2003-06 GENERAL INFORMATION

Specifications - MDX

STANDARDS AND SERVICE LIMITS

ENGINE ELECTRICAL

ENGINE ELECTRICAL STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit
Ignition coil	Rated voltage	12V		
	Firing order	1-4-2-5-3-6		
Sparkplug	Type	NGK:IZFR5K11 DENSO.-SKJ16DR-M11		
	Gap	1.0-1.1 mm (0.039-0.043 in.)		-
Ignition timing	At idle Check the red mark	In N or P position	10+/-2°BTDC	
Drive belt	Tension	Auto tensioner		
Alternator	Output	At 13.5 V and normal engine temperature	130 A	
	Coil (rotor) resistance	At 68°F (20°C)	2.3-2.7 k ohm	
	Slip ring O.D.	14.2-14.4 mm (0.56-0.57 in.)		13.8 mm (0.54 in.)
	Brush length	10.5 mm (0.41 in.)		1.5 mm (0.06 in.)
	Brush spring tension	2.94-3.53 N (0.30-0.36 kgf, 0.66-0.80 lbf)		
Starter	Output	1.6 kW		
	Commutator mica depth	0.4-0.6 mm (0.016-0.024 in.)		0.20 mm (0.008 in.)
	Commutator runout	0.05 mm (0.002 in.) max.		0.1 mm (0.004 in.)
	Commutator O.D.	29.3-29.5 mm (1.154-1.161 in.)		28.8 mm (1.134 in.)
	Brush length	7.7-8.0 mm (0.30-0.31 in.)		0.9 mm (0.04 in.)
	Brush spring tension (new)	15.9-19.5 N (1.62-1.99 kgf, 3.57-4.39 lbf)		

ENGINE ASSEMBLY

ENGINE ASSEMBLY STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service

cardiagn.com

				Limit
Compression	Pressure Check the engine with the starter cranking	Minimum	930 kPa (9.5 kgf/cm^2 , 135 psi)	-
		Maximum variation	200 kPa (2.0 kgf/cm^2 , 28 psi)	-

CYLINDER HEAD

CYLINDER HEAD STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit	
Head	Warpage	-			0.05 mm (0.002 in.)
	Height	120.95-121.05 mm (4.762-4.766 in.)		-	
Camshaft	End play	0.05-0.20 mm (0.002-0.008 in.)			0.20 mm (0.008 in.)
	Camshaft-to-holder oil clearance	0.050-0.089 mm (0.0020-0.0035 in.)		0.15 mm (0.006 in.)	
	Total runout	0.03 mm (0.001 in.) max.		0.04 mm (0.002 in.)	
	Cam lobe height	Intake, primary	35.041 mm (1.3796 in.)	-	
		Intake, mid	36.445 mm (1.4348 in.)	-	
		Intake, secondary	35.284 mm (1.3891 in.)	-	
		Exhaust	36.326 mm (1.4302 in.)	-	
Valve	Clearance (cold)	Intake	0.20-0.24 mm (0.008-0.009 in.)	-	
		Exhaust	0.28-0.32 mm (0.011-0.013 in.)	-	
	Stem O.D.	Intake	5.485-5.495 mm (0.2159-0.2163 in.)	5.455 mm (0.2148 in.)	
		Exhaust	5.450-5.460 mm (0.2146-0.2150 in.)	5.420 mm (0.2134 in.)	
	Stem-to-guide clearance	Intake	0.020-0.045 mm (0.0008-0.0018 in.)	0.08 mm (0.003 in.)	
		Exhaust	0.055-0.080 mm (0.0022-0.0031 in.)	0.11 mm (0.004 in.)	
Valve seat	Width	Intake	1.25-1.55 mm (0.049-0.061 in.)	2.00 mm (0.079 in.)	
		Exhaust	1.25-1.55 mm (0.049-	2.00 mm	

cardiagn.com

			0.061 in.)	(0.079 in.)	
	Stem installed height	Intake	46.75-47.55 mm (1.841-1.872 in.)	47.80 mm (1.882 in.)	
		Exhaust	46.68-47.48 mm (1.838-1.869 in.)	47.73 mm (1.879 in.)	
Valve spring	Free length	Intake	51.54 mm (2.029 in.)	-	
		Exhaust	51.06 mm (2.010 in.)	-	
Valve guide	I.D.	Intake	5.515-5.530 mm (0.2171-0.2177 in.)	5.55 mm (0.219 in.)	
		Exhaust	5.515-5.530 mm (0.2171-0.2177 in.)	5.55 mm (0.219 in.)	
	Installed height	Intake	21.20-22.20 mm (0.835-0.874 in.)	-	
		Exhaust	20.63-21.63 mm (0.812-0.852 in.)	-	
Rocker arm	Arm-to-shaft clearance	Intake	0.026-0.067 mm (0.0010-0.0026 in.)	0.067 mm (0.0026 in.)	
		Exhaust	0.026-0.077 mm (0.0010-0.0030 in.)	0.077 mm (0.0030 in.)	

ENGINE BLOCK

ENGINE BLOCK STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit	
Block	Warpage of deck	0.07 mm (0.003 in.) max.			0.10 mm (0.004 in.)
	Bore diameter	89.000-89.015 mm (3.5039-3.5045 in.)		89.065 mm (3.5065 in.)	
	Bore taper	-		0.05 mm (0.002 in.)	
	Reboring limit	-		0.25 mm (0.01 in.)	
Piston	Skirt O.D. at 16.0 mm (0.63 in.) from bottom of skirt	88.975-88.985 mm (3.5029-3.5033 in.)			88.965 mm (3.5026 in.)
	Clearance in cylinder	0.015-0.040 mm (0.0006-0.0016 in.)		0.08 mm (0.003 in.)	
	Ring groove width	Top	1.240-1.250 mm (0.0488-0.0492 in.)	1.27 mm (0.050 in.)	
		Second	1.220-1.230 mm (0.0480-0.0484 in.)	1.25 mm (0.049 in.)	
			2.805-2.825 mm		

