MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1991

Manufacturer

Mitsubishi Motors Corporation

Mailing Address

33-8, Shiba 5-chome, Minato-ku,

Tokyo, 108, Japan

Vehicle Line

Mitsubishi Mirage

MIRAGE 3-DOOR

Issued

1990-8

Revised

Direct questions concerning these specifications to the manufacturer listed above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the vehicle manufacturing company to whose products it relates. This suggested specification form was developed by the vehicle manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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.



Motor Vehicle Manufacturers Association of the United States, inc.

Forms Provided by Technical Affairs Division

METRIC (U.S. Customary)

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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.
 - All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
- 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.
- Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

Mitsubishi Mirage Issued _1990~8 Revised (•)

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Mitsubishi Motors Corporation.
Where built (country)	Japan
Authorized U.S. sales marketing representative	Mitsubishi Motor Sales of America. Inc.

Ø

Model Description & Drive (FWD / RWD / AWD / 4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
		C52AMFSEL 2/7	5 (2/3)		31/36
•		C52AMKSEL 2/7	5 (2/3)		28/31
2 DOOR .		C52AMNMEL 2/7	5 (2/3)	35 kg	29/35
HATCH BACK (FWD)		C52AMKMEL 2/7	5 (2/3)	(77 lbs)	28/31
		C52AMNDEL 2/7	5 (2/3)		- 29/35
		C52AMKDEL 2/7	5 (2/3)		28/31
	- · · · · · · · · · · · · · · · · · · ·		<u> </u>		
•					
			•	:	
					1
					j

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

Vehicle Line <u>Mitsubishi Mirage</u>

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METRIC (U.S. Customary)

Power Teams

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

			-		В	С	D
	Engine	Code	4G	15	4G15	-	<u>-</u>
	Displac Liters (i	ement in ³)	1.468	(90)	1.468 (90)	-	-
mzg_	Induction system (FI, Carb, etc.)		F.I.		F.I.	-	<u>-</u>
	Compression ratio		9.2		9.2	_	-
E	SAE Power kW (bhp)		68(92)	at 6000	68(92) at 6000	. _	-
	Net at RPM	Torque N • m (tb. ft.)	126(93)	at 3000	126(93) at 3000	-	-
	Exhaust single, dual		Du	ıal	Dual	-	-
T R	Transmission/ Transaxle		*1 Manual 4-speed	#2 Manual. 5-speed	Automatic · 3-speed	-	:
ANS	Axie Ratio (std. first)		3.454	4.021	3.600	_	-

Series Ava	ilability	Power Teams (A - B - C - D)			
Model	Code	Standard	Optional		
DOOR HATCH BACK	C52AMFSEL	A*1	<u>-</u>		
	C52AMKSEL	В	-		
	C52AMNMEL	A*2			
	C52AMKMEL	В			
	C52AMNDEL	A*2			
	C52AMKDEL	В	-		

Vehicle Line Mitsubishi Mirage

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METRIC (U.S. Customary)

4G15 (1.468 Liters) **Engine Description** МТ **Engine Code ENGINE - GENERAL** Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, soho, doho, ohv, hemi, wedge, pre-camber, etc.) In line, Front, Transverse Mitsubishi Motors Corporation Manufacturer No. of cylinders 75.5 Bore 82 Stroke 82 Bore spacing (C / L to C / L) Cast iron, 27.1 (59.7)Cylinder block material & mass kg (lbs.) (machined) 201 Cylinder block deck height 362 Cylinder block length Deck clearance (minimum) (above or below block) 0 Aluminum alloy, 6.5 14.3 Cylinder head material & mass kg (lbs.) 31.0 Cyfinder head volume cm3 (inches3)

C) # 100 100 100 100 100 100 1		
Cylinder liner ma	terial	N.A.
Head gasket thic (compressed)	kness	1.25
Minimum combustion chamber total volume cm³ (inches³)		43.7
Cyl. no. system	L. Bank	N.A.
(front to rear)*	R. Bank	N. A.
Firing order		1-3-4-2
Intake manifold r	material & mass kg (lbs.)**	Aluminum alloy, 4.2 (9.3)
Exhaust manifold	d material & mass kg (lbs.)**	Cast iron, 5.9 (13.0)
Knock sensor (ye	es / no)	No No
Fuel required uni	leaded, diesel, etc.	Unleaded
Fuel antiknock index (R + M) + 2		No less than 87
	Quantity	4
Engine	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.	Elastomeric
mounts		

110

Engine - Pistons

Total dressed engine mass (wt) dry***

	
Material & mass, g (weight, oz.) - piston only	Aluminum alloy, 242 (9)

Engine - Camshaft

Location		Cylinder Head	
Material & mass kg (weight, ibs.)		Cast iron, 2.83 (6.25)	
Drive Auto	Chain / belt	Belt	
Drive type	Width / pitch	22.0/9.525	(mm)

Crossmember

105

Added isolation (sub-frame, crossmember, etc.)

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

[&]quot; Finished state.

^{***} Dressed engine mass (weight) includes the following:

Mitsubishi Mirage Vehicle Line **MVMA Specifications** 1990-8 Issued _ Revised (*) Model Year **METRIC (U.S. Customary)** Engine Description 4G15 (1.468 Liters) **Engine Code** Engine - Valve System N.A. Hydrautic litters (std., opt., n.a.) 8/4 Number intake / exhaust Valves 26,31/33 Head O.D. intake / exhaust **Engine - Connecting Rods** 0.40 (0.88) Forged iron. Material & mass kg., (weight, lbs.)* 131 Length (axes C/L to C/L) Engine - Crankshaft 10.0 (22.05) Cast iron, Material & mass kg., (weight, lbs.)* End thrust taken by bearing (no.) 19mm, 5 Length & number of main bearings Synthetic rubber, One piece Seal (material, one, two piece design, etc.) Synthetic rubber, One piece Rear Engine - Lubrication System (42.6) at 2000 300 Normal oil pressure kPa (psi) at engine rpm Stationary Type oil intake (floating, stationary) Full flow Oil filter system (full flow, part, other) 3.0 (2.6) Capacity of c/case, less filter-refit-L (qt.) Engine - Diesel Information Diesel engine manufacturer Glow plug, current drain at 0°F Type Injector Opening pressure kPa (psi) Pre-chamber design Manufacturer Fuel injection pump 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 N.A. Turbo charger - manufacturer

Intercooler

Super charger - manufacturer

N.A.

N.A.

^{*} Finished State

Vehicle Line <u>Mitsubishi Mirage</u>

Model Year <u>1991</u> Issued <u>1990-8</u> Revised (●) _____

METRIC (U.S. Customary)

Engine Description		4G15 (1.468 Liters)				
Engine Cod		MT AT				
Engine -	Cooling System					
Coolant reco	very system (std., opt., n.a.)	Std.				
Coolant fill to	cation (rad., bottle)	Bottle .				
Radiator cap	relief valve pressure [kPa (psi)]	88 (12.8)				
Circulation	Type (choke, bypass)	Choke pellet				
thermostat	Starts to open at °C (°F)	88 (190.4)				
	Type (centrifugal, other)	Centrifugal				
	GPM 1000 pump rpm	-				
	Number of pumps .	1				
Water	Drive (V-belt, other)	V ribbed belt				
pump	Bearing type	Ball, integral shaft permanently sealed				
	Impeller material	Cold-rolled carbon steel sheet				
	Housing material	Aluminum die casting				
By-pass reci	rculation [type (inter,, ext.)]	External				
Cooling	With heater-L(qt.)	5.0 (4.4)				
system capacity	With air condL(qt.)	5.0 (4.4)				
Capacity	Opt. equipment [specify-L(qt.)]	N.A.				
Water jacket	s full length of cyl. (yes, no)	Yes ·				
Water all arc	und cylinder (yes, no)	No				
Water jacket	s open at head face (yes, no)	No				
	Std., A/C, HD	Std. and A/C				
	Type (cross-flow, etc.)	Down-flow				
Radiator	Construction (fin & tube mechanical, braze, etc.)	Tube and corrugated fin brazed				
core	Materiai, mass [kg (wgt, lbs.)]	Copper & Brass 2.6 (5.7) Copper & Brass 5.2 (11.	<u>5) </u>			
	Width	668	<u>mm)</u>			
	Height	375(<u>mm)</u>			
	Thickness		<u>mm)</u>			
	Fins per inch	15 20	<u> </u>			
Radiator end	tank material	Plastic				
	Std., elec., opt.	Electric				
	Number of blades & type (flex, solid, material)	4				
	Diameter & projected width	300	mm)			
	Ratio (fan to crankshaft rev.)	N.A				
Fan	Fan cutout type	N.A.				
	Drive type (direct, remote)	N.A				
	RPM at idle (elec.)	1800				
	Motor rating (wattage) (elec.)	45				
	Motor switch (type & location) (elec.)	Thermo switch, RAD				
	Switch point (temp., pressure) (elec.)	82°C-85°C				
	Fan shroud (material)	Plastic				

