MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1987

Manufacturer	Pontiac Motor Division General Motors Corporation	Car Line SUNBIRD		
Mailing Address	Chevrolet-Pontiac-Canada Group Engineering Center			
	General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060	tssued NOVEMBER, 1986	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.

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Motor Vehicle Manufacturers Association of the United States, Inc.

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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.

7)

- b. Nominal design dimensions are used throughout these specifications.
- c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
- 3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
- 4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

METRIC (U.S. Customary)

Car Line	<u>SUNBIRD</u>			
Model Year_	1987	Issued _	11-86	Revised (•)

Car Models

				
Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front:Rear)	Max, Trunk Cargo Load-Kilograms (Pounds)
FWD				
SUNBIRD				
4-DR N/B SEDAN		2J869	5 (2/3)	60 (132.3)
4-DR STATION WAGON		2JB35	5 (2/3)	40 (88.2)
SUNBIRD SE			•	·
2-DR N/B COUPE		2JD27	5 (2/3)	60 (132.3)
2-DR CONVERTIBLE		. 2JD67	5 (2/3)	60 (132.3)
3-DR H/B COUPE		2JD77	5 (2/3)	60 (132,3)
SUNBIRD GT				
2-DR N/B COUPE		2JU27	5 (2/3)	60 (132.3)
2-DR_CONVERTIBLE		2JU67	5 (2/3)	60 (132.3)
4-DR N/B SEDAN		2JU69	5 (2/3)	60 (132.3)
3-DR H/8 COUPE		2 <i>J</i> U77	5 (2/3)	60 (132.3)

Car Line	SUNBIRD			
Model Year	1987 Issued	11-86	_Revised (•)	

METRIC (U.S. Customary)

Power Teams (Indicate whether standard or optional)

SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25°(Ctand,29:61 in .: Hg/100 kPa;atmospheric;pressure.

SERIES AVAILABILITY	•		ENGINE					
	Displ. Liters ((in ³)	Carb. (Barrels.:	Compi Ratio	SAE Net Power kW (bhp)	Torque	h a u s t /D	TRANSMISSION/ TRANSAXLE	.AXLE RATIO ,(std.⋅first)
STANDARD SUNBIRD SUNBIRD SUNBIRD	2.OL (121) (121) L4 LT2	TBI	8.6:	. (96€ 4800	(118	(G)	5M 3A-125C (OP,T-IONAL)	3.45 3.43
OPTIONAL SUNBIRD GT		1	and the second s				5M 3A-125C (OP,TAIONAL)	3.45 3.43
STANDARD SUNBIRD GT	2.0L .(121) .L4 TURBO .L13	MPF I	10:8	(165 5600			'5M 3A-125C (OPT IONAL)	3.61 3.18
OPTIONAL SUNBIRD, SE					•		5M 3A-125C (OPTIONAL)	3.61

 Car Line
 SUNBIRD

 Model Year
 1987
 Issued
 11-86
 Revised (●)

METRIC (U.S. Customary)

Engine	Description/Carb.	
Engine	Code	

2.0L (121) L4 LT2 (ALL)

ENGINE-GENERAL

Type & description (inline, flat, location, front, mid, retransverse, longitudinal, sohv, hemi, wedge, pre-car	ar, ohc, dohc,	
	<u> </u>	INLINE, FRONT, TRANSVERSE
Manufacturer		BRAZIL & PONTIAC PLT 9
No. of cylinders		4
Bore		86 (3.39)
Stroke		86 (3,39)
Bore spacing (C / L to C / L		93.0 (3.66)
Cylinder block material & r		CAST IRON
Cylinder block deck height		216.0 (8.5)
Cylinder block length		418 (16.5)
Deck clearance (minimum (above or below block))	0.36 ABOVE (0.14 BELOW)
Cylinder head material & n	nass kg (lbs.)	ALUMINUM
Cylinder head volume (cm	3)	43,3
Cylinder liner material		None
Head gasket thickness (compressed)		1,25 (.049)
Minimum combustion char total volume (cm³)	mber	64.05
Cyl. no. system	L. Bank	1-2-3-4
(front to rear)*	R. Bank	
Firing order		1-3-4-2
ntake manifold material &	mass [kg (lbs.)]**	ALUMINUM
Exhaust manifold material	& mass [kg (lbs.)]**	CAST IRON
Recommended fuel (leaded, unleaded, diesel)		UNLEADED
Fuel antiknock index	R + M) 2	87
Total dressed engine mass	(wt) dry***	506.2 (229.6) AUTO *
Engine Pistons		532.9 (241.7) MANUAL *
Material & mass, g (weight, oz.) - piston only		CAST ALUMINUM ALLOY
Engine – Camshaf		310 ± 5 (10.9 ± .18)
Location		OVERHEAD CAMSHAFT
Material & mass kg (weight	lbs.)	HARDENED ALLOY CAST IRON
Drive type	Chain/bett	BELT .
	Width/pitch	20 (.74) x 9.525

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

^{**} Finished state.

