

MOTOR VEHICLE MANUFACTURERS SPECIFICATIONS

METRIC (U.S. Customary)

2000

Manufacturer HONDA MOTOR CO.,LTD.	Vehicle Line ACURA INTEGRA 3 DOOR / 4 DOOR	
Mailing Address 1-1,2 chome,Minami-Aoyama,Minato-ku, Tokyo,Japan	Issued July 1999	Revised (*)

Direct questions concerning these specifications to the manufacturer listed above.

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The General Specifications herein after were in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.

AAMA

Forms Provided by Motor Vehicle Manufactures

Specifications
METRIC

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NOTE:

- 1 This form uses both SI Metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
- 2 UNLESS OTHERWISE INDICATED:
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
- 3 The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
- 4 Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

Specifications	Vehicle Line	ACURA INTEGRA 3 DOOR/4 DOOR			
METRIC	Model Year	2000	Issued	July 1999	Revised (*)

Vehicle Origin

Design & development (Company)	HONDA R & D
Where built (country)	JAPAN
Authorized U.S. sales marketing representative	AMERICA HONDA MOTOR

Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Introduction Date	Make, Vehicle models, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
INTEGRA 3 DOOR LS (FWD)	September 1999	ACURA,INTEGRA, 5M/T 2DR H/B,(DC435)	4(2/2)	45(100)	25/31
		ACURA,INTEGRA, 4A/T 2DR H/B,(DC445)			24/30
ACURA,INTEGRA, 5M/T 2DR H/B,(DC436)		25/31			
ACURA,INTEGRA, 4A/T 2DR H/B,(DC446)		24/30			
ACURA,INTEGRA, 5M/T 2DR H/B,(DC238)		25/30			
ACURA,INTEGRA, 5M/T 2DR H/B,(DC239) **		25/30			
ACURA,INTEGRA,5M/T 2DR H/B,(DC231)		25/30			
INTEGRA 4 DOOR LS (FWD)		ACURA,INTEGRA, 5M/T 4DR SEDAN,(DB755)	5(2/3)		25/31
		ACURA,INTEGRA ,4A/T 4DR SEDAN,(DB765)			24/30
INTEGRA 4 DOOR GS (FWD)		ACURA,INTEGRA, 5M/T 4DR SEDAN,(DB756)			25/31
		ACURA,INTEGRA ,4A/T 4DR SEDAN,(DB766)			24/30
INTEGRA 4 DOOR GS-R (FWD)		ACURA,INTEGRA, 5M/T 4DR SEDAN,(DB858)			25/30
		ACURA,INTEGRA, 5M/T 4DR SEDAN,(DB859) **			25/30

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

** Leather seat

Specifications

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Power Teams

SEA J1349 Net bhp (brake horsepower) and Net Torque corrected to 77° F/25°C and 29.61 in. Hg/100kPa atmospheric pressure.

E N G I N E	A		B		C		D	
	Engine Code		B18B1		B18B1		B18C1	
	Displacement Liters (in. ³)		1.834(112)		1.834(112)		1.797(110)	
	Induction system (FI, Carb, etc.)		FI		FI		FI	
	Compression ratio		9.2		9.2		10.0	
	SAE Net at RPM	Power KW (bhp)	105(140) @6300		105(140) @6300		127(170) @7600	
		Torque N.m (lb. ft.)	168(124) @5200		168(124) @5200		174(128) @6200	
T R A N S	Exhaust single, dual		Single		Single		Single	
	Transmission/ transaxle		5M /T		4A /T		5M /T	
	Effective Final Drive / Axle Ratio (std. first)		4.266		4.357		4.400	

Series Availability			Power Teams (A - B - C - D)	
Model		Code	Standard	Optional
INTEGRA 3DOOR LS	5M/T	DC435	A	N.A.
	4A/T	DC445	B	N.A.
INTEGRA 3DOOR GS	5M/T	DC436	A	N.A.
	4A/T	DC446	B	N.A.
INTEGRA 3DOOR GS-R	5M/T	DC238	C	N.A.
	5M/T	DC239 *	C	N.A.
INTEGRA 3DOOR TYPE-R	5M/T	DC231	D	N.A.
INTEGRA 4DOOR LS	5M/T	DB755	A	N.A.
	4A/T	DB765	B	N.A.
INTEGRA 4DOOR GS	5M/T	DB756	A	N.A.
	4A/T	DB766	B	N.A.
INTEGRA 4DOOR GS-R	5M/T	DB858	C	N.A.
	5M/T	DB859 *	C	N.A.

* Leather seat

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Engine Description

Engine Code

B18C1

B18B1

B18C5

Engine - General

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Inline, Front, Transverse, DOHC, Hemisphere		
Manufacture	HONDA MOTOR CO.,LTD.		
No. of cylinders	4		
Bore	81.0		
Stroke	87.2	89.0	87.2
Bore spacing (C/L to C/L)	90.0		
Cylinder block material & mass kg(lbs.)(machined)	Aluminum silicon alloy, 23.2	Aluminum silicon alloy, 21.1	Aluminum silicon alloy, 23.2
Cylinder block deck height	212.0		
Cylinder block length	449.0	427.0	449.0
Deck clearance(minimum)(above or below block)	60 (Below block)		
Cylinder head material & mass kg (lbs.)	Aluminum silicon alloy, 13.3	Aluminum silicon alloy, 10.7	Aluminum silicon alloy, 12.9
Cylinder head volume cm ³ (inches ³)	41.6	45.0	43.6
Cylinder liner material	Cast iron alloy		
Head gasket thickness(compressed)	0.7 ± 0.05		
Minimum combustion chamber total volume cm ³	199.1	223.7	187.2
Cyl. no. system	Left to Right : 1 - 2 - 3 - 4		
(front to rear)	N.A.		
Firing order	1 - 3 - 4 - 2		
Intake manifold material & mass kg (lbs.)	Aluminum silicon alloy, 7.02	Aluminum silicon alloy, 4.1	Aluminum silicon alloy, 4.7
Exhaust manifold material & mass kg (lbs.)	Cast iron alloy, 6.75	Cast iron alloy, 6.25	Cast iron alloy, 6.53
Knock sensor (number & location)	Yes		
Fuel required unleaded, diesel, etc.	Unleaded		
Fuel antiknock index (R + M) ÷ 2	(96+86)/2=91, not less than 91	(91+81)/2=86, not less than 86	(96+86)/2=91, not less than 91
Quantity	5		
Engine mounts	Hydroelastic & Rubber elastomeric		
Material and type (elastomeric, hydroelastic, Hydraulic damper, etc.)			
Added isolation (sub-frame, crossmember, etc.)	—	Cross member	—
Total dressed engine mass (wt) dry***	156	133	156

Engine - Pistons

Material & mass, g (weight, oz.)—piston only	Aluminum alloy, 289	Aluminum alloy, 280	Aluminum alloy, 307
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Engine - Camshaft

Location	Cylinder head		
Material & mass kg (weight, lbs.)	Cast iron alloy, IN 2.24 EX 2.23	Cast iron alloy, IN 1.88 EX 1.87	Cast iron alloy, IN 1.88 EX 1.87
Drive type	Cogged belt		
Chain/belt			
Width/pitch	26.0/9.53		

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Finished state.

*** Dressed engine mass (weight) includes the following:

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Engine - Valve System

Hydraulic liters (std., opt., n.a.)	N.A.		
Valves	Number intake/exhaust	8/8	
	Head O.D. intake/exhaust	33/28	31/28 33/28

Engine - Connecting Rods

Material & mass kg. (weight, lbs.)*	Forged iron .0546	Forged iron .0487	Forged iron .0556
Length (axes C/L to C/L)	137.9	137.0	137.9

Engine - Crankshaft

Material & mass kg. (weight, lbs.)*	Forged iron, 15.5	Forged iron, 15.9	Forged iron, 15.5
End thrust taken by bearing (no.)	2		
Length & number of main bearings	20, 5		
Seal (material, one, two piece design, etc.)	Front	Synthetic rubber 4 Piece design	
	Rear	Synthetic rubber 4 Piece design	

Engine - Lubrication System

Normal oil pressure kPa (psi) at engine rpm	More than 343 @ 3000		
Type oil intake (floating, stationary)	Floating		
Oil filter system (full flow, part, other)	Full flow		
Capacity of c/case, less filter-refill-L (qt.)	4.8, refill 3.7	4.6, refill 3.5	4.8, refill 3.7

Engine - Diesel Information

Diesel engine manufacturer		N.A.
Glow plug, current drain at 0° F		
Injector nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler—type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake system

Turbo charger - manufacturer	N.A.		
Super charger - manufacturer			
Intercooler			

* Finished State.

