

Specifications

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Standards and Service Limits

Cylinder Head/Valve Train—Section 6

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Compression	250 rpm and wide open throttle kPa (kg/cm ² , psi) Nominal Minimum Maximum variation	1 450 (14.5, 206) 950 (9.5, 135) 200 (2.0, 28)	
Cylinder head	Warpage Height	99.95–100.05 (3.935–3.939)	0.05 (0.002)
Camshaft	End play Camshaft-to-holder oil clearance Total runout Cam lobe height	0.05–0.15 (0.002–0.006) 0.050–0.089 (0.002–0.004) 0.03 (0.001) max. 39.203 (1.5434) 38.875 (1.5305)	0.5 (0.02) 0.15 (0.006) 0.06 (0.002)
Valve	Valve clearance Valve stem O.D. Stem-to-guide clearance	IN 0.24–0.28 (0.009–0.011) EX 0.28–0.32 (0.011–0.013) IN 5.475–5.485 (0.2156–0.2159) EX 5.450–5.460 (0.2146–0.2150) IN 0.020–0.045 (0.0008–0.0018) EX 0.05–0.08 (0.002–0.003)	— — 5.445 (0.2144) 5.420 (0.2134) 0.075 (0.0030) 0.12 (0.005)
Valve seat	Width Stem installed height	IN 1.25–1.55 (0.049–0.061) EX 1.25–1.55 (0.049–0.061) IN 48.745–49.215 (1.9191–1.9376) EX 51.315–51.785 (2.0203–2.0388)	2.0 (0.079) 2.0 (0.079) 49.465 (1.9474) 52.035 (2.0486)
Valve spring	Free length	IN 52.13 (2.052) *1 EX 52.12 (2.052) *2 56.10 (2.209) *1 56.08 (2.208) *2	— — — —
Valve guide	I.D. Installed height	IN 5.505–5.520 (0.2167–0.2173) EX 5.51–5.53 (0.217–0.218) IN 24.75–25.25 (0.974–0.994) EX 16.05–16.55 (0.632–0.652)	5.52 (0.2173) 5.53 (0.218) — —
Rocker arm	Arm-to-shaft clearance	IN 0.017–0.050 (0.0007–0.0020) EX 0.018–0.054 (0.0007–0.0021)	0.08 (0.003) 0.08 (0.003)

*1: NIHON HATSUJO manufactured valve spring. *2: CHUO HATSUJO manufactured valve spring.

Specs

Engine Block—Section 7

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Cylinder block	Warpage of deck surface Bore diameter Bore taper Boreing limit	A 85.010–85.020 (3.3468–3.3472) B 85.000–85.010 (3.3465–3.3468) — —	0.10 (0.004) 0.070 (3.3492) 0.05 (0.002) 0.5 (0.02)
Piston	Skirt O.D. * Clearance in cylinder Groove width (for ring)	No Letter (A) B 84.980–84.990 (3.3457–3.3461) 84.970–84.980 (3.3453–3.3457) 0.010–0.040 (0.0004–0.0016) 1.22–1.23 (0.048–0.048) 1.22–1.23 (0.048–0.048) 2.805–2.825 (0.1104–0.1112)	84.970 (3.3453) 84.960 (3.3449) 0.05 (0.002) 1.25 (0.049) 1.25 (0.049) 2.85 (0.112)
Piston ring	Ring-to-groove clearance Ring end gap	Top Second Oil 0.035–0.060 (0.0014–0.0024) 0.030–0.055 (0.0012–0.0022) 0.20–0.35 (0.008–0.014) 0.40–0.55 (0.016–0.022) 0.20–0.70 (0.008–0.028)	0.13 (0.005) 0.13 (0.005) 0.60 (0.024) 0.70 (0.028) 0.80 (0.031)
Piston Pin	O.D. Pin-to-piston clearance	21.994–22.000 (0.8659–0.8661) 0.012–0.024 (0.0005–0.0009)	— —
Connecting rod	Pin-to-rod interference Small end bore diameter Large end bore diameter End play installed on crankshaft Small end bore-to-large end bore parallelism	0.013–0.032 (0.0005–0.0013) 21.968–21.981 (0.8649–0.8654) 48.0 (1.89) 0.15–0.30 (0.006–0.012) 0.12 (0.005)/100 max.	— — — 0.40 (0.016) 0.15 (0.006)/100
Crankshaft	Main journal diameter Rod journal diameter Taper Out-of-round End play Total runout	54.976–55.000 (2.1644–2.1654) 44.976–45.000 (1.7707–1.7717) 0.010 (0.0004) max. 0.010 (0.0004) max. 0.10–0.35 (0.004–0.014) 0.03 (0.001) max.	— — 0.01 (0.0004) 0.01 (0.0004) 0.45 (0.018) 0.06 (0.002)
Bearings	Main bearing-to-journal oil clearance Rod bearing-to-journal oil clearance	0.018–0.048 (0.0007–0.0019) 0.015–0.043 (0.0006–0.0017)	0.053 (0.0021) 0.05 (0.002)