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

^{*} WITH ACCESSORIES ADD 95.7 (+43.4)

Car Line	SUNBIRD	
Model Year	1987	Issued11-86 Revised (*)

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	Code

2.0L (121) L4 LT3 TURBO

ENGINE-GENERAL

		
Type & description (inline, V flat, location, front, mid, rear transverse, longitudinal, sof ohv, hemi, wedge, pre-camb	ic, dohc.	
onv, nemi, wedge, pre-cam	per, etc.)	INLINE, FRONT, TRANSVERSE
Manufacturer		BRAZIL & PONTIAC PLT 9
No. of cylinders 5		4
		86 (3,39
Stroke .		86 (3.39)
Bore spacing (C / L to C / L)		93.0 (3.66)
Cylinder block material & ma	ass kg (lbs.) (machined)	CAST IRON
Cylinder block deck height		216.0 (8.5)
Cylinder block length		418 (16.5)
Deck clearance (minimum)		
(above or below block)		O.36 ABOVE (O.14 BELOW)
Cylinder head material & ma	iss kg (lbs.)	ALUMINUM
Cylinder head volume (cm3)		43.3
Cylinder liner material		None
Head gasket thickness (compressed)		1.25 (.049)
Minimum combustion chamitotal volume (cm ³)	ber	64.05
Cyl. no. system	L. Bank	1-2-3-4
(front to rear)*	R. Bank	
Firing order		1-3-4-2
Intake manifold material & m	ass [kg (lbs.)]*	ALUMINUM
Exhaust manifold material &	mass [kg (lbs.)]**	CAST_IRON
Recommended fuel (leaded, unleaded, diesel)		UNLEADED
Fuel antiknock index (P	(+ M)	87
Total dressed engine mass (wt) drv***	506.2 (229.6) AUTO *
Engine – Pistons	<u> </u>	532.9 (241.7) MANUAL *
Material & mass a		CAST ALUMINUM ALLOY
Material & mass, g (weight, oz.) - piston only		$310 \pm 5 (10.9 \pm .18)$
Engine – Camshaft		
Location		OVERHEAD CAMSHAFT
Material & mass kg (weight,	lbs.)	HARDENED ALLOY CAST IRON
Drive type	Chain/belt	BELT
	Width/pitch	20 (.74) x 9.525

^{*}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:

^{*} WITH ACCESSORIES ADD 95.7 (+43.4)

Car Line	SUNBIRD				
Model Year	1987	_ issued	11-86	_ Revised (•)	

METRIC	C (U.S. Customary)	
Engine Cod	scription/Carb. de	2.0L (121) L4 LT2
Engine -	Valve System	
Hydraulic lift	ers (std., opt., NA)	STANDARD
	Number intake / exhaust	4/4
Valves	Head O.D. intake / exhaust	43 (1.69)/36.5 (1.44)
Engine -	Connecting Rods	
Material & m	ass [kg., (weight, lbs.)]*	CAST IRON
Engine -	Crankshaft	
Material & m	ass [kg., (weight, lbs.)]*	NODULAR CAST IRON 16.2 (35.71)
End thrust ta	ken by bearing (no.)	THREE
Number of m	ain bearings	FIVE
Seal (materia		ONE PIECE-VITON
piece design	etc.) Rear	ONE PIECE-VITON
Engine –	Lubrication System	
Normal oil pr	essure [kPa (psi) at engine rpm]	448 (65) @ 2500 RPM
Type oil intai	e (floating, stationary)	STATIONARY
Oil filter system (full flow, part, other)		FULL FLOW
Capacity of c	/case, less filter-refill-L (qt.)	3.5 (3.7)
Engine –	Diesel Information	
Diesel engine	manufacturer	NOT APPLICABLE
Glow plug, cu	rrent drain at 0°F	•
Injector	Туре	
nozzle	Opening pressure [kPa (psi)]	
Pre-chamber		
Fuel in- jection pump	Manufacturer	
	1,100	· · · · · · · · · · · · · · · · · · ·
	pump drive (belt, chain, gear) ry vacuum source (type)	
Fuel heater (
	tor, description	
Turbo manufa	icturer	
Oil cooler-typ oil to ambient	e (oil to engine coolant; air)	
Oil filter		
Engine –	Intake System	
Turbo charge	- manufacturer	
	r - manufacturer	

Charge cooler
*Finished State

Car Line	SUNBIRD		_	
Model Year	1987	Issued _	11-86	Revised (•)

Engine Description/Carb.		urh .	2.0L
Engine Co			(121) L4
			LT3-TURBO
Engine -	– Valve S	stem	
Hydraulic lit	iters (std., opt	, NA)	STANDARD
	Number is	ntake / exhaust	4/4
Valves	Head O.D	. intake / exhaust	43 (1.69)/36.5 (1.44)
Engine -	- Connec	ting Rods	
Material & r	mass [kg., (we	ight, lbs.)]*	CAST IRON
Engine	– Cranksł	aft	
Material & r	nass [kg., (we	ight, lbs.)]*	NODULAR CAST IRON 16.2 (35.71)
End thrust t	aken by beari	ng (no.)	THREE
Number of	main bearings		FIVE
Seal (mater	ial, one, two	Front	ONE PIECE-VITON
piece desig		Rear	ONE PIECE-VITON
Engine -	- Lubricat	tion System	
Normal, oil, p	ressure [kPa	(psi) at engine rpm]	448 (65) @ 2500 RPM
Type oil inta	ake (floating, s	tationery)	STAT-IONARY STAT-IONARY
Oil filter sys	tem (full flow,	part, other)	FULL FLOW
Capacity of	c/case, less fi	lter-refill-L (qt.)	3.5 (3.7)
Engine -	– Diesel lı	nformation	NOT APPLICABLE
Diesel engi	ne manufactur	er	
Glow plug,	current drain a	it O*F	•
Injector	Туре		
nozzle	Opening p	ressure [kPa (psi)]	
Pre-chambe	er design		
Fuel in-	Manufact	irer	
jection purn			
		(belt, chain, gear)	
	tary vacuum s	ource (type)	
Fuel heater			
Water sepa (std., opt.)	rator, descript	on	
Turbo manu	facturer		
Oil cooler-ty oil to ambier	rpe (oil to engi nt air)	ne coolant;	
Oil filter			
Engine -	- Intake S	ystem	
Turbo charg	er - manufact	urer	GARRETT
	jer - manufact		NONE
Charge cool			NONE