cardiagn.com

		Oil	(0.1104-0.1112 in.)	2.85 mm (0.112 in.)	
Piston ring	Ring-to-groove clearance	Top	0.055-0.080 mm (0.0022-0.0031 in.)	0.15 mm (0.006 in.)	
		Second	0.030-0.055 mm (0.0012-0.0022 in.)	0.13 mm (0.005 in.)	
	Ring end gap	Top	0.20-0.35 mm (0.008-0.014 in.)	0.60 mm (0.024 in.)	
		Second	0.40-0.55 mm (0.016-0.022 in.)	0.70 mm (0.028 in.)	
		Oil	0.20-0.70 mm (0.008-0.028 in.)	0.80 mm (0.031 in.)	
Piston pin	O.D.	21.962-21.965 mm (0.8646-0.8648 in.)			21.954 mm (0.8643 in.)
	Pin-to-piston clearance	-0.0050 to +0.0010 mm (-0.00020 to +0.00004 in.)		0.004 mm (0.0002 in.)	
Connecting rod	Pin-to-rod clearance	0.005-0.014 mm (0.0002-0.0006 in.)			0.019 mm (0.0007 in.)
	Small-end bore diameter	21.970-21.976 mm (0.8650-0.8652 in.)		-	
	Large-end bore diameter	58.0 mm (2.28 in.)		-	
	End play installed on crankshaft	0.15-0.35 mm (0.006-0.014 in.)		0.45 mm (0.018 in.)	
Crankshaft	Main journal diameter	71.976-72.000 mm (2.8337-2.8346 in.)			-
	Rod journal diameter	54.976-55.000 mm (2.1644-2.1654 in.)		-	
	Rod/main journal taper	0.005 mm (0.0002 in.) max.		0.010 mm (0.0004 in.)	
	Rod/main journal out-of-round	0.005 mm (0.0002 in.) max.		0.010 mm (0.0004 in.)	
	End play	0.10-0.35 mm (0.004-0.014 in.)		0.45 mm (0.018 in.)	
	Runout	0.025 mm (0.0010 in.) max.		0.03 mm (0.0012 in.)	
Crankshaft bearing	Main bearing-to-journal oil clearance	0.020-0.044 mm (0.0008-0.0017 in.)			0.050 mm (0.0020 in.)
	Rod bearing clearance	0.020-0.044 mm (0.0008-0.0017 in.)		0.050 mm (0.0020 in.)	

ENGINE LUBRICATION

ENGINE LUBRICATION STANDARDS AND SERVICE LIMITS SPECIFICATION

cardiagn.com

Item	Measurement	Qualification	Standard or New	Service Limit	
Engine oil	Capacity	Engine overhaul	5.0 L (5.3 US qt)		
		Oil change, including filter	4.3 L (4.5 US qt)		
		Oil change, without filter	4.0 L (4.2 US qt)		
Oil pump	Inner-to-outer rotor clearance	0.04-0.16 mm (0.002-0.006 in.)			0.20 mm (0.008 in.)
	Pump housing-to-outer rotor clearance	0.10-0.19 mm (0.004-0.007 in.)		0.20 mm (0.008 in.)	
	Pump housing-to-outer rotor axial clearance	0.02-0.07 mm (0.001-0.003 in.)		0.12 mm (0.005 in.)	
	Oil pressure with oil temperature at 176°F (80°C)	At idle	70 kPa (0.7 kgf/cm^2 ,10 psi)		
		At 3,000 rpm	490 kPa (5.0 kgf/cm^2 , 71 psi)		

COOLING

COOLING STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New
Radiator	Coolant capacities (including engine, heater, hoses, and reservoir) Use Acura Long Life Antifreeze/Coolant Type 2	Engine overhaul	9.0 L (2.38 US gal)
		Coolant change	7.1 L (1.88 US gal)
Reservoir	Coolant capacity	0.6 L (0.16 US gal)	
Radiator cap	Opening pressure	93-123 kPa (0.95-1.25 kgf/cm^2 , 14-18 psi)	
Thermostat	Opening temperature	Begins to open	169-176 °F (76-80 °C)
		Fully open	194°F (90°C)
	Valve lift at fully open	10.0 mm (0.39 in.) min.	

FUEL AND EMISSIONS

FUEL AND EMISSION STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New
Fuel pressure regulator	Pressure with regulator vacuum hose disconnected	390-440 kPa (4.0-4.5 kgf/cm^2 , 57-64 psi)	
Fuel tank	Capacity	72.7 L (19.21 US gal)	
Engine idle	Idle speed without load	In N or P position	730+/-50 rpm

cardiagn.com

	Idle speed with high electric load (A/C switch ON, temperature set to Max Cool, blower fan on High, rear window defogger ON, and headlights on high beam)	In N or P position	730+/-50 rpm

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit	
ATF (Automatic Transmission Fluid)	Capacity Use Acura ATF-Z1	Fluid change	2.7 L (2.9 US qt)		
		Overhaul	7.3 L (7.7 US qt)		
ATF pressure	Line pressure	At 2,000 rpm in N or P position	900-960 kPa (9.2-9.8 kgf/cm^2 , 130-140 psi)	850 kPa (8.7 kgf/cm^2 ,120 psi)	
	5th clutch pressure	At 2,000 rpm in D5 position	890-970 kPa (9.1-9.9 kgf/cm^2 , 130-140 psi)	840 kPa (8.6 kgf/cm^2 ,120 psi)	
	4th clutch pressure	At 2,000 rpm in D4 position	890-970 kPa (9.1-9.9 kgf/cm^2 , 130-140 psi)	840 kPa (8.6 kgf/cm^2 ,120 psi)	
	3rd clutch pressure	At 2,000 rpm in D3 position	890-970 kPa (9.1-9.9 kgf/cm^2 , 130-140 psi)	840 kPa (8.6 kgf/cm^2 ,120 psi)	
	2nd clutch pressure	At 2,000 rpm in 2 position	890-970 kPa (9.1-9.9 kgf/cm^2 , 130-140 psi)	840 kPa (8.6 kgf/cm^2 ,120 psi)	
	1st clutch pressure	At 2,000 rpm in 1 position	890-970 kPa (9.1-9.9 kgf/cm^2 , 130-140 psi)	840 kPa (8.6 kgf/cm^2 ,120 psi)	
	1st-hold clutch pressure	At 2,000 rpm in 1 position	760-830 kPa (7.7-8.5 kgf/cm^2 , 110-120 psi)	710 kPa (7.2 kgf/cm^2 ,100 psi)	
Torque	Stall speed Check with vehicle on	1,950 rpm			1,800-

cardiagn.com

converter	level ground				2,100 rpm
Clutch	Clutch end-plate-to-top-disc clearance	1st	-	1.1-1.3 mm (0.043-0.051 in.)	
		2nd	-	1.0-1.2 mm (0.039-0.047 in.)	
		3rd	-	0.7-0.9 mm (0.028-0.035 in.)	
		4th and 5th	-	0.55-0.75 mm (0.022-0.030 in.)	
		1st-hold	-	0.5-0.9 mm (0.020-0.035 in.)	
	Clutch return spring free length	1st	68.3 mm (2.69 in.)	66.3 mm (2.61 in.)	
		2nd	48.3 mm (1.90 in.)	46.3 mm (1.82 in.)	
		3rd	52.0 mm (2.05 in.)	50.0 mm (1.97 in.)	
		4th	37.7 mm (1.48 in.)	35.7 mm (1.41 in.)	
		5th	37.4 mm (1.47 in.)	35.4 mm (1.39 in.)	
	Clutch disc thickness	1.94 mm (0.076 in.)		-	
	Clutch plate thickness	1st	1.6 mm (0.06 in.)	When discolored	
		2nd	1.8 mm (0.07 in.)	When discolored	
		3rd, 4th, and 5th	2.0 mm (0.079 in.)	When discolored	
		1st-hold	1.8 mm (0.07 in.)	When discolored	
	1st clutch end plate thickness	Mark 1	3.1 mm (0.122 in.)	When discolored	
		Mark 2	3.2 mm (0.126 in.)	When discolored	
		Mark 3	3.3 mm (0.130 in.)	When discolored	
		Mark 4	3.4 mm (0.134 in.)	When discolored	
			3.5 mm	When	