*: Measured at 21.0 mm (0.83 in) from bottom at skirt

Engine Lubrication—Section 8

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Engine oil	Capacity ℓ (US qt, Imp qt)	5.2 (5.5, 4.6) for engine overhaul 4.3 (4.5, 3.8) for oil change, including filter	
Oil pump	Displacement ℓ (US qt, Imp qt)/min @rpm Inner-to-outer rotor radial clearance Housing-to-outer rotor radial clearance Housing-to-rotor axial clearance	60.0 (63.4, 52.8) @6,000 0.04–0.16 (0.002–0.006) 0.10–0.18 (0.004–0.007) 0.02–0.07 (0.001–0.003)	0.20 (0.008) 0.20 (0.008) 0.12 (0.005)
Relief valve	Pressure setting at oil temperature 176°F (80°C) at idle at 3,000 rpm	70 (10.7, 10) min. 350 (3.5, 50) min.	

Standards and Service Limits

Cooling—Section 10

	MEASUREMENT	STANDARD (NEW)
Radiator	Engine coolant capacity † (US qt, Imp qt) [including engine, heater, cooling line and reservoir] reservoir capacity: 0.70 † (0.74 US qt, 0.62 Imp qt)	M/T: 7.6 (8.0, 6.7) for overhaul 6.0 (6.3, 5.3) for coolant change A/T: 7.5 (7.9, 6.6) for overhaul 5.9 (6.2, 5.2) 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 °F (°C) Fully open °F (°C) Valve lift at fully open	Primary 176–183 (80–84) 181–189 (83–87) 203 (95) Secondary 10.0 (0.39) min. 8.5 (0.33) min.
Water pump	Displacement † (US qt, Imp qt)/min @rpm	150.0 (158.5, 132.0) @6,000
Radiator fan	Thermoswitch "ON" temperature °F (°C) Thermoswitch "OFF" temperature °F (°C)	194–205 (90–96) 181–196 (83–91)

Fuel and Emission—Section 11

	MEASUREMENT	STANDARD (NEW)
Fuel pump	Displacement cc (US oz, Imp oz) in 10 seconds Relief valve opening pressure kPa (kg/cm ² , psi)	230 (7.8, 8.1) min. 450–600 (4.5–6.0, 64.0–85.3)
Pressure	Pressure with regulator vacuum hose disconnected kPa (kg/cm ² , psi)	300–350 (3.0–3.5, 43–50)
Fuel tank	Capacity † (US gal, Imp gal)	65 (17.2, 14.3)
Engine	Fast idle rpm Idle speed rpm [with headlight and cooling fan off]	1400 M/T 700 (neutral) A/T 700 (P) or (N) position)
	Idle CO %	0.1 max.

Clutch—Section 12

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Clutch pedal	Clutch pedal height Stroke at pedal Total clutch pedal free play (include the pedal play) Pedal play Clutch pedal disengage- ment height	207.5 (8.17) 140–150 (5.51–5.91) 9–15 (0.35–0.59) 1.0–7.0 (0.04–0.28) 116.4 (4.58) min. 82.0 (3.23) min.	— — — — — —
Flywheel	Runout	0.05 (0.002) max.	0.15 (0.006)
Clutch disc	Rivet depth Surface runout Thickness	1.3 (0.05) min. 0.6 (0.02) max. 8.6–9.3 (0.34–0.37)	0.2 (0.01) 0.8 (0.03) 6.2 (0.24)
Pressure plate	Warpage	0.03 (0.001) max.	0.8 (0.03)