^{*}Finished State

METRIC (U.S. Customary)

Car Line	SUNBIRD		•		•
Model Year	1987	Issued	11-86	_ Revise	ed (•)

Engine	Description/Carb.
Engine	Code

2.OL (121) L4 LT2

Engine-	- Cooling System	
Coolantrec	overy system (std., opt., n.a.)	STANDARD
Coolant fill location (rad., bottle)		BOTTLE
Radiator ca	p relief valve pressure [kPa (psi)]	103.4 (15 PSI)
Circulation	Type (choke, bypass)	CHOKE
thermostat	Starts to open at °C (°F)	91°C (195°F)
	Type (centrifugal, other)	CENTRIFUGAL
	GPM 1000 pump rpm	8.45
	Number of pumps	ONE
Water	Drive (V-belt, other)	TOOTH BELT
pump	Bearing type	SEALED DOUBLE ROW
	Impeller material	CAST IRON
	Housing material	ALUMINUM
By-pass rec	irculation [type (inter,. ext.)]	EXTERNAL-THRU INTAKE MANIFOLD INTERNAL
Cooling	With heater-L(qt.)	7.4L (7.8)
system capacity	With air condL(qt.)	7.5L (7.9)
Capacity	Opt. equipment [specify-L(qt.)]	7.5L (7.9)
Water jacker	ts full length of cyl. (yes, no)	YES
	ound cylinder (yes, no)	YES
	s open at head face (yes, no)	YES
	Std., A/C, HD	
	Type (cross-flow, etc.)	STANDARD A/C CROSS FLOW
Radiator	Construction (fin & tube mechanical, braze, etc.)	HIGH EFFICIENCY RADIATOR
core	Material, mass [kg (wgt, lbs.)]	COPPER BRASS
	Width	500 (19.7) 600.0 (23.6)
	Height	387.5 (15.25) 387.5 (15.25)
	Thickness	25.0 (.98) 40.0 (1.58)
	Fins per inch	14.5 20.3
Radiator end	tank material	COPPER BRASS
·	Std., elec., opt.	ELECTRIC
	Number of blades & type (flex, solid, material)	STANDARD - 5 A/C - 7
	Diameter & projected width	STANDARD - 290 (11.4) A/C - 373 (14.7)
	Ratio (fan to crankshaft rev.)	NOT AVAILABLE
an	Fan cutout type	11 11
	Drive type (direct, remote)	ti ti
	APM at idle (elec.)	2200
	Motor rating (wattage) (elec.)	100 150
	Motor switch (type & location) (elec.)	ENGINE BLOCK
	Switch point (temp., pressure) (elec.)	110°C
	Fan shroud (material)	GLASS FILLED NYLON

Car Line	SUNB IRD				
Model Year	1987	_ issued	11-86	Revised (*)	

METRIC (U.S. Customary)

Engine Description/Carb.
Engine Code

2.OL (121) L4 LT3-TURBO

Engine-	- Cooling System	
Coolantrec	overy system (std., opt., n.a.)	STANDARD
Coolant fill I	ocation (rad., bottle)	BOTTLE OR THERMOSTATE HOUSING
Radiator ca	p relief valve pressure [kPa (psi)]	103.4 (15 PSI)
Circulation	Type (choke, bypass)	BY PASS
thermostat	Starts to open at °C (°F)	91°C (195°F)
•	Type (centrifugal, other)	CENTRIFUGAL
	GPM 1000 pump rpm	NOT AVAILABLE
	- Number of pumps	ONE
Water	Drive (V-belt, other)	CAM SHAFT DRIVE BELT
pump	Bearing type	SEALED BALL BEARING
	Impeller material	CAST IRON
	Housing material	ALUMINUM
By-pass rec	irculation [type (inter,. ext.)]	EXTERNAL-THRU INTAKE MANIFOLD INTERNAL
Cooling	With heater-L(qt.)	7.4L (7.8 QT)
system capacity	With air condL(qt.)	7.6L (8.0 OT)
	Opt. equipment [specify-L(qt.)]	7.6L (8.0 QT)
Water jacke	ts full length of cyl. (yes, no)	YES
Water all arc	ound cylinder (yes, no)	YES
Waterjacke	ts open at head face (yes, no)	YES
	Std., A/C, HD	STANDARD A/C
	Type (cross-flow, etc.)	CROSS FLOW
Radiator	Construction (fin & tube mechanical, braze, etc.)	HIGH EFFICIENCY RADIATOR
core	Material, mass [kg (wgt, lbs.)]	COPPER BRASS
	Width	500 (19.7) 600.0 (23.6)
	Height	387.5 (15.25) 387.5 (15.25)
	Thickness	25.0 (.98) 40.0 (1.58)
	Fins per inch	14.5 20.3
Radiator enc	tank material	COPPER BRASS
	Std., elec., opt.	ELECTRIC
	Number of blades & type (flex, solid, material)	STANDARD - 5 A/C - 7
	Diameter & projected width	STANDARD - 290 (11.4) A/C - 373 (14.7)
	Ratio (fan to crankshaft rev.)	NOT AVAILABLE
Fan	Fan cutout type	17 11
	Drive type (direct, remote)	ti li
	RPM at idle (elec.)	2200
	Motor rating (wattage) (elec.)	100 150
	Motor switch (type & location) (elec.)	ENGINE BLOCK
	Switch point (temp., pressure) (elec.)	110°C
	Fan shroud (material)	GLASS FILLED NYLON

