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TECHNICAL DATA



<p>Oil pressure at idle speed of engine Pressure regulator valve (Rear housing) Operating pressure 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 -10°C ~ 40°C (15°F ~ 100°F) -10°C ~ 50°C (15°F ~ 120°F) -18°C ~ 30°C (0°F ~ 85°F) -18°C ~ 40°C (0°F ~ 100°F) -18°C ~ 50°C (0°F ~ 120°F) Below -18°C (0°F)</p> <p>Oil capacity Full capacity Oil pan capacity</p>	<p>1.0 ~ 3.8 kg/cm<sup>2</sup> (14 ~ 54 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 (1.830 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>2.0 ~ 2.5 cc/6 min. (0.068 ~ 0.085 U.S. oz/6 min.)</p> <p>A.P.I. Service SD or SE SAE 20W-40</p> <p>SAE 20W-50</p> <p>SAE 10W-30</p> <p>SAE 10W-40</p> <p>SAE 10W-50</p> <p>SAE 5W-20 or 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>Radiator Type Pressure cap opens at Cooling capacity With heater Without heater</p>	<p>Corrugated fin, with expansion tank 0.9 ± 0.1 kg/cm<sup>2</sup> (13.0 ± 1 lb/in<sup>2</sup>)</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>																																																															
<b>COOLING SYSTEM</b>		<p>Fuel tank capacity Fuel pump Type Fuel pressure Feeding capacity Fuel filter Carburetor Type Throat diameter Primary Secondary Venturi diameter Primary Secondary</p>		<p>55 liters (14.5 U.S. gal) (12.1 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. quart/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 × 13 × 6.5 mm (0.79 × 0.51 × 0.26 in) 28 × 10 mm (1.10 × 0.39 in)</p>																																																											
<p>Water pump Type Feeding capacity at 6,500 rpm of engine Pump driven by Pulley ratio of eccentric shaft and pump Fan Fan diameter Number of fan blades Fan drive Standard revolution of fan Thermostat Type Starts to open Fully opens at Lift</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th style="text-align: center;">Manual transmission</th> <th style="text-align: center;">Automatic transmission</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Main jet</td> <td>Primary Calif.</td> <td># 93</td> <td># 94</td> </tr> <tr> <td>Secondary Except Calif.</td> <td># 93 # 160</td> <td># 93 # 160</td> </tr> <tr> <td rowspan="2">Main air bleed</td> <td>Primary</td> <td># 90</td> <td># 90</td> </tr> <tr> <td>Secondary</td> <td># 140</td> <td># 140</td> </tr> <tr> <td rowspan="2">Slow jet</td> <td>Primary</td> <td># 46</td> <td># 46</td> </tr> <tr> <td>Secondary</td> <td># 120</td> <td># 120</td> </tr> <tr> <td rowspan="2">Slow air bleed</td> <td>Primary No. 1</td> <td># 70</td> <td># 70</td> </tr> <tr> <td>No. 2</td> <td># 150</td> <td># 150</td> </tr> <tr> <td rowspan="2">Richer jet</td> <td>Secondary