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Mitsubishi Mirage 1991 Issued <u>1990-8</u> Revised (*) Model Year _

METRIC (U.S. Customary)

4G15 (1.468 Liters)

Engine Description Engine Code		4G15 (1.400 Liters)		
Engine – I	Fuel System (See supplemental page	for detailes of Fuel Injection, Supercharger, Turbocharger, etc. if used)		
nduction type: njection system	carburetor, fuel	Fuel injection		
Manufacturer		Mitsubishi Electric Co., Ltd.		
Carburetor no.	of barrels	•		
die A/F mix.		14.7		
	Point of injection (no.)	Air Intake port (Four)		
Fuel	Constant, pulse, flow	5.76 mm ² /2.5m sec		
njection	Control (electronic, mech.)	Electronic		
	System pressure kPa (psi)	329		
	Manual	750		
die spdrpm spec. neutral				
or drive and propane if	Automatic	N position 750		
used)		D position 700		
Intake manifold or water thermo	heat control (exhaust ostatic or fixed)	N.A.		
Air cleaner type		Dry, non-woven cloth		
Fuel filter (type	Accation)	Paper filter, Engine room		
	Type (elec. or mech.)	Electric		
Fuel	Location (eng., tank)	Tank		
pump	Pressure range kPa (psi)	190–340 (28–50)		
	Flow rate at regulated pressure L (gal)/hr @ kPa (psi)	90 (23.8), 250 (36)		
Fuel Tank				
Capacity refill t	(gallogs)	50 (132)		
Location (desc		Underneath rear seat pan		
Attachment		Weld bolt & nut		
	ss kg (weight lbs.)	Steel, 10.0 (22.0)		
	Location & material	Right, rear quarter panel. Steel		
Filler pipe	Connection to tank	Rubber hose		
Fuel line (mate	· · · · · · · · · · · · · · · · · · ·	Steel		
Fuel hose (ma		Rubber		
Return line (m		Stee1		
Vapor fine (ma		Stee		
	Opt., n.a.	N.A.		
Extended	Capacity L (gallons)	N.A.		
range tank	Location & material	N.A		
~~	Attachment	N.A		
	Opt., n.a.	N.A.		
	Capacity L (gaillons)	N.A		
Auxiliary	Location & material	N. A		
tank	Attachment	N. A		
	Selector switch or valve	N. A		
		N.A.		
	Separate fill	II (F)		

Vehicle Line Mitsubishi Mirage

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METRIC	(U.S. Cu	stomary	<i>(</i>)	
Engine Des Engine Cod			[4G15 (1.468 Liters)
Vehicle E	mission (Control		
	Type (air inj	ection, engil is, other)	ne	Three-way catalyst with feedback control. Exhaust gas recirculation
		Pump or p	ulse	N.A.
		Driven by		N.A
	Air Injection	Air distribution (head, manifold, etc.)		N.A.
		Point of er	ntry	N.A
Exhaust	Exhaust	Type (con open orific	trolled flow, e, other)	Controlled flow
Emission	Gas Recircula-	Exhaust s	ource	Fuhanak anak Na 2
Control	tion	Point of exhaust injection (spacer, carburetor, manifold, other)		Exhaust port No. 2 Intake manifold
		Туре		Three-way
•		Number o	1	
		Location(s)		Under floor
	Catalytic	Volume [L (in³)]		0.8 (48.8) + 0.6 (36.6)
	Converter	Substrate type		Monolith
		Noble me	tal type	
		Noble metal concentration (g/cm ³)		<u>-</u>
		tates to atmo ystem, other		Induction system
Crankcase	Energy source (manifold vacuum, carburetor, other)			Intake manifold vacuum
Emission Control	Discharges manifold, o			To intake manifold
	Air inlet (br	eather cap.	other)	Air intake hose
Evapora-	Vapor vent		Fuel tank	Canister
tive Emission	(crankcase canister, of		Carburetor	-
Control	Vapor store	age provisio	n	Canister
Electronic	Closed loo	p (yes/no)		Yes
system	Open loop	(yes-no)		Yes
Engine -	Exhaust	System		
Type (single dual, other)	, single with c	ross-over,		Single with cross over
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]			ht thru, kg (weight lbs)]	One (Reverse flow), Stainless steel plate, 5.45 (12.02)
Resonator n	no. & type			None
Eubarret	Branch o.d	l., wall thickr	vess	42.7 x 1.2
Exhaust pipe	Main o.d.,	wall thickness	is	42.7 x 1.2
		Mass [kg (w	eight (bs)]	Stainless steel tube, 1.78 (3.92)
Inter- mediate	o.d. & wall			42.7 x 1.5
pipe	+	Mass [kg (w	reight (bs)]	Stainless steel tube, 3.89 (8.58)
Tail pipe	o.d. & wall		ninhi hati	42.7 x 1.2
	Material & Mass (kg (weight lbs))			Stainless steel tube, 0.65 (1.43)

			Vehicle Line	Mitsubishi k	Mirage	
MVMA S	Speci	fications	Model Year	1991 Issued		
METRIC (L	J.S. Cus	tomary)			· · · · · · · · · · · · · · · · · · ·	
Engine Descrip Engine Code	ption	į		4G15 (1.468	3 Liters)	
Transmissi	ons/Tran	saxle (Std., Op	pt., N.A.)			
Manual 3-speed (manufacturer/country)		er/country)		N.A		
Manual 4-speed	(manufactur	er/country)		<u>Mitsubishi M</u>	otors Corp./Japan	
Manual 5-speed	(manufactur	er/country)	Std.,	Mitsubishi Mo	otors Corp./Japan	
Automatic (manu	ufacturer/cou	intry)	Std.,		otors Corp./Japan	
Automatic overd	rive (manufa	cturer/country)		N. A	\ <u>.</u>	
Manual Tra	nsmissio	on/Transaxle	4MT		5MT	
Number of forwa	ard speeds		4		5	
	1st		3.363		3,363	
Ĭ	2nd		1.947		1.947	
	3rd		1.285		1.285	
Gear ratios	4th		0.939	<u> </u>	0.939	
	5th				0.777	
	Reverse		3,083		3.083 1. 2. 3. 4. 5	
Synchronous me	eshing (spec	ify gears)	1, 2, 3,	<u>4</u> F10		
Shift lever locati			,	Tio Aluminum alloy		
Trans. case mat			1 7	Cluminum acro	1.8	
Lubricant	Capacity L Type recor			se gear oil d		<u> </u>
Clutch (Ma	nual Tra	nsmission)	4MT		5MT	
			<u> </u>	Aisin Seiki		
Clutch manufac Clutch type (dry		multiple disc)		Dry sing		
Linkage (hydrau			Cable		Hydraulic	
Max. pedal effor		Decressed		118	(27)	
spring load) N (lbs)	Released		78 ((18)	
Assist (spring, p	cower/percer	nt, nominal)		N	0	
Type pressure (Diaph		
Total spring load	d (nominal) l	N (lbs)		3481_		
	Facing mit	gr. & material coding			cal Co. Ltd.	
	Facing ma	terial & construction			ven	
	Rivets per	facing			6	(mm)
	Outside x	inside dia. (nominal)			x 130	(11411)
Chart	Total eff. a	res cm²(ln.²)	<u> </u>	363(56.3)	
Clutch facing	Thickness side/fly wf	(pressure plate real side)		3.5	/3.5	(mm)
	Rivet dept side/fly wh	th (pressure plate neel side)			/1.6	(mm)
	Engageme	ent cushion method	<u> </u>	Flat-wav	e springs	
Release bearin	g type å me	thod lub.	Ball		manently lubricated	
Torsional damping method, springs, hysteresis		springs, hysteresis		<u> </u>	<u>rubbers</u>	

Torsional damping method, springs, hysteresis

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

Vehicle Line Mitsubishi Mirage

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METRIC (U.S. Customary)

Engine Description Engine Code 4G15 (1.468 Liters)