cardiagn.com

		Mark 5	(0.138 in.)	discolored	
		Mark 6	3.6 mm (0.142 in.)	When discolored	
		Mark 7	3.7 mm (0.146 in.)	When discolored	
		Mark 8	3.8 mm (0.150 in.)	When discolored	
		Mark 9	3.9 mm (0.154 in.)	When discolored	
	1st-hold clutch plate B thickness	5.0 mm (0.197 in.)		When discolored	
	2nd, 3rd, 4th, and 5th clutch end plate thickness	Mark 1	2.1 mm (0.083 m.)	When discolored	
		Mark 2	2.2 mm (0.087 in.)	When discolored	
		Mark 3	2.3 mm (0.091 in.)	When discolored	
		Mark 4	2.4 mm (0.094 in.)	When discolored	
		Mark 5	2.5 mm (0.098 in.)	When discolored	
		Mark 6	2.6 mm (0.102 in.)	When discolored	
		Mark 7	2.7 mm (0.106 in.)	When discolored	
		Mark 8	2.8 mm (0.110 in.)	When discolored	
		Mark 9	2.9 mm (0.114 in.)	When discolored	
Stator shaft	I.D. at needle bearing contact area	Torque converter side	27.000-27.021 mm (1.063-1.064 in.)	When worn or damaged	
		ATF pump side	31.000-31.025 mm (1.220-1.221 in.)	-	
	I.D. at mainshaft sealing ring contact area	31.000-31.025 mm (1.220-1.221 in.)		31.05 mm (1.222 in.)	
ATF pump	Gear-to-body thrust clearance	0.03-0.06 mm (0.001-0.002 in.)			0.07 mm (0.003 in.)
	Gear-to-body clearance	Drive gear	0.210-0.265 mm (0.008-0.010 in.)	-	

cardiagn.com

		Driven gear	0.070-0.125 mm (0.003-0.005 in.)	-	
	Driven gear I.D.	14.016-14.034 mm (0.5518-0.5525 in.)		When worn or damaged	
	Driven gear shaft O.D.	13.980-13.990 mm (0.5504-0.5508 in.)		When worn or damaged	
Reverse shift fork	Fork finger thickness	5 90-6.00 mm (0.220-0.236 in.)			5.4 mm (0.213 in.)
Park gear and pawl	-	-			When worn or damaged
Regulator valve body	Shift fork shaft bore I.D.	14.000-14.010 mm (0.5512-0.5516 in.)			-
	Shift fork shaft/servo valve bore I.D.	37.000-37.039 mm (1.4567-1.4582 in.)		37.045 mm (1.4585 in.)	
	Mainshaft sealing ring contact I.D.	31.000-31.025 mm (1.220-1.221 in.)		31.05 mm (1.222 in.)	
Main valve body	Third shaft sealing ring contact I.D	35.000-35.025 mm (1.3780-1.3789 in.)			35.05 mm (1.3799 in.)
ATF guide collar	Secondary shaft sealing ring contact I.D.	29.000-29.021 mm (1.1417-1.1426 in.)			29.05 mm (1.1437 in.)
Mainshaft	Diameter at stator shaft needle bearing contact area	22.984-23.000 mm (0.9049-0.9055 in.)			When worn or damaged
	5th gear collar diameter at needle bearing contact area	39.975-39.991 mm (1.5738-1.5744 in.)		When worn or damaged	
	5th gear collar length	48.7-48.8 mm (1.917-1.921 in.)		-	
	5th gear collar flange thickness	5.15-5.30 mm (0.203-0.209 in.)		When worn or damaged	
	5th gear I.D.	46.000-46.016 mm (1.8110-1.8116 in.)		When worn or damaged	
	5th gear axial clearance	0.10-0.22 mm (0.004-0.009 in.)		-	
	Sealing ring thickness	1 90-1.96 mm (0.074-0.077 in.)		1.85 mm (0.073 in.)	
	Sealing ring groove width	2.025-2.060 mm (0.080-0 081 in.)		2 08 mm (0.082 in.)	
Countershaft	Diameter at bearing contact area	Torque converter	40.505-40.515 mm	When worn or	

cardiagn.com

	housing bearing	(1.5947-1.5951 in.)	damaged
	5th gear	34.975-34.991 mm (1.3770-1.3776 in.)	When worn or damaged
Diameter of 2nd gear at needle bearing contact area	56.975-56.991 mm (2.2431-2.2437 in.)		When worn or damaged
Reverse gear collar O.D.	39.979-40.000 mm (1.5740-1.5748 in.)		When worn or damaged
Reverse selector hub O.D.	55.885-55.900 mm (2.200-2.201 in.)		When worn or damaged
Cotter thickness	1.99-2.02 mm (0.078-0.080 in.)		-
I.D. of gears	5th gear	41.000-41.016 mm (1.6142-1.6148 in.)	When worn or damaged
	Idler gear	65.000-65.019 mm (2.5590-2.5598 in.)	When worn or damaged
	Reverse gear	46.000-46.016 mm (1.8110-1.8116 in.)	When worn or damaged
Axial clearance of gears	2nd gear	0.005-0.040 mm (0.0002-0.0016 in.)	-
	5th gear	0.12-0.27 mm (0.0047-0.0106 in.)	-
	Idler gear	0.005-0.040 mm (0.0002-0.0016 in.)	-
	Reverse gear	0.10-0.25 mm (0.0039-0.0098 in.)	-
56 mm washer thickness	A	1.525 mm (0.0600 in.)	When worn or damaged
	B	1.505 mm (0.0593 in.)	When worn or damaged
	C	1.485 mm (0.0585 in.)	When worn or damaged