Manual Transmission—Section 13

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission oil	Capacity † (US qt, Imp qt)	2.0 (2.1, 1.8) for overhaul 1.8 (1.9, 1.6) for oil change	
Mainshaft	Diameter of needle bearing contact area Clutch housing side 3rd gear Diameter of ball bearing contact area Transmission housing side Runout	27.977–27.990 (1.1015–1.1020) 35.984–36.000 (1.4167–1.4173) 28.987–29.000 (1.1412–1.1417) 0.02 (0.001) max.	27.930 (1.0936) 35.930 (1.4146) 28.940 (1.1394) 0.05 (0.002)
Mainshaft 3rd gear	I.D. End play Thickness	41.009–41.025 (1.6145–1.6152) 0.05–0.20 (0.002–0.008) 27.92–27.97 (1.099–1.101)	41.080 (1.6173) 0.3 (0.01) 27.85 (1.097)
Mainshaft 4th gear	I.D. End play Thickness	41.009–41.025 (1.6145–1.6152) 0.05–0.17 (0.002–0.007) 34.92–34.97 (1.375–1.377)	41.080 (1.6173) 0.3 (0.012) 34.85 (1.372)
Distance collar (Mainshaft 4th gear)	I.D. O.D. Length	29.002–29.012 (1.1418–1.1422) 35.989–36.000 (1.4169–1.4173) 27.050–27.070 (1.0650–1.0657)	29.060 (1.1441) 35.940 (1.4150) 27.03 (1.064)
Mainshaft 5th gear	I.D. End play Thickness	41.009–41.025 (1.6145–1.6152) 0.05–0.17 (0.002–0.007) 31.42–31.47 (1.237–1.239)	41.080 (1.6173) 0.3 (0.01) 31.35 (1.234)
Distance collar (Mainshaft 5th gear)	I.D. O.D. Length	29.002–29.012 (1.1418–1.1422) 35.989–36.000 (1.4169–1.4173) 27.050–27.070 (1.0650–1.0657)	29.060 (1.1441) 35.940 (1.4150) 27.03 (1.064)
Countershaft	Diameter of needle bearing contact area Clutch housing side 1st gear Diameter of ball bearing contact area Transmission housing side Transmission cover side Runout	33.000–33.015 (1.2992–1.2998) 43.984–44.000 (1.7317–1.7323) 27.977–27.990 (1.1015–1.1020) 24.980–24.993 (0.9835–0.9840) 0.02 (0.001) max.	32.950 (1.2972) 43.930 (1.7295) 27.930 (1.0996) 24.930 (0.9815) 0.05 (0.002)
Countershaft 1st gear	I.D. End play (when tightened by the specified torque) Thickness	50.009–50.025 (1.9689–1.9695) 0.05–0.11 (0.002–0.004) 35.95–36.00 (1.415–1.417)	50.080 (1.9716) Adjust with a thrust shim 35.88 (1.413)
Countershaft 2nd gear	I.D. End play (when tightened by the specified torque) Thickness	46.009–46.025 (1.8114–0.8120) 0.06–0.135 (0.002–0.005) 33.92–33.97 (1.335–1.337)	46.080 (1.8142) 0.3 (0.01) 33.85 (1.333)
Distance collar (Countershaft 2nd gear)	I.D. O.D. Thickness	34.980–34.990 (1.3772–1.3776) 40.989–41.000 (1.6137–1.6142) 34.085–34.105 (1.3419–1.3427)	35.038 (1.3794) 40.940 (1.6118) —
Reverse idler gear	I.D. Gear-to-shaft clearance	20.054–20.081 (0.7895–0.7906) 0.074–0.122 (0.0029–0.0048)	20.109 (0.7917) 0.150 (0.0059)

specs

Unit of length: mm (in)

specs

Automatic Transmission — Section 14

(cont'd)

