 in)	Oil pump	
Height		Type	Rotor
Standard	8.5 mm (0.3347 in)	Feeding capacity at 1,000 rpm of engine	5.0 liters/min. (5.3 U.S. quarts/min.) (4.4 Imp. quarts/min.)
Limit	7.0 mm (0.2756 in)	Oil pump driven by	Chain and sprockets
Clearance of apex seal and rotor groove (ΔG)		Limit of chain slack	12 mm (0.47 in)
Standard	0.05 ~ 0.09 mm (0.0020 ~ 0.0035 in)	Outer rotor and body clearance	
Limit	0.15 mm (0.0059 in)	Standard	0.20 ~ 0.25 mm (0.0079 ~ 0.0098 in)
Apex seal spring		Wear limit	0.30 mm (0.0118 in)
Free height		Clearance between rotor lobes	
Standard	6.9 mm (0.2717 in) or more	Standard	0.01 ~ 0.09 mm (0.0004 ~ 0.0035 in)
Limit	5.5 mm (0.2165 in)	Wear limit	0.15 mm (0.0059 in)
Side seal		Rotor end float	
Thickness	1.0 mm (0.0394 in)	Standard	0.03 ~ 0.13 mm (0.0012 ~ 0.0051 in)
Height	3.5 mm (0.1378 in)	Wear limit	0.15 mm (0.0059 in)
Clearance of side seal and rotor groove (ΔW)		Oil pressure at 3,000 rpm of engine	4.5 ~ 5.5 kg/cm <sup>2</sup> (64 ~ 78 lb/in <sup>2</sup> )
Standard	0.03 ~ 0.08 mm (0.0012 ~ 0.0031 in)		
Limit	0.10 mm (0.0039 in)		
Clearance of side seal and corner seal (ΔE)			
Standard	0.05 ~ 0.15 mm (0.0020 ~ 0.0059 in)		
Limit	0.40 mm (0.0157 in)		
Side seal protrusion	More than 0.5 mm (0.0197 in)		

<p>Oil pressure at idle speed of engine Pressure regulator valve (Rear housing) Operating pressure</p> <p>Free length of spring Pressure control valve (Front cover) Operating pressure Free length of spring By-pass valve (Oil cooler) Starts to close Fully closes Opening pressure</p> <p>Oil filter Type Relief valve opens at</p> <p>Oil metering pump Feeding capacity of 2,000 rpm of engine Lubricant Classification Above -10°C (15°F) -25°C ~ 30°C (-13°F ~ 86°F) Above -25°C (-13°F) Below -20°C (-4°F) Below 0°C (32°F)</p> <p>Oil capacity Full capacity</p> <p>Oil pan capacity</p>	<p>0.7 ~ 1.8 kg/cm<sup>2</sup> (10 ~ 26 lb/in<sup>2</sup>)</p> <p>5.0 kg/cm<sup>2</sup> (71.1 lb/in<sup>2</sup>) at 3,000 rpm of engine 46.4 mm (1.8267 in)</p> <p>11.0 kg/cm<sup>2</sup> (156 lb/in<sup>2</sup>) 73.0 mm (2.874 in)</p> <p>50 ~ 55°C (122 ~ 131°F) 60 ~ 65°C (140 ~ 149°F) 3.56 kg/cm<sup>2</sup> at 60°C (50.6 lb/in<sup>2</sup> at 140°F)</p> <p>Full flow, cartridge 0.8 ~ 1.2 kg/cm<sup>2</sup> (11 ~ 17 lb/in<sup>2</sup>)</p> <p>A.P.I. Service SD or SE SAE 20W-40 or 20W-50 SAE 10W-30</p> <p>SAE 10W-40 or 10W-50 SAE 5W-20 SAE 5W-30</p> <p>5.2 liters 5.5 U.S. quarts 4.6 Imp. quarts</p> <p>4.2 liters 4.4 U.S. quarts 3.7 Imp. quarts</p>	<p>Cooling capacity With heater Without heater</p>	<p>9.5 liters (10 U.S. quarts) (8.4 Imp. quarts)</p> <p>8.5 liters (9.0 U.S. quarts) (7.5 Imp. quarts)</p>										
