MOTOR VEHICLE Specifications

METRIC (U.S. Customary)

Passenger Car

1985

Manufacturer .	Car Line .	
Mitsubishi Motors Corporation	Starion	
Mailing Address 33-8, Shiba 5-chome, Minato-ku,		
Tokyo, 108, Japan	Issued 3-1-1984	Revised

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

METRIC (U.S. Customary)

Table of Contents

- 1	Car Models
2	Power Teams
3-6	Engine
4	Lubrication System .
4	Diesel Information
5	Cooling System
6	Fuel System
7	Vehicle Emission Control
7	Exhaust System
8-10	Transmission, Axles and Shafts
11	Suspension-Front and Rear
12-13	Brakes
13	Tires and Wheels
14-15	Steering
15-16	Electrical
17	Body – Miscellaneous Information
17	Glass
17	Frame.
18	Restraint System
19	Convenience Equipment
20-22	Car and Body Dimensions
23	Vehicle Fiducial Marks
24	Lamps and Headlamps
25	Vehicle Mass (Weight)
26	Optional Equipment Differential Mass (Weight)
27-31	Car and Body Dimension Key Sheets
32	Index

NOTE:

- 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).
- The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
- 4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

Car Line	Starion	
Model Year_	1985	Issued3-1-1984_Revised(•)

Car Models

	, 	Car Models		
Model Description FWD/RWD	Introduction Date	Make, Car Line, Series, Body Type (Migr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max, Trunk/Cargo Load-Kilograms (Pounds)
2 DOOR		A187AMNULF/H	5(2/3)	35kg
HATCH BACK		A187AMRULF/H	5(2/3)	(771bs)
(RWD)		A187AMNXLF/H	5(2/3)	
		A187AMRXLF/H	5(2/3)	
		A187AMNGLF/H	5(2/3)	
				,
,				
	:			
	·			
				,
·				

Car Line Starion		
	Issued 3-1-84 Revised (*)	

METRIC (U.S. Customary)

Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque connected to 77° F/25° C and 29.61 in. Hg/100 Kpa atmospheric pressure.

			ENGINE			E×E		
SERIES AVAILABILITY	Displ. Liters (in ³)	Carb. (Barrels, Fl, etc.)	Compr Ratio	SAE Net kW (bhp)	Torque N - m (lb, ft.)	E a u o - /D	TRANSMISSION TRANSAXLE	AXLE RATIO (std. first)
A187AM	2.555	F.I	7.0	108 (145)	251 (185)	S	Manual 5-Speed	3.545
Series	(156)	, , , _	,,,	at 5000	at 2500		Automatic 4-Speed	3.545
								, ,
-		-	·					
		-			-			

METRIC (U.S. Customary)

Car Line Starion		
Model Year 1985	_ _{Issued} 3-1-84	Revised (*)

Engine Description/Carb. Engine Code		G54B with Turbo (2.555 Liters)					
		M/T		A/T			
ENGINE - GEN	NERAL						
Type & description (inline, V, angle, flat, location, front, mid, rear,			In line front				
transverse, longitud ohv, hemi, wedge, p			longitudinal				
No. of cylinders	4						
Bore			91.1				
Stroke			98				
Bore spacing (c/l to	c/I)		101				
Cylinder block mate	rial		Cast iron				
Cylinder block deck	height		251				
Deck clearance (mix (above or below blo			Below 0.6				
Cylinder head mate	rial		Aluminum alloy	1			
Cylinder head volum	ne (cm ³)	·	75.2				
Head gasket thickni (compressed)	ess	1.25					
Minimum combustion chamber total volume (cm ³)		105.6					
Cyl. no. system	L. Bank	N, A.					
(front to rear)*	R. Bank	N.A.					
Firing order		1-3-4-2					
Recommended fuel (leaded, unleaded, o	diesel)	Unleaded					
Fuel antiknock index (R + M) 2		RON 91 (minimum)					
Total dressed engine	e mass (wt) dry**	172.4		165.4			
Engine - Pisto	ons						
Material & mass, g (weight, oz.) piston		Aluminum alloy 464 (16)					
Engine - Cam	shaft						
Location		Center of IN. and EX. valve on cylinder-head					
Material (kg., weigh	t, lbs.)	Cast iron 2.8 (6.2)					
	Chain/belt		Chain				
Drive type	Width/pitch		23.3 / 9.525	· · · · · · · · · · · · · · · · · · ·			

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

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

Car LineStarion		
Model Year 1985	Issued 3-1-84 Revised (•)	

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code		G54B with Turbo (2.555 Liters)		
Engine -	- Valve System			
Hydraulic lit	iters (std., opt., NA)			
Valves	Number intake / exhaust	4 / 4		
V 21V C 3	Head O.D. intake / exhaust	46 / 38		
Engine -	- Connecting Rods			
Material & r	mass [kg., (weight, lbs.)]	Drop-forged steel,0.830 (1.8)	·	
Engine -	- Crankshaft			
Material & r	nass [kg., (weight, lbs.)]	Drop-forged steel		
End thrust t	aken by bearing (no.)	17.5 (38.6)	-	
Number of	main bearings	5		
Engine -	- Lubrication System			
Normal oil p	pressure [kPa (psi) at engine rpm]	390 (56.5)	-	
Type oil inta	ake (floating, stationary)	Stationary		
Oil filter sys	tem (full flow, part, other)	Full flow		
Capacity of	c/case, less filter-refill-L (qt.)	3.8 (3.3)		
Engine -	- Diesel Information			
	ne manufacturer	——————————————————————————————————————		
Glow plug,	current drain at 0°F			
Injector	Туре	_		
nozzle	Opening pressure [kPa (psi)]	-		
Pre-chambe		, -		
Fuel in- jection pum	Manufacturer	` <u> </u>		
Jection pani	P Type			
Eucl injectio	on numn drive (helt chain gear)			
	n pump drive (belt, chain, gear)	<u>-</u>		
Supplement	ary vacuum source (type)			
Supplement Fuel heater Water separ	ary vacuum source (type)			
Supplement Fuel heater	ary vacuum source (type) (yes/no) rator, description	- ;		
Supplement Fuel heater Water sepai (std., opt.) Turbo manu Oil cooler-ty	(yes/no) . rator, description rfacturer pe (oil to engine coolant;			
Supplement Fuel heater Water sepai (std., opt.) Turbo manu Oil cooler-ty oil to ambier	(yes/no) . rator, description rfacturer pe (oil to engine coolant;			
Supplement Fuel heater Water sepai (std., opt.) Turbo manu Oil cooler-ty oil to ambier Oil filter	ary vacuum source (type) (yes/no) . rator, description facturer rpe (oil to engine coolant; nt air)	- ;		
Supplement Fuel heater Water separ (std., opt.) Turbo manu Oil cooler-ty oil to ambier Oil filter Engine -	ary vacuum source (type) (yes/no) . rator, description afacturer pe (oil to engine coolant; nt air) - Intake System			
Supplement Fuel heater Water separ (std., opt.) Turbo manu Oil cooler-ty oil to ambier Oil filter Engine -	ary vacuum source (type) (yes/no) . rator, description facturer rpe (oil to engine coolant; nt air)			

Car Line _ Starion		
Model Year 1985	_!ssued3-1-84	Revised (•)

METRIC (U.S. Customary)