Automatic Transmission — Section 14

MEASUREMENT		STANDARD (NEW)	SERVICE LIMIT	
Transmission fluid	Capacity 4 (US qt, Imp qt)	7.2 (7.6, 6.3) for overhaul 2.5 (2.6, 2.2) for fluid change	800 (8.0, 114)	
Hydraulic pressure kPa (kg/cm ² , psi)	Line pressure at 2,000 rpm <u>N</u> or <u>P</u> position	850–900 (8.5–9.0, 121–128)	800 (8.0, 114)	
	1st clutch pressure at 2,000 rpm <u>D4</u> or <u>1</u> position			
	2nd clutch pressure at 2,000 rpm <u>D4</u> position	500 (5.0, 711) throttle fully closed	450 (4.5, 64) throttle fully closed	
	3rd clutch pressure at 2,000 rpm <u>D4</u> position	900 (9.0, 128) throttle more than 1/4 opened	800 (8.0, 114) throttle more than 1/4 opened	
	4th clutch pressure at 2,000 rpm <u>D4</u> position			
	2nd clutch pressure at 2,000 rpm <u>2</u> position	850–900 (8.5–9.0, 121–128)	800 (8.0, 114)	
	1st and 1st-hold clutch pressure at 2,000 rpm <u>1</u> position	850–900 (8.5–9.0, 121–128)	800 (8.0, 114)	
	Throttle B pressure	0 (0, 0) 500–530 (5.0–5.3, 71–75) 460–510 (4.6–5.1, 65–73)	— 470 (4.7, 67) 410 (4.1, 58)	
	Modulator pressure		—	
	Stall speed rpm (check with car on level ground)	2,200–2,500	—	
Clutch	Clutch initial clearance	0.80–1.00 (0.031–0.039) 0.65–0.85 (0.026–0.033) 0.55–0.75 (0.022–0.030)	— — —	
	1st			
	2nd, 3rd, 4th			
	Clutch return spring free length	33.2 (1.31) 33.9 (1.33) 32.0 (1.30) 31.0 (1.22)	31.2 (1.23) 31.9 (1.26) 30.0 (1.18) 29.0 (1.14)	
	1st			
	2nd, 4th			
	1st-hold			
	Clutch disc thickness	1.88–2.00 (0.074–0.079)	Until grooves worn out	
	Clutch plate thickness	1.95–2.05 (0.077–0.081)	Discoloration	
	1st, 3rd, 1st-hold			
2nd, 4th	2.25–2.35 (0.089–0.093)	Discoloration		
Clutch end plate thickness (1st, 1st-hold and 3rd)	Mark 1	2.05–2.10 (0.081–0.083)	Discoloration	
	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)		
	Mark 10	2.95–3.00 (0.116–0.118)		
* 1st and 1st-hold only	Mark 11*	3.05–3.10 (0.120–0.122)	Discoloration	
	Mark 12*	3.15–3.20 (0.124–0.126)		
	Mark 13*	3.25–3.30 (0.128–0.130)		
	Mark 14*	3.35–3.40 (0.132–0.134)		
	Clutch end plate thickness (2nd and 4th)	2.05–2.10 (0.081–0.083) 2.15–2.20 (0.085–0.087) 2.25–2.30 (0.089–0.091) 2.35–2.40 (0.093–0.094) 2.45–2.50 (0.096–0.102) 2.55–2.60 (0.100–0.102) 2.65–2.70 (0.104–0.106) 2.75–2.80 (0.108–0.110) 2.85–2.90 (0.112–0.114)		Discoloration
	Mark 1			
	Mark 2			
	Mark 3			
	Mark 4			
	Mark 5			
Mark 6				
Mark 7				
Mark 8				
Mark 9				