<b>FUEL SYSTEM</b>													
		<p>Fuel tank capacity</p> <p>Fuel pump Type Fuel pressure Feeding capacity</p> <p>Fuel filter Carburetor Type Throat diameter Primary Secondary Venturi diameter Primary Secondary</p>	<p>63 liters (16.4 U.S. gal) (13.9 Imp. gal)</p> <p>Electrical, plunger 0.26 ~ 0.33 kg/cm<sup>2</sup> (3.70 ~ 4.70 lb/in<sup>2</sup>) More than 1,100 cc/min. (1.16 U.S. quarts/min.) (0.97 Imp. quarts/min.) Cartridge, paper element</p> <p>Down draft, 2 stage 4 barrel</p> <p>28 mm (1.10 in) 34 mm (1.34 in)</p> <p>20 X 13 X 6.5 mm (0.79 X 0.51 X 0.26 in) 28 X 10 mm (1.10 X 0.39 in)</p>										
			<table border="1"> <thead> <tr> <th data-bbox="1219 974 1382 1038">Manual transmission</th> <th data-bbox="1382 974 1520 1038">Automatic transmission</th> </tr> </thead> <tbody> <tr> <td data-bbox="1219 1038 1382 1102">#92 #160</td> <td data-bbox="1382 1038 1520 1102">#91 #160</td> </tr> <tr> <td data-bbox="1219 1102 1382 1166">#70 #140</td> <td data-bbox="1382 1102 1520 1166">#60 #140</td> </tr> <tr> <td data-bbox="1219 1166 1382 1229">#46 #110</td> <td data-bbox="1382 1166 1520 1229">#46 #110</td> </tr> <tr> <td data-bbox="1219 1229 1382 1293">#70 #180 #160 #60</td> <td data-bbox="1382 1229 1520 1293">#70 #160 #160 #60</td> </tr> </tbody> </table>	Manual transmission	Automatic transmission	#92 #160	#91 #160	#70 #140	#60 #140	#46 #110	#46 #110	#70 #180 #160 #60	#70 #160 #160 #60
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<b>COOLING SYSTEM</b>		<p>Main jet Primary Secondary</p> <p>Main air bleed Primary Secondary</p> <p>Slow jet Primary Secondary</p> <p>Slow air bleed Primary No. 1 No. 2 Secondary No. 1 No. 2</p> <p>Vacuum jet Primary</p> <p>Fast idle adjustment (Clearance between primary throttle valve and bore when choke knob is fully pulled) Float level (from surface of gasket) Float drop (from surface of gasket)</p> <p>Idle speed Manual transmission Automatic transmission ("D" range) Sub-zero starting assist fluid</p>	<p>1.8 mm (0.0709 in)      1.8 mm (0.0709 in)</p> <p>0.8 ~ 1.0 mm (0.031 ~ 0.039 in)</p> <p>16.0 ± 0.5 mm (0.63 ± 0.020 in) 51 ± 0.5 mm (2.0 ± 0.02 in)</p> <p>750 rpm 750 rpm</p> <p>Anti-freeze 90% Water 10%</p>										
<p>Water pump Type Feeding capacity at 6,500 rpm of engine</p> <p>Pump driven by Pulley ratio of eccentric shaft and pump</p> <p>Fan Fan diameter Number of fan blades</p> <p>Fan drive Standard revolution of fan</p> <p>Thermostat Type Starts to open Fully opens at Lift</p> <p>Radiator Type Pressure cap opens at</p>	<p>Centrifugal impeller 150 ~ 160 liters/min (39.6 ~ 42.3 U.S. gal/min.) (33.0 ~ 35.2 Imp. gal/min.)</p> <p>"V" belt 1 : 1.18</p> <p>410 mm (16.1 in) 7</p> <p>Less than 800 rpm at 4,200 rpm of engine</p> <p>Wax pellet 82 ± 1.5°C (180 ± 2.7°F) 95°C (203°F) 8 ~ 10 mm (0.3 ~ 0.4 in)</p> <p>Corrugated fin, with expansion tank 0.9 ± 0.15 kg/cm<sup>2</sup> (13.0 ± 2 lb/in<sup>2</sup>)</p>												