Frade Name		Mitsubishi Motors Corp. F3A21
Type and spec	sial features (describe)	Lock up torque converter with automatically operated planetary gear transmission. F3A21
	Location (column, floor, other)	Lever: Console mounted
Gear selector	Ltr./No. designation (e.g. PRND21)	P, R, N, D, 2, L/6
	Shift interlock (yes, no, describe)	Yes. Shift lock with Key inter lock
	1st ·	2.846
ear	2nd	1.581
itios	3rd	1.000
	4th	; -
	Reverse	2.176
Aax. upshift s	peed - drive range km/h (mph)	1-2 56 (35), 2-3 103 (64)
Max, kickdown speed - drive range km/h (mph)		2-1 48 (30), 3-2 97 (61)
lin. overdrive	speed km/h (mph)	-
	Number of elements	Three -
orque	Max. ratio at stall	2.17 : 1
onverter	Type of cooling (air, liquid)	Liquid
	Nominal diameter	240
	Capacity factor "K"	245
	Capacity refi# L (pt.)	6.1 (12.9)
ubricant	Type recommended	DIA ATE SP or MITSUBISHI PLUS ATE automatic trans, fluid
Dil cooler (std	opt., N.A., internal, external, air, liquid)	Std., External liquid
ransmission	mass kg (lbs) & case material**	Aluminum allov. 11.4 (25.1)
All Wheel	/ 4 Wheel Drive	
Description & type (part-time, full-time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		- .
	Manufacturer and model	-
Transfer case	Type and location	-
Low-range ge	ar ratio	-
System disco	nnect (describe)	-
Center	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	_
differential	Torque split (% front/rear)	-

^{*} Input speed + \(\text{lorque} \) .

^{**} Dry weight including torque converter. If other, specify.

Vehicle Line	Mitsubi	shi Mi	rage		
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METRIC	(U.S. Cus	tomary)	_		 			
Engine Description Engine Code				4G15 (1.468 Liters)				
Axle Ratio	and Toot	h Combinatio	ons (See Pov	4MT wer Teams' for axle ratio	5MT usage)	AT		
		verall top gear rati	· · · /	3,150	3,666	3.200		
		hain, gear, etc.)		1.096	1.096	1.125		
	Ring gear o	o.d.		170.3	176,7	171.6		
ront trive	No. of	Pinion		20	18 ·	20		
ınit 	teeth	Ring gear		63	66	64		
Front Driv	re Unit							
Description (in	tegral to trans.	, etc.)			Separable	•		
imited slip dif	ferential (type)				-			
		Туре						
rive pinion	<u>~</u>	Offset			_			
No. of differen	tial pinions				2			
		Adjustment (shim,	etc.)		Shim			
Pinion / differe		Bearing adjustmen	nt		Shim_			
Oriving wheel	bearing (type)				Ball beari			
Lubricant	Capacity L	(pl.)			Refer to transmiss			
Joricant	Type recon	nmended			Refer to transmis			
				· · · · · · · · · · · · · · · · · · ·	 	· •		
A 1 10 h 6	. F	. Wheel Drive	_					
Axie Snai	ts - Fron	t Wheel Drive	1	·-··	Mitaubichi Motons	Comp. Two		
Manufacturer	and number us	sed		Mitsubishi Motors Corp., Two Straight bar				
Type (straight	t, solid bar, tub	ular, etc.)	Left	Straight bar				
	.,		Right Left		24 x 695			
	Manual tra	Manual transaxle						
Outer				24 x 368 24 x 695				
diam. x length* x	Automatic	transaxle	Left Right		24 x 095			
wali Ihickness					24 X 300	<u>, </u>		
	Optional tr	ansaxle	Left					
			Right	-				
	Туре		_		None			
Siip yoke	Number of	lesth		-				
	Spline o.d.	•		- •				
			lease		Mitsubishi Moto	rs Corp.		
	Make and	mig. no.	Inner		Mitsubishi Moto			
	 _		Outer		Two x Tw			
	Number u	5 0 0	lager					
Universal	Type, size	ı. plunce	Inner	C.V. joint C.V. joint				
joints	·		Outer		<u> </u>			
	Attach (u-	boit, clamp, etc)						
	Bearing	Type (plain, anti-friction)						
		Lubrication (litting, prepack)				· .		
Drive taken t	through (lorque ngs)	lube.			Lower arm &	Strut		
Torque taker arms or sprir	n through (lorg	ue tube,			Lower arm & Strut			
	-		1					

nt. Page 10 (Front Wheel Drive) * Centerline to centerline of universal joints, or to centerline of attachment.

Mitsubishi Mirage Vehicle Line _ MVMA Specifications 1990-8 Revised (*) Model Year. **METRIC (U.S. Customary)** Body Type And/Or C52A **Engine Displacement** Suspension - General Including Electronic Controls N.A. Standard/optional/not avail. N.A. Manual/automatic control N.A. Type (air/hydraulic) Car Primary/assist spring N.A. leveling N.A. Rear only/4 wheel leveling N.A. Single/dual rate spring N.A. Single/dual ride heights N.A. Provision for jacking Ñ. A. Standard/option/not avail N.A. Manual/automatic control N.A. Number of damping rates Shock Type of actuation (manual/ N.A. absorber ctric motor/air, etc.) damping contols N.A. Lateral acceleration N.A. Deceleration N.A. Acceleration Road surface N.A. Strut type Rear: Telescopic type Front: Турв Shock Kayaba Industry Co., absorber Make (front & ø 32 Rear: φ25 mm Front: rear) Piston diameter ϕ 12.5 φ 22 Rear: mm Front: Rod diameter Suspension - Front Type and description Independent strut type 110 mm Full jounce Travel* 60 mm Full rebound Spring steel Type (coil, leaf, other) & material insulators (type & material) 394 or 407 Spring Size (coil design height & i.d.) 142.7 or 147.4 16.08 (92 Spring rate [N/mm (lb./in.)] 14.82 (85 Rate at wheel [N/mm (lb./in.)] Link Type (link, linkless, frameless) Stabilizer S45C or S48C. ø 16 (mm Material & bar diameter Suspension - Rear Type and description 3 Link torsionaxle 130 mm Full jounce Travale 60 (mm) Full rebound Spring steel Type (coil, leaf, other) & material 349 Size (length x width, coil design height & i.d.) 85. Spring 16.17 (92) Spring rate [N/mm (lb./in.)] 15.68 (90) Rate at wheel [N/mm (lb./in.)] Rubber pad Insulators (type & material) No. of leaves leaf Shackle (comp. or tens.) Type (link, linkless, trameless) Stabilizer Material & bar diameter

Track bar (type)

^{*} Define load condition:

Vehicle Line	Mitsubishi Mirage	
Model Year	1991 Issued 1990-8 Revised (*)	

METRIC (U.S. Customary)

ME INIO (J.J. UU.	J.O. J.			
Body Type An Engine Disple				C52A	
Brakes – S	Service				
Description					
Manufacturer au brake type (std.		Front (disc or drum		Sumitomo Electric Industry Co., Ltd., Disc AKEBONO Brake Industry Co., Ltd., Drum	
		Rear (disc or drum)		Proportioning Valve	
		lay, metering, other)		Std.	
Power brake (st				Integral	
Booster type (re		al, vac., hyd., etc.)		Inline	
•		line, pump, etc.)		-	
Vacuum		(volume in.3) e (elec, gear driven, belt	driven)	N.A	
		al speed range	Uliveri)	N.A.	
Traction control		ne intervention (electror	ic mech)	N.A	
		r (std., opt., n.a.)			
	Manufacti			-	
Anti-lock device	Type (electronic, mech.) Number sensors or circuits			-	
		nti-lock hydraulic circuit	3	res	
	Integral or add-on system			—	
	Yaw control (yes, no)			•	
	Hydraulic power source (elec., vac. mfr., pwr. strg.)				
Effective area (cm²(in.²)]"	 		F: 160 (24.8) / R: 234(36.3)	
Gross Lining ar	ea (cm²(in.²))**(F/R)		F: 165 (25.6) / R: 234(36.3)	
Swept area [crr	r²(in.²)]***(F/	R)		F: 1048(162.4) / R: 396(61.4)	
	Outerworking diameter F/R		F/R	F: 232 / R: -	
Rotor	Inner working diameter		F/R	F: 143 / R: -	
	Thickness		F/R	F: 13 / R: -	
	Material &	type (vented/solid)	F/R	F: Cast iron (Solid) / R: -	
Drum	Diameter	& width	F/R	F: - /R: 180 & 39.5	
	Type and	material	F/R	F: - / R: Cast iron	
Wheel cylinder	bore			F: 51.1 / R: 19.05	
Master cylinder	Be	ore/stroke	F/R	Bore 20,64 / Stroke (Pri : 13. Sec : 15)	
Pedal arc ratio				4,5	
Line pressure a	t 445 N(100	ib.) pedal load [kPa (p		11033 (1608)	
Lining Elearance	*		F/R	F:No major adjustment required. R:0.15-0.35(Self adjusting)	
	1	Bonded or riveted (r	vets/seg.)	Bonded	
		Rivet size		C 11 Plantaio Industria Co. 14d	
		Manufacturer		Sumitomo Electric Industry Co., Ltd. SUMITOMO M9207H EE	
	Front wheel	Lining code****		Molded Molded	
	-	Material Primary or		96 x 41.7 x 10	
		714.6.7 0.		96 x 41.7 x 10	
	į		or in-board	5.0	
Brake lining		Shoe thickness (no Bonded or riveted (r		Bonded	
au g	1		ivers/seg./	AKEBONO Brake Industry Co., Ltd.	
		Manufacturer Lining code*****		AKP 330 FF	
	Rear	Material		Molded	
			out-board	167 x 35 x 4.3	
		V 12. y O.	or in-board	167 x 35 x 4.3	
		Shoe thickness (no		1.6	
	<u> </u>	Orive uncoress (IN		l , iv	