Car Line	SUNBIRD			•	
Model Year	1987	Issued	11-86	Revised (*)	

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	Code

, 12.OL	_
(121) L4)	
LT2	

			LTZ			
Engine -	- Fuel System	n (See sun	plemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)			
			page to details of fuel injection, Supercharger, Furbocharger, etc. if used)			
induction typi injection sys	de: carburetor, fuel tem, etc.	l	FUEL THIRDYYOU			
Manufacture			FUEL INJECTION			
	Choke (type)		ROCHESTER			
Carbure-	100		NONE			
tor	Idle spdrpm (spec. neutral	Manua	AUTOMATICALLY ECM CONTROLLED NO-ADJUSTMENT			
	or drive and propane if	Automotiv	AUTOMATICALLY ECM CONTROLLED NO-ADJUSTMENT			
	used)	Automatic	AUTOMATICALLY ECM CONTROLLED NO-ADJUSTMENT			
dle A/F mix.	<u> </u>		AUTOMATICALLY ECM CONTROLLED NO-ADJUSTMENT			
WE AVE MIX.		- 1 >				
	Point of injectio		THROTTLE BODY			
Fuel injection	Constant, pulse		PULSE			
	Control (electro		ELECTRONIC			
	System pressur	e [kPa (psi)]	69 KPA (10 PSI)			
ntake manifo	old heat control (ex mostatic or fixed)	chaust				
	, , , , , , , , , , , , , , , , , , , 		WATER - FIXED			
Air cleaner	Standard		REPLACEABLE PAPER ELEMENT			
уре	Optional	.	NONE			
-uet	Type (elec. or mech.)		ELECTRICAL			
ump	Location (eng., tank)		TANK			
	Pressure range	[kPa (psi)]	NOT APPLICABLE			
Fuel Tani	K					
apacity [refil	i L (gallons)]		51 5 (17 4)			
ocation (des			51.5 (13.6)			
ttachment			FLOOR PLAN AREA - FRONT OF REAR AXLE			
faterial & Ma	iss (kg (weight lbs)	1	TWO STRAPS UNDER BODY STEEL			
iller	Location & mate					
ipe	Connection to ta		RIGHT REAR QUARTER PANEL, STEEL			
uel line (mat			HOSE			
Fuel hose (material)			STEEL (GM 124 - M)			
Return line (material)			GM 6163 - M FLASTOMER HOSE			
apor line (ma			STEEL (GM 124 - M)			
	Opt., n.a.		STEEL (GM 124 - M)			
xtended	Capacity (L. (gallo		NOT APPLICABLE			
ıng e ınk			II II			
}	Location & mater	181	11 11			
	Attachment		· II			

Auxiliary tank Capacity [L (gallons)]

Selector switch or valve

Location & material

Attachment

Separate fill

NOT APPLICABLE

11

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7.0

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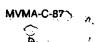
Car Line	SUNBIRD				
Model Year	1987	Issued	11-86	Revised	

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	1
Engine	Description/Carb
Engine	Code