Engine Description/Carb.		G54B with Turbo (2.555 Liters)				
Engine Co	Ge	M/T	A/T			
Engine -	- Cooling System					
Coolant reco	overy system (std., opt., n.a.)					
	ocation (rad., bottle)	2.6 L	2.8 L			
Radiator car	p relief valve pressure [kPa (psi)]		3.2 kpa			
thermostat Star	Type (choke, bypass)		ss pellet			
	Starts to open at °C (°F)	88 (190.4)				
	Type (centrifugal, other)	Cent	rifugal			
Water	GPM 1000 pump rpm					
pump	Number of pumps		1			
	Drive (V-belt, other)	٧ .	- Belt			
	Bearing type	Ball, integral sha	ft, permanently sealed			
By-pass rec	irculation [type (inter., ext.)]		ternal			
Cooling With heater-L(qt.)						
system capacity	With air condL(qt.)					
	Opt. equipment [specify-L(qt.)]					
Water jacke	ts full length of cyl. (yes, no)		Yes			
Water all are	ound cylinder (yes, no)		No			
	Describe (type, material, no. of rows)	Down	Flow Brass			
Radiator	Std., A/C, HD					
core	Width	646	648 (mm)			
	Height		400 (mm)			
	Thickness		32 (mm)			
	Fins per inch	11	14			
	Std., elec., opt.		Std.			
	Number of blades & type (flex, solid, material)	7 -	Uneven			
	Diameter & projected width	410 (mm)				
	Ratio (fan to crankshaft rev.)		1.1			
Fan	Fan cutout type	Thermal hydraulic coupling				
	Drive [type (direct, remote)]	V - belt, direct				
	RPM at idle (elec.)		-			
	Motor rating (wattage) (elec.)					
	Motor switch (type & location) (elec.)		_			
	Switch point (temp., pressure) (elec.)		_			

Fan shroud (material)

Car Line Starion			
Model Year 1985	_issued_3-1-84	Revised (*)	

Engine Description/Carb. Engine Code		·	G54B with Turbo (2.555 Liters)
Engine —	Fuel System	(See supp	elemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)
Induction ty	pe: carburetor, fi stem, etc.	iel	Fuel injection
	Mtgr.	,	
	Choke (type)		-
Carbure-	Idle spdrpm	Manual	-
lor	(spec. neutral		
	or drive and propane	Automatic	•
	il used)	1	
ldle A/F mix	<u>. </u>		14.7
	Point of injection	on (no.)	On throttle valve (two)
Fuel	Constant, pulse	e, flow	28.0 mm³ / 2.5 msec
injection	Control (electro	onic, mech.)	Electronic
	System pressu	re (kPa (psi))	245 kPa
	fold heat control ermostatic or fixe		Water , fixed
Air cleaner	Standard		Dry, Non-woven cloth
type	Optional		N.A.
	Type (elec. or mech.)		Electric
Fuel pump	Location (eng., tank)		Near by Fuel Tank
	Pressure range	[kPa (psi)]	620 to 800 (90 to 120)
Fuel Tan	k		
Capacity fre	efill L (gallons)]		75 L (19.8 gallons)
Location (describe)			Underneath rear floor pan cargo area between axle and rear bumper
Attachment	·		Bolts
Material			Steel
Filler	Location & mai	erial	Left side rear quarter panel, Steel pipe
pipe 	Connection to	tank	Rubber hose
Fuel line (m	naterial)		Steel pipe
Fuel hose (Rubber hose
Return line			Steel pipe
Vapor line (T		Steel pipe
	Opt., n.a.		
Extended	Capacity L (ga		<u> </u>
range tank	Location & mai	erial	
	Attachment		_
	Opt. n.a.	.11	
	Capacity L (ga		
Auxiliary tank	Location & ma	ieriai	<u>-</u>
	Attachment		_
	Selector switc	n or valve	-
	Separate fill		<u> </u>

Car Line Starion

Model Year 1985 Issued 3-1-84 Revised (*)

Engine	Description/Carb.
Fagine	Code

G54B with Turbo (2.555 Liters)

	Type (air injection, engine modifications, other)		Three-way catalyst with feedback control. Exhaust gas recirculation and Air induction.		
		Pump or putse	Pulse		
		Driven by	N.A.		
	Air Injection	Air distribution (head, manifold, etc.)	N.A.		
		Point of entry	N.A.		
xhaust		Type (controlled flow, open orifice, other)	Controlled flow		
	Exhaust Gas	Exhaust source	Exhaust port NO. 2		
	Recircula- tion	Point of exhaust injection (spacer, carburetor, manifold, other)	Intake manifold		
		Type	Three-way		
		Number of	2		
	Catalytic Converter	Location(s)	In engine compartment & Under floor		
		Volume (L (in ³))	1.0 (61) + 1.0 (61)		
		Substrate type	Monolith		
	Type (ventilates to atmosphere, induction system, other)		Induction system		
rankcase mission	Energy source (manifold e vacuum, carburetor, other)		Intake manifold vacuum		
	Discharges (to intake manifold, other)		To intake manifold		
	Air inlet (breather cap, other)		Air cleaner		
Evapora-	Vapor vented to Fuel tank (crankcase,		Canister		
ive Emission	canister, other) Carburetor		•		
Control	Vapor stor	age provision	Canister		
lectronic	Closed loo	p (yes/no)			
system	Open loop	 			
		ith cross-over,	C·]		
dual, other)		Single		
	& type (rev u, separate		One (Straight flow)		
Resonator	no. & type		One (Straight flow)		
xhaust		.d., wall thickness			
ipe.		, wall thickness	54 X 1.6 (mm)		
 	Material		Stainless Steel tube		
iter- jediate		II thickness	54 X 1.2 (mm)		
ipe	Material		Aluminized Steel tube		
fail pipe		II thickness	54 X 1.2 (mm)		
	Material		Aluminized Steel tube		

Car Line	Starion			
Model Year	1985	Issued <u>3-1-1984</u>	Revised (•) _	

METRIC (U.S. Customary)

### Transmissions/Transaxie Manual 3-speed (std., opt., n.a.)		
Manual 3-speed (std., opt., n.a.) N. A. Manual 4-speed (std., opt., n.a.) N. A. Manual 5-speed (std., opt., n.a.) Std. Manual overdrive (std., opt., n.a.) N. A. Automatic (std., opt., n.a.) N. A. Automatic overdrive (std., opt., n.a.) Std. Manual Transmission/Transaxle 5 In first 3,369 In second 2,035		
Manual 4-speed (std., opt., n.a.) N.A. Manual 5-speed (std., opt., n.a.) Std. Manual overdrive (std., opt., n.a.) N.A. Automatic (std., opt., n.a.) N.A. Automatic overdrive (std., opt., n.a.) Std. Manual Transmission/Transaxle 5 In first: 3.369 In second 2.035		
Manual 4-speed (std., opt., n.a.) N.A. Manual 5-speed (std., opt., n.a.) Std. Manual overdrive (std., opt., n.a.) N.A. Automatic (std., opt., n.a.) N.A. Automatic overdrive (std., opt., n.a.) Std. Manual Transmission/Transaxle 5 In first: 3.369 In second 2.035		
Manual 5-speed (std., opt., n.a.) \$td. Manual overdrive (std., opt., n.a.) N. A. Automatic (std., opt., n.a.) N. A. Automatic overdrive (std., opt., n.a.) \$td. Manual Transmission/Transaxle 5 Number of forward speeds 5 In first 3.369 In second 2.035		
Manual overdrive (std., opt., n.a.) N. A. Automatic (std., opt., n.a.) N. A. Automatic overdrive (std., opt., n.a.) Std. Manual Transmission/Transaxle 5 Number of forward speeds 5 In first 3.369 In second 2.035		
Manual Transmission/Transaxle Std. Number of forward speeds 5 In first 3.369 In second 2.035		
Manual Transmission/Transaxle Number of forward speeds 5 In first 3.369 In second 2.035		
Number of forward speeds 5 In first 3.369 In second 2.035		
In first: 3.369 In second 2.035		
In second 2 . 035		
In third 1, 360		
Transmis- In fourth 1.000		
sion ratios In fifth 0.856	· · · · · · · · · · · · · · · · · · ·	
In overdrive		
	3.578	
Synchronous meshing (specify gears) 1, 2, 3, 4, 5		
Shift lever location		
Capacity (L (pt.)) 2.3 (4.9)	ADT OLA	
Type recommended . Multipurpose gear oil conforming to	API GL4	
SAE vis- Summer SAE 80W. / SW-05W		
cosity Winter SAE 80W. 75W-85W		
Extreme cold SAE 80W, 75W-85W		
Clutch (Manual Transmission)		
Make, type, engagement (describe) Daikin Manufacturing Co., Ltd.		
Type pressure plate springs Diaphragm		
Total spring load [N (lb.)] 5394 (1213)		
No. of clutch driven discs One		
Material Woven Asbestos		
Manufacturer Hitachi Chemical Co., Ltd.		
Part number None		
Rivets/plate		
Clutch Rivet size 4 facing	(mm)	
Outside & inside dia. ZZ5 X 150	(mm)	
Total eff. area [cm²(in.²)] 442 (68, 5)		
Thickness . 3.5	(mm)	
Engagement cushion method Flat-wave springs		
Release bearing Type & method of lubrication Ball bearing, permanently lubrication	eted	
Torsional damping Method: springs, triction material Coil springs and friction washe	rs	

