

Specifications

Standards and Service Limits	3-2
Design Specifications	3-15
Body Specifications	3-19

Standards and Service Limits

Cylinder Head/Valve Train — Section 6			
	MEASUREMENT		SERVICE LIMIT
Compression	200 min ⁻¹ (rpm) wide open throttle	Nominal Minimum Maximum variation	1,350kPa (13.5kg/cm ² , 192psi) 1,000kPa (10.0kg/cm ² , 142psi) 200kPa (2kg/cm ² , 28psi)
Cylinder head	Warpage Height		— 99.95-100.05 (3.935-3.939)
Camshaft	End play Oil clearance Runout Cam lobe height	MT IN EX AT IN EX	0.05-0.15 (0.002-0.006) 0.050-0.089 (0.002-0.004) 0.015 (0.0006) 40.005 (1.5750) 37.766 (1.4868) 40.005 (1.5750) 37.766 (1.4868)
Valve	Valve clearance Valve stem O.D. Stem-to-guide clearance	IN EX IN EX IN EX	0 0 5.48-5.49 (0.2157-0.2161) 5.45-5.46 (0.2146-0.2159) 0.02-0.05 (0.001-0.002) 0.05-0.08 (0.002-0.003)
Valve seat	Width Stem installed height	IN EX IN EX	1.25-1.55 (0.049-0.061) 1.25-1.55 (0.049-0.061) 46.935-47.375 (1.8478-1.8671) 47.885-48.375 (1.8852-1.9045)
Valve spring	Free length	IN EX	50.16 (1.9748) *1 50.17 (1.9752) *2 50.36 (1.9827)
Valve guide	I.D. Installed height	IN and EX IN and EX	5.51-5.53 (0.2169-0.2177) 15.75-16.25 (0.620-0.640)
Rocker arm	Arm-to-shaft clearance		0.017-0.050 (0.0007-0.0020)

*1: NIPPON HATSUJO made, *2: CHUO HATSUJO made.

Unit of length: mm (in)

Engine Block — Section 7

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Cylinder block	Warpage of deck surface	0.07 (0.003) max.	0.10 (0.004)
	Bore diameter	90.00-90.02 (3.543-3.544)	90.07 (3.546)
	Bore taper	—	0.05 (0.002)
	Reboring limit	—	0.5 (0.02)
Piston	Skirt O.D. at 17mm (0.67in) from bottom of skirt	A 89.98-89.99 (3.5425-3.5429) B 89.97-89.98 (3.5421-3.5425)	89.97 (3.5421) 89.96 (3.5417)
	Clearance in cylinder	0.02-0.04 (0.001-0.002)	0.08 (0.003)
	Groove width (for ring)	Top 1.22-1.23 (0.0480-0.0484)	1.25 (0.0492)
		Second 1.22-1.23 (0.0480-0.0484)	1.25 (0.0492)
		Oil 2.805-2.820 (0.1104-0.1110)	2.84 (0.1118)
Piston ring	Ring-to-groove clearance	Top 0.035-0.060 (0.0014-0.0024)	0.13 (0.005)
		Second 0.030-0.055 (0.0012-0.0021)	0.13 (0.005)
	Ring end gap	Top 0.25-0.40 (0.010-0.016)	0.70 (0.027)
		Second 0.40-0.55 (0.016-0.022)	0.85 (0.033)
	Oil 0.20-0.70 (0.008-0.028)		0.80 (0.032)
Piston Pin	O.D.	21.994-22.000 (0.8659-0.8661)	—
	Pin-to-piston clearance	0.012-0.024 (0.0005-0.0009)	—
Connecting rod	Pin-to-rod interference	0.013-0.032 (0.0005-0.0013)	—
	Small end bore diameter	21.968-21.981 (0.8649-0.8654)	—
	Large end bore diameter	Nominal 57.00 (2.244)	—
	End play installed on crankshaft	0.15-0.30 (0.006-0.012)	—
	Small end bore-to-large end bore parallelism	0.12/100 max.	0.15/100
Crankshaft	Main journal diameter	67.976-68.000 (2.6762-2.6772)	—
	Rod journal diameter	53.976-53.000 (2.1250-2.0866)	—
	Taper	0.005 (0.0002) max.	0.01 (0.0004)
	Out-of-round	0.004 (0.0002) max.	0.01 (0.0004)
	End play	0.10-0.29 (0.004-0.011)	0.45 (0.018)
	Runout	0.01 (0.0004) max.	0.015 (0.0006)
Bearings	Main bearing-to-journal oil clearance	0.020-0.044 (0.0008-0.0017)	0.05 (0.002)
	Rod bearing-to-journal oil clearance	0.022-0.046 (0.0009-0.0018)	0.05 (0.002)

Engine Lubrication — Section 8

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Engine oil	Capacity ℓ (US qt, Imp qt)	5.0 (5.3, 4.4) for engine overhaul 4.7 (5.0, 4.1) for oil change, including filter	
Oil pump	Displacement ℓ (US gal, Imp gal)/min @min ⁻¹ (rpm)	42.3 (11.2, 9.3) @6,000	
	Inner-to-outer rotor clearance	0.04-0.16 (0.002-0.006)	0.20 (0.008)
	Pump body-to-outer rotor clearance	0.10-0.18 (0.004-0.007)	0.20 (0.008)
	Pump body-to rotor axial clearance	0.02-0.07 (0.001-0.003)	0.12 (0.005)
Relief valve	Pressure setting 80°C (176° F)	at idle 70 (0.7, 10) min.	
	kPa (kg/cm ² , psi)	at 3,000rpm 350 (3.5, 50) min.	

Standards and Service Limits

Unit of length: mm (in)

Cooling — Section 10		
	MEASUREMENT	STANDARD (NEW)
Radiator	Coolant capacity ℓ (US gal, Imp gal) including engine, heater, cooling line and reservoir reservoir capacity: 0:65ℓ (0.69US qt, 0.57Imp qt)	M/T: 8.7 (2.30, 1.91) for overhaul 7.5 (1.98, 1.65) for coolant change A/T: 8.7 (2.30, 1.91) for overhaul 7.5 (1.98, 1.65) for coolant change
Radiator cap	Opening pressure kPa (kg/cm ² , psi)	95-125 (0.95-1.25, 13.5-17.8)
Thermostat	Start to open °C(° F) Fully open °C(° F) Valve lift at fully open	76-80 (169-176) 90 (194) 10 (0.39) min.
Water pump	Displacement ℓ (US gal, Imp gal)/min @min ⁻¹ (rpm)	117.6 (31.1, 25.9) @3,840
Cooling fan	Thermoswitch "ON" temperature (LOW) °C(° F) Thermoswitch "OFF" temperature (LOW) °C(° F) Thermoswitch "ON" temperature (HIGH) °C(° F) Thermoswitch "OFF" temperature (HIGH) °C(° F)	82.8-85.2 (181-185) 76.0-80.0 (169-176) 88.7-91.3 (192-196) 82.0-86.0 (180-187)

Fuel and Emission — Section 11		
	MEASUREMENT	STANDARD (NEW)
Fuel pump	Displacement cc in 10 seconds Relief valve opening pressure kPa (kg/cm ² , psi)	230 min. 450-600 (4.5-6.0, 64.0-85.3)
Pressure regulator	Pressure with regulator vacuum hose disconnected kPa (kg/cm ² , psi)	270-320 (2.7-3.2, 38.4-45.5)
Fuel tank	Capacity ℓ (US gal, Imp gal)	68 (18.0, 15.0)
Engine	Fast idle rpm at 25°C (77°F)	1,500 ± 200
	Idle speed min ⁻¹ (rpm) (with headlight and cooling fan off)	M/T 650 ± 50 A/T 600 ± 50 (N or P)
	Idle Co %	0.1 min.