ELECTRICAL SYSTEM		Ignition coil (Leading)	
<b>Battery</b> Type California Except for California Manual transmission Automatic transmission Capacity (20hour rate)  Voltage Terminal ground Specific gravity at 20°C (68°F) Fully charged Recharged at  Distributor Air gap  Centrifugal advance Leading  Trailing  Vacuum advance Leading  Trailing  Condenser capacity Firing order Ignition timing Leading Trailing Timing mark location Spark plug Type  Initial gap  <b>Alternator</b> Ground Rated output Number of poles Load test Voltage Current Revolution Number of brushes Brush length Wear limit Brush spring pressure Pulley ratio of eccentric shaft and alternator	G60-5, Y60-5  G60-5, Y60-5, NS70S NS70S 55 amp. NS70S 45 amp. G60-5, Y60-5 12 Volt Negative  G60-5, Y60-5      NS70S 1.260              1.280 1.200              1.220  0.5 ~ 0.9 mm (0.020 ~ 0.035 in)  Starts: 0° at 500 rpm Maximum: 10° at 1,750 rpm  Starts: 0° at 500 rpm Maximum: 10° at 1,750 rpm  Starts: 0° at -100 mm-Hg Maximum: 7.5° at -250 mm-Hg  Starts: 0° at -100 mm-Hg Maximum: 15° at -400 mm-Hg  0.24 ~ 0.30 μF 1-2  0° ATDC 20° ATDC Eccentric shaft pulley  NGK: BR7EQ14, BR8EQ14 BR9EQ14 NIPPON DENSO W22EDR14 W25EDR14 W27EDR14  1.4 ± 0.05 mm (0.055 ± 0.002 in)  Negative 12V 50A 12  13.5V 39 amp. Less than 2,500 rpm 2 18 mm (0.71 in) 8 mm (0.31 in) 315 ~ 426 gr (11 ~ 15 oz) 1 : 2.08	Type Primary resistance Ignition coil (Trailing) Type Primary resistance	LB-84 or FTC-3 0.9 ± 0.09 Ω at 20°C (68°F)  LB-84 or FTC-3 0.9 ± 0.09 Ω at 20°C (68°F)
		Starting motor Capacity Lock test Voltage Current  Torque  Free running test Voltage Current  Speed  Number of brushes Brush length  Wear limit  Brush spring pressure  Control switch Voltage required to close solenoid contacts Undercutting mica  Clearance between armature shaft and bush  Armature shaft end play  Clearance between pinion and stop collar	Manual transmission  Automatic transmission  1.2KW              2.0KW  5.0 volt            4.0 volt Less than          Less than 600 amp.           1,100 amp. 0.96 m-kg        3.1 m-kg (6.9 ft-lb)        (22.4 ft-lb)  11.5 volt          11.5 volt Less than          Less than 50 amp.            100 amp. More than          More than 5,600 rpm        3,500 rpm 4 18.5 mm           17 mm (0.73 in)          (0.67 in) 11.5 mm           11.5 mm (0.45 in)          (0.45 in) 1.4 ~ 1.8 kg      1.66 ~ 2.2 kg (49 ~ 63 oz)      (59 ~ 7.8 oz) Solenoid           Solenoid Less than          Less than 8 volt              8 volt 0.5 ~ 0.8 mm    0.5 ~ 0.8 mm (0.020 ~          (0.020 ~ 0.031 in)      0.031 in) Less than          0 mm 0.2 mm (0.008 in)        (0.008 in) 0.1 ~ 0.4 mm    0.1 ~ 0.4 mm (0.004 ~          (0.004 ~ 0.016 in)      0.016 in) 0.5 ~ 2.0 mm    0.5 ~ 2.0 mm (0.020 ~          (0.020 ~ 0.079 in)      0.079 in)