No. 1</td> <td># 160</td> <td># 160</td> </tr> <tr> <td>No. 2</td> <td># 60</td> <td># 60</td> </tr> <tr> <td rowspan="2">Richer air bleed</td> <td></td> <td># 40</td> <td>—</td> </tr> <tr> <td></td> <td># 140</td> <td>—</td> </tr> <tr> <td rowspan="2">Power jet</td> <td>California</td> <td># 50</td> <td># 50</td> </tr> <tr> <td>Except for California</td> <td>—</td> <td># 50</td> </tr> <tr> <td rowspan="2">Vacuum jet</td> <td>Primary</td> <td>1.8 mm (0.0709 in)</td> <td>1.8 mm (0.0709 in)</td> </tr> <tr> <td>Secondary</td> <td>1.0 mm (0.0394 in)</td> <td>1.0 mm (0.0394 in)</td> </tr> </tbody> </table>				Manual transmission	Automatic transmission	Main jet	Primary Calif.	# 93	# 94	Secondary Except Calif.	# 93 # 160	# 93 # 160	Main air bleed	Primary	# 90	# 90	Secondary	# 140	# 140	Slow jet	Primary	# 46	# 46	Secondary	# 120	# 120	Slow air bleed	Primary No. 1	# 70	# 70	No. 2	# 150	# 150	Richer jet	Secondary No. 1	# 160	# 160	No. 2	# 60	# 60	Richer air bleed		# 40	—		# 140	—	Power jet	California	# 50	# 50	Except for California	—	# 50	Vacuum jet	Primary	1.8 mm (0.0709 in)	1.8 mm (0.0709 in)	Secondary	1.0 mm (0.0394 in)	1.0 mm (0.0394 in)
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<p>Centrifugal impeller 150 ~ 160 liters/min. (39.6 ~ 42.3 U.S. gal/min.) (33.0 ~ 35.2 Imp. gal/min.) "V" belt 1 : 1.18</p> <p>410 mm (16.1 in) 7</p> <p>1,400 ± 200 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>Fast idle adjustment (Clearance between primary throttle valve and bore when choke knob is fully pulled)</p> <p>Float level (from surface of gasket)</p> <p>Float drop (from surface of gasket)</p> <p>Idle speed Manual transmission Automatic transmission ("D" range)</p> <p>CO. concentration at idle Sub-zero starting assist fluid</p>	<p>California 1.30 ~ 1.50 mm (0.051 ~ 0.059 in)</p> <p>Except for California 0.90 ~ 1.10 mm (0.035 ~ 0.04 in)</p> <p>16.0 ± 0.5 mm (0.63 ± 0.020 in)</p> <p>51 ± 0.5 mm (2.0 ± 0.02 in)</p> <p>750 ± 25 rpm</p> <p>750 ± 25 rpm</p> <p>Less than 0.1%</p> <p>Anti-freeze 90%</p> <p>Water 10%</p>	<p>Trailing</p> <p>Condenser capacity</p> <p>Firing order</p> <p>Ignition timing Leading Trailing</p> <p>Timing mark location</p> <p>Spark plug Type</p> <p>Initial gap</p> <p>Alternator Ground Rated output Number of poles No load test Voltage Current Revolution Load test Voltage Current Revolution Number of brushes Brush length Wear limit Brush spring pressure</p> <p>Pulley ratio of eccentric shaft and alternator</p> <p>Regulator Constant voltage relay Air gap Point gap Back gap</p> <p>Regulated voltage without load at 4,000 rpm of alternator</p> <p>Pilot lamp relay Air gap Point gap Back gap</p> <p>Pilot lamp lights on Pilot lamp lights out</p> <p>Ignition