Clutch — Section 12			
	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Clutch pedal	Pedal height to floor	199.5 (7.85)	—
	Stroke	142-148 (5.6-5.8)	—
	Pedal play	1.0-7.0 (0.04-0.28)	—
	Disengagement height to floor	90 (3.5) min	—
Flywheel	Clutch surface runout	0.05 (0.002) max.	0.15 (0.006)
Clutch disc	Rivet head depth	1.5 (0.06)	0.5 (0.02)
	Surface runout	0.6 (0.02) max.	0.8 (0.03)
	Thickness	9.6—10.3 (0.38—0.41)	6.8 (0.27)
Clutch cover	Pressure plate warpage	0.03 (0.001) max.	0.15 (0.006)

Manual Transmission — Section 13

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission oil	Capacity ℓ (US qt, Imp qt)	2.6 (2.7, 2.3) for overhaul including oil cooler 2.5 (2.6, 2.2) for oil change including oil cooler 2.3 (2.4, 2.0) for oil change excluding oil cooler	
Mainshaft	End play Diameter of bearing contact area Clutch housing side Transmission housing side Transmission cover side 3rd gear (needle bearing) Runout	0.183–0.375 (0.007–0.015) 27.977–27.990 (1.101–1.102) 30.987–31.000 (1.2200–1.2205) 27.987–28.000 (1.1018–1.1024) 37.989–38.000 (1.4956–1.4961) 0.02 (0.0008) max.	0.525 (0.021) 27.93 (1.100) 30.94 (1.218) 27.937 (1.100) 37.935 (1.494) 0.05 (0.002)
Countershaft	End play Diameter of bearing contact area Clutch housing side Transmission housing side Transmission cover side Runout	0.173–0.340 (0.007–0.013) 33.000–33.015 (1.299–1.300) 31.975–31.988 (1.2589–1.2594) 27.987–28.000 (1.1018–1.1024) 0.02 (0.0008) max.	0.490 (0.019) 32.95 (1.297) 31.928 (1.257) 27.937 (1.100) 0.05 (0.002)
Reverse idle shaft	Diameter bearing contact area	19.989–20.000 (0.7870–0.7874)	19.93 (0.785)
Reverse drive gear	I.D. Thickness	25.007–25.020 (0.9845–0.9850) 26.45–26.50 (1.041–1.043)	25.078 (0.987) 26.38 (1.039)
Mainshaft 3rd gear	I.D. Thickness End play (when tightened by specified torque)	44.009–44.025 (1.7326–1.7333) 31.39–31.47 (1.236–1.239) 0.06–0.19 (0.002–0.007)	44.080 (1.735) 31.32 (1.233) 0.3 (0.012)
Mainshaft 4th gear	I.D. Thickness End play (when tightening by specified torque)	44.009–44.025 (1.7326–1.7333) 29.39–29.47 (1.157–1.160) 0.06–0.19 (0.002–0.007)	44.080 (1.735) 29.32 (1.154) 0.3 (0.012)
Mainshaft 5th gear	I.D. Thickness End play (when tightening by specified torque)	44.009–44.025 (1.7326–1.7333) 29.39–29.47 (1.157–1.160) 0.06–0.19 (0.002–0.007)	44.080 (1.735) 29.32 (1.154) 0.3 (0.012)
Distance collar	I.D. Diameter of needle bearing contact area Thickness of needle bearing contact area	31.002–31.012 (1.2205–1.2209) 37.989–38.000 (1.4956–1.4961) 29.56–29.61 (1.164–1.166)	31.060 (1.223) 37.940 (1.494) 29.54 (1.163)
Countershaft 1st gear	I.D. Thickness End play (when tightening by specified torque)	53.010–53.029 (2.087–2.088) 35.92–36.001 (1.414–1.417) 0.04–0.10 (0.02–0.04)	53.081 (2.090) 35.85 (1.411) Adjust with a shim
Countershaft 2nd gear	I.D. Thickness End play (when tightening by specified torque)	53.010–53.029 (2.087–2.088) 35.92–36.00 (1.414–1.417) 0.04–0.10 (0.02–0.04)	53.081 (2.090) 35.85 (1.411) Adjust with a shim

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Standards and Service Limits

Manual Transmission — Section 13

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Distance collar (countershaft 2nd gear)	I.D.	37.950–37.960 (1.4941–1.4945)	38.008 (1.496)
	O.D.	46.989–47.000 (1.8500–1.8504)	46.940 (1.848)
	Thickness	36.03–36.05 (1.4185–1.4193)	Adjust with a collar
	A B	36.07–36.09 (1.420–1.421)	
Countershaft reverse gear	O.D. Thickness	46.989–47.000 (1.8500–1.8504) 50.45–50.55 (1.986–1.990)	46.94 (1.848) 50.38 (1.983)
Synchro ring	Ring-to-gear clearance (ring pushed against gear)	0.85–1.10 (0.033–0.043)	0.4 (0.016)
Shift fork 1st/2nd 3rd/4th and 5th	Finger thickness	7.4–7.6 (0.291–0.299)	—
	finger-to-synchro sleeve clearance	0.35–0.65 (0.014–0.026)	1.00 (0.039)
Reverse shift fork	Finger thickness	6.4–6.6 (0.252–0.260)	—
	Finger-to-synchro sleeve clearance	0.35–0.65 (0.014–0.026)	1.00 (0.039)
	Groove width	13.2–13.3 (0.520–0.524)	—
	Fork-to-reverse shift arm clearance	0.2–0.5 (0.008–0.020)	0.8 (0.031)
Shift fork shaft	Shaft-to-shift piece clearance	0.25–0.55 (0.010–0.022)	0.85 (0.033)
	Groove width of the shift piece contact point	12.2–1.24 (0.480–0.488)	—
Shift arm	Diameter (at the contact point with the change piece)	7.9–8.0 (0.311–0.315)	—
	Arm-to-change piece clearance	0.1–0.3 (0.004–0.012)	0.55 (0.022)
	Diameter (at the contact point with the shift piece)	7.9–8.0 (0.311–0.315)	—
	Arm-to-shift piece clearance	0.1–0.3 (0.004–0.012)	0.55 (0.022)
Change piece	Groove width of the shift arm contact point	8.1–8.2 (0.319–0.323)	—
Shift piece	Groove width of the shift arm contact point	8.1–8.2 (0.319–0.323)	—
	Diameter (at the contact point with the shift fork shaft)	11.85–11.95 (0.467–0.470)	—
Reverse shift arm	Diameter (at the contact point with the reverse shift fork)	12.8–13.0 (0.504–0.512)	—
	Diameter (at the contact point with the 5th shift fork shaft)	12.8–13.0 (0.503–0.512)	—
Secondary gear	Backlash	0.061–0.721 (0.002–0.005)	—
	Preload N·m (kg·cm, lb·in)	1.4–2.6 (14–26, 12.2–22.5)	Adjust with a shim
	Diameter of bearing contact area		
	Clutch housing side	55.002–55.021 (2.165–2.166)	—
	Transmission housing side	45.002–45.018 (1.7717–1.7724)	—
	Diameter of oil seal contact area		
	Clutch housing side	54.894–54.940 (2.161–2.163)	—
	Transmission housing side	44.911–44.950 (1.768–1.770)	—
Extension shaft	Diameter of oil seal contact area	37.438–37.500 (1.474–1.476)	—
Oil pump	Clutch housing-to-rotor axial clearance	0.03–0.13 (0.001–0.005)	0.18 (0.007)
	Inner-to-outer rotor clearance	0.14 (0.006)	0.2 (0.008)
	Clutch housing body-to-outer rotor clearance	0.10–0.20 (0.004–0.008)	0.22 (0.009)