specs

Unit of length: mm (in

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Transmission (cont'd)	Mainshaft feed pipe O.D. Mainshaft feed pipe O.D. Countershaft feed pipe O.D. Countershaft feed pipe O.D. Mainshaft bushing I.D. Mainshaft bushing I.D. Countershaft bushing I.D. Countershaft bushing I.D. Diameter of needle bearing contact area On mainshaft and rotor shaft On mainshaft 1st gear collar On mainshaft 4th gear collar On mainshaft 2nd collar On countershaft (fr side) On countershaft 3rd gear distance collar On countershaft 1st gear collar On countershaft 4th gear On countershaft reverse gear collar On reverse idler gear shaft Reverse idler gear shaft holder I.D. Diameter of one-way clutch contact area Countershaft 1st gear I.D. Parking gear O.D. Selector hub O.D. Inside diameter Mainshaft 1st gear Mainshaft 2nd gear Mainshaft 4th gear Countershaft 1st gear Countershaft 3rd gear Countershaft 4th gear Countershaft reverse gear Reverse idler gear End play Mainshaft 1st gear Mainshaft 2nd gear Mainshaft 4th gear Countershaft 1st gear Countershaft 3rd gear Countershaft 4th gear Countershaft reverse gear Reverse idler gear	11.47-11.48 (0.4516-0.4520) 5.97-5.98 (0.2350-0.2354) 11.47-11.48 (0.4516-0.4520) 7.97-7.98 (0.3142-0.3142) 11.500-11.518 (0.4528-0.4535) 6.018-6.030 (0.2369-0.2374) 11.500-11.518 (0.4528-0.4535) 8.000-8.015 (0.3150-0.3156) 22.980-22.993 (0.9047-0.9052) 32.975-32.991 (1.2982-1.2989) 33.975-33.991 (1.3376-1.3382) 36.975-36.991 (1.4557-1.4563) 38.505-38.515 (1.5159-1.5163) 43.975-43.991 (1.7313-1.7319) 33.975-33.991 (1.3376-1.3382) 31.975-31.991 (1.2589-1.2593) 32.975-32.991 (1.2982-1.2989) 13.990-14.000 (0.5508-0.5512) 14.416-14.434 (0.5676-0.5683) 83.339-83.365 (3.2811-3.2821) 66.685-66.696 (2.6254-2.6258) 51.87-51.90 (2.042-2.043) 37.000-37.016 (1.4567-1.4573) 43.000-43.016 (1.6929-1.6935) 40.000-40.016 (1.5748-1.5754) 40.000-40.016 (1.5748-1.5754) 49.000-49.016 (1.9291-1.9298) 38.000-38.016 (1.4961-1.4967) 39.000-39.016 (1.5354-1.5361) 18.007-18.020 (0.7089-0.7094) 0.08-0.24 (0.003-0.009) 0.07-0.15 (0.003-0.006) 0.10-0.22 (0.004-0.009) 0.10-0.41 (0.004-0.016) 0.05-0.17 (0.002-0.007) 0.07-0.15 (0.003-0.006) 0.10-0.25 (0.004-0.010) 0.05-0.23 (0.002-0.009)	11.45 (0.451) 5.95 (0.234) 11.45 (0.451) 7.95 (0.313) 11.530 (0.4539) 6.045 (0.2380) 11.530 (0.4539) 8.030 (0.3161) Wear or damage ↓ Wear or damage — — — — — — — — Wear or damage
Secondary gear shaft taper roller bearing starting torque N·m (kg-cm, lb-in)		2.3-3.3 (23-33, 20-29)	—

Standards and Service Limits

Air Conditioning — Section 22

Unit of length: mm (in)

	MEASUREMENT	STANDARD (NEW)
Air conditioning system	Lubricant capacity cc (US oz, Imp oz) Evaporator Line or hose Receiver	20 (0.68, 0.70) 30 (1.01, 1.06) 10 (0.34, 0.35) 10 (0.34, 0.35)
Compressor	Lubricant capacity cc (US oz, Imp oz) Stator coil resistance at 68°F (20°C) Ω Pulley-to-pressure plate clearance	130—160 (4.40—5.41, 4.58—5.63) 3.4—3.8 0.35—0.65 (0.014—0.026)
Compressor belt	Deflection with 100 N (10 kg, 22 lbs) between pulleys	6.0—9.0 (0.24—0.35) with used belt 3.5—5.5 (0.14—0.22) with new belt

Electrical — Section 23

	MEASUREMENT	STANDARD (NEW)	SERVICE LIMIT
Ignition coil	Rated voltage V Primary winding resistance Ω at 77°F (25°C) Secondary winding resistance k Ω at 77°F (25°C)	12 0.3—0.5 10.8—16.2	
Spark plug	Type Gap	See Section 23 1.1 (0.43)	
Ignition timing	At idling *BTDC	15° \pm 2° (Red)	
Alternator belt	Deflection with 100 N (10 kg, 22 lbs) between pulleys	7.5—9.5 (0.30—0.37) with used belt 5.0—7.0 (0.20—0.28) with new belt	
Alternator (NIPPON-DENSO)	Output 13.5 V at hot A Brush length	100 10.5 (0.41)	1.5 (0.06)
Starter motor (MITSUBA 1.6 kW)	Type Mica depth Commutator runout Commutator O.D. Brush length Brush spring tension (new) N (kg, lbs)	Spur gear reduction, Permanent magnet 0.4—0.5 (0.016—0.020) 0—0.02 (0—0.001) 28.0—28.1 (1.102—1.106) 15.8—16.2 (0.62—0.64) 16.0—18.0 (1.60—1.80, 3.53—3.93)	0.15 (0.006) 0.05 (0.002) 27.5 (1.083) 11.0 (0.43)
Starter motor (MITSUBA 2.0 kW)	Type Mica depth Commutator runout Commutator O.D. Brush length Brush spring tension (new) N (kg, lbs)	Planetary gear reduction, Permanent magnet 0.4—0.5 (0.016—0.020) 0—0.02 (0—0.001) 32.0—32.1 (1.260—1.264) 16.8—17.2 (0.66—0.68) 17.0—19.0 (1.70—1.90, 3.75—4.19)	0.15 (0.006) 0.05 (0.002) 31.5 (1.240) 11.0 (0.43)
Starter motor (MITSUBISHI 2.0 kW)	Type Mica depth Commutator runout Commutator O.D. Brush length Brush spring tension (new) N (kg, lbs)	Planetary gear reduction, Field coil 0.5—0.8 (0.020—0.031) 0—0.05 (0—0.002) 31.9—32.1 (1.256—1.264) 18.0 (0.71) 29.7—36.3 (2.97—3.63, 6.55—8.00)	0.20 (0.008) 0.10 (0.004) 31.5 (1.240) 11.0 (0.43)