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Engine Description

Engine Code

B18C1	B18B1	B18C5
5M/T	5M/T 4A/T	5M/T

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Std.			
Coolant fill location (rad., bottle)		Rad.			
Radiator cap relief valve pressure kPa (psi)		108 ± 14.7			
Circulation	Type (choke, bypass)	Bypass			
Thermostat	Starts to open at °C (° F)	78 ± 2			
Water Pump	Type (Centrifugal, other)	Centrifugal			
	GPM 1000 pump rpm	36 at 7600 rpm	36 at 6000rpm	36 at 7600 rpm	
	Number of pumps	1			
	Drive (V-belt, other)	Cogged belt			
	Bearing Type	Ball bearing			
	Impeller material	Carbon steel			
	Housing material	Aluminum alloy			
By-pass recirculation type (inter., ext.)		External			
Cooling System Capacity	With heater -L (qt.)	6.7	6.4	6.7	6.7
	With air conditioner -L (qt.)	N.A.			
	Opt. equipment specify -L (qt.)	N.A.			
Water jackets open at head face (yes, no)		Yes			
Water all around cylinder (yes, no)		Yes			
Water jackets full length of cylinder (yes, no)		Yes			
Radiator Core	Std., A/C, HD	Std.			
	Type (cross-flow, etc.)	Down-flow			
	Construction (fin & tube mechanical, braze, etc.)	Vertical/tube & fin			
	Material, mass kg (weight, lbs.)*	Aluminum 2.56	Brass 3.55	Aluminum 2.80	Aluminum 2.56
	Width	670.3	660.8	670.3	670.3
	Height	350	350	350	350
	Thickness	18	16	18	18
	Fins per inch	11			
Radiator end tank material		Nylon			
Fan	Std., electric, opt.	Elec.			
	Number of blades & type (flex, solid, material)	4, Flex, Polypropylene	5, Flex, Polypropylene	4, Flex, Polypropylene	
	Number & location (front, rear of radiator)	1, Rear of radiator			
	Diameter & projected width	300, 52-100	300, 48-100 / 300, 52-110		
	Ratio (fan to crankshaft rev.)	N.A.			
	Fan cutout type	N.A.			
	Drive type (direct, remote)	N.A.			
	RPM at idle (electric)	2200 ± 10 %	2150 ± 9.3 %	2200 ± 10 %	
	Motor rating (wattage/electric)	80			
	Motor switch (type & location/elec.)	Thermo switch			
	Switch point (temp./pressure/elec.)	93 ± 1.5 °C			
	Fan shroud (material)	Polypropylene			

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B18C1

B18B1

B18C5

Engine - Fuel System (See supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel injection system		
Manufacturer		HONDA MOTOR		
Carburetor no. of barrels		N.A.		
Idle A/F mix.		Approx. 14.7		
Fuel injection	Point of injection (no.)	Intake port, (4)		
	Constant, pulse, flow	Pulse flow		
	Control (electronic, mech.)	Electronic		
	System pressure kPa (psi)	340 \pm 5	290 \pm 5	290 \pm 5
Idle spd. rpm (spec. neutral or drive and propane if used)	Manual	750(Neutral)	750(Neutral)	800(Neutral)
	Automatic	N.A.	750(Neutral)	N.A.
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water thermostatic		
Air cleaner type		Non woven fabric element		
Fuel filter (type/location)		Paper element/Engine compartment		
Fuel pump	Type (elec. or mech.)	Electrical		
	Location (eng., tank)	In fuel tank		
	Pressure range kPa (psi)	441 ~ 637		
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	125 at 343	96 at 294	125 at 343

Fuel Tank

Capacity refill L (gallons)		50
Location (describe)		Rear under floor
Attachment		Bolt
Material & Mass kg (weight lbs.)		Steel .9.5
Filler pipe	Location & material	LH side rear quarter panel, carbon steel
	Connection to tank	Flexible connecting tube
Fuel line (material)		Steel pipe
Fuel hose (material)		Fluoric rubber
Return line (material)		Steel pipe
Vapor line (material)		Steel pipe
Extended range tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
Auxiliary tank	Opt., n.a.	N.A.
	Capacity L (gallons)	N.A.
	Location & material	N.A.
	Attachment	N.A.
	Selector switch or valve	N.A.
Separate fill		N.A.

**Specifications
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Engine Description

Engine Code

B18C1	B18B1	B18C5
5M/T	5M/T 4A/T	5M/T

Vehicle Emission Control

Exhaust Emission Control	Type(air injection,engine modifications,other)		CAT
	Air Injection	Pump or pulse	N.A.
		Driven by	N.A.
		Air distribution (head, manifold, etc.)	N.A.
		Point of entry	N.A.
	Exhaust Gas Recirc- ulation	Type (controlled flow, open orifice, other)	N.A.
		Exhaust source	N.A.
		Point of exhaust injection (spacer, carburetor, manifold, other)	
	Catalytic Converter	Type	Three-way
		Number of	1
		Location(s)	Under floor
		Volume L (in. ³)	Confidential
		Substrate type	Confidential
		Noble metal type	Confidential
		Noble metal concentration (g/cm. ³)	Confidential
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction system(PCV)
	Energy source (manifold vacuum, carburetor, other)		Manifold vacuum
	Discharges to (intake manifold, other)		To intake manifold
	Air inlet (breather cap, other)		Air intake hose
Evaporative Emission Control	Vapor vented to (crank- case, canister, other)	Fuel tank	Canister
		Carburetor	N.A.
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine - Exhaust System

Type (single, single with cross-over, dual, other)		Single		
Muffler no. & type (reverse flow, straight thru, separate resonator) Muffler Volume (liters), Material & Mass kg (weight lbs.)		1025, Straight thru, Stainless steel 9.5	512, Straight thru, Stainless steel 9.5	1028, Straight thru, Stainless steel 8.5
Resonator no., type & volume (liters)		N.A.		
Exhaust pipe	Branch o.d., wall thickness	N.A.		
	Main o.d., wall thickness	41.3, 1.0	38.1, 1.2	50.8, 1.5
	Material & Mass kg (weight lbs.)	Stainless steel 4.0	Stainless steel 3.9	Stainless steel 4.5
Intermediate pipe	O.d. & wall thickness	48.6, 1.6 & 50.8, 2.0		50.8, 1.5 & 57.2, 1.5
	Material & Mass kg (weight lbs.)	Carbon steel		
Tail pipe	O.d. & wall thickness	50.8, 1.2	48.6, 1.2	54.0, 1.2
	Material & Mass kg (weight lbs.)	Stainless steel 9.5		Stainless steel 8.5

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Engine Description

Engine Code

B18C1	B18B1	B18C5
5M/T	5M/T	4A/T

Transmission / Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	N.A.
Manual 5-speed (manufacturer/country)	HONDA/JAPAN
Manual 6-speed (manufacturer/country)	N.A.
Automatic (manufacturer/country)	N.A.
Automatic overdrive (manufacturer/country)	N.A.

Manual / Transmission / Transaxle

Number of forward speeds	5
Gear ratios	1st 3.230 3.230 3.230
	2nd 1.900 1.900 2.105
	3rd 1.360 1.269 1.458
	4th 1.034 0.966 1.107
	5th 0.787 0.714 0.848
	6th N.A.
Reverse	3.000
Synchronous meshing (specify gears)	All gears
Shift lever location	Floor
Trans. case material & mass kg (lbs.)*	54.6 Aluminum 53.8 Aluminum silicon alloy 54.6 Aluminum
Lubricant Capacity L (pt.)	Silicon alloy 2.3, refill 2.2
Type recommended	* API SF or SG, SAE 10W-30 or 10W-40

Clutch (Manual Transmission)

Clutch manufacturer	F.C.C
Clutch type (dry, wet; single, multiple disc)	Dry, Single
Linkage (hydraulic, cable, rod, lever, other)	Hydraulic
Maximum pedal effort (nominal sprig load) N (lbs.)	Depressed — Released —
Assist (spring, power/percent, nominal)	Spring 1.5 ± 0.3 kgf
Type pressure plate springs	Diaphragm
Total spring load (nominal) N (lbs.)	4410 ~ 4860
Clutch facing	Facing mfr. & material coding F.C.C
	Facing material & construction Resin mold
	Rivets per facing 16
	Outside x inside dia. (nominal) 220 x 150
	Total eff. area cm ² (in. ²) 203
	Thickness 3.5
	(pressure plate side/flywheel side)
	Rivets depth 1.4
	(pressure plate side/flywheel side)
	Engagement cushion method Disk plate spring
Release bearing type & method lub.	Ball bearing
Torsional damping method, springs, hysteresis	Springs

* Includes shift linkage, lubricant, and clutch housing. If other specify.

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Engine Description

Engine Code

B18B1

Automatic Transmission / Transaxle

Trade Name		Automatic
Type and special features (describe)		4-speed automatic transmission with lock-up clutch
Shift mechanics		Hydraulic, Mechanical
Gear selector	Location (column, floor, other)	Floor
	Ltr./No. designation (e.g. PRND21)	P, R, N, D4, D3, 2, 1
	Shift interlock (yes, no, describe)	YES
Gear ratios	1st	2.722
	2nd	1.468
	3rd	0.975
	4th	0.638
	Reverse	1.954
	Final drive ratio	4.357
Max. upshift vehicle speed-drive range km/h(mph)		1 - 2 : 52 , 2 - 3 : 102 , 3 - 4 : 160
Max. upshift engine speed RPM		1 - 2 : 6000 , 2 - 3 : 6330 , 3 - 4 : 6330
Max. kickdown speed-drive range km/h(mph)		4 - 3 : 140 , 3 - 2 : 90 , 2 - 1 : 40
Min. overdrive speed km/h (mph)		4 - 3 : 31 , 3 - 2 : 12 , 2 - 1 : 12
Torque converter	Type	3 elements 1 stage
	Torus design	Axial flow
	Number of elements	3
	Max. ratio at stall	1.95 at 2400 rpm
	Type of cooling (air, liquid)	Air & Liquid
	Nominal diameter	244
	Capacity factor "K"*	2.65
Pump type		Outer gear pump (Involute gear design)
Lubricant	Capacity refill L (pt.)	5.9, refill 2.7
	Type recommended	DEXRON II
Oil cooler(std., opt., N.A. internal, external, air, liquid)		Std., External, Liquid
Transmission mass kg (lbs.) & case material**		72 Aluminum sillicon alloy

All Wheel / 4 Wheel Drive

Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		N.A.
Transfer case	Manufacturer and model	
	Type and location	
Low - range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o	
	Viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

* Input speed $\div \sqrt{\text{torque}}$

** Dry weight including torque converter. If other, specify.

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Engine Description

Engine Code

B18C1	B18B1	B18C5
5M/T	5M/T 4A/T	5M/T

Axle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage)

Effective final drive ratio (or overall top gear ratio)	4.400	4.266	4.357	4.400
Transfer ratio and method (chain, gear, etc.)	N.A.			
Front drive unit	Ring gear o.d.	193.1	192.2	187.7
	No. of teeth	Pinion	14	15
		Ring gear	66	66