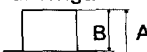
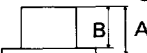
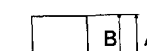
Automatic Transmission — Section 14

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission fluid	Capacity ℓ (US qt, Imp qt)	8.7 (9.2, 7.7) for overhaul 3.3 (3.5, 2.9) for oil change	
Hydraulic pressure kPa (kg/cm ² , psi)	Line pressure at 2,000 min ⁻¹ (rpm) N or P	800–860 (8.0–8.6, 114–122)	750 (7.5, 107)
	1st clutch pressure at 2,000 min ⁻¹ (rpm) D ₄ or D ₃		
	2nd clutch pressure at 2,000 min ⁻¹ (rpm) D ₄	460 (4.6, 65) throttle fully closed	430 (4.3, 61) throttle fully closed
	3rd clutch pressure at 2,000 min ⁻¹ (rpm) D ₄	860 (8.6, 122) throttle more than 1/4 opened	750 (7.5, 107) throttle more than 1/4 opened
	4th clutch pressure at 2,000 min ⁻¹ (rpm) D ₄		
	1st hold clutch pressure at 2,000 min ⁻¹ (rpm) 1	800–860 (8.0–8.6, 114–122)	750 (7.5, 107)
	2nd clutch pressure at 2,000 min ⁻¹ (rpm) 2		
	1st clutch pressure at 2,000 min ⁻¹ (rpm) 1		
	Reverse clutch pressure at 2,000 min ⁻¹ (rpm) R	1,190–1,270 (11.9–12.7, 169–181)	1,150 (11.5, 164)
	Throttle B pressure Throttle fully closed Throttle fully open	0–15 (0–0.15, 0–2) 590–640 (5.9–6.4, 84–91)	— —
Stall speed min ⁻¹ (rpm)	Check with car on level ground	1,850–2,150	—
Clutch	Clutch initial clearance 1st-hold	0.7–0.9 (0.028–0.035)	—
	1st	0.65–0.85 (0.026–0.033)	—
	2nd, 3rd	0.6–0.8 (0.024–0.031)	—
	4th	0.5–0.7 (0.020–0.028)	—
	Reverse	0.75–0.95 (0.030–0.037)	—
	Clutch return spring free length		
	1st-hold, 1st, 2nd, 3rd, 4th	33.7 (1.327)	31.7 (1.248)
	Reverse	30.0 (1.181)	28.0 (1.102)
	Clutch disc thickness		
	1st-hold, 1st, 2nd, Reverse	1.88–2.00 (0.074–0.079)	Until grooves worn out.
	3rd, 4th	2.28–2.40 (0.090–0.094)	Until grooves worn out.
	Clutch plate thickness		
	1st-hold, 1st, 2nd, Reverse	1.95–2.05 (0.077–0.081)	Discoloration
	3rd, 4th	2.55–2.65 (0.100–0.104)	
	Clutch end plate thickness Mark 1	2.05–2.10 (0.081–0.083)	
	(1st, 2nd, 3rd, 4th) Mark 2	2.15–2.20 (0.085–0.087)	
	Mark 3	2.25–2.30 (0.089–0.091)	
	Mark 4	2.35–2.40 (0.093–0.094)	
	Mark 5	2.45–2.50 (0.096–0.098)	
	Mark 6	2.55–2.60 (0.100–0.102)	
	Mark 7	2.65–2.70 (0.104–0.106)	
	Mark 8	2.75–2.80 (0.108–0.110)	
	Mark 9	2.85–2.90 (0.112–0.114)	
	Clutch end plate thickness Mark L1	2.05–2.10 (0.081–0.083)	
	(1st-hold) Mark L2	2.15–2.20 (0.085–0.087)	
	Mark L3	2.25–2.30 (0.089–0.091)	
	Mark L4	2.35–2.40 (0.093–0.094)	
	Mark L5	2.45–2.50 (0.096–0.098)	
	Mark L6	2.55–2.60 (0.100–0.102)	
	Mark L7	2.65–2.70 (0.104–0.106)	
	Mark L8	2.75–2.80 (0.108–0.110)	
	Mark L9	2.85–2.90 (0.112–0.114)	
	Clutch end plate thickness Mark R1	4.05–4.10 (0.159–0.161)	
	(Reverse) Mark R2	4.15–4.20 (0.163–0.165)	
	Mark R3	4.25–4.30 (0.167–0.169)	
	Mark R4	4.35–4.40 (0.171–0.173)	
	Mark R5	4.45–4.50 (0.175–0.177)	
	Mark R6	4.55–4.60 (0.179–0.181)	
	Mark R7	4.65–4.70 (0.183–0.185)	
	Mark R8	4.75–4.80 (0.187–0.189)	
	Mark R9	4.85–4.90 (0.191–0.193)	Discoloration

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Standards and Service Limits