		CLUTCH	
		Clutch pedal Free play (at pedal pad)  Engagement height (from floor)	0.6 ~ 3.1 mm (0.024 ~ 0.122 in) More than 75 mm (2.95 in)

<b>Master cylinder</b> Bore Clearance between piston and bore Standard Limit Release cylinder Bore Clearance between piston and bore Standard Limit Clutch disc Thickness limit Rivet depth limit Lateral run-out limit Diaphragm Finger out of alignment Limit Finger groove wear depth Limit		15.87 mm (0.625 in) 0.032 ~ 0.102 mm (0.0013 ~ 0.0040 in) 0.15 mm (0.006 in) 19,05 mm (0.750 in) 0.040 ~ 0.125 mm (0,0016 ~ 0.0049 in) 0.15 mm (0.006 in) 7.0 mm (0.276 in) 0.3 mm (0.012 in) 1.0 mm (0.039 in) 1.0 mm (0.039 in) 1.0 mm (0.039 in) 1.0 mm (0.039 in)		<b>AUTOMATIC TRANSMISSION</b>		
<b>MANUAL TRANSMISSION</b>		Gear ratio Low Second Top Reverse Fluid type Fluid capacity Drive plate run-out Limit Oil pump Side play of inner gear and outer gear Limit Clearance between outer gear and crescent Limit Clearance between outer gear and housing Limit Side clearance between oil seal ring and groove on oil pump cover Front clutch Thickness of drive plate Limit Total clearance measured between retaining plate and snap ring End play of front clutch drum Rear clutch Thickness of drive plate Limit Total clearance measured between retaining plate and snap ring Low and reverse brake Thickness of friction plate Limit Total clearance measured between retaining plate and snap ring Gear assembly Total end play Planetary gear side play Limit Engine stall speed In break-in period After break-in period				
Gear ratio First Second Third Fourth Reverse Fifth Oil capacity Main shaft Max. permissible run-out Clearance between main shaft and gear (or bush) Wear limit Reverse idle gear Clearance between reverse idle gear bush and shaft Wear limit Shift fork and rod Clearance between shift fork and clutch sleeve Wear limit Clearance between shift rod gate and control lever Wear limit Synchronizer ring Clearance between synchronizer ring and side of gear when fitted Standard Wear limit Lubricant Above -18°C (0°F) Below -18°C (0°F)		3.674 2.217 1.432 1.000 3.542 0.825 1.7 liters   1.8 U.S. quarts 1.5 Imp quarts 0.03 mm (0.0012 in) 0.15 mm (0.006 in) 0.15 mm (0.006 in) 0.15 mm (0.006 in) 0.5 mm (0.020 in) 0.8 mm (0.031 in) 