MVMA Specifications Form

Car LineStarion		
	1ssued 3-1-1984	Revised (*)

Passenger Car	Model Year 1985 Issued
METRIC (U.S. Customary)	

Engine Description/Carb. Engine Code

G54B with Turbo (2.555 Liters)

Automotic	Transmission	/Transayla
AULOMBUC		/

Trade name		JATCO L4N71B	
Type and sp	Lock up torque converter with automatically operated planetary gear transmission		
Selector	Location	Lever : Console mounted	
Selector	Ltr./No. designation	P. R. N. D. 2. L / 6	
	R	2,182	
_	D	2.458, 1.458, 1.000, 0.686	
Gear ratios	L ₃	40	
	L ₂	1.458	
	L ₁	2.458	
Max. upshift	t speed - drive range [km/h (mph)]	107 (67)	
Max. kickdo	own speed - drive range [km/h (mph)]	89 (56)	
Min. overdr	ive speed [km/h (mph)]	44 (28)	
	Number of elements	Three	
Torque	Max. ratio at stall	1.84 : 1	
converter	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	236	
	Capacity [refill L (pt.)]	7.0 (14.9)	
Lubricant	Type recommended	DEXRON or DEXRON II automatic transmission fluid	
Oil cooler (std., opt., NA, internal, external, air, liquid)		External air cooling	

Axle or Front Wheel Drive Unit

Type (front,	rear)		Rear		
Description		ription Separable			
Limited slip differential (type)		(type)	Opt. (Friction)		
Drive pinion offset			30 (mm)_		
Drive pinion (type)			Hypoid		
No. of differential pinions		is	2		
Pinion adjustment (shim, other)		n, other)	Shim		
Pinion bear			Shim		
Driving whe	el bearing (type)	Ball		
	Capacity	[L (pt.)]	1,3 (2,4)		
Type reco		ommended	Multipurpose gear oil conforming to API GL-5		
Lubricant	SAE vis- cosity	Summer	SAE 90		
		Winter	SAE 90		
	number	Extreme cold	SAE 90		

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

Axle ratio (or overall top gear ratio)	3.545	
No. of teeth	Pinion	11	
	Ring gear or gear	39	
Ring gear o	o.d.	184.0	(mm)
Transaxle	Transfer gear ratio		
II alişakle	Final drive ratio		

Car Line	Starion	
Model Year,	1985	Issued 3-1-1984 Revised (•)

Engine	Description/Carb.
Engine	Code

G54B with Turbo (2.555 Liters)

Propeller	Shaft -	Conventional	Drive
-----------	---------	--------------	-------

	t tube, tube-in rnal damper, e			Strai	ght tube ·	
	Manual 3-sp	eed tran	s.	N.A.	N.A.	
Duter	Manual 4-sp	eed tran	S.	N.A.	N.A.	
fiam, x ength [#] x wall hick-	Manual 5-sp	eed tran	s.	75 X 722 X 1.6 (mm)	N.A.	
ness	Overdrive	٠		N.A.	N.A.	
	Automatic transmission			N.A.	75 X 538 X 1.6 (mm)	
nter- nediate pearing	Type (plain, anti-friction)					
	Lubrication (fitting, prepack)			-		
	Туре			Sliding spline	Sliding spline	
Slip /oke	Number of teeth			23 (24 Indexed)	25 (26 Indexed)	
	Spline o.d.			27.3	28.5	
	Make and n	Make and mfg. no.		Cross: MMC, Bearin	g: Koyo Seiko Co.,Ltd.	
	Number use		Rear	Cross: MMC, Bearing: Koyo Seiko Co.,Ltd.		
	Type (ball and trunnion, cross)		ion, cross)	Cross		
Universal oints	Rear attach	(u-bolt,	clamp, etc.)	Clamp (Snap ring)		
	Ponsins	Type (; anti-fri		Anti-friction		
	Bearing Lubric, (fitting, prepack)			Prepack		
Drive taken arms or spri	through (torquings)	e tube		Torq	ue tube	
Torque take	in through (torings)	que tube		Torq	ue tube	

^{*} Centerline to centerline of universal joints, or to centerline of rear attachment.

Car Line	Starion		_	
Model Year_	1985	_ Issued	3-1-1984 Revised (●)	

METRIC (U.S. Customary)

Body Type Engine Dis	e And/Or splacement	G54B with Turbo (2.555 Liters)			
Suspens	sion – General				
Car	Std./opt./n.a.	N.A.			
leveling	Type (air, hyd., etc.)			 	
	Manual/auto. controlled	_			
	or brake dip control	N.A.	· -		
Provision to	or acci. squat control	N.A.			
Provisions f	for car jacking	N.A.			
Shock	Туре	Front: Strut type	Rear: Strut type		
absorber (front &	Make	Kayaba Industry Co.,Ltd.	Tokiko Co.,Ltd.		
rear)	Piston diameter	30	32	(mm)	
	Rod diameter	22			
Suspens	sion – Front	<u> </u>			
Type and description		Independent s	trut type		
Drive and to	orque taken through				
Travel	Full jounce	80			
	Full rebound	90		(mm)	
	Type (coil, leaf, other) & material	Coil / SUP9 (Spring steel, Specified in JIS)			
	Insulators (type & material)	Cylindrical,	Kubber		
Spring	Size (coil design height & i.d., bar length x dia.)	309 X 117.5 X 2350 X 12.5			
	Spring rate [N/mm (lb./in.)]	26.0 (148.6)			
	Rate at wheel [N/mm (lb./in.)]	24.2 (138.5)			
Stabilizer	Type (link, linkless, frameless)	Link			
	Material & bar diameter	SUP6, 2	21.	(mm)	
Suspens	sion – Rear				
Type and de	escription	Independent st	trut type		
Drive and to	orque taken through	Torque tube			
Travel	Full jounce	95		(mm)	
	Full rebound	90			
	Type (coil, leaf, other) & material	Coil / SUP6			
0-4	Size (length x width, coil design height & i.d., bar length & dia.)	320 X 108.0 X 2550 X 12.0			
Spring	Spring rate [N/mm (lb./in.)]	22.6 (129.5)			
	Rate at wheel [N/mm (lb./in.)]	19.6 (112.1)			
	Insulators (type & material)	Cylindrical, Rubber			
	No. of leaves				
	leaf Shackle (comp. or tens.)				
Stabilizer	Type (link, linkless, frameless)	in			
Track bar (t	Material & bar diameter	S45C. 1	18		
	1P=1	<u> </u>			

1985 3-1-1984

METRIC (U.S. Customary)

Body T	ype And/Or
Engine	Displacement

G54B with Turbo (2.555 Liters)