cardiagn.com

	D	1.465 mm (0.0577 in.)	When worn or damaged
	E	1.445 mm (0.0569 in.)	When worn or damaged
	F	1.425 mm (0.0561 in.)	When worn or damaged
	G	1.405 mm (0.0553 in.)	When worn or damaged
52 mm washer thickness (2003-2004 models) 50.2 mm washer thickness (2005-2006 models)	A	3.95 mm (0.1555 in.)	When worn or damaged
	B	3.97 mm (0.1563 in.)	When worn or damaged
	C	3.99 mm (0.1571 in.)	When worn or damaged
	D	4.01 mm (0.1579 in.)	When worn or damaged
	E	4.03 mm (0.1587 in.)	When worn or damaged
	F	4.05 mm (0.1594 in.)	When worn or damaged
	G	4.07 mm (0.1602 in.)	When worn or damaged
	H	4.09 mm (0.1610 in.)	When worn or damaged
	I	4.11 mm (0.1618 in.)	When worn or damaged
	J	4.13 mm 10.1626 in.)	When worn or damaged
	K	4.15 mm (0.1634 in.)	When worn or damaged
	L	4.17 mm (0.1642 in.)	When worn or damaged
	M	4.19 mm (0.1650 in.)	When worn or damaged
	N	4.21 mm (0.1657 in.)	When worn or damaged
	O	4.23 mm (0.1665 in.)	When worn or damaged
	P	4.25 mm (0.1673 in.)	When worn or damaged
	Q	4.27 mm (0.1681 in.)	When worn or damaged
	R	4.29 mm (0.1689 in.)	When worn or damaged

cardiagn.com

		S	4.31 mm (0.1697 in.)	When worn or damaged
		T	4.33 mm (0.1705 in.)	When worn or damaged
		U	4.35 mm (0.1713 in.)	When worn or damaged
35 x 47 mm thrust washer thickness	5.97-6.00 mm (0.2350-0.2362 in.)		When worn or damaged	
Secondary shaft	Diameter at bearing contact area	2nd gear	43.986-43.999 mm (1.7317-1.7322 in.)	When worn or damaged
		Torque converter housing bearing	32.002-32.015 mm (1.2599-1.2604 in.)	When worn or damaged
		Torque converter housing bearing (shaft end side)	28.592-28.608 mm (1.1257-1.1263 in.)	When worn or damaged
	Diameter of 1st gear collar at needle bearing contact area	38.975-38.991 mm (1.5344-1.5351 in.)		When worn or damaged
	I.D. of gears	1st gear	44.000-44.016 mm (1.7323-1.7329 in.)	When worn or damaged
		2nd gear	50.00-50.02 mm (1.9685-1.9693 in.)	When worn or damaged
	Axial clearance of gears	1st gear	0.085-0.130 mm (0.0033-0.0051 in.)	-
		2nd gear	0.06-0.23 mm (0.0024-0.0091 in.)	-
	52 mm thrust washer thickness	A	2.405 mm (0.095 in.)	When worn or damaged
		B	2.430 mm (0.096 in.)	When worn or damaged
		C	2.455 mm (0.097 in.)	When worn or damaged
		D	2.480 mm (0.098 in.)	When worn or damaged

cardiagn.com

	E	2.505 mm (0.099 in.)	When worn or damaged
	F	2.530 mm (0.100 in.)	When worn or damaged
	G	2.555 mm (0.101 in.)	When worn or damaged
	H	2.580 mm (0.102 in.)	When worn or damaged
	I	2.605 mm (0.103 in.)	When worn or damaged
	J	2.630 mm (0.104 in.)	When worn or damaged
	K	2.655 mm (0.105 in.)	When worn or damaged
	L	2.680 mm (0.106 in.)	When worn or damaged
	M	2.705 mm (0.106 in.)	When worn or damaged
1st gear collar length	63.3-63.4 mm (2.4921-2.4961 in.)		-
Sealing ring thickness	1.91-1.97 mm (0.075-0.078 in.)		1.86 mm (0.073 in.)
Sealing ring groove width	2.025-2.060 mm (0.080-0.081 in.)		2.08 mm (0.082 in.)
ATF feed pipe O.D.	1st clutch	11.47-11.48 mm (0.4516-0.4520 in.)	11.45 mm (0.4508 in.)
	1st-hold clutch	5.97-5.98 mm (0.2350-0.2354 in.)	5.95 mm (0.2343 in.)
Feed pipe bushing I.D.	1st clutch	11.518-11.530 mm (0.4535-0.4539 in.)	11.545 mm (0.4545 in.)
	1st-hold clutch	6.018-6.030 mm (0.2369-0.2374 in.)	6.045 mm (0.2380 in.)
65 mm thrust shim thickness	OA	0.80 mm (0.031 in.)	When worn or damaged
	A	0.84 mm (0.033 in.)	When worn or damaged
	B	0.88 mm (0.035 in.)	When worn or damaged
	C	0.92 mm	When worn or

cardiagn.com

	(0.036 in.)	damaged
D	0.96 mm (0.038 in.)	When worn or damaged
E	1.00 mm (0.039 in.)	When worn or damaged
F	1.04 mm (0.041 in.)	When worn or damaged
G	1.08 mm (0.043 in.)	When worn or damaged
H	1.12 mm (0.044 in.)	When worn or damaged
I	1.16 mm (0.046 in.)	When worn or damaged
J	1.20 mm (0.047 in.)	When worn or damaged
K	1.24 mm (0.049 in.)	When worn or damaged
L	1.28 mm (0.050 in.)	When worn or damaged
M	1.32 mm (0.052 in.)	When worn or damaged
N	1.36 mm (0.054 in.)	When worn or damaged
O	1.40 mm (0.055 in.)	When worn or damaged
P	1.44 mm (0.057 in.)	When worn or damaged
Q	1.48 mm (0.058 in.)	When worn or damaged
R	1.52 mm (0.060 in.)	When worn or damaged
S	1.56 mm (0.061 in.)	When worn or damaged
T	1.60 mm (0.063 in.)	When worn or damaged
U	1.64 mm (0.065 in.)	When worn or damaged
V	1.68 mm (0.066 in.)	When worn or damaged
w	1.72 mm (0.068 in.)	When worn or damaged
X	1.76 mm (0.069 in.)	When worn or damaged
	1.80 mm	When worn or