^{*}Excludes 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.

Vehicle Line <u>Mitsubishi Mirage</u>
Model Year <u>1991</u> Issued <u>1990-8</u> Revised (•)

METRIC	(U.S. Custo	mary)					
Body Type /	And/Or	ſ				C	52A
Engine Displacement		MFSEL,	MKSEL,	MNMEL,	MKMEL	MNDEL, MKDEL	
Tires And	i Wheels (Sta	ndard)					
	Size (load range,	ply)				P155/8	OR13. B
	Type (bias, radial,	steel, nylon, etc.)				Rac	dial
Tires	Inflation pres- sure (cold) for	Front [kPa (psi)]				200	(29)
	recommended max. vehicle load	Rear (kPa (psi))				200	(29)
	Rev./mile-at 70 l	m/h (45 mph)		 		9	15
	Type & material					Disc,	Steel
	Rim (size & flang	e type)		13 x	4 1/2J		13 x 5J
Mheels	Wheel offset						46
		Type (bolt or stud)				St	tud
	Attachment	Circle diameter					4.3
		Number & size			Fou		1.5 (Metric)
	Tire and wheel	,			ŀ		/70D14 ssure tire
Spare ·	Storage position (describe)	& location	On cargo floor				
Tires And	Wheels (Op	tional)					-
		Ì					
Fire size (load	-	40.)	70.				
	idial, steel, nylon, e	*1					Dica Aluminum
Wheel (type &							Disc, Aluminum 13 x 5J, 46
Tire size (load	nge type and offset	,					
	dial, steel, nylon, e	te)					_
Wheel (type &		,					-
	nge type and offset	1					-
Tire size (load					-	•	-
	idial, steel, nylon, e	(c.)					
Wheel (type &		,					
	nge type and offset)					_
lire size (loac							=
Type (bias, re	adial, steel, nylon, e	itc.)					-
Wheel (type &	material)						-
Rim (size, flai	nge type and offset)					-
Spare tire and	d wheel size						
(if configuration is different than road tire or wheet, describe optional spare tire and/or wheel location & storage position)							-
Brakes –	Parking						*1: C52AMKDEL 2
Type of contr					1_H	andle, l	Hand-operated
Location of co	ontrol				8	etween 1	front seats
Operates on						Rear	wheels
	Type (internal or	external)					
f separate	Drum diameter						-
from service brakes	Lining size (lengt width x thickness						-
			·				

Mitsubishi Mirage Vehicle Line <u>1990-8</u> Issued _ Revised (*) Model Year

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement

C52A MFSEL, MKSEL MKDEL MNDEL, MNMEL. MKMEL

Manual (std., c	oot n.a.)				Std.		
Power (std., o				-	Opt.		
 		Туре		Ţ	ilt & Telescopic		
Adjustable steering whee	l/column	Manufac	turer	Mitsubis	hi Motors Corporation.		
(tilt, telescope	, other)	(std., op	t., n.a.)	N.A.	Opt		
Wheel diamet	nr**	Manual		370	370,376(Opt.)		
W9) SAE J11		Power		370	370,376(Opt.)		
	Outside	Wall to v	vall (i. & r.)		10.0		
Turning	front	Curb to	curb (i. & r.)		9.2		
diameter m (ft.)	Inside	Wall to v	vall (l. & r.)				
()	rear	Curb to	curb (l. & r.)				
Scrub Radius					-2		
	T	Туре			Rack & Pinion		
	Gear	Manufac	cturer	Kovo Seiko Co., Ltd.			
Manual	Gear	Ratios	Gear	ω			
		nailos	Overall		22		
	No. whee	i turns (st	op to stop)	4.28			
	Type (co.	axial, elec	., hyd., etc.)	Coaxial			
	Manufact	turer		<u> </u>	yo Seiko Co. Ltd.		
Danne		Туре			Rack & Pinion		
Power	Gear	Ratios	Gear				
		nanos	Overall		16		
	Pump (di	rive)		V -belt			
	No. whee	tums (st	op to stop)	3.15			
	Туре			Trailing equal length tie rods			
Linkage		Location (front or rear of wheels, other)		Rear			
	Tie rods	(one or tw	0)	Two			
	Inclinatio	n at camb	er (deg.)	12°30'			
.		Upper		Ball bearing			
Steering axis	Bearings	Lower			Ball joint		
	(type)	Thrust			N.A.		
Steering spin	jie/knuckie 8	ioint Nos			Ball		

^{*} The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground. ** See Page 22.

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement

Vehicle Line	Mitsubishi Mirage	
Model Year	1991 Issued 1990-8 Revised (*)	

			C5	2A			
MFSEL.	MKSEL	MNMEL.	MKMEL		MNDEL.	MKDEL	

Wheel Alignment

TALIBOT VIII	1	10	2°20'
	Service	Caster (deg.)	
	checking	Camber (deg.)	0,0
		Toe-in outside track-mm (in.)	$0 \pm 3 \ (0 \pm 0.118)$
Front		Caster (deg.)	Set as above
vheel at	Service reset*	Camber (deg.)	Set as above
Curb mass { (wt.)	10361	Toe-in - mm (in.)	Set as above
	Periodic M.V. in- spection	Caster (deg.)	
		Camber (deg.)	-
		Toe-in - mm (in.)	
	Service	Camber (deg.)	$-40^{\circ} \pm 30^{\circ}$
Rear	checking	Toe-in outside track-mm (in.)	$2 \pm 3 (0.079 \pm 0.118)$
wheel at	Service	Camber (deg.)	Set as above
(wt)	reset*	Toe-in - mm (in.)	Set as above
	Periodic	Camber (deg.)	
	M.V. in- spection	Toe-in - mm (in.)	-

^{*} Indicates pre-set, adjustable, trend set or other.

Speed-	Type (analog, digital, std., opt.)			Analog	(Std.)
ometer Specu-	Trip odometer (std., opt., n.a.)				td.
	Standard, optiona	I, not available		N	Α
:	Туре	Secondary, opto-electronic		N	.A.
	Speedometer Digital		N.A.		
Head-up display	Status / warning Turn signals, high beam, low fuel, check gauges		N.A.		
	Brightness Day / night mode, control adjustable		. N.A.		
EGR maintena	nce indicator			N	.A.
Charge	Туре				je relay
indicator	Warning device (I	ight, audible)			ight
Temperature	Туре		Cross coil		
indicator	Warning device (ight, audible)	Driving pointer (N.A.)		
Oil pressure	Туре		Pressure switch		
indicator	Warning device (light, audible)		Light		
Fuel	Туре		Cross coil		
Indicator	Warning device (I	ight, audible)			inter & Light
	Type (standard)			<u> </u>	two speed
Wind- shield	Type (optional)		N.		with intermittent
wiper	Blade length		500/425		
	Swept area cm²(in.²)		6340 (983)		
Wind-	Type (standard)		Electric		
shield washer	Type (optional)		N.A.		
	Fluid level indicat			N	.A.
Rear window w	iper, wiper/washer i	(std., opt., n.a.)			Opt.
Horn	Туре		80 diameter		
	Number used		Or	ne	Two
Other			Brake sys	stem and park	ing brake warning light,
•			Fasten be	lts warning l	ight.
		I		-	-