12.OL (121) L4) LT3-TURBO

	: carburetor, fuel		
injection system, etc.			MULTI POINT
Manufacturer	 		BOSCH
Cashum	Choke (type)		NONE
Carbure- or	idle spdrpm (spec. neutral	Manual	
1	or drive and propane if	Automatic	
	nséq)	Adiomatic	
dle A/F mix.			
	Point of injection	n (no.)	4
	Constant, pulse		PULSE
Fuel injection	Control (electro		ELECTRONIC
	System pressur		
intako manifol	id neat control (ex		
or water them	nostatic or fixed)	viidna(
Air cleaner	Standard		
type	Optional		
F	Type (elec. or n	nech.)	ELECTRIC
Fuel pump	Location (eng., tank)		TANK
	Pressure range [kPa (psi)]		
	Pressure range	[kPa (psi)]	
Fuel Teek		[kPa (psi)]	
Fuel Tank		[kPa (psi)]	
	C	[kPa (psi)]	51.5 (13.6)
Fuel Tank Capacity [refill Location (desc	(L (galions)]	[kPa (psi)]	51.5 (13.6) FLOOR PLAN AREA - FRONT OF REAR AXLE
Capacity [refill Location (desc Attachment	(I L (gallons)) cribe)		· · · · · · · · · · · · · · · · · · ·
Capacity [refill Location (desc Attachment	(L (galions)]		FLOOR PLAN AREA – FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL
Capacity [refill Location (desc Attachment Material & Ma	(I L (gallons)) cribe))))	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL
Capacity [refill Location (desc Attachment Material & Ma Filler pipe	((gallons)) cribe) uss [kg (weight lbs Location & mate	i)) orial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (mate	t (gallons)] cribe) ss [kg (weight lbs Location & mate Connection to to	i)) orial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M)
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (material)	L (gallons)] cribe) ss [kg (weight lbs Location & mate Connection to treial)	i)) orial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (material hose (ma Return line (material material)	((gallons)] cribe) uss [kg (weight lbs Location & mate Connection to to erial) aterial)	i)) orial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M)
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (material hose (ma Return line (material material)	((gallons)) cribe) iss [kg (weight lbs Location & material) aterial) aterial)	i)) orial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M)
Capacity [refill Location (desc Attachment Material & Ma Filter pipe Fuel line (material hose (ma Return line (material hose)	(ss [kg (weight lbs Location & material) aterial) Opt., n.a.	s)) erial enk	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE
Capacity [refill Location (desc Attachment Material & Ma Filler Dipe Fuel line (material hose (m	cribe) Iss [kg (weight lbs Location & mate Connection to te erial) aterial) aterial) Opt., n.a. Capacity (£ (gal	s)} erial ank llons)}	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE ""
Capacity [refill Location (desc Attachment Material & Ma Filler Dipe Fuel line (material hose (m	cribe) Iss [kg (weight lbs Location & mate Connection to to erial) aterial) aterial) Opt., n.a. Capacity [£ (gal Location & mate	s)} erial ank llons)}	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (material hose (material hose (material hose (material hose)) Return line (material hose)	L (gallons)] cribe) Location & mate Connection to trenal) aterial) aterial) aterial) Opt., n.a. Capacity [£ (gallocation & mate Attachment	s)} erial ank llons)}	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """ """ """ """ """ """ """
Capacity [refill Location (desc Attachment Material & Ma Filler Dipe Fuel line (material hose (m	L (gallons)] cribe) Location & mate Connection to to erial) aterial) aterial) Opt., n.a. Capacity (£ (gall Location & mate Attachment Opt., n.a.	erial ank llons)}	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """ """ NOT APPLICABLE
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (mate Fuel hose (ma Return line (m Vapor line (ma Extended range tank	L (gallons)] cribe) Iss [kg (weight lbs Location & mate Connection to to erial) aterial) aterial) Opt., n.a. Capacity [£ (gal Location & mate Attachment Opt., n.a. Capacity [L (gal	orial Brial Brial Brial Brial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """ NOI APPLICABLE """
Capacity [refill Location (desc Attachment Material & Ma	cribe) Iss [kg (weight lbs Location & mate Connection to te erial) Interial) Interial) Opt., n.a. Capacity [L (gal Location & mate Attachment Opt., n.a. Capacity [L (gal Location & mate Attachment Opt., n.a. Capacity [L (gal Location & mate	orial Brial Brial Brial Brial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """ NOI APPLICABLE """ NOI APPLICABLE """ """ NOI APPLICABLE
Capacity [refill Location (desc Attachment Material & Ma Filler pipe Fuel line (mate Fuel hose (ma Return line (m Vapor line (ma Extended range tank	L (gallons)] cribe) Iss [kg (weight lbs Location & mate Connection to to erial) aterial) aterial) Opt., n.a. Capacity [£ (gal Location & mate Attachment Opt., n.a. Capacity [L (gal	s)) erial ank llons)) erial	FLOOR PLAN AREA - FRONT OF REAR AXLE TWO STRAPS UNDER BODY STEEL RIGHT REAR QUARTER PANEL, STEEL HOSE STEEL (GM 124 - M) GM 6163 - M FLASTOMER HOSE STEEL (GM 124 - M) STEEL (GM 124 - M) NOT APPLICABLE """ NOI APPLICABLE """



Car Line	<u>SUNBIRD</u>				-
Model Year	1987	_ Issued	11-86	Revise	d (•)

Engine	Description/Carb.
Engine	Code

2.OL					
(121)	L4				
1.12					

	Type (air in modificatio	njection, engine	
			ENGINE MODIFICATIONS
		Pump or pulse	NA
	Ata	Driven by	NA NA
	Air Injection	Air distribution (head, manifold, etc.)	NA .
		Point of entry	NA NA
Exhaust	Exhaust Gas	Type (controlled flow, open orifice, other)	BACK PRESSURE EGR
mission ontrol	Recircula-	Exhaust source	EXHAUST MANIFOLD
	tion	Point of exhaust injection (spacer, carburetor, manifold, other)	MANIFOLD
		Туре	SINGLE BED PELLET
		Number of	ONE
	Catalytic Converter	Location(s)	UNDERFLOOR
		Volume [L (in ³)]	2623.0 CM ³
		Substrate type	ALUMINA PELLET
·	Type (ventilates to atmosphere, induction system, other) Energy source (manifold vacuum, carburetor, other)		INDUCTION SYSTEM
rankcase mission			MANIFOLD VACUUM
ontrol	Discharges (to intake manifold, other)		INTAKE MANIFOLD
	Air inlet (bre	ather cap, other)	AIR CLEANER
apora- e	Vapor vente (crankcase,	d to Fuel tank	CANISTER
nission	canister, oth	er) Carburetor	
Control	Vapor storag		CANISTER
ectronic	Closed loop		YES
stem	Open loop (yes/no)		NO NO
ngine –	Exhaust S	System	
pe (single, al, other)	single with cro	ss-over,	TRI-FINW WITH MIAL TAIL PIOCE