cardiagn.com

		Y	(0.071 in.)	damaged	
		z	1.84 mm (0.072 in.)	When worn or damaged	
		AA	1.88 mm (0.074 in.)	When worn or damaged	
		AB	1.92 mm (0.076 in.)	When worn or damaged	
		AC	1.96 mm (0.077 in.)	When worn or damaged	
		AD	2.00 mm (0.079 in.)	When worn or damaged	
		AE	2.04 mm (0.080 in.)	When worn or damaged	
		AF	2.08 mm (0.082 in.)	When worn or damaged	
		AG	2.12 mm (0.083 in.)	When worn or damaged	
		AH	2.16 mm (0.085 in.)	When worn or damaged	
		AI	2.20 mm (0.087 in.)	When worn or damaged	
		AJ	2.24 mm (0.088 in.)	When worn or damaged	
		AK	2.28 mm (0.090 in.)	When worn or damaged	
		AL	2.32 mm (0.091 in.)	When worn or damaged	
Intermediary shaft	I.D. of 3rd gear	36.000-36.016 mm (1.4173-1.4179 in.)			When worn or damaged
	Axial clearance of 3rd gear	0.005-0.045 mm (0.0002-0.0018 in.)		-	
	Cotter thickness	2.99-3.02 mm (0.1177-0.1189 in.)		-	
	Sealing ring thickness	1.89-1.95 mm (0.0744-0.0768 in.)		1.84 mm (0.0724 in.)	
	Sealing ring groove width	2.025-2.060 mm (0.080-0.081 in.)		2.08 mm (0.082 in.)	
	53 mm splined washer thickness	A	3.995 mm (0.1573 in.)	When worn or damaged	
		B	4.015 mm (0.1581 in.)	When worn or damaged	
		C	4.035 mm (0.1589 in.)	When worn or damaged	

cardiagn.com

	D	4.055 mm (0.1596 in.)	When worn or damaged
	E	4.075 mm (0.1604 in.)	When worn or damaged
	F	4.095 mm (0.1612 in.)	When worn or damaged
	G	4.115 mm (0.1620 in.)	When worn or damaged
	H	4.135 mm (0.1628 in.)	When worn or damaged
	I	4.155 mm (0.1636 in.)	When worn or damaged
	J	4.175 mm (0.1644 in.)	When worn or damaged
	K	4.195 mm (0.1652 in.)	When worn or damaged
	L	4.215 mm (0.1659 in.)	When worn or damaged
	M	4.235 mm (0.1667 in.)	When worn or damaged
	N	4.255 mm (0.1675 in.)	When worn or damaged
26.5 mm washer thickness	A	1.05 mm (0.041 in.)	When worn or damaged
	B	1.13 mm (0.044 in.)	When worn or damaged
	C	1.21 mm (0.048 in.)	When worn or damaged
	D	1.29 mm (0.051 in.)	When worn or damaged
	E	1.37 mm (0.054 in.)	When worn or damaged
	F	1.45 mm (0.057 in.)	When worn or damaged
	G	1.53 mm (0.060 in.)	When worn or damaged
	H	1.61 mm (0.063 in.)	When worn or damaged
	I	1.69 mm (0.067 in.)	When worn or damaged
	J	1.77 mm (0.070 in.)	When worn or damaged
	K	1.85 mm (0.073 in.)	When worn or damaged

cardiagn.com

		L	1.93 mm (0.076 in.)	When worn or damaged	
		M	2.01 mm (0.079 in.)	When worn or damaged	
		N	2.09 mm (0.082 in.)	When worn or damaged	
Reverse idler gear	Gear shaft O.D.	13.99-14.00 mm (0.5508-0.5512 in.)			When worn or damaged
	I.D. of transmission housing of gear shaft contact area	14.006-14.024 mm (0.5514-0.5521 in.)		-	
	I.D.	18.007-18.020 mm (0.7089-0.7094 in.)		When worn or damaged	
	Axial clearance	0.07-0.38 mm (0.003-0.015 in.)		-	
	Thrust washer thickness	Transmission housing	0.97-1.05 mm (0.038-0.041 in.)	-	
		Holder side	0.97-1.05 mm (0.038-0.041 in.)	-	

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New		
Wire Diameter	**O.D.**	**Free Length**	**No. of Coil**		
Main valve body spring (see **MAIN VALVE BODY DISASSEMBLY, INSPECTION, AND REASSEMBLY)**)	Cooler check valve	0.6 mm (0.024 in.)		5.8 mm (0.228 in.)	14.5 mm (0.571 in.)	6.8
	Lock-up timing valve spring	0.65 mm (0.026 in.)	6.6 mm (0.260 in.)	34.8 mm (1.370 in.)	15.6	
	Shift valve D spring	0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	32.2 mm (1.268 in.)	13.4	
	Shift valve B spring	0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7	
	Shift valve A	0.8 mm	6.6 mm	49.1 mm		

cardiagn.com

	spring	(0.031 in.)	(0.260 in.)	(1.933 in.)	21.7	
	Modulator valve spring	1.6 mm (0.063 in.)	10.4 mm (0.409 in.)	33.5 mm (1.319 in.)	9.8	
	CPC valve C spring	0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9	
	Shift valve E spring	0.8 mm (0.031 in.)	7.1 mm (0.280 in.)	49.0 mm (1.929 in.)	17.2	
	Torque converter check valve spring	1.1 mm (0.043 in.)	8.6 mm (0.339 in.)	35.0 mm (1.378 in.)	12.6	
	Relief valve spring	1.1 mm (0.043 in.)	8.6 mm (0.339 in.)	32.1 mm (1.264 in.)	11.2	
	Lubrication control valve spring	0.7 mm (0.028 in.)	7.7 mm (0.303 in.)	28.8 mm (1.134 in.)	10.4	
	Lock-up shift valve spring	0.9 mm (0.035 in.)	7.6 mm (0.299 in.)	63.0 mm (2.480 in.)	22.4	
Secondary valve body spring (see **SECONDARY VALVE BODY DISASSEMBLY, INSPECTION, AND REASSEMBLY**)	Reverse CPC valve spring	0.7 mm (0.028 in.)		6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9
	Servo control valve spring	0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	35.7 mm (1.406 in.)	17.2	
	Shift valve C spring	0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7	
	CPC valve A spring	0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701	7.9	

cardiagn.com

				in.)		
	Kick-down valve spring	0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	49.1 mm (1.933 in.)	21.7	
	CPC valve A spring	0.7 mm (0.028 in.)	6.1 mm (0.240 in.)	17.8 mm (0.701 in.)	7.9	
Regulator valve body spring (see **REGULATOR VALVE BODY DISASSEMBLY, INSPECTION,**)	3rd accumulator spring	3.1 mm (0.122 in.)		19.6 mm (0.772 in.)	41.4 mm (1.630 m.)	5.5
	Lock-up control valve spring	0.7 mm (0.028 in.)	6.6 mm (0.260 in.)	42.9 mm (1.689 in.)	14.2	
		0.8 mm (0.031 in.)	6.6 mm (0.260 in.)	44.3 mm (1.744 in.)	25.5	
	Regulator valve spring B	1.4 mm (0.055 in.)	8.8 mm (0.346 in.)	44.0 mm (1.732 in.)	12.0	
	Regulator valve spring A	1.9 mm (0.075 in.)	14.7 mm (0.579 in.)	80.6 mm (3.173 in.)	16.1	
	Stator reaction spring	5.5 mm (0.217 in.)	37.4 mm (1.472 in.)	30.3 mm (1.193 in.)	2.1	
Accumulator body spring (see **ACCUMULATOR BODY DISASSEMBLY, INSPECTION, AND REASSEMBLY**)	1st-hold accumulator spring	2.0 mm (0.079 in.)		13.1 mm (0.516 in.)	42.9 mm (1.689 in.)	9.8
	4th accumulator spring	3.0 mm (0.118 in.)	19.6 mm (0.772 in.)	45.3 mm (1.783 in.)	6.4	
	1st accumulator spring A	2.2 mm (0.087 in.)	17.7 mm (0.697 in.)	77.6 mm (3.055 in.)	12.1	