Vehicle Line <u>Mitsubishi Mirage</u>

Model Year <u>1991</u> Issued <u>1990-8</u> Revised (•)

Engine Description Engine Code		4G15 (1.468 Liters) MT AT			
•					
Electrica	I – Supply System	Yuasa Battery Co., Ltd., Japan Storage Battery Co., Ltd.,			
	Manufacturer	Matsushita Battery Ind. Co., Ltd. or Shin-Kobe Electric Machinery Co., Ltd.			
	Model, std., (opt.)	55D23R			
	Voltage	12			
Battery	Amps at 0°F cold crank	356			
	Minutes-reserve capacity	99			
	Amp/hrs 20 hr. rate	60			
	Location	Front, right side of engine compartment Mitsubishi Electric Corp.			
	Manufacturer	75A			
	Rating (idle/max. rpm)				
Alternator	Ratio (alt. crank/rev.)	2.25			
	Output at idle (rpm, park)	N' A			
	Optional (type & rating)	N.A: Voltage control			
Regulator	Туре	Voicage control			
Electrica	I – Starting System				
	Manufacturer	Mitsubishi Electric Corp.			
Motor	Current drain *F				
	Power rating [kw (hp)]	0.7 (0.9) 0.9 (1.2)			
	Engagement type	Solenoid			
Motor drive	Pinion engages trom (tront, rear)	Front			
Electrica	i - Ignition System				
	Electronic (std., opt., n.a.)	Std.			
Type	Other (specify)	•			
	Manufacturer	-			
	Model				
Coil	Current Engine stopped -	A -			
	Engine idling A	-			
	Manufacturer	NGK Spark Plug Co., Ltd., Champion Spark Plug Co., Ltd. or Nippon Denso			
	Model	BPR6ES-11, W20EPR-11, RN9YC4			
Cand	Thread (mm)	14			
Spark plug	Tightening torque (N-m (lb, ft))	20 to 30 (15 to 22)			
	Gap	1.0 to 1.1 (mm)			
	Number per cylinder				
	Manufacturer	Mitsubishi Electric Corp.			
Distributor	Model	T6T57171 -			
Electrics	i - Suppression				
Locations &	type				

Mitsubishi Mirage Vehicle Models **MVMA** Specifications 1991 <u> 1990–8</u> Model Year_ Issued Revised (*) **METRIC (U.S. Customary) Body Type** C52A **Body** Structure Monocock body Impact absorbing system Fascia (polyurethane) Bumper system Front: Energy absorber (polypropylene-foam), front - rear Rear : Shock absorber Reinforcement (Steel) Cathodic ED paint Extended use of galvanized steel Wax injection Stone chipping resistance coating Anti-corrosion treatment **Body - Miscellaneous Information** Heat setting acrylic enamel Type of finish (lacquer, enamel, other) (kg) Steel, 13.3 Material & mass Rear Hinge location (front, rear) Hood Type (counterbalance, prop) Interna Release control (internal, external) (kg) Material & mass Trunk Type (counterbalance, other) Internal release control (elec., mech., n.a.) Steel, 15.1 (Include Glass & Others) kg Material & mass Hatch-Gas spring Type (counterbalance, other) back lid Mech Internal release control (elec., mech., n.a.) Material & mass Type (drop, lift, door) Tailgate Internal release control (elec., mech., n.a.) Front Vent window control (crank, friction, pivot, power) Cable Front Window regulator type (cable, tape, flex, drive, etc.) Rear Bucket, Spring Front Seat cushion type (e.g., 60/40, bucket, bench, wire, foam etc.) Bench, Foam Rear

Bucket, Spring

Foam

50/50.

Seat back type (e.g., 60/40, bucket, bench, wire, foam etc.)

3rd seat

3rd seat

Front

Rear

MVMA Specifications Form METRIC (U.S. Customary)

Vehicle Line Mitsubishi Mirage

Model Year 1991 Issued 1990-8 Revised (*)

Body Type		C52A					
Restraint	System						
Seating Posit	ion			Left	Center	Right	
Type & description (lap & shoulder belt, lap belt, etc.) Standard / optional			First seat	-	-	<u>.</u>	
		shoulder belt,		3 point seat belt with ELR	2 point seat belt with manual adjusting device	3 point seat belt with ELR	
			Third seat	-	•••	_	
Type &		First seat	Motorized 2 point belt with ELR, Knee bolster & manual lap belt with ELR		Motorized 2 point belt with ELR, Knee bolster & manual lap belt with ELR/ALR		
Passive	description (air bag, motorized - 2-point belt, fixed belt knee bolster, manual lap belt)		Second seat	-	-	-	
	Standard / optional	;	Third seat	-	<u>-</u>	-	
Glass		SAE Ref. No.					
Windshield g surface area	lass exposed [cm²(in.²)]	S1	9740 (1510)				
Side glass er area (cm²(in.	(posed surface *)] - total 2-sides	S2	14564 (1129)				
Backlight gla	iss exposed [cm²(in.²)]	S3	5200 (806)				
Total glass e area [cm²(in.	exposed surface	S4	29504 (4573)				
Windshield	glass (type)		Curved-laminated plate				
Side glass (f)	ype)		Curved-tempered plate				
Backlight gla	ss (type)		Curved-tempered plate				
Headlam	ps.						
Description - halogen, rep	sealed beam, laceable bulb, etc.		Halogen, Replaceable bulb				
Shape			Proper Type				
Lo-beam type (2A1, 2B1, 2C1, etc.		#9006					
Quantity		2					
Hi-beam type 2C1, etc.)	e (1A1, 2A1, 1C1,		#9005				
Quantity			i		2		
Frame			T				
Type and de unitized fram	scription (separate fram ne, partially-unitized fram	e, ne)	· ·				

METRIC (U.S. Customary)

Body Type

Vehicle Line	Mitsubishi	Mirage		
Model Year _	1991 Iss	sued <u>1990-8</u>	Revised (•)	

			52A		
MFSEL	MKSEL	MNMEL	MKMEL	MNDEL	MKDEL

Air conditionis auto, temp co		Opt. (Manual temp control)		
Clock (digital	, analog)	N.A. * Opt. (Digital)		
Compass / th		N, A		
Console (floo	r, overhead)	Floor console		
Defroster, elec. backlight		Std.		
	Diagnostic monitor (integrated, Individual)	Integrated		
Instrument cluster (list instruments)		N.A.		
	Keyless entry	N.A.		
Electronic	Tripminder (avg. spd., fuel)	N.A.		
•	Voice alert (list items) N.A.			
	Other	N.A.		
Fuel door loc	k (remote, key, electric)	Remote & Key -		
	Auto head on / off delay, dimming	N.A.		
	Cornering	N.A.		
	Courtesy (map, reading)	Ñ.A.		
	Door lock, ignition	N.A.		
	Engine compartment	N.A		
Lamos	Fog	N.A		
	Glove compartment	N. A		
	Trunk	N.A.		
	Illuminated entry system (list tamps, activation)	N.A.		
	Other	N.A.		
	Day / night (auto. man.)	Std. (Man.)		
	L.H. (remote, power, heated)	Std. (Man.) Opt. (Remote) Std. (Remote) Opt. (Power)		
Mirrors	R.H. (convex, remote, power, heated)	N.A. Opt. (Remote) Std. (Remote) Opt. (Power)		
	Visor vanity (RH / LH, Illuminated)	N, A		
Navigation s	ystem (describe)	N.A		
Darking hard	a suda releasa funciona Sahiti	N.A.		
ranung orak	e-auto release (warning light)	111.70		

^{* {} MNMEL2. MKMEL2...Opt.(Digital) MNMEL7. MKMEL7...N.A.