1.5 mm (0.059 in) 0.8 mm (0.031 in) A.P.I. Service GL-4 or GL-5 SAE90 A.P.I. Service GL-4 or GL-5 SAE80			2.458 1.458 1.000 2.181 M2C33F (Type F) 6.2 liters (6.6 U.S. quarts) (5.5 Imp. quarts) 0.5 mm (0.020 in) 0.08 mm (0.003 in) 0.25 mm (0.010 in) 0.25 mm (0.010 in) 0.04 ~ 0.16 mm (0.002 ~ 0.006 in) 1.4 mm (0.055 in) 1.6 ~ 1.8 mm (0.063 ~ 0.071 in) 0.5 ~ 0.8 mm (0.020 ~ 0.031 in) 1.4 mm (0.055 in) 0.8 ~ 1.5 mm (0.031 ~ 0.059 in) 1.8 mm (0.071 in) 0.8 ~ 1.05 mm (0.031 ~ 0.041 in) 0.25 ~ 0.50 mm (0.010 ~ 0.020 in) 0.8 mm (0.031 in) 2,300 ~ 2,550 rpm 2,350 ~ 2,600 rpm	
		Valve body spring Pressure regulator valve 1st-2nd shift valve 2nd-3rd shift valve		Wire diameter 1.20 ± 0.03 mm (0.047 ± 0.001 in) 0.55 ± 0.015 mm (0.022 ± 0.0006 in) 0.70 ± 0.015 mm (0.028 ± 0.0006 in)	Free length 43.0 ± 1.0 mm (1.69 ± 0.039 in) 32.0 ± 2.0 mm (1.260 ± 0.079 in) 41.0 ± 1.0 mm (1.61 ± 0.039 in)	

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<p>Backlash between rack and sector gear Worm bearing preload Without sector shaft and column bush With sector shaft and column bush Clearance between sector shaft and housing bush Wear limit End clearance of adjusting screw and sector shaft Lubricant Oil capacity  Max. Wheel angle on full lock Wheel on inside of curve Wheel on outside of curve Idler arm revolving torque  Knuckle arm ball stud revolving torque Steering geometry King pin inclination Camber Max. permissible difference in camber between sides Camber offset Caster  Max. permissible difference in caster between sides Caster trail Toe-in</p>	<p>Adjust to 0 mm  2 ~ 5 cm-kg (1.7 ~ 4.3 in-lb) 6 ~ 12 cm-kg (5.2 ~ 10.4 in-lb)  0.1 mm (0.004 in) 0 ~ 0.1 mm (0 ~ 0.004 in) A.P.I. Service GL-4 SAE 90 290 cc (0.31 U.S. quarts) (0.26 Imp. quarts)  39°40' ± 2° 32°14' ± 2° 2 ~ 6 kg/135 mm (4.4 ~ 13.2 lb/5.315 in) More than 0.4 kg (14 oz)  10°44' 1°00' ± 30' ± 30'  38 mm (1.50 in) Right-hand side 4°10' ± 30' Left-hand side 3°40' ± 30' ± 30'  20 mm (0.79 in) 0 ~ 6 mm (0 ~ 0.24 in)</p>	<p>Caliper cylinder bore Rear disc brake Thickness of brake disc Standard Limit Max. allowable lateral run-out of brake disc Thickness of lining Standard Thickness limit Caliper cylinder bore Rear drum brake Drum diameter Standard Limit Thickness of lining Standard Thickness limit Wheel cylinder bore Clearance between piston and bore Standard  Limit Remaining pressure Clearance between drum and lining  Parking brake Lever travel</p>	<p>50.80 mm (2.0 in)  10 mm (0.3937 in) 9 mm (0.3543 in)  0.1 mm (0.0039 in)  6 mm (0.2362 in) 1 mm (0.039 in) 34.93 mm (1.3752 in)  200 mm (7.8741 in) 201 mm (7.9135 in)  4.0 mm (0.1575 in) 1.0 mm (0.039 in) 19.05 mm (0.750 in)  0.040 ~ 0.125 mm (0.0016 ~ 0.0049 in) 0.15 mm (0.006 in) 0.5 ~ 1.0 kg/cm<sup>2</sup> (7.1 ~ 14.2 lb/in<sup>2</sup>) 0.1 ~ 0.15 mm (0.004 ~ 0.006 in)  6 ~ 8 notches at 10kg (22 lb)</p>				