cardiagn.com

	1st accumulator spring B	2.0 mm (0.079 in.)	11.1 mm (0.437 in.)	49.0 mm (1.929 in.)	10.0
	2nd accumulator spring	3.1 mm (0.122 in.)	19.6 mm (0.772 in.)	53.4 mm (2.102 in.)	7.5
	5th accumulator spring A	2.2 mm (0.087 in.)	16.4 mm (0.646 in.)	75.7 mm (2.980 in.)	14.2
	5th accumulator spring B	2.0 mm (0.079 in.)	10.0 mm (0.394 in.)	45.5 mm (1.791 in.)	11.6

AUTOMATIC TRANSMISSION AND A/T DIFFERENTIAL STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit	
A/T differential carrier	Pinion shaft contact area I.D.	18.000-18.025 mm (0.7087-0.7096 in.)			-
	Carrier-to-pinion shaft clearance	0.013-0.054 mm (0.0005-0.0021 in.)		0.1 mm (0.004 in.)	
	Driveshaft contact area I.D.	30.025-30.055 mm (1.182-1.183 in.)		-	
	Carrier-to-driveshaft clearance	0.045-0.096 mm (0.002-0.004 in.)		0.13 mm (0.005 in.)	
	Carrier-to-intermediate shaft clearance	0.080-0.126 mm (0.003-0.005 in.)		-	
	Tapered roller bearing starting torque (preload)	For new bearing	3.9-5.1 N.m (40-52 kgf.cm, 35-45 lbf.in.)	Adjust	
		For used bearing	3.6-4.8 N.m (37-49 kgf.cm, 32-43 lbf.in.)	Adjust	
A/T differential pinion gear	Backlash	0.05-0.15 mm (0.002-0.006 in.)			-
	I.D.	18.042-18.066 mm (0.7103-0.7113 in.)		-	
	Pinion gear-to-pinion shaft clearance	0.055-0.095 mm (0.0022-0.0037 in.)		0.12 mm (0.005 in.)	
Transfer	Diameter at bearing contact area		21.977-21.990		

cardiagn.com

output shaft		Transmission housing side	mm (0.8652-0.8657 in.)	21.92 mm (0.8630 in.)
		Torque converter housing side	40.002-40.018 mm (1.5749-1.5755 in.)	39.95 mm (1.5728 in.)
	Axial clearance	0-0.39 mm (0-0.015 in.)		-
	28.5 mm thrust washer thickness	A	1.82 mm (0.0717 in.)	When worn or damaged
		B	1 84 mm (0.0724 in)	When worn or damaged
		C	1.86 mm (0.0732 in.)	When worn or damaged
		D	1.88 mm (0.0740 in.)	When worn or damaged
		E	1.90 mm (0.0748 in.)	When worn or damaged
		F	1.92 mm (0.0756 in.)	When worn or damaged
		G	1.94 mm (0.0764 in.)	When worn or damaged
		H	1.96 mm (0.0772 in.)	When worn or damaged
		I	1.98 mm (0.0780 in.)	When worn or damaged
		J	2.00 mm (0.0787 in.)	When worn or damaged
		K	2.02 mm (0.0795 in.)	When worn or damaged
		L	2.04 mm (0.0803 in.)	When worn or damaged
		M	2.06 mm (0.0811 in.)	When worn or damaged
		N	2.08 mm (0.0819 in.)	When worn or damaged
		O	2.10 mm (0.0827 in.)	When worn or damaged
		P	2.12 mm (0.0835 in.)	When worn or damaged
		Q	2.14 mm (0.0843 in.)	When worn or damaged
		R	2.16 mm (0.0850 in.)	When worn or damaged
		S	2.18 mm (0.0858 in.)	When worn or damaged

cardiagn.com

		T	2.20 mm (0.0866 in.)	When worn or damaged
		U	2 22 mm (0 0874 in)	When worn or damaged
		V	2.24 mm (0.0882 in.)	When worn or damaged
		w	2.26 mm (0.0890 in.)	When worn or damaged
		X	2.28 mm (0.0898 in.)	When worn or damaged
		Y	2.30 mm (0.0906 in.)	When worn or damaged
		Z	2.32 mm (0.0913 in.)	When worn or damaged
		AA	2.34 mm (0 0921 in.)	When worn or damaged
Transfer assembly fluid	Capacity	Fluid change	0.43 L (0.45 us qt)	
		Overhaul	0.45 L (0.48 us qt)	
Transfer assembly	Diameter of transfer hypoid drive gear/shaft assembly at tapered roller bearing contact area	Transfer cover side	50.002-50.018 mm (1.9686-1.9692 in.)	49.95 mm (1.9665 in.)
		Transfer gear side	24.987-25 000 mm (0.9837-0.9843 in.)	24.93 mm (0.9815 in.)
	Diameter of transfer output shaft (hypoid gear) at tapered roller bearing contact area	Transfer gear side	40.002-40.018 mm (1.5749-1.5755 in.)	39.95 mm (1.5728 in.)
		Companion flange side	27.975-27.990 mm (1.1014-1.1020 in.)	27.92 mm (1.0992 in.)
	Transfer gear backlash	0.06-0.17 mm (0.002-0.007 in)		Adjust
	Tapered roller bearing total starting torque (preload)	3.20-4.16 N.m (32.6-42.4 kgf.cm, 28.3-36.8 lbf.in.)		Adjust

REAR DIFFERENTIAL

REAR DIFFERENTIAL STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New
Rear differential fluid	Capacity Use Acura VTM-4 Differential Fluid	Fluid replacement	2.64 L (2.79 US qt)

STEERING

STEERING STANDARDS AND SERVICE LIMITS SPECIFICATION

cardiagn.com

Item	Measurement	Qualification	Standard or New	Service Limit
Steering wheel	Rotational play measured at outside edge	With engine running	0-10 mm (0-0.39 in.)	-
	Starting load measured at outside edge	With engine running	32 N (3.3 kgf, 7.3 lbf)	If higher, check gearbox and pump
Gearbox	Angle of rack guide screw loosened from locked position	20 ° max. Tighten locknut to 25 N.m (2.5 kgf.m, 18 lbf.ft)		
Pump	Output pressure with shut-off valve closed	8,300-8,800 kPa (85-90 kgf/cm^2 , 1,210-1,280 psi)		
Power steering fluid	Capacity Use Acura Power Steering Fluid	Reservoir capacity	0.34 L (0.36 US qt)	
		System overhaul With accessory power steering cooler: 1.26 L (1.33 US qt)	Without accessory power steering cooler: 1.22 L (1.29 US qt)	