METRIC (U.S. Customary)

Vehicle Line	Mitsubishi			
Model Year	1991 _{Iss}	ued 1990-8	Revised (*)	

١		-C52A	
ļ	MFSEL, MKSEL	MNMEL, MKMEL.	MNDEL, MKDEL

 	Deck lid (r	elease, pull down)		N.A		
	Door locks (manual, automatic, describe system)		N.A.			
	2 - 4 - 6 way, elc.			N.A.		
		Reclining (R.H., L.H.)		N.A		
	1	Memory (R.H., L.H., preset recline)		N.A.		
	Seats	Support (lumbar, hip, thigh, etc.)		N.A.	<u> </u>	
Power equipment		Healed (R.H., L.H., other)				
equipment	Side wind	ows		N.A.		
	Vent wind	ows		N.A		
	Rear wind	lows		N.A		
					1>	
	Antenna (location, whip, w / shield, power)	Opt. (Whi	p on Front Fend	<u>ler)</u>	
	Standard		N.A.			
Radio systems	Optional	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	Opt.	(AM/FM MPX ETR)		
	Optonia		N.A.	(AM/FM MPX	Opt. ETR. Cassette Stereo)	
	Speaker	(number, location)	Opt. (2 speakers, 1/PNL 4 speakers, 1/PNL, R/SHELF) (4 s		Opt. (6 speakers, I/PNL, R/SHELF, F/DOOR)	
Roof: open air or fixed (liip-up, sliding, "T") Speed control device Speed warning device (light, buzzer, etc.)		-up, sliding, "T")		N.A		
			N.A. N.A.			
		ht, buzzer, etc.)				
Tachometer (N.A.		
Telephone system (describe)		be)	N.A			
Theft deterre	nt system		Disc tumbler. Key lo	ocks on ignition	switch. Doors.	
	-		Fuel lid, Luggage co	ompartment & Loc	kable steering.	

Ø Trailer Towing

Yes / No	Yes
Std / Opt	Std
Std / Opt	
Std / Opt	1000
Sid / Opt	100
Yes / No	No
	Std / Opt Std / Opt Std / Opt Std / Opt

^{*} Class I - 2,000 lbs.

Model Year Revised (*)

METRIC (U.S. Customary)
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.

Body Type	SAE Ref. No.	C52A
Width	NO. 1	
Tread (front)	W101	(1430)
Tread (rear)	W102	<u> </u>
Vehicle width	W103	71670
Body width at Sg RP (front)	W117	1650
Vehicle width (front doors open)	W120	4004
Vehicle width (rear doors open)	W121	
Tumble-home (deg.)	W122	22.5°
Outside mirror width	W410	1950
Length	1 -1	·
Wheelbase	L101	2385
Vehicle length	L103	4030
Overhang (front)	L104	900 •
Overhang (rear)	L105	745
Upper structure length	L123	2660
Rear wheel C/L "X" coordinate	L127	2380
Height*		
Passenger distribution (front/rear)	PD1,2,3	Front : 2, Rear :3
Trunk/cargo load		•
Vehicle height	H101	1320
Cowl point to ground	H114	883
Deck point to ground	H138	865
Rocker panel-front to ground	H112	153
Rocker panel-rear to ground	H111	136
Windshield slope angle	H122	60.5°
Backlight slope angle	H121	41.5°
Ground Clearance*		
Front bumper to ground	H102	216
Rear bumper to ground	H104	222
Bumper to ground [front at curb mass (wt.)]	H103	247
Bumper to ground [rear at curb mass (wt.)]	H105	296
Angle of approach (degrees)	H106	18.5°
Angle of departure (degrees)	H107	14°
Ramp breakover angle (degrees)	H147	9°
Axle differential to ground (front/rear)	H153	170
Min. running round clearance	H156	90
Location of min. run. grd. clear.	+	Exhaust Pipe

^{*} All vehicle height and ground clearances are measured at the Manufacturer's Design Load Weight. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load, unless otherwise specified. All linear dimensions are in millimeters (inches) unless otherwise noted.

Mitsubishi Mirage 1991 | Issued | 1990-8 Revised (•)

METRIC (U.S. Customary)

Body Type	ļ	C52A
	SAE	
Front Compartment	Ref. No.	
SgRP front, "X" coordinate	L31	1310
Effective head room	H61	972
Max. eff. leg room (accelerator)	L34	1065
SgRP to heel point	H30	250
SgRP to heel point	L53	830
Back angle	L40	25°
Hip angle	L42	94°
Knee angle	L44	118°
Foot angle	L46	87°
Design H-point front travel	L17	220
Normal driving & riding seat track trvl.	L23	220
Shoulder room	W3	1360
Hip room	W5	1340
Upper body opening to ground	H50	1214
Steering wheel maximum diameter	W9	376
Steering wheel angle	H18	25.3°
Accel, hell pt. to steer, whil. cntr	L11	416
Accel, heel pt. to steer, whi, cntr	H17	628
ACCES, FIGHT DL. TO STORT, WITH, CHILL	 	
	H67	10 .
Undepressed floor covering thickness Rear Compartment SgRP point couple distance	L50	700
Rear Compartment	L50 H63	700 937
Rear Compartment SgRP point couple distance	L50 H63 L51	700 937 825
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room	L50 H63	700 937 825 320
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room	L50 H63 L51 H31 L48	700 937 825 320 —26
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance	L50 H63 L51 H31	700 937 825 320 26
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room	L50 H63 L51 H31 L48	700 937 825 320 —26
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room	L50 H63 L51 H31 L48 W4	700 937 825 320 26 1324 1080
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground	L50 H63 L51 H31 L48 W4 W6	700 937 825 320 26 1324 1080
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle	L50 H63 L51 H31 L48 W4 W6 H51	700 937 825 320 26 1324 1080
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45	700 937 825 320 26 1324 1080
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle	L50 H63 L51 H31 L48 W4 W6 H51 L41	700 937 825 320 -26 1324 1080 26° 86° 77° 106°
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45	700 937 825 320 26 1324 1080
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle Depressed floor covering thickness	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47	700 937 825 320 -26 1324 1080 26° 86° 77° 106°
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle Depressed floor covering thickness Luggage Compartment	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47	700 937 825 320 -26 1324 1080 26° 86° 77° 106°
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle Depressed floor covering thickness Luggage Compartment Usable tuggage capacity [L (cu. ft.)]	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47 H73	700 937 825 320 26 1324 1080 26° 86° 77° 106°
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Mip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle Depressed floor covering thickness Luggage Compartment Usable tuggage capacity [L (cu. ft.)] Liftover height	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47 H73	700 937 825 320 -26 1324 1080 26° 86° 77° 106° 10
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle Knee angle Foot angle Depressed floor covering thickness Luggage Compartment Usable tuggage capacity [L (cu. ft.)] Littover height	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47 H73	700 937 825 32026 1324 1080 26° 86° 77° 106° 10
Rear Compartment SgRP point couple distance Effective head room Min. effective leg room SgRP (second to heel) Knee clearance Shoulder room Hip room Upper body opening to ground Back angle Hip angle	L50 H63 L51 H31 L48 W4 W6 H51 L41 L43 L45 L47 H73	700 937 825 320 -26 1324 1080 26° 86° 77° 106° 10

^{*} See page 14.
** Includes passenger and trunk / cargo index - see definition page 32.

MANA Considerations	Vehicle Line <u>Mitsubishi Mirage</u>	
MVMA Specifications	Model Year 1991 Issued 1990-8 P	levise

d (•) METRIC (U.S. Customary) Vehicle Dimensions See Key Sheets for definitions **Body Type** C52À SAE Ref. No. Station Wagon - Third Seat Seat facing direction SD1 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 - Cargo Space Cargo length (open front) L200 Cargo length (open second) L201 L202 Cargo length (closed front) L203 Cargo length (closed second) L204 Cargo length at belt (front) L205 Cargo length at belt (second) Cargo width (wheelhouse) W201 Rear opening width at floor W203 Opening width at belt W204 _ W205 Min. rear opening width above belt Cargo height H201 H202 Rear opening height H250 _ Tailgate to ground height Front seat back to load floor height H197 Cargo volume index m3(ft.3) ٧2 Hidden cargo volume index m3(ft.3) V4 V10 _ Cargo volume index-rear of 2-seat Hatchback - Cargo Space 1082 Cargo length at front seatback height L208 Cargo length at floor (front) L209 1243 L210 451 Cargo length at second seatback height L211 638 Cargo length at floor (second) 639 H197 Front seatback to load floor height H198 455 Second seatback to load floor height 0.98 (34.7) ٧3 Cargo volume index m3(ft.3)

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

V4

V11

Hidden cargo volume index m3(fL3)

Cargo volume index-rear of 2-seat

0.33 (11.5

MVMA Specifications METRIC (U.S. Customary)

Vehicle Line <u>Mitsubishi Mirage</u>

Model Year <u>1991</u> Issued <u>1990-8</u> Revised (●) _____

dy Typ	•	C52A ·
hicle	Fiducia	al Marks
lucial M mber*	ark	Define Coordinate Location
ent		Datum plane definition - Vertical longitudinal plane through the longitudinal center of the car. Vertical transverse plane through the front wheel center. Horizontal plane through the lower surface of the front floor panel.
icial k nber		
	W21*	363.3
[L54*	30.5
n [H81°	-18.3
ļ	H161*	191.0
	H163*	-
		·
	W22*	472.0
	L55°	2910.0 224.5
1	$\overline{}$	224 E
,	H82*	224.0
•	H82* H162*	443,8

^{*} Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.