Automatic Transmission (cont'd) — Section 14

Automatic Transmission (cont'd) — Section 14					
	MEASUREMENT		STANDARD (NEW)		SERVICE LIMIT
Valve body	Stator shaft needle bearing contact I.D. (torque converter side)		28.000—28.021 (1.102—1.103)		Wear or damage
	Stator shaft needle bearing contact I.D. (oil pump side)		31.000—31.013 (1.220—1.221)		—
	Oil pump driven gear I.D.		14.016—14.034 (0.552—0.553)		Wear or damage
	Oil pump shaft O.D.		13.980—13.990 (0.550—0.551)		Wear or damage
	Oil pump gear side clearance		0.03—0.05 (0.001—0.002)		0.07 (0.003)
	Oil pump gear-to-body clearance	Drive Driven	0.210—0.265 (0.008—0.010) 0.070—0.125 (0.003—0.005)		— —
Regulator valve body	Sealing ring contact I.D.		37.00—37.025 (1.457—1.458)		37.05 (1.459)
Accumulator body	Sealing ring contact I.D.		42.000—42.030 (1.654—1.655)		42.05 (1.656)
Shifting device and parking brake control	Parking brake cone		—		Wear or other defect
	Parking brake ratchet pawl		—		↕
	Parking brake gear		—		Wear or other defect
Transmission	Mainshaft reverse gear distance collar length		25.95—26.05 (1.022—1.026)		Wear or damage ↑
	2nd clutch thrust washer 29 mm thickness		3.95—4.00 (0.156—0.157)		
	Mainshaft 2nd gear collar length	A B	35.00—35.05 (1.378—1.380) 31.06—31.09 (1.223—1.224)		
					
	Countershaft reverse gear thrust washer thickness		3.95—4.05 (0.156—0.157)		↑ Wear or damage ↓
	Countershaft reverse gear collar length		26.95—27.05 (1.061—1.065) 23.05—23.09 (0.907—0.909)		
					
	Reverse clutch distance collar length		35.45—35.55 (1.396—1.400)		
	Countershaft 2nd gear/parking gear thrust washer (48 x 60) thickness		1.27—1.30 (0.050—0.051) 1.32—1.35 (0.052—0.053) 1.37—1.40 (0.054—0.055) 1.42—1.45 (0.056—0.057) 1.47—1.50 (0.058—0.059) 1.52—1.55 (0.060—0.061) 1.57—1.60 (0.062—0.063) 1.62—1.65 (0.064—0.065) 1.67—1.70 (0.066—0.067) 1.72—1.75 (0.068—0.069) 1.77—1.80 (0.070—0.071) 1.82—1.85 (0.072—0.073) 1.87—1.90 (0.074—0.075)		
	Mainshaft 1st gear thrust washer thickness		3.45—3.55 (0.136—0.140)		
	Mainshaft 1st gear distance collar length		34.05—34.08 (1.341—1.342)		
	1st gear collar length	A B	33.90—33.97 (1.335—1.337) 30.05—30.10 (1.183—1.185)		
					
	4th clutch collar		9.67—9.70 (0.381—0.382) 9.72—9.75 (0.383—0.384) 9.77—9.80 (0.385—0.386) 9.82—9.85 (0.387—0.388) 9.87—9.90 (0.389—0.390) 9.92—9.95 (0.391—0.392) 9.97—10.00 (0.393—0.394)		

Automatic Transmission (cont'd) — Section 14

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission (cont'd)	Countershaft 2nd gear collar length	35.95–36.00 (1.415–1.417)	Wear or damage
	Countershaft 1st gear collar length	27.95–28.05 (1.100–1.104)	
	Thrust washer (38.8 x 47) thickness (1st clutch front side)	23.50–23.55 (0.925–0.927)	Wear or damage
		2.97–3.00 (0.117–0.118)	
		3.02–3.05 (0.119–0.120)	—
		3.07–3.10 (0.121–0.122)	—
		3.12–3.15 (0.123–0.124)	—
		3.17–3.20 (0.125–0.126)	—
		3.22–3.25 (0.127–0.128)	—
		3.27–3.30 (0.129–0.130)	—
		3.32–3.35 (0.131–0.132)	—
		3.37–3.40 (0.133–0.134)	—
		3.42–3.45 (0.135–0.136)	—
		3.47–3.50 (0.137–0.138)	—
	1st-hold clutch distance collar length	68.95–69.05 (2.715–2.718)	Wear or damage
	Countershaft 3rd gear collar length	28.95–29.05 (1.140–1.144)	
	Diameter of one-way clutch contact area	24.02–24.05 (0.946–0.947)	Wear or damage
	Countershaft 1st gear ID	95.764–95.790 (3.770–3.771)	
	Countershaft 2nd gear ID	86.487–86.513 (3.405–3.406)	Wear or damage
	One-way clutch hub OD	79.107–79.120 (3.114–3.115)	
	Parking gear one-way clutch contact area OD	69.833–69.846 (2.749–2.750)	Wear or damage
	Feed pipe A OD	6.97–6.98 (0.274–0.275)	
	Feed pipe B OD	11.47–11.53 (0.452–0.454)	Wear or damage
	Mainshaft bushing ID	7.018–7.030 (0.276–0.277)	
	Countershaft bushing ID	11.500–11.518 (0.4528–0.4535)	Wear or damage
	Mainshaft sealing ring 37 mm thickness	1.980–1.995 (0.078–0.079)	
	Countershaft sealing ring 42 mm thickness	1.980–1.995 (0.078–0.079)	Wear or damage
	Mainshaft sealing ring groove width	2.025–2.060 (0.080–0.081)	
	Countershaft sealing ring groove width	2.025–2.060 (0.080–0.081)	Wear or damage
	Diameter of needle bearing contact area		
	Mainshaft-stator shaft	24.980–24.993 (0.983–0.984)	Wear or damage
	Mainshaft 3rd gear	53.981–54.000 (2.125–2.126)	
	Mainshaft 1st gear collar	34.975–34.991 (1.377–1.378)	Wear or damage
	Mainshaft 1st gear distance collar	34.975–34.991 (1.377–1.378)	
	Mainshaft 2nd gear collar	34.975–34.991 (1.377–1.378)	Wear or damage
	Countershaft-torque converter housing	38.505–38.515 (1.5159–1.5163)	
	Countershaft 3rd gear collar	47.975–47.991 (1.8888–1.8894)	Wear or damage
	Countershaft 1st gear collar	38.975–38.991 (1.534–1.535)	
	Countershaft 2nd gear collar	38.975–38.991 (1.534–1.535)	Wear or damage
	Countershaft reverse gear collar	33.975–33.991 (1.534–1.535)	
	Reverse idler gear shaft	13.99–14.00 (0.5509–0.5512)	Wear or damage

(cont'd)