coil (Leading) Type Primary resistance External resistance</p>	<p>Starts: 0° at -200 mm-Hg</p> <p>Maximum: 15° at -400 mm-Hg</p> <p>0.24 ~ 0.30 μF</p> <p>1-2</p> <p>0 ± 1° ATDC</p> <p>20 ± 2° ATDC</p> <p>Eccentric shaft pulley</p> <p>NGK: B6ET, B7ET, B8ET BR6ET, BR7ET, BR8ET</p> <p>NIPPON DENSO: W20EB, W20EBR W22EB, W22EBR W25EB, W25EBR</p> <p>CHAMPION: N-278B, RN-278B N-280B, RN-280B N-282B, RN-282B</p> <p>1.05 ± 0.05 mm (0.041 ± 0.002 in)</p> <p>Negative 12V 55A 12</p> <p>14V 0 amp. Less than 1,100 rpm</p> <p>14V 40amp. Less than 2,500 rpm</p> <p>2</p> <p>16 mm (0.63 in) 6mm (0.24 in) 370 gr (13 oz) ± 15%</p> <p>1 : 1.82</p> <p>0.7 ~ 1.3 mm (0.028 ~ 0.051 in)</p> <p>0.3 ~ 0.45 mm (0.012 ~ 0.018 in)</p> <p>0.7 ~ 1.5 mm (0.028 ~ 0.059 in)</p> <p>14.5 ± 0.5V</p> <p>0.9 ~ 1.4 mm (0.035 ~ 0.055 in)</p> <p>0.7 ~ 1.1 mm (0.028 ~ 0.043 in)</p> <p>0.7 ~ 1.5 mm (0.028 ~ 0.059 in)</p> <p>0.5 ~ 3.0V 4.5 ~ 5.5V</p> <p>HP5-13J 1.4 Ω at 20°C (68°F) 0.7 Ω × 2 at 20°C (68°F)</p>
<b>ELECTRICAL SYSTEM</b>			
<p>Battery Type California Except for California Manual transmission Automatic transmission Capacity (20hour rate)</p> <p>Voltage Terminal ground Specific gravity at 20°C (68°F)</p> <p>Fully charged Recharged at</p> <p>Distributor Breaker point Number Dwell angle Point gap Arm spring tension</p> <p>Centrifugal advance Leading</p> <p>Trailing</p> <p>Vacuum advance Leading</p>	<p>G60-5, Y60-5, N50-S, K60-5</p> <p>G60-5, Y60-5, N50-S, K60-5 NS70S 55 amp. NS70S 45 amp. G60-5, Y60-5, N50-S, K60-5</p> <p>12 Volt Negative</p> <p>G60-5, Y60-5, NS70S N50-S, K60-5</p> <p>1.260 1.280 1.200 1.220</p> <p>2</p> <p>Leading, Trailing 58 ± 3° 0.45 ± 0.05 mm (0.018 ± 0.002 in)</p> <p>0.5 ~ 0.65 kg (1.10 ~ 1.4 lb)</p> <p>Starts: 0° at 500 rpm Maximum: 10° at 1,500 rpm</p> <p>Starts: 0° at 500 rpm Maximum: 10° at 1,500 rpm</p> <p>Starts: 0° at -100 mm-Hg Maximum: 7.5° at -400 mm-Hg</p>		

Ignition coil (Trailing) Type Primary resistance External resistance	HP5-13J 1.5 Ω at 20°C (68°F) 1.6 Ω × 2 at 20°C (68°F)		Clutch disc Thickness limit Rivet depth limit Lateral run-out limit Diaphragm Finger out of alignment Limit Finger groove wear depth Limit	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)			
	Manual transmission	Automatic transmission		<b>MANUAL TRANSMISSION</b>			
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	1.2KW 5.0 volt Less than 600 amp. 0.96 m-kg (6.9 ft-lb) 11.5 volt Less than 50 amp. More than 5,600 rpm 4 18.5 mm (0.73 in) 11.5 mm (0.45 in) 1.4 ~ 1.8 kg (49 ~ 63 oz) Solenoid Less than 8 volt 0.5 ~ 0.8mm (0.020 ~ 0.031 in) Less than 0.2 mm (0.008 in) 0.1 ~ 0.4 mm (0.004 ~ 0.016 in) 0.5 ~ 2.0mm (0.020 ~ 0.079 in)	2.0KW 5.0 volt Less than 1,050 amp. 2.2 m-kg (15.9 ft-lb) 11.5 volt Less than 100 amp. More than 6,600 rpm 4 18.5 mm (0.73 in) 11.5 mm (0.45 in) 1.4 ~ 1.8 kg (49 ~ 63 oz) Solenoid Less than 8 volt 0.5 ~ 0.8mm (0.020 ~ 0.031 in) Less than 0.2 mm (0.008 in) 0.1 ~ 0.4 mm (0.004 ~ 0.016 in) 0.5 ~ 2.0mm (0.020 ~ 0.079 in)	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)			4-Speed 3.674 2.217 1.432 1.000 3.542 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) 0.5 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	5-Speed 3.674 2.217 1.432 1.000 3.542 0.825
<b>CLUTCH</b>			<b>AUTOMATIC TRANSMISSION</b>				
Clutch pedal Free play (at pedal pad) Engagement height (from floor) Master cylinder Bore Clearance between piston and bore Standard Limit Release cylinder Bore Clearance between piston and bore Standard Limit	0.6 ~ 3.1 mm (0.024 ~ 0.122 in) More than 75 mm (2.95 in) 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)		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			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)	

Clearance between outer gear and crescent Limit	0.25 mm (0.010 in)		<b>Shift speed</b>				
Clearance between outer gear and housing Limit	0.25 mm (0.010 in)		Throttle condition (Manifold vacuum)		mph		
Side clearance between oil seal ring and groove on oil pump cover	0.04 ~ 0.16 mm (0.002 ~ 0.006 in)		Kick-down (0 ~ 100 mm-Hg) (0 ~ 3.94 in-Hg)	D1 → D2	32 ~ 45		
Front clutch				D2 → D3	59 ~ 77		
Thickness of drive plate Limit	1.4 mm (0.055 in)			D3 → D2	51 ~ 65		
Total clearance measured between retaining plate and snap ring	1.6 ~ 1.8 mm (0.063 ~ 0.071 in)			D2 → D1	14 ~ 30		
End play of front clutch drum	0.5 ~ 0.8 mm (0.020 ~ 0.031 in)		Half throttle (200 ± 10 mm-Hg) (7.87 ± 0.39 in-Hg)	D1 → D2	9 ~ 21		
Rear clutch				D2 → D3	18 ~ 40		
Thickness of drive plate Limit	1.4 mm (0.055 in)		Fully closed throttle	D3 → D1	6 ~ 12		
Total clearance measured between retaining plate and snap ring	0.8 ~ 1.5 mm (0.031 ~ 0.059 in)		Manual 1	I2 → I1	24 ~ 33		
Low and reverse brake			<b>Governor pressure</b>				
Thickness of friction plate Limit	1.8 mm (0.071 in)		Driving speed	Output shaft speed	Governor pressure		
Total clearance measured between retaining plate and snap ring	0.8 ~ 1.05 mm (0.031 ~ 0.041 in)		mph	rpm	kg/cm <sup>2</sup>	lb/in <sup>2</sup>	
Gear assembly			20	1,070 ~ 1,170	0.8 ~ 1.3	11 ~ 18	
Total end play	0.25 ~ 0.50 mm (0.010 ~ 0.020 in)		35	1,900 ~ 2,030	1.6 ~ 2.3	23 ~ 33	
Planetary gear side play Limit	0.8 mm (0.031 in)		55	3,000 ~ 3,170	3.1 ~ 4.2	44 ~ 60	
Engine stall speed			<b>Line pressure</b>				
In break-in period	2,250 ~ 2,500 rpm		Manual range	Engine idling condition		Engine stall condition	
After break-in period	2,300 ~ 2,550 rpm			kg/cm <sup>2</sup>	lb/in <sup>2</sup>	kg/cm <sup>2</sup>	lb/in <sup>2</sup>