Type (single dual, other)	e, single with cross-over,	TRI-FLOW WITH DUAL TAIL PIPES		
Muffler no. separate re	& type (reverse flow, straight thru, sonator) Material & Mass [kg (weight lbs)]	ONE, REVERSE FLOW		
Resonator	no. & type	NONE		
Exhaust	Branch o.d., wall thickness	NA		
pipe	Main o.d., wall thickness	44.5 O.D. x 1.09 (1.75 x .043)		
	Material & Mass [kg (weight lbs)]	STAINLESS STEEL GM 6125 - M		
Inter- mediate	o.d. & wall thickness	50.8 0.D. x 1.37 (2 0.D. x .054)		
pipe	Material & Mass [kg (weight lbs)]	ALUMINIZED STEEL TUBING GM 6178-M		
Tail pipe	o.d. & wall thickness	50.8 0.D. x 1.09 (2 0.D. x .043)		
	Material & Mass [kg (weight lbs)]	ALUMINUM COATED STEEL TUBING		

Car Line	SUNBIRD				
Model Year	1987	Issued	11-86	Revised (●)	

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	Code

2.OL (121) L4 LT3-TURBO

Vehicle	Emission	Control
---------	----------	---------

	Type (air in modification	jection, engine 18, other)	
	<u> </u>		ENGINE MODIFICATIONS
		Pump or pulse	NA NA
	Air	Driven by	NA NA
	Injection	Air distribution (head, manifold, etc.)	NA
		Point of entry .	NA NA
Exhaust	Exhaust Gas	Type (controlled flow, open orifice, other)	BACK PRESSURE EGR
Emission Control	Recircula-	Exhaust source	EXHAUST MANIFOLD
oo moi	tion	Point of exhaust injection (spacer, carburetor, manifold, other)	MANIFOLD
		Туре	SINGLE BED PELLET
		Number of	ONE
	Catalytic Converter	Location(s)	UNDERFLOOR
	1	Volume (L (in3))	2623.0 CM ³
_		Substrate type	ALUMINA PELLET
- · · · · · · · · · · · · · · · · · · ·	Type (ventilates to atmosphere, induction system, other)		INDUCTION SYSTEM
Orankcase Emission	Energy source (manifold vacuum, carburetor, other)		MANIFOLD VACUUM
Control	Discharges (to intake manifold, other)		INTAKE MANIFOLD
	Air inlet (bre	ather cap, other)	AIR CLEANER
vapora-	Vapor vente (crankcase.	d to Fuel tank	CANISTER
ve mission	canister, oth	er) Carburetor	
Control	Vapor stora	ge provision	CANISTER
lectronic	Closed loop	(yes/no)	YES
ystem	Open loop (yes/no)	NO

Engine - Exhaust System

Type (single, single with cross-over, dual, other) Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)] Resonator no. & type		TRI-FLOW WITH DUAL TAIL PIPES		
		DNE, REVERSE FLOW 8.13 (17.92) NONE		
Exhaust pipe	Main o.d., wall thickness	57.1 0.D. x 1.37 (2.25 x .054)		
	Material & Mass [kg (weight lbs)]	STAINLESS STEEL GM 6125-M 3.64 (8.03)		
Inter- mediate	o.d. & wall thickness	50.8 0.D. x 1.37 (2 0.D. x .054)		
pipe	Material & Mass [kg (weight lbs)]	ALUMINIZED STEEL TUBING CM 6178-M 3.64 (8.02)		
Tail	o.d. & wall thickness	50.8 O.D. x 1.09 (2 O.D. x .043)		
pipe	Material & Mass (kg (weight lbs))	ALUMINUM COATED STEEL TUBING		

Car Line	SUNBIRD					
Model Year	1987	Issued _	11-86	R	evised (•)	

METRI	C (U.S. C	ustomary)	
Engine De Engine Co	escription/Ca ede	arb.	2.OL (121) L4 LT2
Transmi	issions/T	ransaxie	
Manual 3-sp	peed (std., op	t., n.a.) (mfr.)	NOT AVAILABLE
			NOT AVAILABLE
			STANDARD ISUZU MK7
			NOT AVAILABLE
			OPTIONAL.
Automatic o	verdrive (std.,	opt., n.a.) (mfr.)	NOT AVAILABLE
Manual	Transmis	sion/Transaxle	
Number of f	orward speed	s	5
	In first		3,91
	In second		2.15
	in third		1.45
Engine Descr Engine Code Transmiss Manual 3-speed Manual 4-speed Manual 5-speed Manual overdry Automatic (std., Automatic overdry Automatic overdry Automatic overdry Fransmission ratios Synchronous me Shift lever locati Lubricant Clutch (Mai Make, type, enge (hydraulic, cable Assist (yes, no / Type pressure pi Total spring load No. of clutch driv M Clutch R Gering O Total Release O Total Release O Torsional M R Release O Torsional M R Release O Torsional M R R R R R R R R R R R R R R R R R R	In fourth		1.03
SION FAILUS	In fifth		.74
	In overdriv		NOT AVAILABLE
Synchronous			3.58
		ectly gears)	ALL FORWARD GEARS
O.M. ICVCI IO	Capacity [(nt))	FLOOR-CONSOLE
	Type recor		2.55 (5.38)
Lubricant		Summer	SAE 5W-30 ENGINE DIL SE, SF/CC OR SF/CD
	SAE vis- cosity	Winter	SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD
	number	Extreme cold	SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD
Clutch (A	Manual Tr	ansmission)	JAL 28-20 LINGING OIL SE, SE/CU DR SE/CU
Make, type,	engagement (
(riyoraulic, ca	able, rooj		DAIKIN, DRY SINGLE PLATE-HYDRAULIC
			ND
		95	BELLEVILLE SPRING (DIAPHRAGM)
			5394 (1213)
NO. OF CILICO			ONE
	Manufactur		NC80
	Part number		ASAHI
	Rivets/plate		94448076
Clutch	Rivet size		8
facing	Outside & i	nside dia.	4 mm
		ea [cm²(in.²)]	215 x 154 (8.5 x 6.1) 176 (27.3)
	Thickness		
	Engagemer method	nt cushion	3.5 (.14) PRESSURE PLATESIDE. 3.2 (.13) FLYWHEEL SIDE CUSHION SPRING
	Type & met of lubricatio	hod n	ANGULAR CONTACT - PRELUBED
	Method: spr friction mate	rings, erial	FOUR SPRINGS