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<b>BRAKES</b>		<table border="1"> <tr> <td data-bbox="922 1198 1214 1517"> <p>Wheel disc Front  Rear  Temporary spare tire Run-out limit Radial  Lateral</p> </td> <td data-bbox="1222 1198 1513 1517"> <p>5-J x 13 WDC 5½-JJ x 13 WDC (Aluminum) 5-J x 13 WDC 5½-JJ x 13 WDC (Aluminum) 4-T x 15  1.0 mm (0.04 in) 0.5 mm (0.020 in) Aluminum  1.0 mm (0.04 in) 0.5 mm (0.020 in) Aluminum</p> </td> </tr> <tr> <td data-bbox="922 1527 1214 1993"> <p>Tire Front  Rear  Temporary spare tire Inflation pressure Front Rear Temporary spare tire Run-out limit (with wheel disc) Radial Lateral Front wheel bearing preload (at wheel set bolt)</p> </td> <td data-bbox="1222 1527 1513 1993"> <p>185/70 HR 13 165 HR 13 185/70 HR 13 165 HR 13 T135/70 D 15  1.8 kg/cm<sup>2</sup> (26 psi) 1.8 kg/cm<sup>2</sup> (26 psi) 4.2 kg/cm<sup>2</sup> (60 psi)  2.5 mm (0.098 in) 3.0 mm (0.118 in) 0.45 ~ 0.65 kg (0.99 ~ 1.43 lb)</p> </td> </tr> </table>		<p>Wheel disc Front  Rear  Temporary spare tire Run-out limit Radial  Lateral</p>	<p>5-J x 13 WDC 5½-JJ x 13 WDC (Aluminum) 5-J x 13 WDC 5½-JJ x 13 WDC (Aluminum) 4-T x 15  1.0 mm (0.04 in) 0.5 mm (0.020 in) Aluminum  1.0 mm (0.04 in) 0.5 mm (0.020 in) Aluminum</p>	<p>Tire Front  Rear  Temporary spare tire Inflation pressure Front Rear Temporary spare tire Run-out limit (with wheel disc) Radial Lateral Front wheel bearing preload (at wheel set bolt)</p>	<p>185/70 HR 13 165 HR 13 185/70 HR 13 165 HR 13 T135/70 D 15  1.8 kg/cm<sup>2</sup> (26 psi) 1.8 kg/cm<sup>2</sup> (26 psi) 4.2 kg/cm<sup>2</sup> (60 psi)  2.5 mm (0.098 in) 3.0 mm (0.118 in) 0.45 ~ 0.65 kg (0.99 ~ 1.43 lb)</p>
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<p>Brake pedal free travel Before power brake piston operates  Brake pedal height (from floor) Master cylinder Bore Clearance between piston and bore Standard Wear limit Power brake unit Clearance between piston and push rod Front disc brake Thickness of brake disc Standard Limit Max. allowable lateral run-out of brake disc Thickness of lining Standard Thickness limit</p>	<p>7 ~ 9 mm (0.28 ~ 0.35 in)  190<sup>+5</sup><sub>-0</sub> mm (7.48<sup>+0.20</sup><sub>-0</sub> in) 20.64 mm (0.813 in)  0.040 ~ 0.125 mm (0.0016 ~ 0.0049 in) 0.15 mm (0.006 in)  0.1 ~ 0.5 mm (0.004 ~ 0.020 in)  18 mm (0.7087 in) 17 mm (0.6693 in) 0.1 mm (0.0039 in)  9 mm (0.3543 in) 1 mm (0.039 in)</p>						



SUSPENSION		TIGHTENING TORQUE		