Design Specifications

ITEM	METRIC	ENGLISH	NOTES
Dimensions			
Overall Length	4,835 mm	190.4 in	
Overall Width	1,780 mm	70.1 in	
Overall Height	1,370 mm	53.9 in	
Wheelbase	2,805 mm	110.4 in	
Track Front/Rear	1,520/1,510 mm	59.8/59.4 in	
Ground Clearance	150 mm	5.9 in	
Seating Capacity	Five		
Weight (USA)	Gross Vehicle Weight Rating (GVWR)	1,925 kg	4,245 lbs
Weight (CANADA)	Gross Vehicle Weight Rating (GVWR)	1,925 kg	4,245 lbs
ENGINE	Type	Water-cooled, 4-stroke SOHC gasoline engine	
	Cylinder Arrangement	Inline 5-cylinder 30° slant mount	
	Bore and Stroke	85.0 x 86.4 mm	3.35 x 3.40 in
	Displacement	2,451 cm ³ (1cc)	149 cu-in
	Compression Ratio	9.0	
	Valve Train	Belt driven, SOHC 4 valves per cylinder	
	Lubrication System	Forced and wet sump, trochoid pump	
	Fuel Required	Premium UNLEADED grade gasoline with 91 Pump Octane Number or higher	
STARTER	Make/Type	MITSUBA/Spur gear reduction, permanent magnet 1.6 kW and Planetary gear reduction, permanent magnet 2.0 kW MITSUBISHI/Planetary gear reduction, field coil 2.0 kW MT: 1.6 kW A/T: 2.0 kW 12 V	
	Normal Output	30 seconds	
	Nominal Voltage	12 V	
	Hour Rating	Counterclockwise as viewed from gear end	
	Direction of Rotation	Approximate 4.7 kg 10.4 lbs	
	Weight		
CLUTCH	Clutch Type	M/T	
	Clutch Facing Area	A/T	
	Transmission	M/T	
TRANSMISSION	Primary Reduction	A/T	
	Type	Manual	
	Gear Ratio	Automatic	
	1st	3.071	2.647
	2nd	1.652	1.535
	3rd	1.156	0.975
	4th	0.864	0.653
	5th	0.666	—
	Reverse	3.075	1.904
	Secondary Reduction	Single helical gear	1.621
	Final Reduction	Hypoid spiral bevel gear	2.764
	Gear type	Gear ratio	2.764

specs

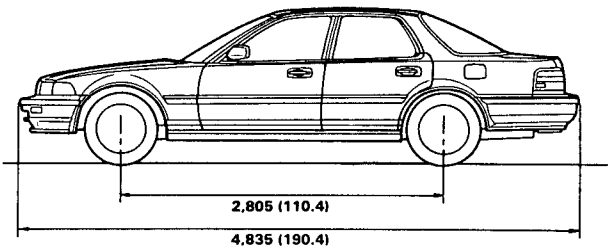
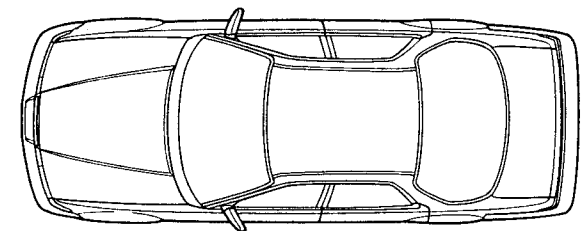
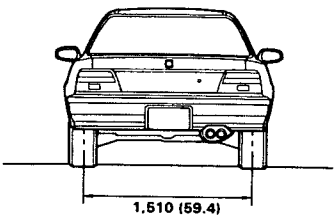
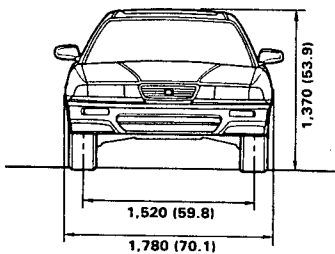
Design Specifications