Car Line	SUNBIRD				
Model Year	1987	Issued	11-86	Revised (•)	

Fngipe Dec	scription/Car	. .	2.OL				
Engine Cod		<u>.</u>	(121) L4				
			LT3-TURBO				
		<u> </u>					
Transmi	ssions/Tra	insaxle					
Manual 3-sp	eed (std., opt.,	n.a.) (mfr.)	NOT AVAILABLE				
Manual 4-sp	eed (std., opt.,	n.a.) (mfr.)	NOT AVAILABLE				
Manual 5-sp	eed (std., opt.,	n.a.) (mfr.)	STANDARD MUNCIE (GETRAG) (MG1)				
Manual over	drive (std., opt	., n.a.) (mfr.)	NOT AVAILABLE				
Automatic (s	itd., opt., n.a.)	(mfr.)	OPTIONAL				
Automatic or	verdrive (std., o	opt., n.a.) (mtr.)	NOT AVAILABLE				
Manual 1	Transmiss	ion/Transaxle					
Number of fo	orward speeds		5				
	In first		3,50				
	In second		2.19				
Transmis-	In third		1.38				
	In fourth		.94				
sion ratios	In fifth		.72				
	In overdrive	9	NOT AVAILABLE				
	In reverse		3.41				
'Sýnchronou	s meshing (sp	ecify gears)	ALL FORWARD GEARS				
Shift lever lo	cation		FLOOR-CONSOLE				
	Capacity [L	. (pt.)]	1.9 (4.0)				
1	Type recor	nmended	SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD				
Lubricant	SAE vis-	Summer	SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD				
	cosity	Winter	SAE SW-30 ENGINE OIL SE, SF/CC OR SF/CD				
		Extreme cold	SAE 5W-30 ENGINE OIL SE, SF/CC OR SF/CD				
Ciutch (Manual Tr	ansmission)					
Make, type,	engagement (describe) –	BORG WARNER AUTOMOTIVE				
(hydraulic, c			SINGLE DRY DISC-HYDRAULIC CONTROLS				
Assist (yes,	no / percent)		NO NO				
Type pressu	re plate spring	js	BELLEVILLE SPRING (DIAPHRAGM)				
Total spring	load [N (fb.)]		5540 (1245)				
No. of clutch	driven discs		ONE				
	Material		NON-ASBESTOS F-202				
•	Manufactu		VALEO				
	Part number	er	10054260				
	Rivets/plat	е	16				
Clutch facing	Rivet size		3.6 x 5.4 (.143 x .213)				
acing	Outside &		215.5 x 152.5 (8.48 x 6.00)				
	-	rea [cm²(in.²)]	183 (28.3)				
	Thickness		3.56 (.14) PRESSURE PLATE, 3.30 (.13) FLYWHEEL SIDE				
	Engageme method	nt cushion	DRIVEN PLATE CUSHION SPRING				
Release bearing	Type & me of lubrication	thod	PRELUBED AND SEALED, SELF CENTERING, ANGULAR CONTACT BALL BEARING				
Torsional damping	Method: so	orings, térial	COIL SPRINGS WITH METALLIC FRICTION WASHERS				
		·	with the state of the state				



Car LineSUNBIRD			•		
Model Year 1987	_ Issued _	11-86		evised (•)	

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	Code

2.0L	
(121) L4	
LT2	

Automatic Transmission/Transaxie

Trade name		TURBO HYDRAMATIC (THM 125C) (MD9)			
Type and sp	pecial features (describe)	3-SPEED WITH TORQUE CONVERTER			
Selector	Location	FLOOR			
	Ltr./No. designation	P-R-N-D-2-1			
	1st	2.84			
Gear	2nd	1.60			
ratios	3rd	1.00 CONVERTER CLUTCH ENGAGEMENT			
	4th	NONE			
	Reverse	2.07			
Max. upshift	speed - drive range [km/h (mph)]	114 (71)			
Max. kickdo	wn speed - drive range [km/h (mph)]	109 (68)			
Min. overdri	ve speed (km/h (mph))	NOT AVAILABLE			
	Number of elements	THREE			
Torque	Max. ratio at stall	2.38			
converter	Type of cooling (air, liquid)	LIQUID			
	Nominal diameter	245 (9.65)			
Lubricant	Capacity [refill L (pt.)]	7.2 (15) WITH COOLER AND CONVERTER LINES FULL			
	Type Recommended	DEXRON II			
Oil cooler (s external, air.	td., opt., NA, internal, liquid)	STANDARD - EXTERNAL, OIL TO ENGINE COOLANT			