Front coil spring			m-kg	ft-lb
Spring constant	2.16 ± 0.15 kg/mm			
Free length				
Standard	334.5 mm (13.17 in)			
Left				
Right	325 mm (12.80 in)			
Front shock absorber				
Fluid capacity	225 <sup>+5</sup> / <sub>-0</sub> cc (0.23 <sup>+0.05</sup> / <sub>-0</sub> U.S. quarts)			
Rear coil spring				
Spring constant	1.8 ± 0.13 kg/mm			
Free length				
Standard	323.5 mm (12.74 in)			
DIMENSION				
Overall length	4,285 mm (169 in)			
Overall width				
(Without side protector)	1,650 mm (65 in)			
(With side protector)	1,675 mm (66 in)			
Overall height	1,260 mm (50 in)			
Distance between wheel center and fender line				
Front	364 ± 20 mm (14.3 ± 0.8 in)			
Rear	358 ± 20 mm (14.0 ± 0.8 in)			
Wheel base	2,420 mm (95 in)			
Tread				
Front	1,420 mm (56 in)			
Rear	1,400 mm (55 in)			
Minimum road clearance	160 mm (6 in)			
Minimum turning radius	4.8 m (15ft 9 in)			
Seating capacity	2			
TIGHTENING TORQUE				
		m-kg		ft-lb
Engine				
Oil pump sprocket	3.2 ~ 4.7			23 ~ 34
Oil pan	0.8 ~ 1.1			6 ~ 8
Inlet manifold	1.9 ~ 2.6			14 ~ 19
Exhaust manifold	4.4 ~ 5.9			23 ~ 43
Spark plugs	1.3 ~ 1.8			9 ~ 13
Eccentric shaft pulley	10 ~ 12			72 ~ 87
Temperature gauge unit	0.7 ~ 0.8			5 ~ 6
Tension bolts	3.2 ~ 3.8			23 ~ 27
Water temperature switch	1.0 ~ 1.8			7 ~ 13
Clutch				
Flywheel	40.0 ~ 50.0			289 ~ 362
Clutch cover	1.8 ~ 2.7			13 ~ 20
Transmission				
Plug for interlock pin hole	1.0 ~ 1.5			7 ~ 11
Control lever to control rod end	0.8 ~ 1.2			6 ~ 9
Shift fork set bolts	1.2 ~ 1.6			9 ~ 12
Shift rod end		0.8 ~ 1.2		6 ~ 9
Main shaft lock nut		13.0 ~ 21.0		94 ~ 152
Top switch		2.5 ~ 3.5		18 ~ 25
Overdrive switch		2.5 ~ 3.5		18 ~ 25
Back-up light switch		2.5 ~ 3.5		18 ~ 25
Speedometer driven gear		0.8 ~ 1.1		6 ~ 8
Automatic transmission				
Drive plate to converter weight		4.2 ~ 6.3		30 ~ 46
Drive plate to torque converter		3.5 ~ 5.0		25 ~ 36
Converter housing to engine		3.2 ~ 4.7		23 ~ 34
Converter housing to transmission case		4.5 ~ 5.5		33 ~ 40
Extension housing to transmission case		2.0 ~ 2.5		14 ~ 18
Oil pan		0.5 ~ 0.7		3.6 ~ 5.1
Piston stem (when adjusting band brake)		1.2 ~ 1.5		9 ~ 11
Piston stem lock nut		1.5 ~ 4.0		11 ~ 29
Servo piston retainer		1.0 ~ 1.5		7 ~ 11
Servo cover		0.5 ~ 0.7		3.6 ~ 5.1
One-way clutch inner race		1.3 ~ 1.8		9 ~ 13
Control valve body to transmission case		0.55 ~ 0.75		4.0 ~ 5.4
Lower valve body to upper valve body		0.25 ~ 0.35		1.8 ~ 2.5
Side plate to control valve body		0.25 ~ 0.35		1.8 ~ 2.5
Reamer bolt of control valve body		0.5 ~ 0.7		3.6 ~ 5.1
Oil strainer		0.3 ~ 0.4		2.2 ~ 2.9
Governor valve body to oil distributor		0.5 ~ 0.7		3.6 ~ 5.1
Oil pump cover		0.6 ~ 0.8		4.3 ~ 5.8