Standards and Service Limits

Automatic Transmission (cont'd) — Section 14			
	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission (cont'd)	ID		
	Mainshaft 4th gear	59.000—59.016 (2.3228—2.3234)	Wear or damage
	Mainshaft 2nd gear	40.000—40.016 (1.5748—1.5754)	
	Mainshaft 1st gear	39.000—39.016 (1.535—1.536)	Wear or damage
	Countershaft 3rd gear	54.000—54.016 (2.126—2.127)	
	Countershaft 2nd gear	44.000—44.016 (1.732—1.733)	Wear or damage
	Countershaft 1st gear	44.000—44.016 (1.732—1.733)	
	Countershaft reverse gear	39.000—39.016 (1.535—1.536)	Wear or damage
	Reverse idler gear	18.007—18.020 (0.7089—0.7094)	
	End play		
	Mainshaft 4th gear	0.03—0.18 (0.001—0.007)	—
	1st/4th clutch	0—0.08 (0—0.03)	Adjust with a washer
	Mainshaft 2nd gear	0.06—0.16 (0.002—0.006)	—
	Mainshaft 1st gear	0.10—0.25 (0.04—0.10)	—
	Countershaft 3rd gear	0.02—0.12 (0.001—0.005)	—
	Countershaft 2nd gear	0.05—0.13 (0.002—0.005)	Adjust with a washer
	Countershaft reverse gear	0.05—0.16 (0.002—0.006)	—
	Reverse idler gear	0.03—0.30 (0.001—0.012)	—
	Secondary gear shaft taper roller bearing preload N·m (kg·cm, lb·in)	3.5—4.5 (35—45, 30.4—39.1)	—
	Thrust washer 90 mm thickness (torque converter housing side)	0.99—1.01 (0.039—0.040)	Wear or damage
	Thrust shim 75 mm thickness	1.56—1.58 (0.061—0.062)	
		1.59—1.61 (0.0626—0.0634)	
		1.62—1.64 (0.064—0.065)	
		1.65—1.67 (0.065—0.066)	
		1.68—1.70 (0.066—0.067)	
		1.71—1.73 (0.067—0.068)	
		1.74—1.76 (0.0685—0.0693)	
		1.77—1.79 (0.0697—0.0705)	
		1.80—1.82 (0.071—0.072)	
		1.83—1.85 (0.072—0.073)	
		1.86—1.88 (0.073—0.074)	
		1.89—1.91 (0.074—0.075)	
		1.92—1.94 (0.0756—0.0764)	
		1.95—1.97 (0.077—0.078)	
		1.98—2.00 (0.078—0.079)	
		2.01—2.03 (0.079—0.080)	
		2.04—2.06 (0.080—0.081)	
		2.07—2.09 (0.081—0.082)	
		2.10—2.12 (0.082—0.083)	
		2.13—2.15 (0.084—0.085)	
		2.16—2.18 (0.085—0.086)	
		2.19—2.21 (0.086—0.087)	
		2.22—2.24 (0.087—0.088)	
		2.25—2.27 (0.0886—0.0894)	
		2.28—2.30 (0.090—0.091)	
		2.31—2.33 (0.091—0.092)	
		2.34—2.36 (0.092—0.093)	
		2.37—2.39 (0.093—0.094)	
		2.40—2.42 (0.094—0.095)	
		2.43—2.45 (0.0957—0.0967)	

Automatic Transmission (cont'd) — Section 14

	MEASUREMENT	STANDARD (NEW)			
		Wire Dia.	O.D.	Free Length	No. of Coils
Springs	One-way ball spring	0.29 (0.011)	4.0 (0.157)	14.0 (0.551)	13.0
	Secondary spring	2.3 (0.091)	20.2 (0.795)	21.099 (0.831)	4.0
	4-3 kick down valve spring	1.1 (0.043)	7.1 (0.280)	51.3 (2.020)	22.5
	Regulator valve spring A	1.8 (0.071)	14.7 (0.579)	86.5 (3.406)	16.5
	Regulator valve spring B	1.7 (0.067)	6.0 (0.236)*	43.0 (1.693)	13.5
	Stator reaction spring	6.5 (0.256)	26.4 (1.039)*	30.3 (1.193)	1.9
	Modulator valve spring A	1.5 (0.059)	9.4 (0.370)	30.6 (1.205)	9.9
	Modulator valve spring A, B	1.4 (0.055)	9.4 (0.370)	33.0 (1.299)	10.5
	Torque converter check valve spring	1.1 (0.043)	8.4 (0.331)	41.8 (1.646)	15.7
	Relief valve spring	0.9 (0.035)	8.4 (0.331)	56.5 (2.224)	22.4
	Cooler relief valve spring	1.1 (0.043)	8.4 (0.331)	46.8 (1.843)	17.0
	3-4 orifice control valve spring	1.0 (0.039)	6.6 (0.260)	52.2 (2.055)	26.0
	Throttle valve spring	1.0 (0.039)	7.6 (0.299)	28.3 (1.114)	12.1
	1-2 shift valve spring	0.9 (0.035)	7.6 (0.299)	55.5 (2.185)	24.0
	2-3, 3-4 shift valve spring	0.8 (0.031)	6.6 (0.260)	42.1 (1.657)	22.0
	Shift timing valve spring	0.8 (0.031)	6.6 (0.260)	54.8 (2.157)	30.0
	1st accumulator spring	3.0 (0.118)	18.0 (0.709)	74.1 (2.917)	9.88/4.72
	4th accumulator spring	2.8 (0.110)	16.5 (0.650)	78.1 (3.075)	13.5
	2nd accumulator spring	3.9 (0.154)	22.0 (0.866)	92.9 (3.657)	12.1
	1st-hold accumulator spring	4.0 (0.157)	25.0 (0.984)	68.4 (2.693)	7.2
	3rd accumulator spring	3.2 (0.126)	19.0 (0.748)	78.6 (3.094)	11.7
	Reverse accumulator spring	3.5 (0.138)	18.6 (0.732)	94.4 (3.717)	15.2
	Lock-up shift valve spring	0.9 (0.035)	7.6 (0.299)	73.7 (2.902)	32.0
	Lock-up shift timing valve spring	0.8 (0.031)	6.6 (0.260)	61.2 (2.409)	38.5
	Lock-up control valve spring A	0.7 (0.028)	6.6 (0.260)	36.3 (1.429)	14.1
	B	0.7 (0.028)	6.6 (0.260)	37.5 (1.476)	24.6
	C	0.7 (0.028)	6.6 (0.260)	38.5 (1.516)	24.6
	CPC valve spring A, B	1.2 (0.047)	8.6 (0.339)	39.1 (1.539)	14.0

*: I.D.

Standards and Service Limits

Differential — Section 15			
	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Differential oil	Capacity ℓ (US qt, Imp qt)	1.10 (1.16, 0.97) for overhaul 1.05 (1.11, 0.92) for oil change	
Differential carrier	Pinion shaft contact area ID Carrier-to-pinion shaft clearance Driveshaft contact area ID Carrier-to-driveshaft clearance Carrier-to-half shaft clearance	20.000—20.021 (0.787—0.788) 0.013—0.050 (0.001—0.002) 32.025—32.045 (1.261—1.262) 0.045—0.086 (0.002—0.003) 0.080—0.116 (0.003—0.005)	— 0.1 (0.004) — 0.120 (0.005) 0.120 (0.005)
Differential pinion gear	Backlash ID Pinion gear-to-shaft clearance	0.05—0.15 (0.002—0.006) 20.042—20.066 (0.789—0.790) 0.055—0.095 (0.002—0.004)	0.30 (0.012) — 0.15 (0.006)
Hypoid pinion gear and hypoid ring gear	Backlash at inspection hole at ring gear circumference	0.06—0.14 (0.002—0.006) 0.08—0.18 (0.003—0.007)	Adjust with a shim Adjust with a shim
Hypoid pinion	Preload N·m (kg·cm, lb·in) M/T New bearing Reused bearing A/T New bearing Reused bearing	 0.93—1.57 (9.3—15.7, 8.1—13.6) 0.72—1.21 (7.2—12.1, 6.2—10.5) 1.86—2.54 (18.6—25.4, 16.1—22.0) 1.45—1.95 (14.5—19.5, 1.26—16.9)	Adjust with a shim
Hypoid pinion and differential unit	Total preload N·m (kg·cm, lb·in) M/T ① ② ③ ④ A/T ① ② ③ ④	 Tp+0.55—0.78(5.5—7.8, 4.8—6.8) Tp+0.55—0.78(5.5—7.8, 4.8—6.8) Tp+0.65—0.79(6.5—7.9, 5.6—6.9) Tp+0.65—0.79(6.5—7.9, 5.6—6.9) Tp+1.06—1.28(10.6—12.8, 9.2—11.1) Tp+1.06—1.28(10.6—12.8, 9.2—11.1) Tp+0.96—1.09(9.6—10.9, 8.3—9.5) Tp+0.96—1.09(9.6—10.9, 8.3—9.5)	Adjust with a shim