Brake	s —	Serv	ice

Brakes	- Serv	ice				•			·
Descriptio	n				A187AM	NULF,H NXLF,H	RULF,H RXLF,H	A187A MNG	LF MNGLH
Brake type	е		Front (disc or	drum)			Di	sc.	
(std., opt.,	n.a.)		Rear (disc or d	irum)			Di	sc.	
Self-adjus	sting (std.,	opt., n.	a.)				St	d.	
Special valving	Туре	(propor	tion, delay, metering	ı, other)			Proporti	on valve	
Power bra	ike (std., c	pt., n.a.)				St	d.	
Booster ty	/pe (remol	e, integ	ral, vac., hyd., etc.)					egral	
Vacuum s	ource (inf	ine, pur	np, etc.)					line	
Vacuum re	eservoir (volume	in.3)					<u> </u>	· · · · · · · · · · · · · · · · · · ·
Vacuum p		(elec.,	gear driven, belt dri	ven,			· - · · ·	-	
Anti-skid	device typ	e (std.,	opt., n.a.) (F/R)		Ont	(Rear wh	1001)	Std.	(Rear wheel)
Effective a				(F/R)	Opt.	1.	84 (28.5)	/ 128 (19.8)	fred missil
Gross lini	ng area (c	m²(in.²)]** (F/R)	(,,,,,			89 (29,3)	/ 133 (20.6)	
Swept are				-			16 (204.0)	/ 999 (154.9)	· · ·
	Outer	working	g diameter	F/R			252	/245	(mm)
	Inner	working	diameter	F/R			147	/ 168	(mm)
Rotor	Thicks			F/R			24	/ 18 / 18	(mm)
	Materi			F/R			Cast iron		
	_	ter (nor		F/R				-	
Drum	Type a	and mat	terial	F/R					
Wheel cyl	inder bore	<u> </u>		(F/R)			57.2	/ 41.3	(mm)
Master cy		1	/stroke	F/B		-	23.81	/ 31	(mm)
Pedal arc	ratio	I		1				42	<u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \</u>
Line press	sure at 44	5 N (10	00 lb.) pedal load (k	Pa (psi)]				(1532)	
Lining cle				F/R	No major a	dius tmor			justment require
	Т	Bonde	ed or riveted (rivets/		140 1110,101 0	<u>a'i à 2 cui é i</u>		ided	Justment Ledutie
		Rivet			<u></u>		001		
		Manuf	facturer			Δkc	hono Brake	Industry Ltd	
	Front	Lining	code		AKV 3017 FF				
	1	Materi	ial		(**		ded	
	ĺ	****	Primary or out-bo	ard				43.0 X 10	(mm)
	i	Size	Secondary or in-	board	<u> </u>	<u> </u>		43.0 X 10	(mm)
Deales		Shoe	thickness (no lining				, , , , , ,	.5	
Brake lining		Bonded or riveted (rivets/seg.)		seg.)					(<u>mm</u>)
-	1.		facturer		Bonded Akebono Brake Industry Ltd.				
	Bass	Lining	code		i .	AKE		26 GF	
	Rear	Mater						ded	
		••••	Primary or out-bo	ard	 			.8 X 8.5	/mm\
-		Size	Secondary or in-						(mm)
		<u> </u>	thickness (no lining					<u>.8 X 8.5</u>	(mm)
		1		<u>'</u>	<u> </u>			6	(mm)

^{*} 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 thickness.

Car Line	Starion	
Model Year	1985	Issued 3-1-1984 Revised (*)

	pe And/Or Displacement		G54B with Turbo (2.555 Liters)	
Tires A	\nd Wheels (Standard)		
	Size (load range	e, ply)	P195 / 70R14	
	Type (bias, radi	al, etc.)	Radial	
Tires	Inflation pressure (cold) for	Front (kPa (psi))	190 (27)	
re m:	recommended max. vehicle load	Rear (kPa (psi))	190 (27)	
	Rev./mile-at 7	0 km/h (45 mph)	520	<u> </u>
	Type & materia		Disc. Aluminum	
	Rim (size & flar	ge type)	14 X 6JJ	
Whoole Wh	Wheel offset		18	(mm)
Wheels		Type (bolt or stud)	Stud	
	Attachment	Circle diameter	114.3	(mm)
		Number & size	Four, M12 X 1.5 (Metric)	
	Tire and wheel other describe)	(same, if	Other, T125 / 70D15 High pressure tire	
Spare	Storage positio (describe)	n & location	Luggage room	
Tires And Wheels (Optional) Size (load range, ply) Type (bias, radial, etc.) Wheel (type & material) Rim (size, flange type and offset) Size (load range, ply) Type (bias, radial, etc.) Wheel (type & material) Rim (size, flange type and offset) Size (load range, ply) Type (bias, radial, etc.) Wheel (type & material) Rim (size, flange type and offset) Size (load range, ply) Type (bias, radial, etc.) Wheel (type & material) Type (bias, radial, etc.) Wheel (type & material)		d offset)	P215 / 60R15 Radial Disc. Aluminum 15 X 6 1/2 JJ, off set 18	
Spare to	re and wheel onliguration is dil tire or wheel, de onal spare tire an tion & storage po	lerent than scribe d/or wheel		
Brake	s – Parking			
	control		Handle, Hand-operated	
Location of control		<u></u>	Between front seats	
Operate	·		Rear wheels	
		ernal or external)		
if sepa	Drum dia			
rate fro service brakes	Lining size	te (length x nickness)	_	
				

Car Line Starion	
Model Year 1985	Issued 3-1-1984 Revised (*)

Body Type And/Or Engine Displacement				G54B with Turbo (2.555 Liters)		
Steering	1 _					
Manual (st	d., opt., n.a.)			N.A.		
Power (std	., opt., n.a.)			Std,		
		Type and description	1	Tilt		
(tilt, swing,	other)	(Std., opt., n.a.)		Std.		
Wheel diar	naior	Manual		_		
wileer diar	neter	Power		380 (mm)		
	Outside	Wall to wall (l. & r.)		10.7 (35.1)		
Turning	front	Curb to cur	rb (l, & r.)	9.6 (31.5)		
diameter m (ft.)	Inside	Wall to wal	1 (l. & r.)	-		
	rear	Curb to cur	rb (l. & r.)	-		
Scrub Rad	ius					
		Туре		N.A.		
	Gear	Make		N.A.		
Manual	Gear	Ratios	Gear	N.A.		
	<u> </u>	Hatios	Overall	N.A.		
	No. whee	turns (stop	to stop)	N.A.		
	Type (coaxial, linkage, etc.)		, etc.)	Integral type power steering		
	Make			Koyo Seiko Co.,Ltd.		
		Туре		Recirculating ball nut		
Power	Gear		Gear	14.3		
		Ratios	Overall	15.9		
	Pump (drive)			V-belt		
	No. whee	turns (stop	to stop)	3,0		
	Туре	•		Parallelogram, trailing, equal length the rods		
Linkage	Location of wheels	(front or reas s, other)	· · · · · · · · · · · · · · · · · · ·	Rear		
	Drag link	s (trans. or to	ongit.)	Transverse center		
	Tie rods	(one or two)		Two		
	Inclinatio	n at camber	(deg.)	10°00'		
Steering	_	Upper		Ball bearing		
axis	Bearings (type)	Lower		Ball joint		
(type)		Thrust		-		
Steering sc	oindle & joir	it type		Ball		
	Diameter	Inner beari	ng	31.750 (mm)		
Wheel	Diameier	Outer bear	ing	19.050 (mm)		
wheel spindle	Thread (Thread (size)		M16 X 1.0 (Metric)		
	Bearing (type)			Tapered roller		

Car Line	Starion	
Model Year	1985	Issued 3-1-1984 Revised (•)

Body	Туре	And/Or
Engin	e Dis	placement

G54B with Turbo (2.555 Liters)