Inhibitor switch		0.5 ~ 0.7		3.6 ~ 5.1
Manual shaft lock nut		3.0 ~ 4.0		22 ~ 29
Oil cooler pipe set bolt		1.6 ~ 2.4		12 ~ 17
Oil pressure test plug		0.5 ~ 1.0		3.6 ~ 7.2
Actuator for parking rod to extension housing		0.8 ~ 1.1		5.8 ~ 8.0
Propeller shaft				
Yoke to rear axle companion flange		3.5 ~ 3.8		25 ~ 27
Rear axle				
Ring gear		7.0 ~ 8.5		51 ~ 61
Differential side bearing caps		3.8 ~ 5.3		27 ~ 38
Companion flange to pinion		13 ~ 18		94 ~ 130
Steering				
Steering wheel nut		4.0 ~ 5.0		29 ~ 36
Steering gear housing to frame		4.4 ~ 5.5		32 ~ 40
Pitman arm to sector shaft		15 ~ 18		108 ~ 130
Idler arm bracket to frame		4.4 ~ 5.5		32 ~ 40
Idler arm to center link		2.5 ~ 3.5		18 ~ 25
Pitman arm to center link		3.0 ~ 4.5		22 ~ 33
Tie rod to center link		3.0 ~ 4.5		22 ~ 33

TIGHTENING TORQUE					
	m-kg	ft-lb		m-kg	ft-lb
Tie rod to knuckle arm	3.0 ~ 4.5	22 ~ 33	Front stabilizer support plate	3.8 ~ 4.7	27 ~ 34
Tie rod lock nut	7.0 ~ 8.0	51 ~ 58	Shock absorber to axle housing	6.5 ~ 8.2	47 ~ 59
Steering gear box end cover lock nut	23 ~ 26	166 ~ 188	Upper link to axle housing	7.7 ~ 10.5	56 ~ 76
<b>Brake</b>			Upper link to frame	7.7 ~ 10.5	56 ~ 76
Master cylinder union bolt	1 ~ 1.6	7 ~ 12	Lower link to axle housing	7.7 ~ 10.5	56 ~ 76
Master cylinder outlet plug	6 ~ 7	43 ~ 50	Lower link to frame	7.7 ~ 10.5	56 ~ 76
Brake tube union nut	1.3 ~ 2.2	9 ~ 16	Shock absorber upper	1.3 ~ 2.5	9 ~ 18
Flexible hose union	2.5 ~ 3.5	18 ~ 25	Watt link bracket	7.7 ~ 10.5	56 ~ 76
Wheel cylinder union bolt	0.7 ~ 1.0	5 ~ 7	Watt link to axle housing	6.5 ~ 8.2	47 ~ 59
<b>Wheels</b>			Watt link to bracket	6.5 ~ 8.2	47 ~ 59
Wheel bolts	9 ~ 11	65 ~ 80	Rear stabilizer support plate	3.2 ~ 4.7	23 ~ 34
<b>Suspension</b>			Stabilizer lock nut	1.0 ~ 1.6	7 ~ 12
Suspension arm to cross member	4.0 ~ 5.5	29 ~ 40	<b>Unless otherwise specified</b>		
Knuckle arm to shock absorber	6.4 ~ 9.5	46 ~ 69	<b>6T</b>		
Suspension arm ball joint to knuckle arm	6 ~ 8	43 ~ 58	6 mm bolt/nut	0.7 ~ 1.0	5 ~ 7
Front shock absorber			8 mm bolt/nut	1.6 ~ 2.3	12 ~ 17
Piston rod to mounting block	6.5 ~ 8.2	47 ~ 59	10 mm bolt/nut	3.2 ~ 4.7	23 ~ 34
Seal cap nut	5.0 ~ 6.0	36 ~ 43	12 mm bolt/nut	5.6 ~ 8.2	41 ~ 59
Tension rod to lower suspension arm	5.5 ~ 6.9	40 ~ 50	14 mm bolt/nut	7.7 ~ 10.5	56 ~ 76
Tension rod to bracket	11 ~ 15	80 ~ 108	<b>8T</b>		
Tension rod bracket to frame	7.6 ~ 10.7	55 ~ 77	6 mm bolt/nut	0.8 ~ 1.2	6 ~ 9
Stabilizer bar to suspension lower arm	1.2 ~ 1.8	9 ~ 13	8 mm bolt/nut	1.8 ~ 2.7	13 ~ 20
			10 mm bolt/nut	3.7 ~ 5.5	27 ~ 40
			12 mm bolt/nut	6.4 ~ 9.5	46 ~ 69
			14 mm bolt/nut	10.4 ~ 14.0	75 ~ 101

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