

# Design Specification

	ITEM		METRIC		ENGLISH	NOTES
DIMENSIONS	Overall Length		4,955 mm		195.1 in	
	Overall Width		1,810 mm		71.3 in	
	Overall Height		1,400 mm		55.1 in	
	Wheelbase		2,910 mm		114.6 in	
	Track Front/Rear		1,550/1,540 mm		61.0/60.6 in	
	Ground Clearance		150 mm		5.9 in	
	Seating Capacity		Five			
WEIGHT	Gross Vehicle Weight Rating (GVWR)		2,040 kg		4,500 lbs.	
ENGINE	Type		Water cooled, 4-stroke SOHC gasoline engine			
	Cylinder Arrangement		90° V6-cylinder			
	Bore and Stroke		90.0 x 84.0 mm		3.54 x 3.31 in	
	Displacement		3,206 cm <sup>3</sup> (mℓ)		196 cu-in	
	Compression Ratio		9.6			
	Valve Train		Belt driven, SOHC			
	Lubrication System		Forced and wet sump, trochoid pump			
	Oil Pump Displacement		42.3 ℓ/min		44.7 US qt/min 39.3 Imp qt/min	at 6,000 pump rpm
	[At oil temp. 248°F (120°C)]					
	Fuel Required		Premium UNLEADED gasoline			
STARTER	Type/Make		Planetary gear reduction, permanent magnet/MITSUBISHI			
	Normal Output		2.0 kW			
	Nominal Voltage		12 V			
	Hour Rating		30 seconds			
CLUTCH	Clutch Type	M/T	Single plate dry, diaphragm spring			
	Clutch Lining Area	M/T	Torque converter			
TRANS-MISSION	Transmission	M/T	Synchronized 5-speed and 6-speed forward, 1 reverse			
		A/T	Electronically controlled			
	Primary Reduction		4-speed automatic, 1 reverse			
			Direct 1 : 1			
	Type		Manual		Automatic	
			L	GS		
	Gear Ratio	1st	2.937	2.937	2.458	*1: L, LS
		2nd	1.692	1.692	1.454	*2: GS
		3rd	1.060	1.151	0.973*1, 0.948*2	
		4th	0.769	0.868	0.630	
		5th	0.581	0.682	—	
		6th	—	0.521	—	
		Reverse	3.186	3.186	1.826	
	Secondary Reduction	Gear Type	Single helical gear			
		Gear ratio	1.433		1.394*1/1.333*1 1.527*2	USA/CANADA
	Final Reduction	Gear type	Spiral bevel gear			
		Gear ratio	3.133		3.133	

(cont'd)

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AIR CONDITIONING	Cooling Capacity		4,900 Kcal/h	19,443 BTU/h	
	Compressor	Type/Make No. of Cylinder Capacity Max. Speed Lubricant Capacity	Swash-plate/NIPPONDENSO 10 207.4 cm <sup>3</sup> /rev   12.7 cu-in/rev 7,600 rpm 140 ml   4-2/3 fl oz, 5 Imp oz		Lubricant type: ND-OIL8
	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 <sup>3</sup> /h   16,954 cu-ft/h		at 13.5 V
	Temp control		Air-mix type		
	Compressor clutch	Type Power Consumption	Dry, single plate, poly-V-belt drive 40 W/12 V		
	Refrigerant	Type Quantity	HFC-134a (R-134a) 750 <sup>+0</sup> <sub>-50</sub> g   26.5 <sup>+0</sup> <sub>-1.8</sub> oz		
STEERING SYSTEM	Type Overall Ratio Turns, Lock-to-Lock Steering Wheel Dia.		Power assisted, rack and pinion 16.7 3.64 390 mm   15.4 in		
SUSPENSION	Type	Front Rear	Independent double wishbone, coil spring with stabilizer 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°20' 3°45'		
	Caster Toe	Front Rear	Out 1.0 mm In 2.0 mm	Out 0.04 in In 0.08 in	
BRAKE SYSTEM	Type	Front Rear	Power assisted self-adjusting ventilated disc Power assisted self-adjusting solid disc with parking brake drum		
	Pad and Lining Surface Area: Front Rear Parking Brake	Front Rear Type	58.0 cm <sup>2</sup> 28.0 (49.0) cm <sup>2</sup> Mechanical expanding drums, rear two wheels	8.99 sq-in 4.34 (7.60) sq-in	( ): Parking brake

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	ITEM	METRIC	ENGLISH	NOTES
TIRE	Size	L, LS models: 205/60 R15 91 V GS model: 215/55 R16 91 V L, LS models: T135/80 D16 (Spare tire) GS model: T145/80 D16 (Spare tire)		
ELECTRICAL	Battery Starter Alternator Fuses In The Under-dash Fuse/Relay Box In The Under-hood Fuse/Relay Box  Headlights, High, Low Front Turn Signal Lights Front Position Lights Rear Turn Signal Lights Brake/Taillights Taillights Side Marker Lights      Front Rear  Back-up Lights High Mount Brake Light License Plate Lights Ceiling Lights              Front and rear Trunk Light Door Courtesy Lights Vanity Mirror Lights      Left and Right Gauge Lights Indicator Lights Illumination and Pilot Lights  Heater Illumination Light (Manual A/C)	12 V—72 AH/5HR 12 V—2.0 kW 12 V—110 A  7.5 A, 10 A, 15 A, 20 A, 30 A 7.5 A, 10 A, 15 A, 20 A, 30 A, 40 A, 50 A, 120 A 12 V—55 W/65 W (Low/High) 12 V—45 CP 12 V—5 W 12 V—45 CP 12 V—32/2 CP 12 V—4 CP 12 V—5 W 12 V—3 CP 12 V—32 CP 12 V—45 CP 12 V—8 W 12 V—5 W 12 V—3.4 W 12 V—3.4 W 12 V—1.8 W 12 V—3.0 W, 1.4 W, 0.91 W 12 V—1.12 W, 1.4 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		(SAE 3497) (SAE 3652) (SAE 3497) (SAE 2057) (SAE 67)  (SAE 168) (SAE 1156)