Front Drive Unit

Description (integral to trans., etc.)	Helical gear	
Limited slip differential (type)	N.A.	Std.(Mechanical)
Drive pinion	Type	Straight bevel gear
	Offset	N.A.
No. of differential pinions	2	
Pinion/differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	N.A.
Driving wheel bearing (type)	Ball bearing	
Lubricant	Capacity L (pt.)	Common in transmission lubricant
	Type recommended	Lubricated by transmission oil

Axle Shafts - Front Wheel Drive

Manufacturer and number used			HONDA MOTOR , 2		
Type (straight, solid bar, tubular, etc.)		Left	Straight solid bar		
		Right	Straight solid bar		
Outer diam. x length* x wall thickness	Manual transaxle	Left	26 × 425.4	25 × 425.4	26 × 425.4
		Right	26 × 425.4	25 × 425.4	26 × 425.4
	Automatic transaxle	Left	—	25 × 425.4	—
		Right	—	25 × 425.4	—
	Optional transaxle	Left	N.A.		
		Right	N.A.		
Slip yoke	Type		Barfield double offset joint – solid type		
	Number of teeth		N.A.		
	Spline o.d.		N.A.		
Universal joints	Make and mfg. no.	Inner	HONDA MOTOR		
		Outer	HONDA MOTOR		
	Number used		Inner : 2, Outer : 2		
	Type, size, plunge	Inner	Constant velocity joint		
		Outer	Constant velocity joint		
	Attach (u-bolt, champ, etc.)		C – clip		
	Bearing	Type (plain, anti-friction)	Roller, Anti – friction		
		Lubrication (fitting, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)			N.A.		
Torque taken through(torque tube, arms or springs)			N.A.		

* Centerline to centerline of universal joints, or to centerline of attachment.

(Front Wheel Drive)

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000 Issued July 1999 Revised (*)

Engine Description

Engine Code

B18C1	B18B1	B18C5
5M/T	5M/T 4A/T	5M/T

Axle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio (or overall top gear ratio)	N.A.
Ring gear o.d.	
No. of teeth	Pinion
	Ring gear

Rear Axle Unit

Description	N.A.
Limited slip differential (type)	
Drive pinion	Type
	Offset
No. of differential pinions	
Pinion/differential	Adjustment (shim, etc.)
	Bearing adjustment
Driving wheel bearing (type)	
Lubricant	Capacity L (pt.)
	Type recommended

Propeller Shaft - Rear Wheel Drive

Manufacturer	N.A.
Type (straight tube, tube-in-tube, internal-external damper, etc.)	
Outer diam.	Manual 4-speed transmission
x length* x	Manual 5-speed transmission
wall	Manual 6-speed transmission
thickness	Overdrive
	Automatic transmission
Intermediate bearing	Type (plain, anti-friction)
	Lubrication (fitting, prepack)
Slip yoke	Type
	Number of teeth
	Spline o.d.
	Make and mfg. no.
	Front
	Rear
	Number used
Universal joints	Type (ball and trunnion, cross)
	Rear attach (u-bolt, clamp, etc.)
	Bearing
	Type (plain, anti-friction)
	Lubrication (fitting, prepack)
Drive taken through (torque tube, arms or springs)	
Torque taken through (torque tube, arms or springs)	

* Centerline to centerline of universal, or to centerline of attachment.

(Rear Wheel Drive)

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000 Issued July 1999 Revised (*)

Model Code/Description And/Or

Engine Code/Description

LS/GS	GS-R	TYPE-R
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Suspension - General Including Electronic Controls

Car leveling	Standard/optional/not avail.	N.A.
	Manual/automatic control	
	Type (air/hydraulic)	
	Primary/assist spring	
	Rear only/4 wheel leveling	
	Single/dual rate spring	
	Single/dual ride heights	
	Provision for jacking	
Shock absorber damping controls	Standard/optional/not avail.	N.A.
	Manual/automatic control	
	Number of damping rates	
	Type of actuation (manual/electric motor/air, etc.)	
	Sensors	Lateral acceleration
		Deceleration
		Acceleration
		Road surface
Shock absorber (front & rear)	Type	Telescopic, Nitrogen gas-filled
	Make	SHOWA
	Piston diameter	Front : 30 , Rear : 30
	Rod diameter	Front : 12.5 , Rear : 12.5

Suspension - Front

Type and description		Independent, Double wishbone with coil spring	
Travel	Full jounce (define load condition)	64.0	
	Full rebound	52.9	
Spring	Type (coil, leaf, other & material)	Coil spring, Steel	
	Insulators (type & material)	Mounting, Rubber	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	389.7 × 58.0 ~ 73.4 (LS M/T, GS M/T, 3D GS-R) 394.5 × 58.0 ~ 73.4 (LS A/T, GS A/T, 4D GS-R) 332.5 × 58.0 ~ 72.6 (TYPE-R)	
	Spring rate N/mm (lb. / in.)	33.3	43.1
	Rate at wheel N/mm (lb. / in.)	15.2	23.3
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & o.d. bar/tube, wall thickness	Spring steel 24.0	

Suspension - Rear

Type and description		Independent, Double wishbone with coil spring	
Travel	Full jounce (define load condition)	91.9	
	Full rebound	48.9	
Spring	Type (coil, leaf, other & material)	Coil spring, Steel	
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	-3D: 379.0 × 64.1 ~ 78.7 - 4D: 363.7 × 64.5 ~ 79.1 TYPE-R : 290.5 × 61.3 ~ 80.5	
	Spring rate N/mm (lb. / in.)	18.6	28.4 ~ 43.1
	Rate at wheel N/mm (lb. / in.)	15.2	25.8 ~ 32.8
	Insulators (type & material)	Mounting, Rubber	
	If leaf	No. of leaves	N.A.
		Shackle (comp. or tens.)	N.A.
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & o.d. bar/tube, wall thickness	Spring steel 13.0	Spring steel 14.0 Spring steel 22.0
Track bar (type)		N.A.	

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description And/Or

Engine Code/Description

LS/GS/GS-R

TYPE-R

BRAKE - SERVICE

Description			Split service brake		
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		NISSIN, DISK		
	Rear (disc or drum)		NISSIN, DISK		
Valving type (proportion, delay, metering, other)			Proportion		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc.)			Integral, Vac.		
Vacuum	Source (inline, pump, etc.)		Inline		
	Reservoir (volume in. ³)		N.A.		
	Pump-type (elec. gear driven, belt driven)		N.A.		
Traction assist	Operational speed range		N.A.		
	Type (engine or brake intervention)		N.A.		
Anti – lock device	Front/rear (std., opt., n.a.)		Std. / std.		
	Manufacturer		HONDA		
	Type (electronic, mech.)		Electronic		
	Number of sensors or circuits		4		
	Number anti – lock hydraulic circuits		3		
	Integral or add – on system		Integral		
	Yaw control (yes, no)		No		
	Hydraulic power source (elec., vac., mtr., pwr., strg.)		Electronic		
Effective area cm ² (in. ²)*			Front : 200, Rear : 84		Front:204 Rear:113
Gross Lining area cm ² (in. ²)*(F/R)			224 / 84		210/113
Swept area cm ² (in. ²)*(F/R)			1320 / 804		1478/1095
Rotor	Outer working diameter	F/R	262 / 239		282/260
	Inner working diameter	F/R	160 / 174		172/170
	Thickness	F/R	21/10		25/10
	Material & Type (vented/solid)	F/R	Cast iron, Vented / Cast iron, Solid		
Drum	Diameter & width	F/R	N.A.		
	Type & material	F/R	N.A.		
Wheel cylinder bore			Front:57.2,Rear:30.2		Front:57.2,Rear:33.96
Master cylinder	Bore/stroke	F/R	25.4/30.0		
Pedal arc ratio			4.06(A/T), 3.84(M/T)		3.84
Line pressure at 445N (100 lb.) pedal load kPa (psi)			9444		
Lining clearance		F/R	Self adjusting / Self adjusting		
Braking Lining	Front Wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		N.A.	
		Manufacturer		NISSIN	
		Lining code *****		NS175HEF JB NF71GG	
		Material		Resin mold	
		****	Primary or outboard	117 × 49.8 × 10 132.4 × 51.5 × 11.0	
		Size	Secondary or inboard	117 × 49.8 × 10 132.4 × 51.5 × 11.0	
		Shoe thickness (no lining)		6.5	
	Rear Wheel	Bonded or riveted (riveted/seg.)		Bonded	
		Manufacturer		NISSIN NISSIN	
		Lining code *****		NBK D6222FF NBK D6234FF	
		Material		Resin mold	
		****	Primary or outboard	71.0 × 31.0 × 7.5 71.0 × 40.0 × 9.0	
		Size	Secondary or inboard	71.0 × 31.0 × 7.5 71.0 × 40.0 × 9.0	
		Shoe thickness(no lining)		5.5	

* Excluding rivet holes, grooves, chamfers., etc.

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness.

***** Manufacturer I.D. , catalog for formulation designation and coefficient of friction classification.

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description And/Or
Engine Code/Description

LS/GS/GS-R/TYPE-R

Tire And Wheels (Standard)

Tires	Size (service description)		P195/55R15 84V(LS/GS/GS-R) 195/55R15 84V(TYPE-R)
	Type (bias, radial, steel, nylon, etc.)		Radial
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	240 (35)
		Rear kPa (psi)	230 (33)
	Rev./mile-at 70 km/h (45 mph)		861
Wheels	Type & material		Spoke, Aluminum
	Rim (size & flange type)		15 x 6JJ
	Wheel offset		45 (LS/GS/GS-R), 50(TYPE-R)
	Attachment	Type(bolt or stud & nut)	Stud
		Circle diameter	110 (LS/GS/GS-R), 114.3(TYPE-R)
Spare			Number & size
	Tire and wheel		4 M12 x 1.5(LS/GS/GS-R), 5M12 x 1.5(TYPE-R)
	Storage position & location (describe)		T125/70D14 (LS/GS/GS-R), T125/70D15 (TYPE-R) 14 x 4T(LS/GS/GS-R), 15 x 4T(TYPE-R) on cargo floor

Tire And Wheels (Optional)

Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	Fin, Aluminum
Rim (size, flange type and offset)	15 x 6JJ,45(LS/GS/GS-R), 50(TYPE-R)
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Tire size (service description)	
Type (bias, radial, steel, nylon, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	

Brakes - Parking

Type of control		Hand operated lever
Location of control		Between front seats
Operates on		Rear wheels
If separate from service brakes	Type (internal or external)	N.A.
	Drum diameter	N.A.
	Lining size (length x width x thickness)	N.A.