		Caster (deg.)	5°20' ± 30'
Front	Service checking	Camber (deg.)	-0°10'
	Checking	Toe-in (outside track-mm (in.))	-5 (-0.20) to 5 (0.20)
	<u> </u>	Caster	
wheel at	Service	Camber	
(wt.)	reset"	Toe-in	
	Periodic	Caster	
	M.V. in-	Camber	
	spection	Toe-in	
	Service	Camber (deg.)	-0°15'
	checking	Toe-in [outside track-mm (in.)]	-2 (-0.08) to 2 (0.08)
Rear wheel at	Service	Camber	
curb mass (wt.)	reset*	Toe-in	
	Periodic	Camber	
	M.V. in-	Toe-in Toe-in	

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

Electrical - Instruments and Equipment

Speed-	Type	In-line driving pointer or Digital		
ometer	Trip odometer (std., opt., n.a.)	Standard with combination_meter		
EGR mainten	ance indicator	N.A		
Charge	Туре	Moving iron		
indicator	Warning device	Driving pointer (Anpmeter) or LCD (Volt Meter)		
Temperature	Туре	Electric thermal (Anpmeter) or Digital(Bow graph)		
indicator	Warning device	Driving pointer (Anpmeter) or LCD (Volt Meter)		
Oil pressure	Туре	Electric thermal (Anpmeter) or Digital(Bow graph)		
indicator	Warning device	Driving pointer (Anpmeter) or LCD (Volt Meter)		
Fuel	Туре	Electric thermal (Anpmeter) or Digital(Bow graph)		
indicator	Warning device	Driving pointer (Anpmeter) or LCD (Volt Meter)		
	Type (standard)	Electric two speed with variable intermittent operation		
Wind- shield	Type (optional)	N, A,		
wiper	Blade length	480 (mm)		
	Swept area [cm ² (in, ²)]	5630 (873)		
Wind-	Type (standard)	Electric		
shield	Type (optional)	N.A.		
washer	Fluid level indicator	Warning light		
Horn	Туре	90 diameter		
110111	Number used	two		
Other		Brake system and parking brake warning light, fasten belts warning light.		

Car Line	Starion			
Model Year_	1985	_ Issued _ 3-1-1984	Revised (•)	,

METRIC (U.S. Customary)

Engine Description/Carb. Engine Code		ırb.	G54B with Turbo (2.555 Liters)	
Electrica	ıl — Suppi	ly System	YUASA BATTERY CO., LTD. or JAPAN STORAGE BATTERY CO., LTD. or MATSUSHITA	
	Make	"	BATTERY IND. CO., LTD. or SHIN-KOBE ELECTRIC MACHINERY CO., LTD.	
Battery	Model, sto	d., (opt.)	NX100-S6(S)- MF	
	Voltage		12	
	Amps at C	of cold crank	420	
,	Minutes-reserve capacity		75	
	Amp/hrs 20 hr. rate		45	
	Location		Front, left side of engine compartment	
C	Type and	rating	65	
Generator or	Ratio (alt.	crank/rev.)	2.06 : 1	
alternator	Optional (type & rating)	N.A.	
Regulator	Туре		Voltage Control	
Electrica	l – Starti	ng System		
Start, motor	Current dr	rain at 0°F		
	Engagem	ent type	Solenoid	
Motor drive	Pinion eng		Front	
Electrica	l – Ignitic	on System		
	Conventional (std., opt., n.a.)		N.A.	
Туре		(std., opt., n.a.)	Std.	
	Other (spe	ecity)		
	Make		Diamond Electric Manufacturing Co.,Ltd.	
Coil	Model		LB-119	
	Current	Engine stopped – A	N.A.	
		Engine idling – A	1.4	
	Make		NGK Spark Plug Co.,Ltd. or Nippon Denso	
	Model		BUR6EA-11 or W20EPR-S11	
Spark	Thread (m	ım)	14	
plug		torque [N-m (lb., ft.)]	20 to 30 (15 to 22)	
	Gap		1.0 to 1.1	
	Number p	er cylinder	1	
Distributor	Make		Mitsubishi Electric Corp.	
	Model			
Electrica	l – Suppi	ression		
Locations &	уре			

Car Line Starion		
Model Year 1985	_Issued3-1-84	Revised (•)

Body	Type
DOGA	Iype

G54B with Turbo (2.555 Liters)

Type of finis	sh (lacquer, enam	el, other)	-
Hinge location (front		ront, rear)	Rear
lood	Type (counterba	lance, prop)	
	Release control	(internal, external)	Internal
runk	Type (counterba		Gas spring
id	!	control (elec., mech.,	
Hatch Dack lid	Type (counterba	control (elec, mech.	Gas spring
	Bar material & m		Mech. Polyurethane (2.09kg)
Bumper ront		naterial & mass (wt.)	Steel (10.9kg)
Sumper	Bar material & n	nass (wt.)	Polyurethane (2.68kg)
ear	Reinforcement r	naterial & mass (wt.)	Steel (11.0kg)
	w control (crank,	Front	None
riction, pivo	ot, power)	Rear	None
		Front	Spring
Seat cushio	n type	Rear	Urethane form
		3rd seat	Spring
Seat back t	vne	Rear	Urethane form
Jear Dack t	,,,,	3rd seat	-
Frame			
Type and de	escription (separa me, partially-unitiz		
Type and de unilized frai	escription (separa		
unilized frai	escription (separa		69.5 (°)
Type and de unitized fran Glass Backlight sle	escription (separa me, partially-unitiz	ed Irame)	
Type and de unitized fran Glass Backlight sle Windshield	escription (separa me, partially-unitiz ope angle (deg.) stope angle (deg.)	ed Irame)	. 69.5 (°)
Type and deunitized fram Glass Backlight sle Windshield Fumble-Hom Windshield	escription (separa me, partially-unitiz ope angle (deg.) stope angle (deg.)	H121	. 69.5 (°) 60 (°)
Type and de unitized fran Glass Backlight ste Windshield Fumble-Hom Windshield surface are	escription (separame, partially-unitized) ope angle (deg.) slope angle (deg.) ne (deg.) glass exposed a [cm²(in.²)] exposed surface	H121 H122 W122	. 69.5 (°) 60 (°) 30.5 (°)
Type and deunitized fran Glass Backlight ske Windshield Fumble-Hom Windshield surface are: Side glass earea [cm²(ii Backlight gl	escription (separame, partially-unitized) ope angle (deg.) slope angle (deg.) ne (deg.) glass exposed a [cm²(in.²)] exposed surface	H121 H122 W122 S1	. 69.5 (°) 60 (°) 30.5 (°) 7368 (1142)
Type and deunitized fran Glass Backlight sle Windshield Fumble-Hom Windshield surface area Side glass e area [cm²(ii Bačklight gl surface area	escription (separame, partially-unitized) ope angle (deg.) stope angle (deg.) ne (deg.) glass exposed a [cm²(in.²)] exposed surface n.²) ass exposed a [cm²(in.²)] exposed surface	H121 H122 W122 S1 S2	. 69.5 (°) 60 (°) 30.5 (°) 7368 (1142) 8740 (1350)
Type and deunitized franticed franti	escription (separame, partially-unitized) ope angle (deg.) stope angle (deg.) ne (deg.) glass exposed a [cm²(in.²)] exposed surface n.²) ass exposed a [cm²(in.²)] exposed surface	H121 H122 W122 S1 S2 S3	69.5 (°) 60 (°) 30.5 (°) 7368 (1142) 8740 (1350) 9350 (1450)
Type and deunitized franticed franti	escription (separame, partially-unitized) ope angle (deg.) slope angle (deg.) ne (deg.) glass exposed a [cm²(in.²)] exposed surface n.²)] ass exposed a [cm²(in.²)] exposed surface n.²)] glass (type)	H121 H122 W122 S1 S2 S3	69.5 (°) 60 (°) 30.5 (°) 7368 (1142) 8740 (1350) 9350 (1450) 25458 (3942)

Car Line	Starion			
Model Year _	1985	Issued 3-1-84	Revised (*)	