Valve body spring	Wire diameter	Free length	R	4.0 ~ 7.0	57 ~ 100	16.0 ~ 19.0	228 ~ 270
Pressure regulator valve	1.20 ± 0.03 mm (0.047 ± 0.001 in)	43.0 ± 1.0 mm (1.69 ± 0.039 in)	D	3.0 ~ 4.0	43 ~ 57	9.0 ~ 11.0	128 ~ 156
1st-2nd shift valve	0.55 ± 0.015 mm (0.022 ± 0.0006 in)	32.0 ± 2.0 mm (1.260 ± 0.079 in)	2	8.0 ~ 12.0	114 ~ 171	8.0 ~ 12.0	114 ~ 171
2nd-3rd shift valve	0.70 ± 0.015 mm (0.028 ± 0.0006 in)	41.0 ± 1.0 mm (1.61 ± 0.039 in)	1	3.0 ~ 4.0	43 ~ 57	9.0 ~ 11.0	128 ~ 156
Pressure modifier valve	0.40 ± 0.01 mm (0.016 ± 0.0004 in)	18.5 ± 1.0 mm (0.73 ± 0.039 in)	<b>PROPELLER SHAFT</b>				
Throttle back-up valve	0.80 ± 0.015 mm (0.031 ± 0.0006 in)	36.0 ± 1.0 mm (1.42 ± 0.039 in)	Max. permissible run-out		0.4 mm (0.016 in)		
Solenoid down shift valve	0.55 ± 0.015 mm (0.022 ± 0.0006 in)	21.9 ± 1.0 mm (0.86 ± 0.039 in)	Max. permissible unbalance at 4,000 rpm				
2nd lock valve	0.55 ± 0.015 mm (0.022 ± 0.0006 in)	33.5 ± 1.0 mm (1.32 ± 0.039 in)	At front		15 cm-gr (0.21 in-oz)		
Throttle relief valve	0.90 ± 0.03 mm (0.035 ± 0.001 in)	26.8 ± 1.0 mm (1.06 ± 0.039 in)	At rear		15 cm-gr (0.21 in-oz)		
Orifice check valve	0.23 ± 0.01 mm (0.009 ± 0.0004 in)	15.5 ± 2.0 mm (0.61 ± 0.079 in)	Universal joint				
			Spider diameter		25 + 0.021 mm + 0.0008 (0.9843 + 0.0008 in + 0.0003 in)		
			Wear limit		24.908 mm (0.9806 in)		
			Journal swinging torque		3 ~ 8 cm-kg (2.6 ~ 6.9 in-lb)		





WHEELS AND TIRES		TIGHTENING TORQUE		
Wheel disc			m-kg	ft-lb
Front	5-J x 13WDC			
	5½-JJ x 13WDC (Aluminum)			
Rear	5-J x 13WDC			
	5½-JJ x 13WDC (Aluminum)			
Run-out limit				
Radial	1.0 mm (0.04 in)			
	0.5 mm (0.020 in) Aluminum			
Lateral	1.0 mm (0.04 in)			
	0.5 mm (0.020 in) Aluminum			
Tire				
Front	185/70 HR 13			
	165 HR 13			
Rear	185/70 HR 13			
	165 HR 13			
Inflation pressure				
Front	1.8 kg/cm <sup>2</sup> (26 psi)			
Rear	1.8 kg/cm <sup>2</sup> (26 psi)			
Run-out limit (with wheel disc)				
Radial	2.5 mm (0.098 in)			
Lateral	3.0 mm (0.118 in)			
Front wheel bearing preload (at wheel set bolt)	0.45 ~ 0.65 kg (0.99 ~ 1.43 lb)			
<b>SUSPENSION</b>				
Front coil spring				
Spring constant	2.16 ± 0.15 kg/mm			
Free length				
Standard	334.5 mm (13.17 in)			
Left	325 mm (12.80 in)			
Right				
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)			
<b>DIMENSION</b>				
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			
		<b>Engine</b>		
		Oil pump sprocket	3.0 ~ 3.5	22 ~ 25
		Oil pan	0.7 ~ 1.0	5 ~ 7
		Inlet manifold	1.9 ~ 2.6	14 ~ 19
		Thermal reactor	4.5 ~ 5.5	33 ~ 40
		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
		<b>Clutch</b>		
		Flywheel	40.0 ~ 50.0	289 ~ 362
		Clutch cover	1.8 ~ 2.7	13 ~ 20