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000 Issued July 1999 Revised (*)

Model Code/Description And/Or
Engine Code/Description

LS/GS/GS-R

TYPE-R

Steering

Manual (std., opt., n.a.)				N.A.		
Power (std., opt., n.a.)				Std.		
Speed-sensitive (std., opt., n.a.)				Std.		
4-wheel steering (std., opt., n.a.)				N.A.		
Adjustable steering wheel/column (tilt, telescope, other)		Type		Tilt		
		Manufacturer (std., opt., n.a.)		Honda		
				Std.		
Wheel diameter** (W9) SAE J1100		Manual		N.A.		
		Power		375		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		11.4		
		Curb to curb (l. & r.)		10.6		
	Inside rear	Wall to wall (l. & r.)		6.10		
		Curb to curb (l. & r.)		6.30		
Scrub radius *				-3.3		
Manual	Gear	Type		N.A.		
		Manufacturer		N.A.		
		Ratios	Gear	N.A.		
			Overall	N.A.		
	No. wheel turns (stop to stop)			N.A.		
Power	Type (coaxial, ele., hyd., etc.)		Coaxial			
	Manufacturer		SEIKI GIKEN			
	Gear	Type		Rack & Pinion		
		Ratios	Gear	∞		
			Overall	16.10	15.70	
			Pump (drive)		V. Belt	
	No. wheel turns (stop to stop)		2.98	2.85		
	Linkage	Type		Lateral tie-rod		
Location (front or rear of wheels, other)		Rear of front wheel				
Tire rods (one or two)		two				
Steering axis	Inclination at chamber (deg.)		Camber :0,king pin:10° 48'		Camber:29' ,king pin:11° 06'	
	Bearings (type)	Upper	Ball joint			
		Lower	Ball joint			
		Thrust	N.A.			
Steering spindle/knuckle & joint type				Ball joint		

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.

** See Page 23.

**Specifications
METRIC**

Vehicle Line **ACURA INTEGRA 3 DOOR / 4 DOOR**

Model Year **2000** Issued **July 1999** Revised **(*)**

Model Code/Description And/Or
Engine Code/Description

LS/GS/GS-R

TYPE-R

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	1° 10' ± 1°	
		Camber (deg.)	-0° 05' ± 1°	-0° 30' ± 1°
		Toe-in outside track - mm(in.)	0 ± 2	
	Service reset*	Caster (deg.)	Pre-set	
		Camber (deg.)	Pre-set	
		Toe-in - mm (in.)	Adjustable	
	Periodic M.V. inspection	Caster (deg.)	Same as service checking	
		Camber (deg.)	Same as service checking	
		Toe-in - mm (in.)	Same as service checking	
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-0° 45' ± 0° 45' or -0° 45' ± 1° 15'	
		Toe-in outside track-mm(in)	2 ⁺² ₋₁	
	Service reset*	Camber (deg.)	Pre-set	
		Toe-in - mm (in.)	Adjustable	
	Periodic M.V. inspection	Camber (deg.)	Same as service checking	
		Toe-in - mm (in.)	Same as service checking	

* Indicates pre - set, adjustable, trend set or other.

Electrical - Instruments And Equipment

Speedometer	Type (analog, digital, std., opt.)	Analog, std.
	Trip odometer (std., opt., n.a.)	Std.
Head-up display	Standard, optional, not available	N.A.
	Type	Secondary, opto-electronic
	Speedometer	Digital
	Status/warning indicators	Turn signals, high beam, low fuel, check gauges
	Brightness control	Day/night mode, adjustable
	EGR maintenance indicator	N.A.
Charge indicator	Type	Voltage regulator
	Warning device (light, audible)	Light
Temperature indicator	Type	Electric thermal gauge
	Warning device (light, audible)	N.A.
Oil pressure indicator	Type	Electric pressure switch
	Warning device (light, audible)	Light
Fuel indicator	Type	Electric gauge
	Warning device (light, audible)	Light
Windshield wiper	Type (standard)	Electric 2 speed with intermittent and mist operation
	Type (optional)	N.A.
	Blade length	Driver side : 606, Assist side : 550
	Swept area cm2 (in.2)	7003
Windshield washer	Type (standard)	Electric motor
	Type (optional)	N.A.
	Fluid level indicator (light, audible)	N.A.
Rear window wiper, wiper/washer (std., opt., n.a.)		Std.
Horn	Type	Electric vibrator
	Number used	1
Other	Parking Brake/Brake Failure Warning Light, Headlight High Beam Indicator Light, Seat Belt Warning Buzzer & Warning Light, Door Open Warning Buzzer & Warning Light, Hatch/Trunk Open Warning Light, Shift Indicator (for 4A/T), Cruise Control Indicator Light, ABS Warning Light, Maintenance Required Indicator	

Specifications

METRIC

Vehicle Line ACURRA INTEGRA 3 DOOR/4 DOOR
 Model Year 2000 Issued July 1999 Revised (*)

Model Code/Description And/Or
 Engine Code/Description

B18C1	B18B1	B18C5
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Electrical - Supply System

Battery	Manufacturer	MATSUSHITA, YUASA		
	Model, std., (opt.)	55B23L(S)-MF		
	Voltage	12V		
	Amps at 0°F cold crank	410A		
	Minutes - reserve capacity	70		
	Amps/hrs. - 20 hr. rate	45		
	Location	Rear right of engine compartment		
Alternator	Manufacturer	DENSO		
	Rating (idle/max. rpm)	12V-90A		
	Ratio (alt. crank/rev.)	2.29	2.37	2.11
	Output at idle (rpm, park)	Min. 50A		
	Optional (type & rating)	N.A.		
Regulator	Type	IC regulator		

Electrical - Starting System

Motor	Manufacturer	DENSO		
	Current drain _____ °C (°F)	—		
	Power rating kw (hp)	1.4		
Motor drive	Engagement type	Magnetic		
	Pinion engages from (front, rear)	Right side		

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)		Std.					
	Other (specify)		N.A.					
Coil	Manufacturer		TOYO DENSO					
	Model		TC-08A					
	Current	Engine stopped - A	0					
		Engine idling - A	—					
Spark plug	Manufacturer		NGK	DENSO	NGK	DENSO	NGK	DENSO
	Model	Std.	PFR6G-13	PK20PR-L13	ZFR5F-11	KJ16CR-L11	PFR6G-11	PK20PR-L11
		Opt.	—	—	ZFR6F-11	KJ20CR-L11	—	—
	Thread (mm)		14					
	Tightening torque N·m (lb. - ft.)		18					
	Gap		1.3 $\begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$		1.1 $\begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$		1.3 $\begin{smallmatrix} +0 \\ -0.1 \end{smallmatrix}$	
	Number per cylinder		1					
Distributor	Manufacturer		TOYO DENSO					
	Model		TD - 84U		TD-85U		TD-86U	

Electrical - Suppression

Location & Type	High resistance spark plug. High resistance high tension cord.
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Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000 Issued July 1999 Revised (*)

Model Code/Description

3DOOR

4DOOR

Body

Structure	Monocoque construction
Bumper system front - rear	Impact absorbing Fascia (Polypropylene) Energy absorber (Forming) Reinforcement (High strength steel sheet)
Anti - corrosion treatment	Surface treated steel sheet Cathodic ED paint Rust preventive wax injection Chipping primer, PVC under body coating

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic braking	
Hood	Material & mass	Iron-zinc alloy coated steel, 14.9	
	Hinge location (front, rear)	Rear	
	Type (counterbalance, prop)	Prop	
	Release control (internal, external)	Internal	
Trunk lid	Material & mass		Iron-zinc alloy coated steel, 9.9
	Type (counterbalance, other)		Spring
	Internal release control(elec., mech., n.a.)		Mech.
Hatch – back lid	Material & mass	Iron-zinc alloy coated steel, 9.9	
	Type (counterbalance, other)	Dumper	
	Internal release control(elec., mech., n.a.)	Mech.	
Tailgate	Material & mass		
	Type (dr, lift, door)		
	Internal release control (elec., mech., n.a.)		
Vent window control (crank, friction, pivot, power)		Front	N.A.
		Rear	N.A.
Window regulator type (cable, tape, flex drive, etc.)		Front	Flex
		Rear	N.A.
Seat cushion type (e.g. 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket, Panel frame, Foam
		Rear	Bench, Wire frame, Foam
		3rd seat	N.A.
Seat back type (e.g. 60/40 bucket, bench, wire, foam, etc.)		Front	Bucket, Panel frame + spring, Foam
		Rear	Bench, Tube/panel frame, Foam
		3rd seat	N.A.

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized frame
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Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

3DOOR (LS/GS/GS-R/TYPE-R)

Restreint System

Seating position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	1st seat	Lap & shoulder belt, Std.	N.A.	Lap & shoulder belt, Std.
		2nd seat	Lap & shoulder belt, Std.	N.A.	Lap & shoulder belt, Std.
	Standard /optional	3rd seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap - belt)	1st seat	Air bag, Knee bolster, Std.	N.A.	Air bag, Knee bolster, Std.
		2nd seat	N.A.	N.A.	N.A.
	Standard /optional	3rd seat	N.A.	N.A.	N.A.