SUSPENSION

SUSPENSION STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit
Wheel alignment	Camber	Front	-0°30'+/-1°	
		Rear	-0°30'+/-45'	
	Caster	Front	°53'+/-1°	
	Total Toe-in	Front	0+/-2 mm (0+/-1/16 in.)	
		Rear	0+/-2 mm (0+/-1/16 in.)	
	Front wheel turning angle	Inside wheel	38 ° 08'	
		Outside wheel	30° 19'	
Aluminum wheel	Runout	Axial	0-0.7 mm (0-0.03 in.)	2.0 mm (0.08 in.)
		Radial	0-0.7 mm (0-0.03 in.)	1.5 mm (0.06 in.)
Wheel bearing	End play	Front	0-0.05 mm (0-0.002 in.)	
		Rear	0-0.05 mm (0-0.002 in.)	

BRAKES

BRAKES STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New	Service Limit
Parking brake pedal	Distance traveled when pressed with 441 N (45 kgf, 99 lbf) of force	6 to 8 clicks		
	Distance traveled when pressed			

cardiagn.com

	with 294 N (30 kgf, 66 lbf) of force (reference)	4 to 6 clicks			
Brake pedal	Pedal height (carpet removed)	164 mm (6 7/16 in.)			
	Free play	1-5 mm (0.04-0.20 in.)			
Brake disc	Thickness	Front	27.9-28.1 mm (1.10-1.11 in.)	26.0 mm (1.02 in.)	
		Rear	10.9-11.1 mm (0.43-0.44 in.)	9.0 mm (0.35 in.)	
	Runout	Front and rear	-	0.10 mm (0.004 in.)	
	Parallelism	Front and rear	-	0.015 mm (0.0006 in.)	
Brake pad	Thickness	Front	10.7-11.3 mm (0.42-0.44 in.)	1.6 mm (0.06 in.)	
		Rear	9.5-10.1 mm (0.37-0.40 in.)	1.6 mm (0.06 in.)	
Parking brake shoe lining	Thickness	4.0 mm (0.16 in.)			1.0 mm (0.04 in.)
Parking brake drum	Inside diameter	209.9-210.0 mm (8.264-8.267 in.)			211.0 mm (8.307 in.)

AIR CONDITIONING

AIR CONDITIONING STANDARDS AND SERVICE LIMITS SPECIFICATION

Item	Measurement	Qualification	Standard or New
Refrigerant	Type	HFC-134a (R-134a)	
	Capacity of system	Dual	700-750 g (25-26 oz)
Refrigerant oil	Type	DENSO ND-OIL 8 (P/N 38897-PR7-A01AH or 38899-PR7-A01)	
	Capacity of components	Condenser	35mL (1 1/6 fl oz)
		Evaporator (front)	40 mL (1 1/3 fl oz)
		Evaporator (rear)	30 mL (1 fl oz)
		Each line and hose	10 mL (1/3 fl oz)
		Compressor	180 mL (6 fl oz)
Compressor (DENSO)	Field coil resistance	At 68°F (20°C)	3.9-4.3 0.
	Pulley-to-pressure plate clearance	0.35-0.60 mm (0.014-0.024 in.)	

DESIGN SPECIFICATIONS

DESIGN SPECIFICATIONS REFERENCE CHART

Item	Measurement	Qualification	Specification

cardiagn.com

DIMENSIONS	Overall length	2003 model	4,789 mm (187.7 in.)
		2004-2006 models	4,793 mm (188.7 in.)
	Overall width	2003 model	1,938 mm (76.3 in.)
		2004-2006 models	1,955 mm (77.0 in.)
	Overall height	Without roof rack	1,744 mm (68.7 in.)
		With roof rack	1,811 mm (71.3 in.)
	Wheelbase	2,700 mm (106.3 in.)	
	Track	Front	1,685 mm (66.3 in.)
		Rear	1,690 mm (66.5 in.)
	Ground clearance	203 mm (8.0 in.)	
	Seating capacity	Seven (7)	
WEIGHT (U.S.A.)	Gross Vehicle Weight Rating (GVWR)	5,730 lbs	
WEIGHT (CANADA)	Gross Vehicle Weight Rating (GVWR)	2,600 kg	
ENGINE	Type	Water-cooled, 4-stroke SOHC VTEC V6 gasoline engine	
	Cylinder arrangement	60 ° V6-cylinder, transverse	
	Bore and stroke	89.0 x 93.0 mm (3.50 x 3.66 in.)	
	Displacement	3,471 cm^3 (mL) (222 cu in.)	
	Compression ratio	10.0	
	Valve train	Belt driven, SOHC VTEC 4 valves per cylinder	
	Ignition system	DLI (Distributorless Ignition)	
	Lubrication system	Forced, wet sump, with trochoid pump	
	Oil pump displacement	At 6,000 rpm	58.4 L (61.7 US qt)/minute
	Water pump displacement	At 6,000 rpm	172 L (182 US qt)/minute
	Fuel required	Premium UNLEADED gasoline with 91 Pump Octane Number or higher	
STARTER	Type	Gear reduction	
	Normal output	1.6 kW	
	Nominal voltage	12V	
	Hour rating	30 seconds	
	Direction of rotation	Clockwise as viewed from gear end	
AUTOMATIC TRANSMISSION	Type	MDKA (2003-2005 models), BDKA (2006 model)	Electronically-controlled automatic, 5-speed forward, 1 reverse
	Primary reduction	Direct 1:1	
	Gear ratio	1st	2.693
		2nd	1.565
		3rd	1.023

cardiagn.com

		4th	0.729
		5th	0.530
		Reverse	1.888
	Final reduction	Type	Single helical gear
		Gear ratio	4.375
STEERING	Type	Hydraulic power-assisted rack and pinion	
	Gear ratio	42.3	
	Overall ratio	16.9	
	Turns, lock-to-lock	3.22	
	Steering wheel diameter	380 mm (15.0 in.)	
SUSPENSION	Type	Front	Strut with "L" (lower) arm
		Rear	Multi-link with trailing arm
	Shock absorber	Front	NWS twin tube gas
		Rear	SPV twin tube gas
TIRES	Size of front and rear tires	P235/65R17 103T	
	Size of spare tire	T155/90D16 110M	
WHEEL ALIGNMENT	Camber	Front	-0 ° 30'
		Rear	-0 ° 30'
	Caster	Front	1 ° 53'
	Total Toe-in	Front	0 mm (0 in.)
		Rear	0 mm (0 in.)
	Front wheel turning angle	Inside wheel	38 ° 08'
		Outside wheel	30 ° 19'
	SAI at camber (kingpin axis)	11 ° 54'	
BRAKES	Type of service brake	Front	Power-assisted self-adjusting ventilated disc
		Rear	Power-assisted self-adjusting solid disc
	Type of parking brake	Foot type mechanical actuating, rear wheels	
	Pad friction surface area (swept area)	Front	409.6 cm^2 (63.49 sq in.)
		Rear	225.9 cm^2 (35.01 sq in.)
AIR CONDITIONING	Cooling capacity	Front	4,375 kcal/h (17,300 BTU/h)
		Rear	3,119 kcal/h (12,400 BTU/h)
	Compressor	Type/Manufacturer	Swash plate/DENSO
		Number of cylinders	10