①: Pinion and ring gear bearings are new.

②: Ring gear bearing is new.

③: Pinion bearing is new.

④: Pinion and ring gear bearings are reused.

Tp: Actual measurement of pinion preload.

Steering — Section 17		
	MEASUREMENT	STANDARD (NEW)
Steering wheel	Play at steering wheel circumference Starting load at steering wheel circumference N (kg, lb) engine stopped engine running	0—10 (0—0.39) 200 (20, 44) max. 30 (3, 6.6) max.
Gear box	Angle of rack-guide-screw loosened from locked position	20° ⁺⁵ ₀
Pump	Pump pressure with valve closed (oil temp./speed: 40°C (104°F) min/idle. Do not run for more than 5 seconds). kPa (kg/cm ² , psi)	8,000—9,000 (80—90, 1,138—1,280)
Power steering fluid	Fluid capacity ℓ (US qt, Imp qt) Reservoir At change	0.53 (0.56, 0.47) 1.7 (1.8, 1.5)
Power steering belt	Deflection with 100 N (10 kg, 22 lb·ft) between pulleys	11.5—13.5 (0.45—0.53) with used belt 7.5—9.5 (0.30—0.37) with new belt

Suspension — Section 18

	MEASUREMENT		STANDARD (NEW)	SERVICE LIMIT
Wheel alignment	Camber	Front	$0^{\circ}00' \pm 1^{\circ}$, $0^{\circ}15' \pm 1^{\circ}$ *	—
		Rear	$-0^{\circ}20' \pm 1^{\circ}$, $-0^{\circ}5' \pm 1^{\circ}$ *	—
	Caster	Front	$3^{\circ}45' \pm 1^{\circ}$, $3^{\circ}30' \pm 1^{\circ}$ *	—
		Rear	—	—
	Total toe	Front	Out 1 ± 2 (0.04 $\pm$ 0.08)	—
		Rear	In 2 ± 2 (0.08 $\pm$ 0.08)	—
Front wheel turning angle	Inward wheel	—	$44^{\circ} \pm 2^{\circ}$	—
		Outward wheel	35°	—
	Side slip	Front	Out 1 ± 2 (0.04 $\pm$ 0.08)	—
Wheel	Rim runout	Axial	0–0.7 (0–0.028)	—
		Radial	0–0.7 (0–0.028)	—
Wheel bearing	End play	Front	0	0.05 (0.002)
		Rear	0	0.05 (0.002)

*KY type

Brakes — Section 19

Brakes		Section 19			
	MEASUREMENT		STANDARD (NEW)	SERVICE LIMIT	
Parking brake lever (LHD)	Play in stroke at 200 N (20 kg, 44 lb) lever force		To be locked when pulled 8—12 notches	—	
Parking brake pedal (RHD)	Play in stroke at 300N (30 kg, 66 lb) pedal force		To be locked when pushed 6—8 notches	—	
Foot brake pedal	Pedal height (with floor mat removed) Free play		LHD: 213 (8.39), RHD: 200 (7.87) 1—5 (0.04-0.20)	— —	
Master cylinder	Piston-to-pushrod clearance		0—0.2 (0—0.008)	—	
Disc brake	Disc thickness	Front	23.0 (0.91)	21.0 (0.83)	
		Rear	28.0 (1.10)* ¹	26.0 (10.2)* ¹	
	Disc runout	Front	9.0 (0.35)	7.5 (0.30)	
		Rear	—	0.10 (0.004)	
	Disc parallelism	Front and rear	—	0.10 (0.004)	
		Front	11.0 (0.43)	0.015 (0.0006)	
	Pad thickness	Front	9.0 (0.35)	1.6 (0.06)	
		rear	9.0 (0.35)	1.6 (0.06)	
* ² Parking brake drum	I.D.	Rear	170 (6.69)	171 (6.73)	
	Lining thickness	Rear	2.5 (0.10)	1.0 (0.04)	
Brake booster	Characteristics at 200 N (20 kg, 44 lb) pedal force.		Line pressure kPa (kg/cm ² , PSi)		
	Vacuum	Types	LHD	RHD	
		0 mm (0 in) Hg		700 (7.0, 100) min.	820 (8.2, 117) min.
		300 mm (11.8 in) Hg		6,230 (62.3, 886) min.	6,190 (61.9, 880) min.
	500 mm (19.7 in) Hg		9,920 (99.2, 1,411) min.	9,780 (97.8, 1,391) min.	

*¹ Dual pot caliper type. *² Rear disc brake with drum parking brake type.

Standards and Service Limits

Air Conditioner — Section 22

	MEASUREMENT	STANDARD (NEW)
Air conditioner system	Lubricant capacity	Condenser
	cc (US oz, Imp oz)	Evaporator
		Line or hose
		Reservoir
Compressor	Lubricant capacity cc (US oz, Imp oz)	30 (1.01, 1.06)
	Stator coil resistance at 20°C (68°F) Ω	60 (2.03, 2.11)
	Pulley-to-pressure plate clearance	10 (0.34, 0.35)
Compressor belt	Deflection with 100 N (10 kg, 22 lb) between the pulleys	110–140 (3.72–4.73, 3.87–4.93)
		3.4–3.8
Compressor belt	Deflection with 100 N (10 kg, 22 lb) between the pulleys	0.35–0.65 (0.014–0.026)
		8–10 (0.31–0.39) with used belt
Compressor belt	Deflection with 100 N (10 kg, 22 lb) between the pulleys	5.0–6.5 (0.20–0.26) with new belt