Glass	SAE Ref. No.	
Windshield glass exposed surface area cm ² (in. ²)	S1	9039 *
Side glass exposed surface area cm ² (in. ²) - total 2 - sides	S2	7473 *
Backlight glass exposed surface area cm ² (in. ²)	S3	7515 *
Total glass exposed surface area cm ² (in. ²)	S4	24027 *
Windshield glass (type/thickness)		Laminated safety glass / 4.7
Side glass (type/thickness)		Tempered reinforced glass / Door glass : 4.0 Rear quarter glass : 3.5
Backlight glass (type/thickness)		Tempered reinforced glass / 3.5
Tinted (yes/no, location)		Yes, All glasses
Solar control (yes/no, coated /batched, location)		No

* Daylight opening area

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable bulb, Halogen
Shape	Round
Lo - beam type (2A1, 2B1, 2C1, etc.)	HB4
Quantity	2
Hi - beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB3
Quantity	2

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

4DOOR (LS/GS/GS-R)

Restreint System

Seating position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.) Standard /optional	1st seat	Lap & shoulder belt, Std.	N.A.	Lap & shoulder belt, Std.
		2nd seat	Lap & shoulder belt, Std.	Lap belt	Lap & shoulder belt, Std.
		3rd seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized – 2-point belt, fixed belt, knee bolster, manual – lap – belt) Standard /optional	1st seat	Air bag, Knee bolster, Std.	N.A.	Air bag, Knee bolster, Std.
		2nd seat	N.A.	N.A.	N.A.
		3rd seat	N.A.	N.A.	N.A.

Glass	SAE Ref. No.	
Windshield glass exposed surface area cm ² (in. ²)	S1	9045 *
Side glass exposed surface area cm ² (in. ²) - total 2 - sides	S2	9215 *
Backlight glass exposed surface area cm ² (in. ²)	S3	7548 *
Total glass exposed surface area cm ² (in. ²)	S4	25808 *
Windshield glass (type/thickness)		Laminated safety glass / 4.7
Side glass (type/thickness)		Tempered reinforced glass / 4.0
Backlight glass (type/thickness)		Tempered reinforced glass / 3.5
Tinted (yes/no, location)		Yes, All glasses
Solar control (yes/no, coated /batched, location)		No

* Daylight opening area

Headlamps

Description (sealed beam, halogen, replaceable bulb, etc.)	Replaceable bulb, Halogen
Shape	Round
Lo - beam type (2A1, 2B1, 2C1, etc.)	HB4
Quantity	2
Hi - beam type (1A1, 2A1, 1C1, 2C1, etc.)	HB3
Quantity	2

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

B18C1	B18B1	B18C5
GS-R	LS/GS	TYPE-R

Climate Control System

Air conditioning (std., opt., man., auto.)		Std. Manual		Opt. Manual
Condenser	Type	Multi-Flow		
	Eff. face area (sq. mm)	176000		
	Fins per inch	18		
Evaporator	Type	Serpentine		
	Eff. face area (sq. mm)	49000		
	Fins per inch	14		
Heater core	Material	Tube, Tank : Brass Fin : Copper Frame : Steel		
	Eff. face area (sq. mm)	24300		
	Fins per inch	25		
Compressor	Type	Recipro.		
	Displacement (cc)	150		
	Manufacturer	DENSO		
Accumulator	A/C pulley ratio	1.11	1.24	1.04
	Type			
	Height (mm)			
Receiver	Diameter (mm)			
	Type	—		
	Height (mm)	165		
Refrigerant control (CCOT, TVS, etc.)	Diameter (mm)	60		
		—		
		—		
Heater water valve (yes/no)		Yes		
Refrigerant (R-12, R-134a, etc.)		HFC-134a (R-134a)		
Charge level (lbs. - oz.)		650~700g		
Cold engine lockout switch (yes/no)		—		
Wide open throttle cutout switch (yes/no)		—		

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

LS/GS/GS-R/ TYPE-R

Convenience Equipment (standard, optional, n.a.)

	Clock (digital, analog)	Std. (Digital)
	Compass / thermometer	N.A.
	Console (floor, overhead)	Std. (Floor)
	Defroster, electric windshield	N.A.
	Defroster, electric backlight	Std.
Electronic	Diagnostic monitor (integrated, individual)	N.A.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	N.A.
	Fuel door lock (remote, key, electric)	Std. (Remote)
Integrated Child Seating	Std./Opt. & location in vehicle	N.A.
	Number of occupants	N.A.
	Occupant weight/height (min. & max.)	N.A.
	Restraint system description (3 or 5-point belts/booster seat capability)	N.A.
Lamps	Auto head on/off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map, reading)	Std.(Map)
	Door lock, ignition	N.A.
	Engine compartment	N.A.
	Fog	Opt.
	Glove compartment	Std.
	Trunk	Std.
	Illuminated entry system (list lamps, activation)	N.A.
	Other	N.A.
Mirrors	Day/night (auto., man.)	Std. (Man.)
	L.H. (remote, power, heated)	Std. (Power)
	R.H. (convex, remote, power, heated)	Std.(Convex, Power)
	Visor vanity (RH/LH, illuminated)	Std.(RH)
	Navigation system (describe)	N.A.
	Parking brake-auto release (warning light)	N.A.

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

3 DOOR		
LS/GS	GS-R	TYPE-R

Convenience Equipment (standard, optional, n.a.)

Power Equipment	Deck lid (release, pull down)		N.A.
	Door locks (manual, automatic, describe system)		Std. (Electric, Remote)
	Seats	2 - 4 - 6 way, etc.	N.A.
		Reclining (R.H., L.H.)	N.A.
		Memory (R.H., L.H., preset recline)	N.A.
		Support (lumber, hip, thigh, etc.)	N.A.
		Heated (R.H., L.H., other)	N.A.
	Side windows		Std.
	Vent windows		N.A.
	Rear windows		N.A.
Radio Systems	Antenna (location, whip, w/shield, power)		Std. (Rear L.H., Whip type, Power)
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent,	AM, FM, Stereo, Tape Theft deterrent
		Optional radio prep package, headphone jacks, etc.	CD changer
	Speaker (number, location)		Std.(4,Front side doors & rear side lining) Opt. (2, Front side doors)
			Std.(6,Front side door & rear side lining)
Roof: open air or fixed (flip-up, sliding, "T")		Std. (Sliding)	N.A.
Speed control device		Std.	
Speed warning device (light, buzzer, etc.)		N.A.	
Tachometer (rpm)		Std.	
Telephone system (describe)		N.A.	
Theft deterrent system		Std. (Steering lock)	

Trailer Towing

Towing capable	Yes/No	Yes
Engine/transmission/axle	Std./Opt.	Std.
Tow class(I, II, III)*	Std./Opt.	I
Max. gross trailer wgt.(lbs)	Std./Opt.	Std. 450
Max trailer tongue load (lbs.)	Std./Opt.	Std. 45
Towing package available	Yes/No	No

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

4 DOOR	
LS/GS	GS-R

Convenience Equipment (standard, optional, n.a.)

Power Equipment	Deck lid (release, pull down)		N.A.
	Door locks (manual, automatic, describe system)		Std. (Electric, Remote)
	Seats	2 - 4 - 6 way, etc.	N.A.
		Reclining (R.H., L.H.)	N.A.
		Memory (R.H., L.H., preset recline)	N.A.
		Support (lumber, hip, thigh, etc.)	N.A.
		Heated (R.H., L.H., other)	N.A.
	Side windows		Std.
	Vent windows		N.A.
	Rear windows		N.A.
Radio Systems	Antenna(location, whip, w/shield, power)		Std. (Rear windshield glass)
	Standard	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent,	AM, FM, Stereo, Tape
			Theft deterrent
	Optional	radio prep package, headphone jacks, etc.	CD changer
	Speaker (number, location)		Std.(4,Front side doors & rear side lining) Opt. (2, Front side doors)
Roof: open air or fixed (flr- up, sliding, "T")		Std. (Sliding)	
Speed control device		Std.	
Speed warning device (light, buzzer, etc.)		N.A.	
Tachometer (rpm)		Std.	
Telephone system (describe)		N.A.	
Theft deterrent system		Std. (Steering lock)	

Trailer Towing

Towing capable	Yes/No	Yes
Engine/transmission/axle	Std./Opt.	Std.
Tow class(I, II, III)*	Std./Opt.	I
Max. gross tongue load (lbs.)	Std./Opt.	Std. 450
Max trailer tongue load (lbs.)	Std./Opt.	Std. 45
Towing package available	Yes/No	No

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

Specifications

METRIC (U.S. Customary)

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Vehicle Dimensions See key sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each vehicle line.

SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100, "Motor Vehicle Dimensions," unless otherwise specified.