Car and Body Dimensions See Key Sheets for definitions

_	
Body	Type

SAE Ref. No.	G54B with Turbo (2.555 Liters)
140.	<u>†</u>

	Standard/ optional	Standard
Active restraint system	Type and description	Front:3 point seat belt with ELR; Rear:outboard:2 point seat belt with ALR Rear:center:2point seat belt with manual adjusting device
	Location	Front, Rear
Passive seat belts	Standard/ optional	N.A.
	Power/ manual	-
	2 or 3 point	<u>-</u>
	Knee bar/ lap belt	_

Car Line	Starion	_		
Model Year_	1985	Issued3-1-8	4 Revised (•)	

Body	Туре
------	------

G54B with Turbo (2.555 Liters)

Air conditionin auto, temp co		Opt.(auto or manual)		
Clock (digital,	analog)	Std. (digital)		
Compass / the	rmometer	N.A.		
Console (floor, overhead)		Std. (floor)		
Defroster, ele	: backlight	Std.		
	Diagnostic warning (integrated, individual)	Std. (partly integrated)		
	Instrument cluster (list instruments)	Opt. (speed, tacho, fuel, temp, trip-odo, volt, oilpress, turbo)		
	Keyless entry	N.A.		
Electronic	Tripminder (avg. spd., fuel)	Opt.		
	Voice alert (list items)	N.A.		
	Other			
- Fuel door lock	(remote, key, electric)	Std. (remote, key)		
	Auto head on / off delay, dimming	Std. (remote. key) N.A.		
	Cornering	N.A.		
	Courtesy (map, reading)	Std.		
	Door lock, ignition	Std.		
	Engine compartment	N.A.		
Lamps	Fog	1000		
	Glove compartment	Std.		
	Trunk			
	Other	360.		
	Day/night (auto. man.)	Std. (man)		
	L.H. (remote, power, heated)			
Airrors .	R. H. (convex, remote, power, heated)			
	Visor vanity (RH / LH, illuminated)			
arking brake	auto release (warning light)	RH/Std. LH/N.A. RH/Std.(illu.) LH/N.A. (NUL, RUL, NGL) (NXL, RXL)		
and a second	Door locks / deck lid - specity	Opt./N.A.		
Power	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Ope./ A.A.		
equipment	Side windows			
	Vent windows	N.A.		
	Rear window	N.A.		
Radio	Antenna (location, whip, w/shield, power)	Std. (power on rear quarter)		
ystems	AM, FM, stero, tape, CB	Std.(AM/FM Mpx.electronic auto tuning radio with cassete plyer)		
-	Speaker (number, location) Premium sound	Std.(4speakers-i/pnl.rear she(f),Opt. 8speakers-i/pnl doors she (
Roof open air/	fixed (flip-up, sliding, "T")	Opt. (flip-up)		
Speed control device		Std.		
Speed warning device (light, buzzer,etc.)		N. A.		
achometer (r		Std.		
Theft protection-type		Disk tumbler, key locks on ignition switch doors, fuellid luggage compartment & lockable Steering)		

Car LineS	tarion				
Model Year		Issued	3-1-1984	Revised (*)	

METRIC (U.S. Customary)

Car and Body 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 car line. SAE Ref. no, refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)
Width		
Tread (front)	W101	1395
Tread (rear)	W102	1400
Vehicle width	W103	1685 ((1695) with protector)
Body width at Sg RP (front)	W117	1630
Vehicle width (front doors open)	. W120	3745
Vehicle width (rear doors open)	W121	-
Length	. •	
Wheelbase	L101	2435
Vehicle length	L103	4400
Overhang (front)	L104	970
Overhang (rear)	L105	995
Upper structure length	L123	2600
Rear wheel C/L "X" coordinate	L127	2010
Cowl point "X" coordinate	L125	85
Height*		
Passenger distribution (frt./rear)	PD1,2,3	Front:2, Rear:3
Trunk/cargo load	· · ·	4070
Vehicle height	H101	1275
Cowl point to ground	H114	915
Deck point to ground	H138	895
Rocker panel-front to ground	H112	180
Bottom of door closed-front to grd.	H133	260
Rocker panel-rear to ground	H111	175
Bottom of door closed-rear to grd.	Н135	<u>-</u> ;
Ground Clearance*	·	•
Front bumper to ground	H102	350
Rear bumper to ground	H104	300
Bumper to ground (front at curb mass (wt.))	н103	355
Bumper to ground (rear at curb mass (wt.))	H105	370
Angle of approach (degrees)	H106	18°
Angle of departure (degrees)	H107	19°
Ramp breakover angle (degrees)	H147	12°
Rear axle differential to ground	H153	160
Min. running ground clearance	H156	115
Location of min. run. grd. clear.		Exhaust pipe ,

All linear dimensions are in millimeters (inches/mm); all mass (weight) specifications are in kilograms (pounds); and all angular dimensions in degrees.

^{*} All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form Passenger Car METRIC (U.S. Customary) Car and Body Dimensions See Key Sheets for definitions

Starion Model Year 1985 Issued 3-1-1984 Revised (•)

Body Type	SAE Ref. No.	G54B with Turbo (2.555 Liters)
Front Compartment		
Sg RP front, "X" coordinate	L31	995
Effective head room	H61	930
Max. eff. leg room (accelerator)	L34	1035
Sg RP (front to heel)	H30	215
Design H-point front travel	L17	180
Shoulder room	W3	1330
Hip room	W5	1350
Upper body opening to ground	H50	1190
Steering wheel angle	H18	
Back angle	L40	25°
Rear Compartment		
Sg RP Point couple distance	L50	605
Effective head room	H63	900
Min. effective leg room	L51	740
Sg RP (second to heel)	H31	250
Knee clearance	L48	0
Compartment room	L3	525
Shoulder room	W4	1300
Hip room	W6	1030
Upper body opening to ground	,H51	
Back angle	L41	25° (outboard) 28° (center)
Luggage Compartment	-	
Usable luggage capacity [L (cu. ft.)]	V1	
Liftover height	H195	
Interior Volumes (EPA Clas	sification)	
Vehicle class		Sub compact
Interior volume index (cu. ft.)	1	86.5 ft*
Trunk/cargo index (cu. ft.)	 	10.3 ft*

Car Line Starion Model Year 1985 _ Issued <u>3-1-1984</u> Revised (•) _

METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Body Type

;	SAE Ref. No.	G54B with Turbo (2.555 Liters)	-
L		<u></u>	

Stat	ION	wag	оп —	ınırg	Seat

Shoulder room	W85	-
Hip room	W86	-
Effective leg room	L86	_
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	<u>-</u>
Back angle	L88	**

Station Wagon - Cargo Space

Cargo length (open front)	L200	•
Cargo length (open second)	L201	<u> </u>
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	-
Max, 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 [m³(ft.³)]	V2	
Hidden cargo volume [m³(ft.³)]	V4	· <u>_</u>
Cargo volume, index-rear of 2-seat	V10	<u>-</u>

Hatchback -- Cargo Space

Front seat back to load floor height	H197	285	
Cargo length at front seat back height	L208	1250	
Cargo length at floor (front)	L209	1515	
Cargo volume index [m³(ft.³)]	V3	0.51	· · · · · · · · · · · · · · · · · · ·
Hidden cargo volume [m³(ft.3)]	V4		
Cargo volume index-rear of 2-seat	V11	-	

Aerodynamics*

Wheel lip to ground, front	-
Wheel lip to ground, rear	
Frontal area [m²(ft²)]	1.74 (18.77)
Drag coefficient (Cd)	0.35

^{*} Describe measurement method.