(cont'd)

AIR CONDITIONING	ITEM	METRIC	ENGLISH	NOTES
	Cooling Capacity Conditions:	4,320 Kcal/h	17,142 BTU/h	
	Engine Speed	27°C	1,800 rpm	81°F
	Outside Air Temperature	35°C	50%	95°F
	Outside Air Humidity	4.5 m/sec	14.8 ft/sec	
	Condenser Air Temperature	500 m³/h	17,660 cu ft/h	at 12 V
	Blower Capacity			
	Compressor Type/Makes	Swash-plate type/NIPPONDENSO	10	
	No. of Cylinder	177.7 cc/rev	10.84 cu-in/rev	
	Capacity	8,800 rpm	4.73 US oz, 4.93 Imp oz	
	Max. Speed	140 cc		
	Lubricant Capacity			
	Condensor Type	Corrugated fin type		
	Evaporator Type	Corrugated fin type		
	Blower Type	Sirocco fan		
	Motor Input	200 W/12 V		
	Speed Control	Infinitely variable		
	Max. Capacity	500 m³/h min., 17,660 cu-ft/h min.		at 12 V
	Temp. Control	Air-mix type		
	Comp. Clutch Type	Dry, single plate, Poly-V-belt drive		
	Power Consumption	40 W max./12 V		
	Refrigerant Type	R 12		
	Quantity	800 ± 50 g	26.5 ± 1.8 oz	
STEERING SYSTEM	Type	Power assisted, rack and pinion		
	Overall Ratio	17.34		
	Turns, Lock-to-Lock	3.52		
SUSPENSION	Steering Wheel Dia.	380 mm	15.0 in	
	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	ITEM	METRIC	ENGLISH	NOTES
	Camber	Front	0°00'	
	Caster	Rear	-0°30'	
	Toe	Front	1°38'	
BRAKE SYSTEM	Type	Front	0 in	
	Pad Surface Area:	Rear	In 0.12 in	
	Parking Brake Kind and Type	Front		
TIRE	Size	Power-assisted self-adjusting ventilated disc		
		58.0 cm² x 2	8.99 sq-in x 2	
		27.9 cm² x 2	4.32 sq-in x 2	
ELECTRICAL	Battery	Mechanical actuating, rear two wheel brakes		
	Starter			
	Alternator			
	Fuses	205/60 R 15 91 H		
	In The Under-dash Fuse/Relay Box	T135/80 D 15 (Spare tire)		
	In The Under-hood Fuse/Relay Box			
	Headlights	High		
	Front Turn Signal Lights	Low		
	Front Parking Lights			
	Rear Turn Signal Lights	7.5 A, 10 A, 15 A, 20 A, 30 A		
	Brake/Tailights (and Rear Side Marker Lights)	7.5 A, 10 A, 15 A, 20 A, 30 A, 40 A.		
	Front Fog Lights	50 A, 120 A		
	High Mount Brake Light	12 V-65 W		
	Front Side Marker Lights	12 V-55 W		
	Back-up Lights	12 V-45 CP		
	License Plate Light	12 V-3 CP		
	Dome Lights (front and rear reading lights)	12 V-45 CP		
	Trunk Light	12 V-32 CP		
	Door Courtesy Lights	12 V-5 W		
	Vanity mirror light	12 V-3.4 W		
	Gauge Lights	12 V-3.4 W		
	Warning Lights	12-2 W		
	Illumination and Pilot Lights	12 V-3.0 W, 1.4 W, 1.7 W		
	Heater Illumination Lights	12 V-0.84 W, 1.12 W, 1.4 W, 2.0 W		
		12 V-1.4 W, 1.12 W, 0.84 W		
		12 V-0.91 W, 0.56 W, LED		
		12 V-1.4 W		

Body Specifications



Unit: mm (in)

Maintenance

Lubrication Points 4-2
Maintenance Schedule 4-4