Electrical — Section 23

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Ignition coil	Rated voltage V	12	
	Primary winding resistance Ω at 25°C (77°F)	1.0 $\pm$ 10%	
Spark plug	Type	See Section 23	
	Gap	1.0–1.1 (0.039–0.043)	
Ignition timing	At idling ° BTDC	15° $\pm$ 2° (Red) BTDC	
Alternator belt	Deflection with 100 N (10 kg, 22 lb-ft) between pulleys	9.5–11.5 (0.37–0.45) with used belt	
		5.5–7.5 (0.22–0.30) with new belt	
	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Alternator	Output 13.5 V at hot A @6,000 rpm	110	102
	Coil resistance (rotor) Ω	2.7–3.1	—
	Slip ring O.D.	14.2–14.4	12.8
	Brush length	10.5	3.5
	Brush spring tension g (oz)	300–360 (10.6–12.7)	—
Starting motor (MITSUBISHI)	Type/Output kW	Reduction, Field coil/2.0	—
	Mica depth	0.5–0.8 (0.020–0.031)	0.2 (0.008)
	Commutator runout	0–0.05 (0–0.002)	0.1 (0.004)
	Commutator O.D.	31.9–32.1 (1.256–1.264)	31.5 (1.240)
	Brush length	18.0 (0.709)	11.0 (0.433)
Starting motor (MITSUBA)	Brush spring tension N (kg, lb)	29.7–36.3 (2.97–3.63, 6.55–8.00)	—
	Type/Output kW	Reduction, Permanent magnet/2.0	—
	Mica depth	0.4–0.5 (0.016–0.020)	0.15 (0.006)
	Commutator runout	0–0.02 (0–0.001)	0.05 (0.002)
	Commutator O.D.	32.0–32.1 (1.260–1.264)	31.5 (1.240)
Starting motor (MITSUBA)	Brush length	16.8–17.2 (0.66–0.68)	10.0 (0.39)
	Brush spring tension N (kg, lb)	17–19 (1.7–1.9, 3.75–4.19)	—

Design Specification

specs

	ITEM		METRIC	ENGLISH	NOTES
Dimensions	Overall Length		4,950 mm	194.9 in	*KT type
	Overall Width		1,810 mm	71.3 in	
	Overall Height		1,410/1,400* mm	55.5/55.1* in	
	Wheelbase		2,910 mm	114.6 in	*KT type
	Track F/R		1,550/1,540 mm	61.0/60.6 in	
	Ground Clearance		160/150* mm	6.3/5.9* in	
	Seating Capacity		Five		
Weight	See page 3-17				
ENGINE	Type		Water cooled, 4-stroke SOHC gasoline engine		*Except European type
	Cylinder Arrangement		90° V6-cylinder		
Bore and Stroke		90.0 x 84.0 mm	3.54 x 3.31 in		
Displacement		3,206 cm ³ (cc)	196 cu in		
Compression Ratio		9.6 : 1, 9.0 : 1*			
Valve Train		Belt driven, SOHC			
Lubrication System		Forced and wet sump			
Fuel Required		With catalitic converter (except kQ): Super UNLEADED gasoline 95 R.O. N. or higher With catalitic converter (kQ): UNLEADED gasoline 91 R. O. N. or higher Without catalitic converter: LEADED gasoline 91 R. O. N. or higher			
STARTER	Type/Makes		Gear reduction coil/MITSUBISHI or Gear reduction, permanent magnet/ MITSUBA		
	Normal Output		2.0 kW		
	Nominal Voltage		12 V		
	Hour Rating		30 seconds		
	Direction of Rotation		Clockwise as viewed from gear end		
	Weight		5.2 kg	11.5 lb.	
CLUTCH	Cluth Type	M/T	Single plate dry, diaphragm spring		
		A/T	Torque converter		
	Clutch Lining Area	M/T	251 cm ²	39 sq in	
TRANSMISSION	Transmission	M/T A/T	Synchronized 5-speed forward, 1 reverse Electronically controlled 4-speed automatic, 1 reverse Direct 1 : 1		
	Primary Reduction		Direct 1 : 1		
	Type		Manual	Automatic	
	Gear Ratio	1st	2.973	2.476	
		2nd	1.692	1.451	
		3rd	1.151	0.973	
		4th	0.868	0.630	
		5th	0.682	—	
		Reverse	2.800	1.809	
	Secondary Reduction	Gear Type	Single helical gear		
		Gear ratio	1.433	1.394/1.333*	
Final Reduction	Gear type	Spiral bevel gear			
		3.133	3.133		

Design Specification

	ITEM		METRIC	ENGLISH	NOTES
AIR CONDITIONER	Cooling Capacity		4,900 Kcal/h	19,443 BTU/h	
	— Conditions:				
	Compressor Speed		1,800 min ⁻¹ (rpm)		
	Outside Air Temperature		27 °C	81 °F	
	Outside Air Humidity		50 %		
	Condenser Air Temperature		35 °C	95 °F	
	Condenser Air Velocity		4.5 m/sec	14.8 ft/sec	
	Blower Capacity		480 m ³ /h	16,954 cu ft/h	at 12 V
	Compressor	Type/Make No. of Cylinder Capacity Max. Speed Lubricant Capacity	Swash-plate type/NIPPON DENSO 10 207.4 cc/rev 7,600 min ⁻¹ (rpm) 120 cc	12.7 cu in/rev 4.06 (4.22) US (Imp) oz	
	Condenser	Type	Corrugated fin type		
Evaporator	Type	Corrugated fin type			
Blower	Type Motor Input Speed Control Max. Capacity	Sirocco fan 200 W/12 V Infinite variable 480 m ³ /h	16,954 cu ft/h	at 13.5 V	
Temp. control		Air-mix type			
Comp. clutch	Type Power Consumption	Dry, single plate, v-belt drive 40 W/12 V			
Refrigerant	Type Quantity	R 12 750 ⁺⁰ ₋₅₀ g 26.5 ⁺⁰ ₋₁ oz			
STEERING SYSTEM	Type Overall Ratio Turns, Lock-to-Lock Steering Wheel Dia.		Power assisted, rack and pinion 16.7 3.24 390 mm 150.0 in		
SUSPENSION	Type, Front		Independent double wishbone, coil spring with stabilizer		
	Type, Rear		Independent double wishbone, coil spring with stabilizer		
	Shock Absorber, Front and Rear		Telescopic, hydraulic nitrogen gas-filled		
WHEEL ALIGNMENT	Camber	Front Rear	0°00', 0°15'* -0°20', -0°5'* 3° 45', 3°30'*		* KY type
	Caster				
	Toe	Front Rear	Out 1.0 mm In 2.0 mm	Out 0.04 in In 0.08 in	
BRAKE SYSTEM	Type,	Front	Power assisted self-adjusting ventilated disc		
		Rear	Power assisted self-adjusting solid disc with parking brake drum		
	Pad and Lining Surface Area: Front Rear		58.0 cm ² 28.0 (49.0) cm ²	8.99 sq in 4.34 (7.60) sq in	(): Parking brake
	Parking Brake Kind and Type		Mechanical expanding drums, rear two wheels		