Car Line	Starion				
Model Year	1985	ssued	3-1-1984	Revised (*)	

Car and Body Dimensions See Key Sheets for definitions

Body Type	G54B with 1	Turbo (2.555 Liters)	
	<u></u>			

iducia Numbe	al Mark er*	Define Coordinate Location
		+ Z
ront		+ Y + X
		- X
		ZV ZV Z
ear		<u> </u>
iducia Jark Jumbe		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 bottom of the rocker panel.
umbe	W21	345 BL
	L54	0.35 TL
ont	H81	111 WL
	H161	295
···-	H163	
	W22	520
	L55	2965
	H82	291
ear		4.5.4
lear	H162	450

^{*} Reference — SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks — September, 1973. All linear dimensions are in millimeters (inches).

Car Line Star	rion			
	85 Issued	3-1-1984	Revised (*)	

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type

SAE Ref. No.	G54B with Turbo (2.555 Liters)

Lamps and H	eadlamp Shap	e"	
	Headlamp	Highest**	720
	(H127)	Lowest	-
Height above ground to	Taillamp	Highest**	725
center of bulb or marker (H128)	Lowest	720	
	Sidemarker	Front	595
Glosmarker	Rear	745	
	Headlamp	Inside	-
Headiamp	Outside**	560	
Distance from C/L of car to		Inside	415 565
center of bulb	Outside**	. 715	
		Front	570
	Directional	Rear	415 565
Headlamp shape	9		5.6 X 7.9 in rectangular unit

^{*} Measured at curb mass (weight).
** If single lamps are used enter here.

METRIC (U.S. Customary)

Car Line Starion		
	Issued 3-1-1984	_Revised (*)

•	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.) % PASS, MASS DISTRIBUTION							
Model	F	0	7 -4-1	Pass in Front Pass in Rear		Rear	SHIPPING MASS, kg.	
	Front	Rear	Total	Front	Rear	Front	Rear	(weight lb.)**
A187AMNULF	680				73			1237
A187AMNULH	(1499)	(1334)	(2833)	(139)	(161)	(209)	(240)	(2727)
A187AMRULF	694	613			73	95		1259
A187AMRULH	(1530)	(1351)	(2881)	(139)	(161)	(209)	(240)	(2776)
A 1 O TAMAIN I	725	<u> </u>	1205		7.0	0.5		
A187AMNXLF	715	610			73	95		1277
A187AMNXLH	(1576)	(1345)	(2921)	(139)	(161)	(209	(240)	(2815)
A 2 O 7 ANADYL F	700	C 2 C	1347	62	70	0.5		
A187AMRXLF	729			63	73		109	1299
A187AMRXLH	(1607)	(1302)	(2969)	(139)	(101)	(209)	(240)	(2864)
A187AMNGLF	717	610	1327	63	73	95	109	1279
A187AMNGLH	(1581)		(2926)			(209)	(240)	(2820)
ATOTAMINALIT	1 (1301)	(1373)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	(133)	(101)	(203)	(240)	1 60601
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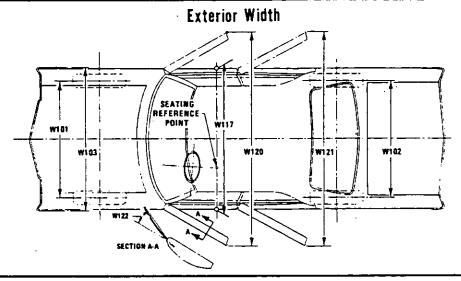
^{*} Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition — Curb weight minus fuel (48 kg)

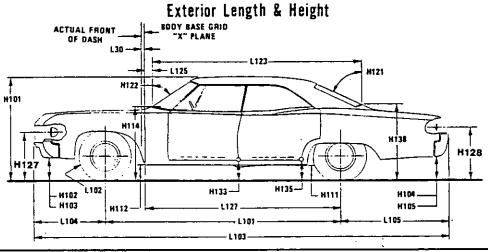
Car Line Starion		
Model Year 1985	Issued_3-1-1984	_Revised (•)

		Opt	tional Equip	ment Differential Mass (weight)*
Equipment	М	ASS. kg. (wei	ght, 1b.)	
	Front	Rear	Total	Remarks
Cruise control	2.6	-0.2	2.4	
	(5.7)	(-0.4)	(5.3)	
Air conditioning	26.4	-2.0	24.4	
	(58.2)	(-4.4)	(53.8)	
Full adust seats	3.3	5.7	9.0	
	(7.3)	(12.5)	(19.8)	
El. auto, tuning radio	1.15	0.45	1.6	
with casette plyer	(2.54)	(0.99)	(3.53)	
8 speakers	0.6	0.9	1.5	
Dirital anadametas	(1.3)	(2.0)	(3.3)	
Digital speedometer	0.1	0	0.1	
	(0.2)	(0)	(0.2)	
	 			
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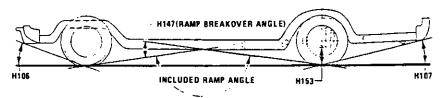
 $^{^{}ullet}$ Also see Engine — General Section for dressed engine mass (weight).

Exterior Car And Body Dimensions - Key Sheet





Exterior Ground Clearance



Interior Car And Body Dimensions – Key Sheet

BODY BASE GRID "X" PLANE H18 H30 L31 SEATING REFERENCE POINT

H76

L50

L48

H63

H51

SEATING
REFERINCE
POINT

Rear Compartment

Third Seat

H89

W85

W85

W86

W86

W87

L208

W205

W205

W204

W204

W204

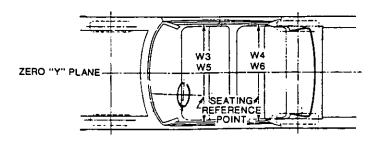
W204

W205

Hatchback

Station Wagon





METRIC (U.S. Customary)

Exterior Car 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, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

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 front 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 positions. 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 of the front door glass at the

Length Dimensions

front SgRP "X" plane.

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally 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.
- L102 TIRE SIZE. As specified by the manufacturer.
- 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 hooks 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 in the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- 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.
- H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, 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.
- ding flanges, to ground.

 H134 BOTTOM OF DOOR OPEN-REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum clossed position, to ground.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the 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.
- 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 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.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

- H102 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.
- H103 FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.
- H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.
- H105 REAR BUMPER TO GROUND CURB MASS (WT.).
 Measured in the same manner as H104.

METRIC (U.S. Customary)

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

- ANGLE OF APPROACH. The angle measured between a H106 line tangent to the front tire static loaded radius are 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 H107 a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear
- tire to ground. The limiting component shall be designated. REAR 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.
- H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

- PASSENGER DISTRIBUTION-FRONT.
- SgRP-FRONT "X" COORDINATED. L31
- EFFECTIVE HEAD ROOM-FRONT. The dimension mea-H61 sured along a line 8 deg, rear of vertical from the SqRPfront to the headlining plus 102 mm (4.0 in.). EFFECTIVE T-POINT HEAD ROOM-FRONT. The mini-
- H75 mum radius from the T-point to the headlining plus 762
- MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. 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.
- SgRP-FRONT TO HEEL. The dimension measured verti-H30 cally from the SgRP-front to the accelerator heel point.
- DESIGN H-POINT-FRONT TRAVEL. The dimension mea-L17 sured horizontally between the design H-point-front in the
- foremost and rearmost seat trace positions.

 SHOULDER ROOM—FRONT. The minimum dimension W3 measured laterally between the trimmed surfaces on the plane through the SgRP-front within the belt line and 254 mm (10.0 in.) above the SgRP-front.
- 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 (3.0 in.) above the SgRP-front and 76 mm (3.0 in.) fore and aft the SgRP-front.
- 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.
 STEERING WHEEL ANGLE. The angle measured from a
- H18 vertical to the surface plane of the steering wheel.