Model Code/Description	SAE Ref.	3DOOR			4DOOR	
		LS/GS	GS-R	TYPE-R	LS/GS	GS-R
Width		No.				
Tread (front)	W101	1475		1480	1475	
Tread (rear)	W102	1470		1475	1470	
Vehicle width	W103	1710				
Body width at Sg RP (front)	W117	1690				
Vehicle width (front doors open)	W120	3738			3487	
Vehicle width (rear doors open)	W121	N.A.			3439	
Tumble-home (degrees)	W122	25° 30'			27° 30'	
Outside mirror width	W410	1940			1910	
Length						
Wheelbase	L101	2570			2620	
Vehicle length	L103	4380			4525	
Overhang (front)	L104	915				
Overhang (rear)	L105	893			988	
Upper structure length	L123	2680			2742	
Rear wheel C/L "X" coordinate	L127	2570			2620	
Height*						
Passenger distribution (front/rear)	PD1,2,3	2/2			2/3	
Trunk/cargo load		45 kg (100 lbs)				
Vehicle height	H101	1290		1275	1325	
Cowl point to ground	H114	866				
Deck point to ground	H138	958				
Rocker panel -front to ground	H112	170			156	
Rocker panel -rear to ground	H111	152			144	
Windshield slope angle (degrees)	H122	63°			62°	
Backlight slope angle (degrees)	H121	73°			68°	
Ground Clearance*						
Front bumper to ground	H102	150				
Rear bumper to ground	H104	192			189	
Bumper to ground front at curb mass (wt.)	H103	157				
Bumper to ground rear at curb mass (wt.)	H105	260				
Angle of approach (degrees)	H106	14°				
Angle of departure (degrees)	H107	15°				
Ramp breakover angle (degrees)	H147	10°				
Axle differential to ground(front/rear)	H153	N.A.				
Min. running ground clearance	H156	109	106	115	109	106
Location of min. grd. clear.		Front end of Exhaust Muffler	Pre-chamber of Exhaust pipe	Pre-chamber of Exhaust pipe	Front end of Exhaust Muffler	Pre-chamber of Exhaust pipe

* All vehicle height and ground clearances are Measured at the manufacturer's Design Load Weight. Manufacturers Design Load weight is defines with indicated passenger distribution and trunk/cargo load, unless otherwise specified.

All linear dimensions are in millimeters (inches) unless otherwise noted.

Specifications

METRIC (U.S. Customary)

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Vehicle Dimensions See key sheets for definitions

Model Code/Description

	SAE Ref. No.	3 DOOR LS/GS/GS-R/TYPE-R	4 DOOR LS/GS/GS-R
Front Compartment			
SgRP front, "X" coordinate	L31	1417	1418
Effective headroom	H61	962	971
Max. eff. leg room (accelerator)	L34	1085	1073
SgRP to heel point	H30	205	
SgRP to heel point	L53	850	
Back angle (degrees)	L40	25°	
Hip angle (degrees)	L42	93°	
Knee angle (degrees)	L44	125° 42'	
Foot angle (degrees)	L46	92° 42'	
Design H-point front travel	L17	240	
Normal driving & riding seat track trvl.	L23	240	
Shoulder room	W3	1314	1309
Hip room	W5	1278	1290
Upper body opening to ground	H50	1212	1253
Steering wheel maximum diameter*	W9	375	
Steering wheel angle (degrees)	H18	22° 36'	23° 42'
Accelerator heel point to steering wheel center	L11	436	433
Accelerator heel point to steering wheel center	H17	584	593
Undepressed floor covering thickness	H67	14	
Rear Compartment			
SgRP point couple distance	L50	673	762
Effective headroom	H63	890	913
Min. effective leg room	L51	714	830
SgRP (second to heel)	H31	230	247
Knee clearance	L48	-45	-114
Shoulder room	W4	1240	1278
Hip room	W6	1119	1267
Upper body opening to ground	H51	N.A.	1261
Back angle (degrees)	L41	28°	
Hip angle (degrees)	L43	72° 30'	79° 18'
Knee angle (degrees)	L45	59°	75° 18'
Foot angle (degrees)	L47	108°	116°
Depressed floor covering thickness	H73	20	
Luggage Compartment			
Usable luggage capacity L (cu. ft.)	V1	377	347
Liftover height	H195	756	597
Interior Volumes (EPA Classification)			
Vehicle class	Sub compact		
Interior volume index including trunk/cargo (cu. ft.)**	[90.1 (3 DOOR) + 95.1 (4 DOOR)] ÷ 2 = 92.6		
Trunk/cargo index (cu. ft.)	13.32		12.27

* See page 14 ** See definition page 33

All linear dimensions are in millimeters (inches) unless otherwise noted.

Specifications

METRIC (U.S. Customary)

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Vehicle Dimensions See key sheets for definitions

Model Year 2000

Issued July 1999

Revised (*)

Model Code/Description

		SAE Ref. No.	3DOOR	4DOOR
Station Wagon/MPV* - Third Seat				
Seat facing direction	SD1	N.A.		
SgRP couple distance	L85			
Shoulder room	W85			
Hip room	W86			
Effective leg room	L86			
Effective head room	H86			
SgRP to heel point	H87			
Knee clearance	L87			
Back angle (degrees)	L88			
Hip angle (degrees)	L89			
Knee angle (degrees)	L90			
Foot angle (degrees)	L91			
Station Wagon/MPV* - Cargo Space				
Cargo length (open front)	L200	N.A.		
Cargo length (open second)	L201			
Cargo length (closed front)	L202			
Cargo length (closed second)	L203			
Cargo length at belt (front)	L204			
Cargo length at belt (second)	L205			
Cargo width (wheelhouse)	W201			
Rear opening width at floor	W203			
Opening width at belt	W204			
Min. rear opening width above belt	W205			
Cargo height	H201			
Rear opening height	H202			
Tailgate to ground height	H250			
Front seat back to load floor height	H197			
Cargo volume index m ³ (ft. ³)	V2			
Hidden cargo Volume index m ³ (ft. ³)	V4			
Cargo volume index-rear of 2-seat	V10			
Cargo volume index*	V6			
Cargo width at floor*	W500			
Maximum cargo height*	H505			
Hatchback - Cargo Space				
Cargo length at front seatback height	L208	1425	N.A.	
Cargo length at floor (front)	L209	1548		
Cargo length at second seatback height	L210	770		
Cargo length at floor (second)	L211	959		
Front seatback to load floor height	H197	472		
Second seatback to load floor height	H198	448		
Cargo volume index m ³ (ft. ³)	V3	0.69		
Hidden cargo volume index m ³ (ft. ³)	V4	N.A.		
Cargo volume index - rear of 2 - seat	V11	0.45		

All linear dimensions are in millimeters (inches) unless otherwise noted.

* MPV - Multipurpose Vehicle

Specifications

METRIC

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

Issued July 1999

Revised (*)

Model Code/
Description

ALL

Vehicle Fiducial Marks

Fiducial mark number*	Define Coordinate Location
Front(1)	
Front(2)	
Rear(1)	
Rear(2)	<p>Datum plane definition - Vertical logitudinal plane through the longitudinal center of the car.</p> <ul style="list-style-type: none"> - Vertical transverse plane through the front wheel center. - Horizontal plane through the bottom of the rocker panels.
Note: Provide 3 of 4 Fiducial mark locations	
Front	W21**
	L54**
	H81**
	H161** 275
	H163**
Rear	W22**
	L55**
	H82**
	H162** 283
	H164**

* Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks.

** Reference - SAE Recommended Practice, J1100 - Motor Vehicle Dimensions.

All linear dimensions are in millimeters (inches) unless otherwise noted.

Specifications
METRIC (U.S. Customary)

Vehicle Line ACURA INTEGRA 3DOOR/4DOOR
Model Year 2000

Issued July 1999 Revised (*)

Code	Model	Vehicle Mass (weight)					% Pass Mass Distribution				
		Curb Mass, kg (lb.)*			Shipping Mass kg (lb.)****	ETWC***	Code	Pass in Front		Pass in Rear	
		Front	Rear	Total				Front	Rear	Front	Rear
DC435	INTEGRA 3DOOR LS 5M/T	742 (1636)	455 (1003)	1197 (2639)	1165 (2568)	N.A.	Q	45	55	18	82
DC445	INTEGRA 3DOOR LS 4A/T	762 (1680)	453 (999)	1215 (2679)	1183 (2608)	N.A.	Q	45	55	18	82
DC436	INTEGRA 3DOOR GS 5M/T	740 (1631)	457 (1008)	1197 (2639)	1165 (2568)	N.A.	Q	45	55	18	82
DC446	INTEGRA 3DOOR GS 4A/T	760 (1676)	455 (1003)	1215 (2679)	1183 (2608)	N.A.	Q	45	55	18	82
DC238	INTEGRA 3DOOR GS-R 5M/T	759 (1673)	454 (1001)	1213 (2674)	1181 (2603)	N.A.	Q	45	55	18	82
DC239	INTEGRA 3DOOR GS-R 5M/T**	758 (1671)	454 (1001)	1212 (2672)	1180 (2601)	N.A.	Q	45	55	18	82
DC231	INTEGRA 3DOOR TYPE-R	728 (1605)	449 (990)	1177 (2595)	1145 (2524)	P	P	45	55	18	82
DB755	INTEGRA 4DOOR LS 5M/T	759 (1673)	477 (1052)	1236 (2725)	1204 (2654)	N.A.	Q	46	54	17	83
DB765	INTEGRA 4DOOR LS 4A/T	778 (1715)	476 (1050)	1254 (2765)	1222 (2694)	N.A.	R	46	54	17	83
DB756	INTEGRA 4DOOR GS 5M/T	757 (1669)	479 (1056)	1236 (2725)	1204 (2654)	N.A.	Q	46	54	17	83
DB766	INTEGRA 4DOOR GS 4A/T	777 (1713)	477 (1052)	1254 (2765)	1222 (2694)	N.A.	R	46	54	17	83
DB858	INTEGRA 4DOOR GS-R 5M/T	777 (1713)	478 (1052)	1255 (2765)	1223 (2694)	N.A.	R	46	54	17	83
DB859	INTEGRA 4DOOR GS-R 5M/T**	777 (1713)	478 (1054)	1255 (2767)	1223 (2696)	N.A.	R	46	54	17	83

* Reference - SAEJ1100 Motor vehicle dimensions, curb weight definition.

**Leather seat

*** ETWC - Equivalent Test Weight Class - basis for U.S. Environment Protection Agency emission certifications.

Refer to ETWC code legend below for weight class.