ØMVMA Specifications **METRIC (U.S. Customary)**

Vehicle Line	<u>Mitsu</u> bisl	ni Mirage_	
Model Year _	1991	Issued <u>1990-8</u>	_ Revised (•)

•			Vehicle Mass (weight)				% PASS MASS DISTRIBUTION				
	. <u>-</u>		CURB MASS, kg. (lb.)*			SHIPPING		Pass in Front		Pass in Rear	
Code	Model	Front	Rear	Total	MASS kg(lb)***	ETWC**	Front	Rear	Front	Rear	
	C52AMFSEL 2/7	615	385	1000	965	М	50	50	18	82	
		(1356)	(849)	(2205)	(2128)		T -				
		1,								·	
	C52AMKSEL 2/7	630_	385	1015	980	N	50	50	18	82	
		(1389)	385 (849)	1015 (2238)	(2161)						
	C52AMNMEL 2/7	620	385	1005	970	N	50	50	18	82	
		(1367)	(849)	(2216)	(2139)						
	C52AMKMEL 2/7	635	385	1020	985	N	50	50	18	82	
		(1400)	(849)	(2249)	(2172)						
										<u></u>	
	C52AMNDEL 2/7	620	385	1005	970	N	50	50	18	82	
		(1367)	(849)	(2216)	(2139)						
	C52AMKDEL 2/7	635	385	1020	985	N	50	50	18	82	
		(1400)	(849)	(2249)	(2172)						
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ETWC LEGEND - 3000 - 3125 - 3250 - 3375 - 3500 - 3625 - 3750 - 3875 = 4000 = 4250 = 4500 = 4750 = 5000 = 5250 = 5500 = 5750 = 1000 = 1125 = 1250 = 1375 = 1500 = 1625 = 1750 = 1875 - 2000 - 2125 - 2250 - 2375 - 2500 - 2625 - 2750 - 2875 QRSTUVXX Y Z AA BB CCD EFF BCOEFGH 7×12200

Shipping Mass (weight) = Curb Weight Less:								
35kg (77 lbs.)								
	·							
•								

^{*} Reference — SAE J1100 Motor vehicle dimensions, curb weight definition.

** ETWC — Equivalent Test Weight Class — basis for U.S. Environmental Protection Agency emission certifications. Refer to ETWC code legend below for test weight class.

MVMA Specifications METRIC (U.S. Customary)

Vehicle Line	Mitsub	ishi <u>N</u>	Mirage		
Model Year _	1991	_ Issued	1990-8	Revised (*)	

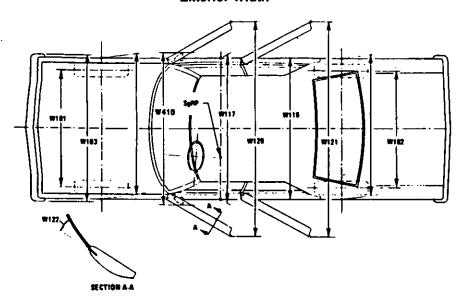
			Optional	Equipment D	Offerential Mass (weight)*
			MASS, kg. (Remarks Restrictions, Requirements
Code	Equipment	Front	Rear	Total	restrictions, requirements
	AM/FM & Cassette	5.0	1.5	6.5	
		(11)	(3)	(14)	
	Power Steering	6.0	0	6.0	·
		(13)	0	(13)	
	Rear Wiper	-0.2	2.0	1.8	<u> </u>
		(-0.4)	(4)	(3.6)	
	Air Conditioner	20.0	0	20.0	
		(44)	0	(44)	
	Power Window	2.5	2.1	4.6	
	·	(5.5)	(4.5)	(10)	
					
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^{*} Also see Engine - General Section for dressed engine mass (weight).

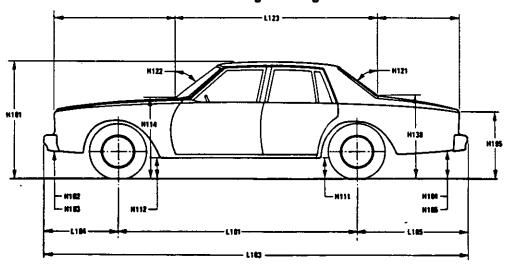
METRIC (U.S. Customary)

Exterior Vehicle And Body Dimensions - Key Sheet

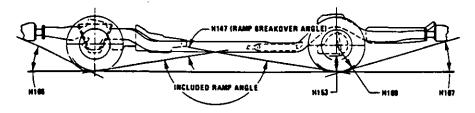
Exterior Width



Exterior Length & Height



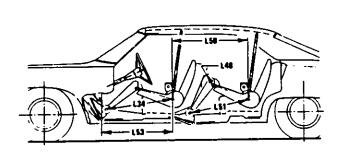
Exterior Ground Clearance

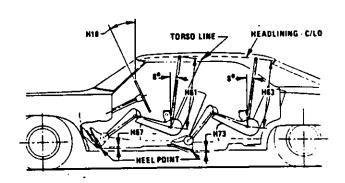


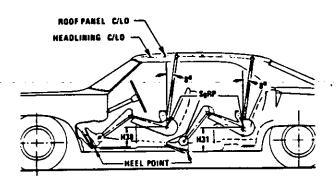
MVMA Specifications Form

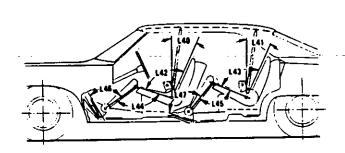
METRIC (U.S. Customary)

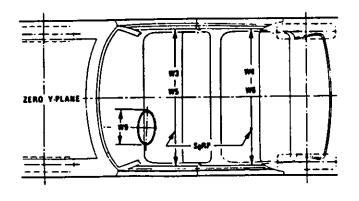
Interior Vehicle And Body Dimensions - Key Sheet

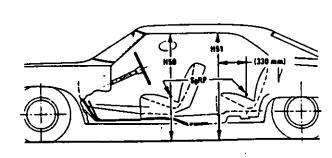










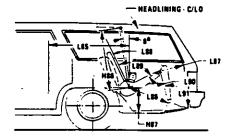


MVMA Specifications Form

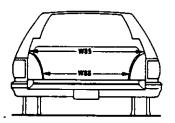
METRIC (U.S. Customary)

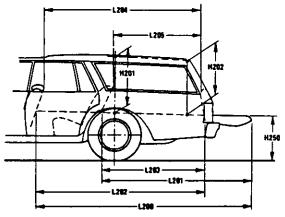
Interior Vehicle And Body Dimensions - Key Sheet

Third Seat

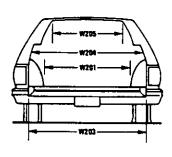


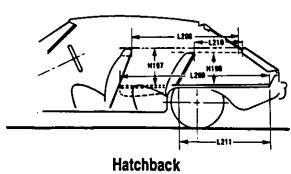
Cargo Space





Station Wagon





METRIC (U.S. Customary)

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

TREAD-FRONT. The dimension measured between the W101

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.

VEHICLE WIDTH. The maximum dimension measured W103 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.

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

VEHICLE WIDTH - FRONT DOORS OPEN. The dimension W120 measured between the widest point on the front doors in maximum hold-open position.

VEHICLE WIDTH - REAR DOORS OPEN. The dimension W121 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. 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 of the front door glass at the front SgRP "X" plane.

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

WHEELBASE (WB). The dimension measured longitudinaily between front and rear wheel centerlines. 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.

OVERHAND - FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow

hooks and/or rub strips, if standard equipment.

OVERHANG – REAR. The dimension measured longitudi-L105 nally 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.

UPPER STRUCTURE LENGTH. The dimension measured L123

longitudinally from the cowl point to the deck point.
REAR WHEEL CENTERLINE "X" COORDINATE or in the L127 case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.

Height Dimensions

VEHICLE HEIGHT. The dimension measured vertically from H101 the highest point on the vehicle body to ground.

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.

ROCKER PANEL - FRONT TO GROUND. The dimension H112 measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

COWL POINT TO GROUND. Measured at zero "Y" plane. H114 BACKLIGHT SLOPE ANGLE. The angle between the H121 vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

WINDSHIELD SLOPE ANGLE. The angle between the H122 vertical reference line and a chord of the windshield arc running from the lower DLO to the upper DLO at the vehicle 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.