cardiagn.com

		Capacity	210 mL/rev. (12.81 cu in./rev.)
		Maximum speed	7,600 rpm
		Lubricant capacity	180 mL (6 fl oz)
		Lubricant type	ND-OIL 8 (DENSO)
	Condenser	Type	Corrugated fin
	Evaporator	Type	Corrugated fin
	Blower	Type	Sirocco fan
		Motor input (Front)	228W/12V
		Motor input (Rear)	125W/12V
		Speed control (Front)	Infinite variable
		Speed control (Rear: Auto A/C)	Infinite variable
		Speed control (Rear: Manual A/C)	5-speed
		Maximum capacity (Front)	490 m^3 /h (17,300 cu ft/h)
		Maximum capacity (Rear)	310 m^3 /h(11,000 cu ft/h)
	Temperature control	Air-mix type	
	Compressor clutch	Type	Dry, single plate, Poly-V belt drive
		Electrical power consumption at 68°F (20° C)	40 W maximum at 12 V
	Refrigerant	Type	HFC-134a (R-134a)
		Quantity (Dual)	700-750 g (25-26 fl oz)
ELECTRICAL RATINGS	Battery	12 V-65 AH/20 hours	
	Fuses	Under-hood fuse/relay box	120 A, 50 A, 40 A, 30 A, 20 A, 15 A, 7.5 A
		Under-dash driver's fuse/relay box	30 A, 15A, 10A, 7.5A
		Under-hood subfuse box	40 A, 30 A, 20 A, 15 A, 7.5 A
		Under-dash passenger's fuse/relay box	30 A, 20 A, 15 A, 10 A, 7.5 A
	Light bulbs	Headlight high beam	12V-60W (HB3)
		Headlight low beam	12V-51 W (HB4)(1) , 55W (HB4)(2)
		Fog light	12V-51 W (HB4)
		Front turn signal/Front side marker lights (2003	12V-35W/12V-5W

cardiagn.com

		model)	
		Front turn signal/Front parking lights (2004-2006 models)	12V-28W/12V-8W
		Front side marker lights (2004-2006 models)	12V-5W
		Rear turn signal lights	12V-27W (2003 model), 12V-21 W (2004-2006 models)
		Brake/Taillights	12V-21/5W
		High-mount brake light	12V-21W
		Back-up lights	12V-18W
		License plate light	12V-5W
		Tailgate light	12V-5W
		Vanity mirror lights	12V-1.1W
		Front individual map lights	12 V-6.2W (2003 model), 12V-5W (2004-2006 models)
		Rear individual map lights	12V-6.2W
		Ceiling light	12V-8W
		Foot well light (2004-2006 models)	12V-5W
		Glove box light	12V-3.4W
		Rear side marker lights	12V-3.8W (2003 model), 12 V-5 W (2004-2006 models)
		Courtesy light	12V-3.8W
		Gauge lights	12V-3.0W, 1.4W, 1.12W (2003 model), 12V-LED (2004-2006 models)
		Indicator lights	12V-LED, 14V-0.84W, 1.4W
		Panel and pilot lights	14V-0.7W
		Front heater control panel lights	14V-1.4W, 10V-0.6W
		Rear heater control panel lights	14V-1.12W

(1) 2003 U.S. and 2003-2006 Canada models

(2) 2004-2006 U.S. models

cardiagn.com

BODY SPECIFICATIONS

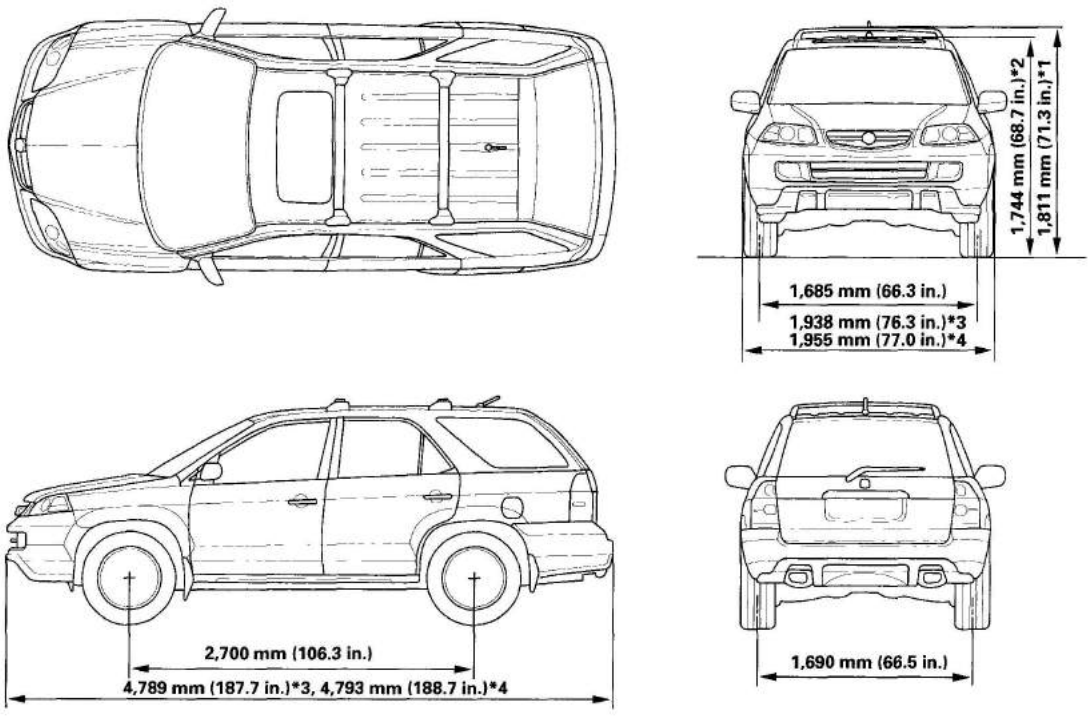

Fig. 1: Identifying Body Specifications
Courtesy of AMERICAN HONDA MOTOR CO., INC.

cardiagn.com