ETWC LEGEND

A=1000 I=2000 Q=3000 Y =4000
B=1125 J=2125 R=3125 Z =4250
C=1250 K=2250 S=3250 AA=4500
D=1375 L=2375 T=3375 BB=4750
E=1500 M=2500 U=3500 CC=5000
F=1625 N=2625 V=3625 DD=5250
G=1750 O=2750 W=3750 EE=5500
H=1875 P=2875 X=3875 FF=5750

****Shipping Mass (weight) = Curb weight Less:
32 (71)

METRIC (U.S. Customary)

Vehicle Line ACURA INTEGRA 3 DOOR/4 DOOR

Model Year 2000

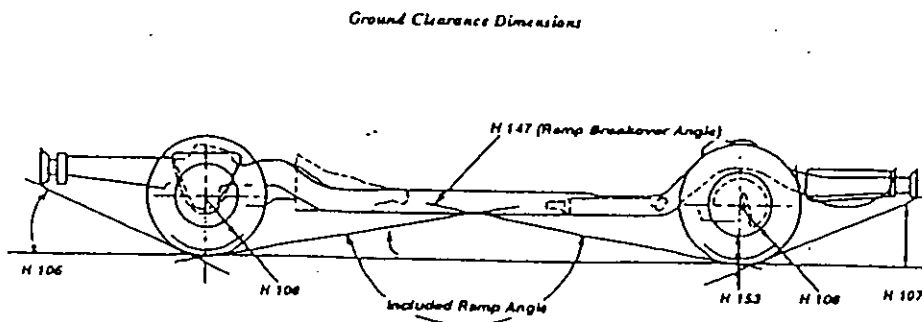
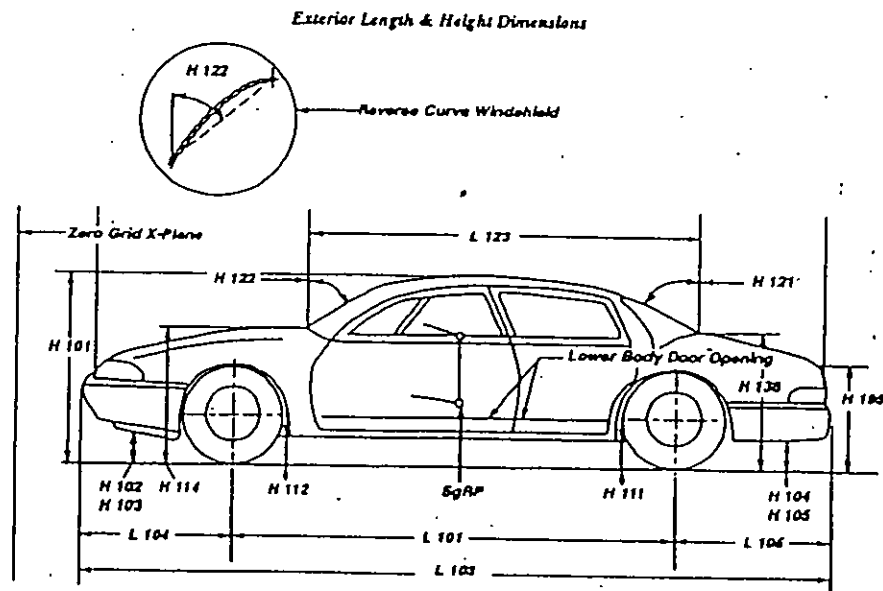
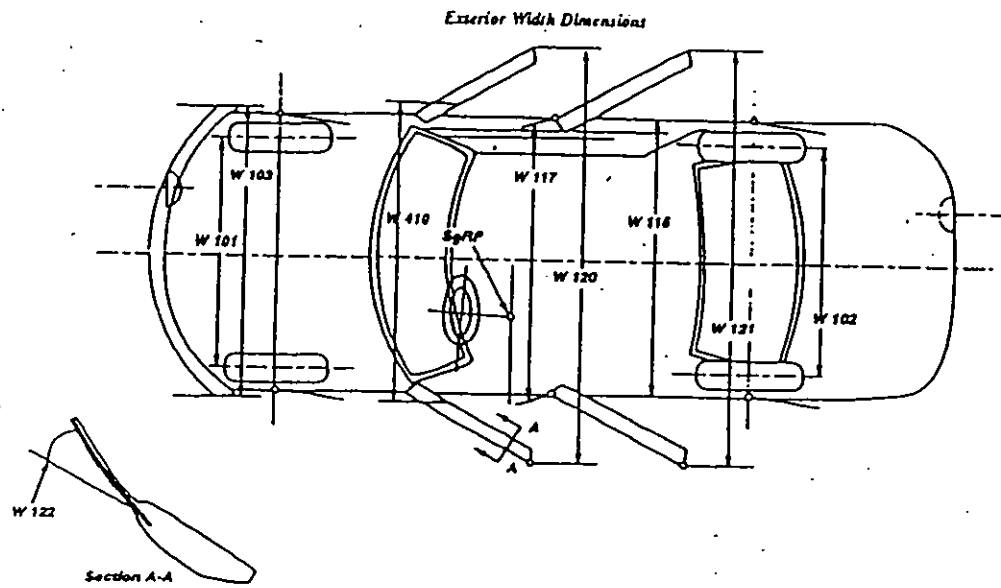
Issued July 1999

Revised (*)

* Also see Engine - General Section for dressed engine mass (weight).

AAMA Specifications
METRIC (U.S. Customary)

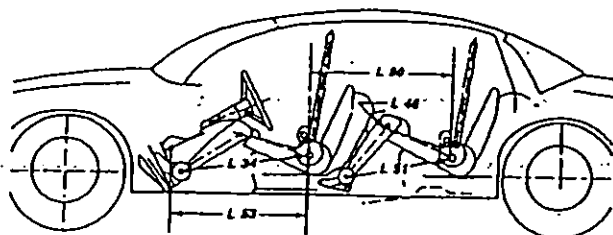
Exterior Vehicle And Body Dimensions - Key Sheet



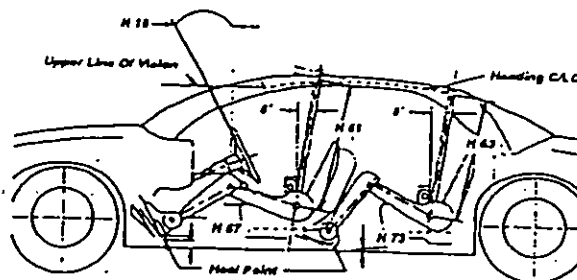
**AAMA Specifications -
METRIC (U.S. Customary)**

Interior Vehicle And Body Dimensions - Key Sheet

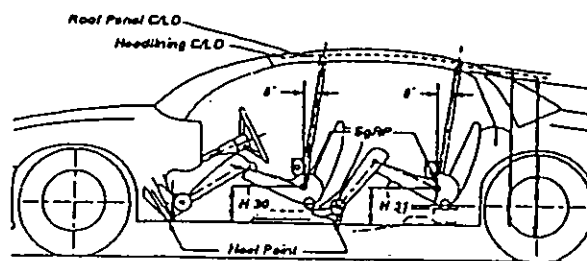
Interior Length Dimensions



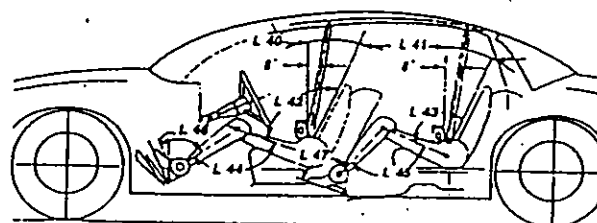
Interior Height Dimensions



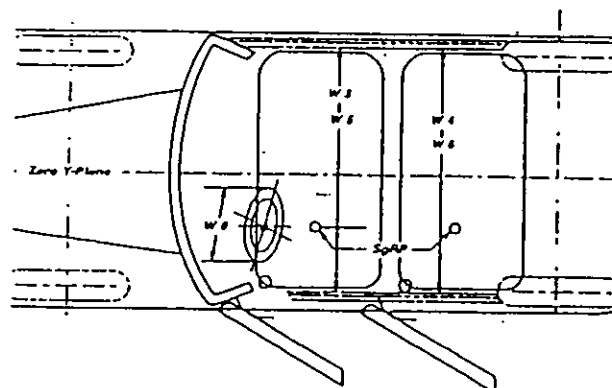
Interior Height Dimensions



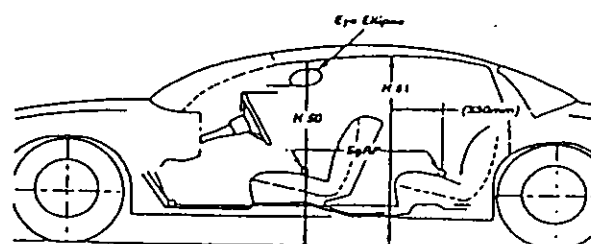
Interior Length Dimensions



Interior Width Dimensions



Interior Height Dimensions



Interior Vehicle And Body Dimensions - Key Sheet

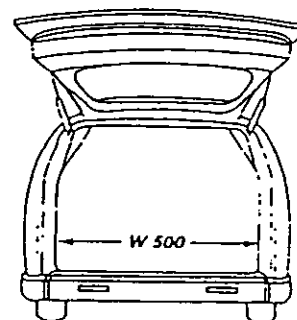
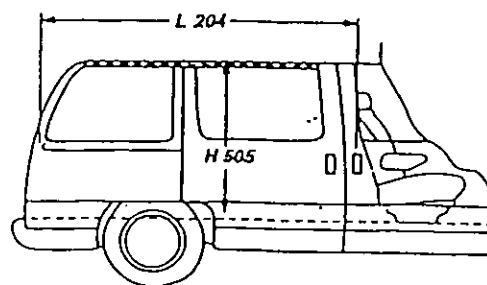
Technical drawing of a vehicle side profile showing dimensions L 200 through L 204 and H 201 through H 203. The drawing includes a side view of the vehicle with a dashed line indicating a lower profile. Dimensions are labeled as follows: L 200 (overall length), L 201 (wheelbase), L 202 (overall length including front overhang), L 203 (distance from front wheel to rear wheel), L 204 (overall length including front overhang), H 201 (height at front wheel), H 202 (height at rear wheel), and H 203 (height at rear wheel).