DECK POINT TO GROUND. Measured at zero "Y" plane. STATIC LOAD - TIRE RADIUS - REAR. Specified by the H138 H109 manufacturer in accordance with composite TIRE SECTION

STANDARD.

Ground Clearance Dimensions

FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

FRONT BUMPER TO GROUND-CURB MASS (WT.). H103 Measured in the same manner as H102.

REAR BUMPER TO GROUND. The minimum dimension H104 measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

REAR BUMPER TO GROUND-CURB MASS (WT.). H105 Measured in the same manner as H104.

ANGLE OF APPROACH. The angle measured between a H₁₀₆ 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

ANGLE OF DEPARTURE. The angle measured between a H107 line tangent to the rear tire static loaded radius arc and the initial point structural interference rearward of the rear tire

to ground. The limiting component shall be designated. RAMP BREAKOVER ANGLE. The angle measured be-H147 tween two 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.

REAR AXLE DIFFERENTIAL TO GROUND. The minimum H153 dimension measured from the rear axle differential to

ground.
MINIMUM RUNNING GROUND CLEARANCE. The mini-H156 mum dimension measured from the sprung vehicle to ground. Specify location.

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet

Dimensions Definitions W5 **Glass Areas** 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 W9 Total area. Total of all areas (S1 + S2 + S3). **Fiducial Mark Dimensions H7** Flducial Mark - Number 1 "X" coordinate. "Y" coordinate. W21 "Z" coordinate. H81 H18 Height "Z" coordinate to ground at curb weight. Height "Z" coordinate to ground. H161 H163 H30 Fiducial Mark - Number 2 "X" coordinate. **L**55 **H50** W22 "Y" coordinate. "Z" coordinate. W82 Height "Z" coordinate to ground at curb weight. Height "Z" coordinate to ground. H162 . H61 H164 Front Compartment Dimensions **H67** ACCELERATOR HEEL POINT TO STEERING WHEEL L11 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. 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 L43 J1100) L23 NORMAL DRIVING AND RIDING SEAT TRACK TRAVEL. L45 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). SgRP – FRONT. "X" COORDINATED. MAXIMUM EFFECTIVE LEG ROOM – ACCELERATOR. **L48** L31

The dimension measured along a line from the ankle pivot center to the SgRP – front plus 254 mm (10.0 in.) measured with right foot on the undepressed 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.

BACK ANGLE - FRONT. The angle measured between a vertical line through the SgRP - front and the torso line. If L-40 the seatback is adjustable, use the normal driving and riding

position specified by the manufacturer.
HIP ANGLE - FRONT. The angle measured between torso L-42 line and thigh centerline.

KNEE ANGLE-FRONT. The angle measured between thigh centerline and lower leg centerline measured on the

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

1.53 SqRP-FRONT TO HEEL. The dimension measured horizontally from the SgRP-front to the accelerator heel

SHOULDER ROOM-FRONT. The minimum dimension W3 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.

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 (3.0 in.) above the SgRP - front and 76 mm (3.0 in.) fore and aft of the SgRP – front.

STERING WHEEL MAXIMUM OUTSIDE DIAMETER.

Define if other than round.

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.

STEERING WHEEL ANGLE. The angle measured from a

vertical to the surface plane of the steering wheel.
SgRP-FRONT TO HEEL. The dimension measured vertically from the SgRP-front to the accelerator heel point.
UPPER BODY OPENING TO GROUND-FRONT. The

dimension measured vertically from the trimmed body opening to the ground on the SgRP – front "X" plane. EFFECTIVE HEAD ROOM – FRONT. The dimension meas-

ured along a line 8 deg. rear of vertical from the SgRP – front to the headlining plus 102 mm (4.0in.).

FLOOR COVERING THICKNESS – UNDEPRESSED –

FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

Rear Compartment Dimensions

BACK ANGLE - SECOND. The angle measured between

a vertical line through the SgRP – second and the torso line.

HIP ANGLE – SECOND. The angle measured between torso line and thigh centerline.

KNEE ANGLE-SECOND. The angle measured between

thigh centerline and lower leg centerline.
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).

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.).

SGRP COUPLE DISTANCE-SECOND. The dimension L50 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.). SHOULDER ROOM – SECOND. The minimum dimension

W4 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. HIP ROOM - SECOND. Measured in the same manner as

W6

SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional H31

device heel point on the depressed floor covering.

UPPER BODY OPENING TO GROUND - SECOND. The H51 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. EFFECTIVE HEAD ROOM-SECOND. The dimension

H63 measured along a line 8 deg. rear of vertical from the SgRP

to the headlining, plus 102 mm (4.0 in.). FLOOR COVERING - DEPRESSED - SECOND. The di-**H73** mension measured vertically from the heel point to the underbody sheet metal.

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METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet **Dimensions Definitions**

Luggage Compartment Dimensions

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 Volume Index is listed for each body style except two seaters. The Interior Volume Index estiamtes 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 Interior Volume Index is an estimate of the size of the passenger compartment.

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

Station Wagon - Third Seat Dimensions

SgRP COUPLE DISTANCE - THIRD. The dimension meas-L85 ured horizontally from the SgRP - second to the SgRP - third.

EFFECTIVE LEG ROOM-THIRD. The dimension meas-**L86** ured along a line from the ankle pivot center to the SgRP - third plus 254 mm (10.0 in.).

LB7 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.

BACK ANGLE - THIRD. Measured in the same manner as L88 L41.

L89 HIP ANGLE-THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE - THIRD. Measured in the same manner as 1.45

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.

EFFECTIVE HEAD ROOM - THIRD. The dimension, meas-**H86** ured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

SGRP - THIRD TO HEEL POINT. H87

SD1 SEAT FACING DIRECTION - THIRD.

Station Wagon - Cargo Space Dimensions

CARGO LENGTH - OPEN - FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if 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 undepressed floor covering to the rearmost point on the undepressed 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.

CARGO LENGTH-CLOSED-FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

CARGO LENGTH - CLOSED - SECOND. The dimension 1.203 measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at

the zero "Y" plane.

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 at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

CARGO WIDTH - WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure to the sheet metal.

REAR OPENING WIDTH AT FLOOR. The minimum W203 dimension measured laterally between the limiting interferences of the rear opening at floor level.

REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up

REAR OPENING WIDTH ABOVE BELT. The minimum W205 dimension measured laterally between the limiting interferences of the rear opening above the belt height. FRONT SEATBACK TO LOAD FLOOR HEIGHT. The

dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering. CARGO HEIGHT. The dimension measured vertically from H201 the top of the undepressed floor covering to the headlining

at the rear wheel "X" coordinate on the zero "Y" plane. REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear

door fully open. TAILGATE TO GROUND CURB MASS (WT.). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

STATION WAGON V2

Measured in inches:

Measured in mm:

$$\frac{\text{W4 x H201 x L204}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions - Key Sheet **Dimensions Definitions**

HIDDEN LUGGAGE CAPACITY - REAR OF FRONT SEAT. V4 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.

V5 TRUCKS AND MPV'S WITH OPEN AREA.

Measured in inches:

L506 x W505 x H503 1728

Measured in mm:

L506 x W500 x H503 = m³ (cubic meter) 109

V6 TRUCKS AND MPV'S WITH CLOSED AREA.

Measured in inches:

L204 x W500 x H505 1728

Measured in mm:

L204 x W500 x H505 = m3 (cubic meter) 109

HIDDEN LUGGAGE CAPACITY-REAR OF SECOND VA. 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.
STATION WAGON CARGO VOLUME INDEX.

V10

Measured in inches:

H201 x L205 x W4 + W201 1728

Measured in mm:

H201 x L205 x W4 + W201 = m³ (cubic meter) 109

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).

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.
CARGO LENGTH AT FLOOR-FRONT-HATCHBACK.

L209 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.

CARGO LENGTH AT SECOND SEATBACK L210 HEIGHT-HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed 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.

L211 CARGO LENGTH AT FLOOR - SECOND HATCHBACK. 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.

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.

SECOND SEATBACK TO LOAD FLOOR HEIGHT: The H198 dimension measured vertically from the second seatback to the undepressed floor covering.

V3 HATCHBACK.

Measured in inches:

L208 + L209 x W4 x H197 1728

Measured in mm:

L208 + L209 x W4 x H197 = m3 (cubic meter)

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.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:

Measured in inches:

L210 + L211 x W4 x H198 1728

Measured in mm:

L210 + L211 x W4 x H198 = m3 (cubic meter)

METRIC (U.S. Customary)

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