	ITEM	METRIC	ENGLISH	NOTES
TIRE	Size European type Australian type Except European type Winter tire	205/65 ZR 15 205/60 R 15 91 V 205/60 R 15 90 V 205/60 R.R15... T135/80 D16 (Spare tire)		
ELECTRICAL	Battery Starter Alternator Fuses In The Under-Dash Fuse Box In The Under-Hood Relay/Fuse Box Headlights (Low/High) Front Turn Signal Lights Front Position Lights Side Turn Signal Lights Rear Turn Signal Lights Brake/Tail Lights* ¹ Stop Lights* ² Tail lights Side Marker Lights Front Rear Back-up Lights Rear Fog Light* ³ High Mount Brake Light* ⁴ License Plate Lights Gauge Lights Indicator Lights Warning Lights Dome Lights and Rear Light Trunk Lights Door Courtesy Lights Illumination and Pilot Lights Heater Illumination Light (Manual A/C) Spot Light (front and rear)	12 V-61AH/5HR 12V-2.0 kW 12V-110A 7.5A, 10A, 15A, 20A, 30A 7.5A, 10A, 15A, 20A, 30A, 40A, 50A, 120A 12V-55/60W, 12V-55W/65W* ¹ 12V-21W, 12V-45CP* ¹ 12V-5W 12V-5W* ² 12V-21W, 12V-32CP* ¹ 12V-32/2CP 12V-21W 12V-10W, 12V-4CP* ¹ 12V-5W 12V-3CP 12V-21W, 12V-32CP* ¹ 12V-21W 12V-45CP 12V-8W* ¹ 12V-3.0W, 1.4W 12V-1.12W, 1.4W 12V-1.4W 12V-5W 12V-3.4W 12V-3.4W 12V-1.4W, 1.12W, 0.84W 12V-0.91W, 0.56W, LED 12V-1.4W 12V-5W		

*¹KY type only.

*²Except KY type

*³European type

*⁴Except European type

Design Specification

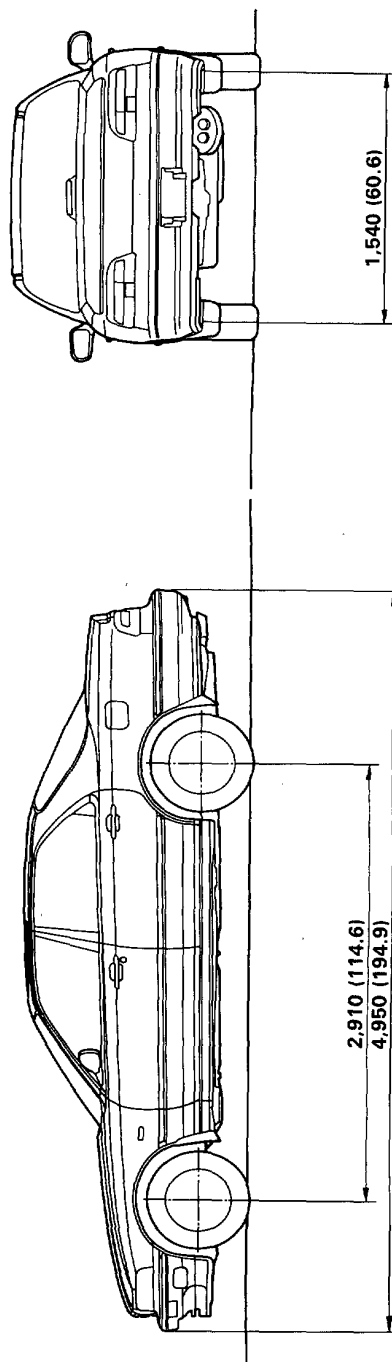
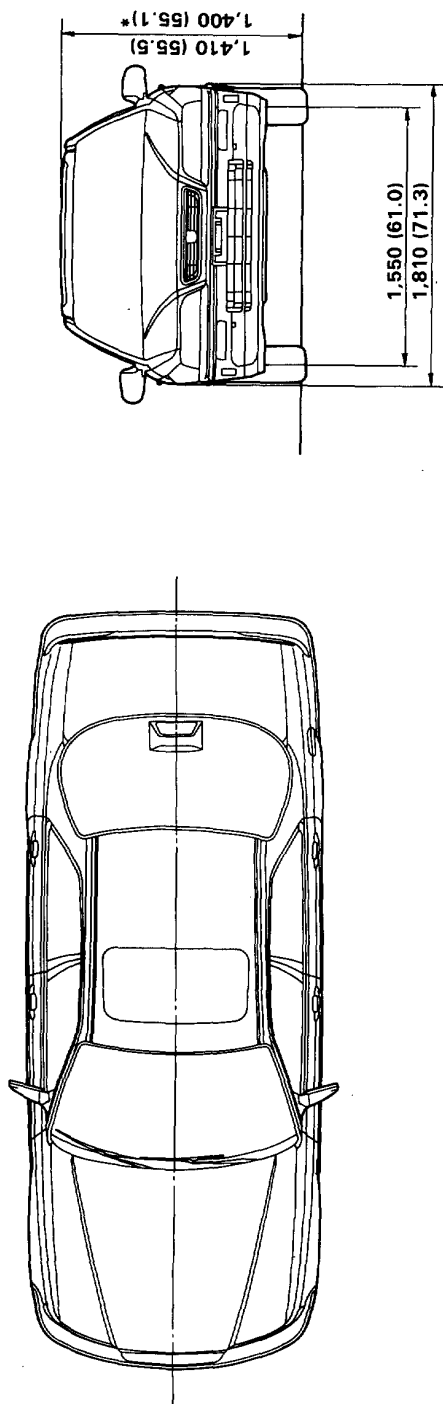
Weight Specifications						
	ITEM		METRIC	ENGLISH	NOTES	
Weight	Curb Weight	M/T wihtout SRS	1,550 kg	3,417 lb	KG, KS	
		A/T without SRS	1,570 Kg	3,461 lb	KG, KS	
			1,570 kg	3,461 lb	KY	
			1,565 kg	3,450 lb	KT	
		M/T with SRS	1,555 kg	3,428 lb	European (except KÉ)	
		A/T with SRS	1,575 kg	3,472 lb	European (except KE)	
			1,575 kg	3,472 lb	KE	
			1,570 kg	3,461 lb	KQ	
			1,575 kg	3,472 lb	KY	
			1,570 kg	3,461 lb	KT	
		Weight Distribution (FR/RR)	M/T without SRS	935/615 kg	2,061/1,356 lb	KG, KS
			A/T without SRS	950/620 kg	2,094/1,367 lb	KG, KS
				935/635 kg	2,061/1,400 lb	KY
				940/625 kg	2,072/1,378 lb	KT
	M/T with SRS		940/615 kg	2,072/1,356 lb	European (except KE)	
	A/T with SRS		955/620 kg	2,105/1,367 lb	European (except KE)	
			955/620 kg	2,105/1,367 lb	KE	
			945/625 kg	2,083/1,378 lb	KQ	
		940/635 kg	2,072/1,400 lb	KY		
		945/625 kg	2,083/1,350 lb	KT		
	Max. Permissible Weight (for European)		2,150 kg	4,740 lb		
	Max. Loaded Vehicle Weight (ADR)		1,983 kg	4,372 lb		

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Body Specifications

specs

Unit: mm (in)



*KT type

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