 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 rid-ing position specified by the manufactuer. BACK ANGLE-FRONT. The angle measured between a vertical line through the SgRP-front and the torso line. If L40 the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

- PD2 PASSENGER DISTRIBUTION-SECOND.
- L50 SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP-front to 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.).
- EFFECTIVE T-POINT HEAD ROOM-SECOND. Measured H76 in the same manner as H75.
- MINIMUM EFFECTIVE LEG ROOM-SECOND. The di-L51 mension measured along a line from the ankle pivot center
- to the SgRP-second plus 254 mm (10.0 in.). SgRP-SECOND TO HEEL. The dimension measured ver-H31 tically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
- L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.)
- COMPARTMENT ROOM-SECOND. The dimension mea-L3 sured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
- W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP-second within 254-406 mm (10.0-16.0 in.) above the SgRP-second.
- W6 HIP ROOM-SECOND. Measured in the same manner as W5.
- 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.
- L-41 Same as L-40.

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 proce-
- dure described in paragraph 8.2 of SAE-J1100a. LIFTOVER HEIGHT. The dimension measured vertically H195 from the luggage compartment lower opening at the zero "Y" plane to ground.

Interior Volumes (EPA Classification)

The Interior Volume 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 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

- PD3 PASSENGER DIRECTION-THIRD.
- SHOULDER ROOM-THIRD. Measured in the same man-W85 ner as W5.
- W86 HIP ROOM-THIRD. Measured in the same manner as W5. EFFECTIVE LEG ROOM-THIRD. The dimension mea-L86
- sured along a line from the ankle pivot center to the SgRPthird plus 254 mm (10.0 in.).
- EFFECTIVE HEAD ROOM-THIRD. The dimension, mea-H86 sured along a line 8 deg. from the SgRP-third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
- H89 EFFECTIVE T-POINT HEAD ROOM-THIRD. Measured in the same manner as H75.
- L-88 Same as L-40.

Station Wagon - Cargo Space Dimensions

CARGO LENGTH-OPEN-FRONT. The minimum dimen-L200 sion measured longitudinally from the back of the front

Interior Car And Body Dimensions – Key Sheet Dimensions Definitions

Station wagon - Cargo Space Dimensions (con't.)

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 on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

ventional 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 undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mov's at the zero "Y" plane.

mpv's at the zero "Y" plane.

L203 CARGO LENGTH-CLOSED-SECOND. The dimension 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.

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 back panel 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.

W201 CARGO WIDTH-WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

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

W204 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 box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 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.

H250 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.

V2 STATION WAGON Measured in inches:

$$\frac{\text{W4 x H201 x L204}}{1728} = \text{ft.}^3$$

Measured in mm:

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

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer. V10 STATION WAGON (REAR OF SECOND SEAT)
Measured in inches:

$$\frac{W4 \times H201 \times L205}{1728} = ft.^3$$

Measured in mm:

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 electrically adjusted seats, see the manufacturer's specifications for Design "H" Point).

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.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The vertical dimension from the horizontal tangent to top of seatback to undepressed floor covering at zero "Y" plane.

L208 CARGO LENGTH AT FRONT SEATBACK HÉIGHT. 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.

L209 CARGO LENGTH AT FLOOR—FRONT—HATCHBACK.
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.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT—HATCHBACK. The horizontal dimension from the "X" plane tangent to 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 "Y" plane.

L211 CARGO LENGTH AT FLOOR—HATCHBACK—SECOND.
The horizontal dimension 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.

V3 HATCHBACK

Measured in inches:

Measured in mm:

V11 HATCHBACK (REAR OF SECOND SEAT)
Measured in inches:

$$W4 \times H198 \times \frac{L210 + L211}{2} = ft.^{3}$$

Measured in mm:

$$\frac{\text{W4 x H198 x } \frac{\text{L210 + L211}}{2}}{10^9} = \text{litres}$$

Index

•	age No.
Aerodynamics Alternator Automatic Transmission Axis, Steering Axie, Rear Axie Shafts	16 9 14 10
BatteryBrakes-Parking, Service	16 12, 13
Camber	3
Cooling System	6
Transmission Rear Axle Car Models Car and Body Dimensions	9 10
Width Length Height Ground Clearance Front Compartment Rear Compartment Luggage Compartment Station Wagon - Third Seat Station Wagon - Cargo Space Hatchback - Cargo Space	20 20 20 21 21 21 22 22
Carburetor Caster Choke, Automatic Clutch — Pedal Operated Coil, Ignition Connecting Rods Convenience Equipment Cooling System Crankshaft Cylinders and Cylinder Head	2, 6
Diesel Information	27, 29
Electrical System Emission Controls Engine – General Bore, Stroke, Type Compression Ratio Displacement Firing Order, Cylinder Numbering General Information, Power & Torque Identification Number Location Power Teams Exhaust System Equipment Availability, Convenience	15, 16 7 3 2 3 2 3 17 17
Fan, Cooling Fiducial Marks Filters — Engine Oil, Fuel System Frame Front Suspension Front Wheel Drive Unit Fuel System Fuel Injection Fuel-Tank Generator and Regulator	23 4 17 10 6 6
Glass	17 21, 22
Heights - Car and Body	20 15
Ignition System Inflation - Tires Instruments	16

Subject	Page	No
Kingpin (Steering Axis)		
Lamps and Headlamp Shape		24
Legroom	21	1, 22
Lengths - Car and Body Leveling, Suspension		
Litters, Valve		
Linings - Clutch, Brake	8	3. 12
Lubrication - Transmission		8, 9
Luggage Compartment	*********	2
Mass	25	5, 26
Models		
Motor Starting		
Muffler		
Passenger Capacity		1
Passenger Mass Distribution		
Pistons		
Power Brakes		
Power Steering		
Power Teams		
Propeller Shaft, Universal Joints		10
Pumps - Fuel		
Water		
Radiator - Cap, Hoses		5
Ratios - Axle		
Compression		
Steering Transmission		14
Rear Axle	∠,	0, ;
Regulator - Generator		
Restraint System		
Rims		
Rods - Connecting		4
Seats		17
Shock Absorbers, Front & Rear		1
Spark Plugs		
Speedometer		
Springs - Front & Rear Suspension		
Stabilizer (Sway Bar) - Front & Rear		
Steering		
Suppression - Ignition, Radio		
Suspension - Front & Rear		
Tail Pipe		7
Theft Protection		
Thermostat, Cooling		
Tires		
Toe-in		
Torque Converter		
Transaxie		
Transmission - Types		
Transmission - Automatic	2,	8, 9
Transmission - Manual	2,	8, 9
Transmission - Ratios		2, 9
Tread	·•••	20
Trunk Cargo LoadTrunk Luggage Capacity	•••••••	·····
Turning Diameter		2
Unitized Construction		
Universal Joints, Propeller Shaft	***********	1:
· ·		
Valve System		
Vehicle Identification Number	***********	la
Water Pump		;
Weights	25), 21
Wheelbase		
Wheels & Tires		
Wheel Spindle		
Widths - Car and Body		20
Windshield		17
Windshield Winer and Washer		•15

1085 3_1_1094	Car LineS	tarion		
Model Veer 1900 Issued 3-1-1904 Deviced (a)	Model Year_		Issued 3-1-1984	_Revised (•)

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features; indicate if new or model year introduced)

BODY:

- Aerodynamic style body (Cd. 0.35)
- Anti-corrosion treatment
- Safety body structure

CHASSIS:

- Independent four wheel suspension with hi caster front suspension
- · Ventilated four wheel disc brake
- · Sporty power steering
- P215/60R15 low aspect ratio radial tire (option)

ENGINE:

 2.6 ECI turbo-charged engine with balancer shaft and MCA (Mitsubishi Clean Air) system

ELECTRICAL:

- Electronic automatic tunning radio (AM/FM MPX) with cassette player with 8 speaker system.
- · Power window
- Headlight washers
- Digital quartz clock
- · Digital speedometer

OTHER:

- · Air mix type dual by-level heater
- · Feel support seat
- · Retractable head light
- Aerodynamic wiper