The diagram shows the rear view of a car. Two horizontal lines are drawn across the rear window. The upper line is labeled 'WAS' and the lower line is labeled 'WAB'. The car's rear bumper and wheels are also visible.

A top-down schematic diagram of a vehicle. The vehicle is represented by a rounded rectangle with two circular headlights on the sides and a rectangular license plate area at the bottom center. Four horizontal dimension lines with arrows at both ends indicate widths at different levels: W 205 is the narrowest, located at the top of the windshield; W 204 is slightly wider than W 205, located just below the windshield; W 201 is wider than W 204, located at the level of the side mirrors; and W 203 is the widest, located at the bottom of the vehicle, below the wheels. The dimension lines are labeled with their respective codes: W 205, W 204, W 201, and W 203.

Technical drawing of a car seat and backrest assembly. The drawing shows the side profile of the seat and backrest. Dimensions are indicated as follows:

- $L 208$: Horizontal distance from the vertical centerline of the seat to the vertical centerline of the backrest.
- $L 210$: Horizontal distance from the vertical centerline of the backrest to the vertical centerline of the seat.
- $L 209$: Horizontal distance from the vertical centerline of the seat to the vertical centerline of the backrest.
- $H 197$: Vertical distance from the seat base to the top of the backrest.
- $H 198$: Vertical distance from the seat base to the top of the backrest.
- $L 211$: Horizontal distance from the vertical centerline of the seat to the vertical centerline of the backrest.



Specifications

METRIC

Exterior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations."

Width Dimensions

- W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP-FRONT. The dimension measured laterally between the widest points on the body at the SGRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH -FRONT DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position.
- W121 VEHICLE WIDTH-REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface to the front door glass at the front SgRP "X" plane.
- W411 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" plane.

Length Dimensions

- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerline. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG-FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hook and/or rub strips, if standard equipment.
- L105 OVERHANG-REAR. The dimension measured longitudinally from the centerline of the rear wheels; or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.
- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL-REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL-FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of cacklight at vehicle zero "Y" plane. for curve backlight, the angle is to chord of backlight are from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vertical zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H109 STATICLOAD-TIRE RADDIUS-REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point in the front bumper to ground, including bumper guards, if standard equipment.
- H103 FRONT BUMPER TO GROUND-CURB MASS (WT.). Measured in the same manner as H102.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper structural component shall be designated.
- H105 REAR BUMPER TO GROUND-CURB MASS (WT.). Measured in the same manner as H104.
- H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius arc and the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.
- H107 ANGLE OF DEPARTURE. The angle measured between a line tangent the rear tire static loaded radius arc the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- H147 RAMP BREAKOVER ANGLE. The angle measured between tow lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.
- H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Specifications

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Interior Vehicle And Body Dimensions - Key Sheet Dimensions Definitions

Glass Areas

- S1 Windshield area.
S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.
S3 Backlight areas.
S4 Total area. Total of all areas (S1+S2+S3).

Fiducial Mark Dimensions

- Fiducial Mark - Number 1
L54 "X" coordinate.
W21 "Y" coordinate.
H81 "Z" coordinate.
H161 Height "Z" coordinate to ground at curb weight.
H163 Height "Z" coordinate to ground.
Fiducial Mark - Number 2
L55 "X" coordinate.
W22 "Y" coordinate.
H82 "Z" coordinate.
H162 Height "Z" coordinate to ground at curb weight.
H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

- L11 ACCELERATOR WHEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.
L17 DESIGN-H-POINT-FRONT TRAVEL. The dimension measured horizontally between the design H-point -front in the foremost and rearmost seat track positions. (See SAE J1100).
L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100).
L31 SgRP -Front. "X" Coordinated.
L34 MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP -front plus 254 mm (10.0in.) measured with right foot on the underdepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.
L40 BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP -front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
L42 HIP ANGLE-FRONT. The angle measured between torso line and thigh centerline.
L44 KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.
L46 FOOT ANGLE-FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAEJ826.
L53 SgRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to accelerator heel point.
W3 SHOULDER ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP-front at height between the belt line and 254 mm (10.0 in.) above the SgRP-front, excluding the door assist strap and attaching parts.

- W5 HIP ROOM-FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP -front within 25 mm (1.0 in.) below and 76 mm (3.0in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft of the SgRP-front.
W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.
H7 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP-front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.
H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
H30 SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP -front to the accelerator heel point.
H50 UPPER BODY OPENING TO GROUND-FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
H61 EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP-front to the headlining plus 102 mm (4.0 in.).
H67 FLOOR COVERING THICKNESS - UNDEPRESSED - FRONT. The dimension measured vertically from the surface of the underdepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

- L41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.).
L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
L51 MINIMUM EFFECTIVE LEG ROOM -SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254 mm (10.0 in.).
W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "x" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
W6 HIP ROOM-SECOND. Measured in the same manner as W5.
H31 SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
H51 UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP-second.
H63 EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
H73 FLOOR COVERING-DEPRESSED-SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

Specifications

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Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY-Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

Interior Volumes (EPA Classification)

The interior index is listed for each body style except two seaters. The interior Volume index estimates the space in a car. It is based on four measurements - head room, shoulder room, hip room, and leg room - for the front and rear seats, plus trunk capacity.

The Trunk/Cargo index is an estimate of the size of the trunk/cargo spaces. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon/MPV - Third Seat Dimensions

- L85 SgRP COUPLE DISTANCE-THIRD. The dimension measured horizontally from the SgRP-second to the SgRP-third.
- L86 EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankle pivot center to the SgRP-third plus 254 mm (10.0 in.).
- L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE-THIRD. Measured in the same manner as L41.
- L89 HIP ANGLE-THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE-THIRD. Measured in the same manner as L45.
- L91 FOOT ANGLE-THIRD. Measured in the same manner as L47.
- W85 SHOULDER ROOM-THIRD. Measured in the same manner as W4.
- W86 HIP ROOM-THIRD. Measured in the same manner as W5.
- H86 EFFECTIVE HEAD ROOM-THIRD. The dimension, measured angle a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H87 SgRP-THIRD TO HEEL POINT.
- SD1 SEAT FACING DIRECTION-THIRD.

Station Wagon/MPV - Cargo Space Dimensions

- L200 CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undeepressed floor covering to the rearmost point on the undeepressed floor covering on the open tailgate or cargo surface of the rear closure is a conventional door type tailgate at the zero "Y" plane.
- L201 CARGO LENGTH-OPEN-SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undeepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

- L202 CARGO-LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undeepressed floor covering on the rearmost point on the undeepressed floor covering on the closed tailgate or taildoor for station wagons, trunks and mpv's at the zero "Y" plane.
- L203 CARGO LENGTH-CLOSE-SECOND. The dimension measured horizontally from the back of the second seat at the height of the undeepressed floor covering to the rearmost point on the undeepressed floor covering on the closed tailgate or taildoor for station wagons, trunks and mpv's at the zero "Y" plane.
- L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201 CARGO WIDTH-WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhouesings at floor level. For any vehicle not trimmed, measure to the sheet metal.
- W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the area opening at belt height or top of pick up box.
- W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.
- W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.
- H197 FRONT SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undeepressed floor covering.
- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undeepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undeepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAILGATE TO GROUND CURB MASS (WT.). The dimension measured vertically from the top of the undeepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.
- H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

Specifications

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Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions

<p>V2 STATION WAGON Measured in inches: $\frac{W4 \times H201 \times L204}{1728} = ft.^3$ Measured in mm: $\frac{W4 \times H201 \times L204}{10^9} = m^3 (cubicmeter)$</p>	<p>L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the drivers seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.</p>
<p>V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.</p>	<p>L209 CARGO LENGTH AT FLOOR-FRONT. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.</p>
<p>V5 TRUCKS AND MPV'S WITH OPEN AREA. Measured in inches: $\frac{L506 \times W505 \times H503}{1728} = ft.^3$ Measured in mm: $\frac{L506 \times W505 \times H503}{10^9} = m^3 (cubicmeter)$</p>	<p>L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is towed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "X" plane.</p>
<p>V6 TRUCKS AND MPV'S WITH CLOSED AREA. Measured in inches: $\frac{L204 \times W500 \times H505}{1728} = ft.^3$ Measured in mm: $\frac{L204 \times W500 \times H505}{10^9} = m^3 (cubicmeter)$</p>	<p>L211 CARGO LENGTH AT FLOOR-SECOND SEATBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.</p>
<p>V8 HIDDEN LUGGAGE CAPACITY-REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.</p>	<p>H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.</p>
<p>V10 STATION WAGON CARGO VOLUME INDEX. Measured in inches: $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{1728} = ft.^3$ Measured in mm: $\frac{H201 \times L205 \times \frac{W4+W201}{2}}{10^9} = m^3 (cubicmeter)$</p>	<p>H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the second seatback to the undepressed floor covering.</p>
<p>Hatchback - Cargo Space Dimensions All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position. (For electronically adjusted seats, see the manufacturer's specifications for Design "H" point).</p>	<p>V3 HATCHBACK. Measured in inches: $\frac{L208+L209}{2} \times W4 \times H197 = ft.^3$ Measured in mm: $\frac{L208+L209}{2} \times W4 \times H197 = m^3 (cubicmeter)$ <p>V4 HIDDEN LUGGAGE CAPACITY-REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.</p> <p>V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor: Measured in inches: $\frac{L210+L211}{2} \times W4 \times H198 = ft.^3$ Measured in mm: $\frac{L210+L211}{2} \times W4 \times H198 = m^3 (cubicmeter)$</p> </p>

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