		<b>Transmission</b>		
		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	0.8 ~ 1.2	6 ~ 9
		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
		<b>Automatic transmission</b>		
		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

TIGHTENING TORQUE					
	m-kg	ft-lb		m-kg	ft-lb
<b>Propeller shaft</b>			<b>Watt link bracket</b>	7.7 ~ 10.5	56 ~ 76
Yoke to rear axle companion flange	3.5 ~ 3.8	25 ~ 27	Watt link to axle housing	6.5 ~ 8.2	47 ~ 59
			Watt link to bracket	6.5 ~ 8.2	47 ~ 59
<b>Rear axle</b>			Rear stabilizer support plate	3.2 ~ 4.7	23 ~ 34
Ring gear	6.5 ~ 7.5	47 ~ 54	Stabilizer lock nut	1.0 ~ 1.6	7 ~ 12
Differential side bearing caps	3.8 ~ 5.3	27 ~ 38			
Companion flange to pinion	13 ~ 18	94 ~ 130	<b>Unless otherwise specified</b>		
<b>Steering</b>			<b>6T</b>		
Steering wheel nut	3.0 ~ 4.0	22 ~ 29	6 mm bolt/nut	0.7 ~ 1.0	5 ~ 7
Steering gear housing to frame	4.4 ~ 5.5	32 ~ 40	8 mm bolt/nut	1.6 ~ 2.3	12 ~ 17
Pitman arm to sector shaft	13 ~ 17	94 ~ 123	10 mm bolt/nut	3.2 ~ 4.7	23 ~ 34
Idler arm bracket to frame	4.4 ~ 5.5	32 ~ 40	12 mm bolt/nut	5.6 ~ 8.2	41 ~ 59
Idler arm to center link	2.5 ~ 3.5	18 ~ 25	14 mm bolt/nut	7.7 ~ 10.5	56 ~ 76
Pitman arm to center link	3.0 ~ 4.5	22 ~ 33	<b>8T</b>		
Tie rod to center link	3.0 ~ 4.5	22 ~ 33	6 mm bolt/nut	0.8 ~ 1.2	6 ~ 9
Tie rod to knuckle arm	3.0 ~ 4.5	22 ~ 33	8 mm bolt/nut	1.8 ~ 2.7	13 ~ 20
Tie rod lock nut	7.0 ~ 8.0	51 ~ 58	10 mm bolt/nut	3.7 ~ 5.5	27 ~ 40
Steering gear box end cover lock nut	23 ~ 26	166 ~ 188	12 mm bolt/nut	6.4 ~ 9.5	46 ~ 69
			14 mm bolt/nut	10.4 ~ 14.0	75 ~ 101
<b>Brake</b>					
Master cylinder union bolt	1 ~ 1.6	7 ~ 12			
Master cylinder outlet plug	6 ~ 7	43 ~ 50			
Brake tube union nut	1.3 ~ 2.2	9 ~ 16			
Flexible hose union	2.2 ~ 2.7	16 ~ 20			
Wheel cylinder union bolt	0.7 ~ 1.0	5 ~ 7			
<b>Wheels</b>					
Wheel bolts	9 ~ 11	65 ~ 80			
<b>Suspension</b>					
Suspension arm to cross member	4.0 ~ 5.5	29 ~ 40			
Knuckle arm to shock absorber	6.4 ~ 9.5	46 ~ 69			
Suspension arm ball joint to knuckle arm	6 ~ 8	43 ~ 58			
Front shock absorber					
Piston rod to mounting block	6.5 ~ 8.2	47 ~ 59			
Seal cap nut	5 ~ 6	36 ~ 43			
Piston rod nut	1.35 ~ 1.65	9.8 ~ 11.9			
Tension rod to lower suspension arm	5.5 ~ 6.9	40 ~ 50			
Tension rod to bracket	11 ~ 15	80 ~ 108			
Tension rod bracket to frame	7.6 ~ 9.5	55 ~ 69			
Stabilizer bar to suspension lower arm	2.4 ~ 3.5	17 ~ 25			
Front stabilizer support plate	3.8 ~ 4.7	27 ~ 34			
Shock absorber to axle housing	6.5 ~ 8.2	47 ~ 59			
Upper link to axle housing	7.7 ~ 10.5	56 ~ 76			
Upper link to frame	7.7 ~ 10.5	56 ~ 76			
Lower link to axle housing	7.7 ~ 10.5	56 ~ 76			
Lower link to frame	7.7 ~ 10.5	56 ~ 76			
Shock absorber upper	1.3 ~ 2.5	9 ~ 18			