Axle or Front Wheel Drive Unit

Type (front, rear)			FRONT		
Description					
Limited slip	Limited slip differential (type)		INTEGRAL W/TRANSMISSION NONE		
Drive pinion			NOT AVAILABLE		
Drive pinion	(type)		NOT AVAILABLE		
No. of differ	No. of differential pinions		TWO		
Pinion / diffe	erential adjustr	ment (shim, other)	NOT AVAILABLE		
Pinion / diffe	erential bearin	g adjustment (shim, other)	NOT AVAILABLE		
Driving whe	el bearing (typ	e)	INTEGRAL DOUBLE ROW BALL BEARING		
	Capacity (L	. (pt.)]	NOT AVAILABLE		
	Type recor	mmended	ATF DEXTRON LI		
Lubricant	SAE vis-	Summer	,		
	cosity number	Winter			
	, idinibei	Extreme cold			

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

Axle ratio (or overall top gear ratio)	2.84	2,84	
No. of	Pinion	33	33	
teeth	Ring gear or gear	37	37	
Ring gear o.d.		NONE	NONE	
Transaxle	Transfer gear ratio	1.0	1.0	· · · · · · · · · · · · · · · · · · ·
	Final drive ratio	3.18	3.43	

METRIC (U.S. Customary)

Engine	Description/Carb
Engine	Code

2.OL		
(121) L4		į
LT3-TURBO		

Automatic Transmission/Transaxle

Trade name		TURBO HYDRAMATIC (THM 125C) (MD9)	
Type and s	pecial features (describe)	3-SPEED WITH TORQUE CONVERTER	
Selector	Location	FLOOR	
	Ltr./No. designation	P-R-N-D-2-1	
	1 st	2.84	
Gear ratios	2nd	1,60	
	3rd i	1,00 CONVERTER CLUTCH ENGAGEMENT	
	-4th	NONE	····
	Reverse	2,07	
Max. upshif	t speed - drive:range [km/h (mph)]	114 (71)	
Max. kickdo	wn speed - drive range [km/h.(mph)]	109 (68)	
Min. overdri	ve speed:[km/h:(mph)]	NOT AVAILABLE	
	Number of elements	THREE	
Torque	Max.:ratio at stall	2.08	
converter	Type of cooling:(air, fliquid)	LIQUID	
	Nominal diameter	245 (9.65)	
Lubricant	Capacity:[refill:L:(pt.)]	7-2 (15) WITH COOLER AND CONVERTER LINES FULL	
	Type Recommended	DEXRON II	
Oil cooler (s external, air	std., opt., NA, internal, , liquid)	STANDARD - EXTERNAL, OIL TO ENGINE CODLANT	

Axle or Front Wheel Drive Unit

Type (front, rear)			FRONT
Description			INTEGRAL W/TRANSMISSION
Limited slip	differential (ty:	De)	NONE
Drive pinion	offset	;	NOT AVAILABLE
Drive pinion (type)			NOT AVAILABLE
No. of differential pinions		,	TWO
Pinion / differential adjustment (shim, other)		ment (shim, other)	NOT AVAILABLE
Pinion / diffe	erential bearin	g adjustment (shim, other)	NOT AVAILABLE
Driving whe	el bearing:(typ	e)	INTEGRAL DOUBLE ROW BALL BEARING
	Capacity:[L (pt.)] ; Type recommended		NOT AVAILABLE
			ATF DEXTRON II
Lubricant	SAE vis-	:Summer	
	cosity	'Winter	
	, and the	Extreme.cold	_

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

Axle:ratio (c	r overall top gear ratio)	2.84	
No. of teeth	Pinion	33	<u> </u>
	Ring:gear.or.gear	37	
Ring gear o	d.	NONE	
Transaxle	Transfer gear ratio	1.0	
	.Final drive ratio	3.18	

 Car Line
 SUNB IRD

 Model Year
 1987
 Issued
 11-86
 Revised (●)

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	

2.OL		·	
(121) L4			
LT2			

Axle Shafts - Front Wheel Drive

Manufactur	er and number	used		SAGINAW TWO
Type (straight, solid bar, tubular, etc.) Left Right		Left	STRAIGHT, SOLID BAR	
		Right	STRAIGHT, SOLID BAR	
	Manual transmission		Left	23.9 x 320.0 (0.94 x 12.59 in.)
Outer			Right	23.9 x 663.0 (0.94 x 26.22 in.)
liam. x ength* x	Automatic tr	ansmission	Left	23.9 x 311.0 (0.94 x 12.24 in.)
vall hickness			Right	23.9 x 364.3 (0.94 x 14.34 in.)
ilicanie 33	Optional trai	nsmission	Left	
			Right	
Slip yoke	Туре			NONE
	Number of teeth			NONE .
	Spline o.d.	Spline o.d.		NONE
	Make and m	Make and mfg. no.		SAGINAW
				SAGINAW
	Number use	Number used		TWO ON EACH DRIVE SHAFT
	Type, size, p	Type, size, plunge		TRIPOT, 66.0 PLUNGE 61
				RZEPPA - FIXED
Iniversal	Attach (u-bo	lt, clamp, etc.)		RETAINING RING
oints		Type (plair	ո,	BALL & ROLLER (INNER)
	Danie.	anti-friction	1)	BALL (OUTER)
	Bearing Lubrication (fitting, prep			PREPACKED
Prive taken i	through (torque ngs)	tube,		WISHBONE LOWER CONTROL ARM, UPPER MacPHERSON STRUT
orque takei irms or sprii	n through (torqu	e tube,		ENGINE MOUNTING SYSTEM

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

Car Line	SUNBIRD			,	
Model Year	1987	_ Issued	11-86	Revised (•)	

METRIC (U.S. Customary)

Engine	Description/Carb.
Engine	Code

2.0L	
(121) L4	
LT3-TURBO	

Axle Shafts - Front Wheel Drive

Manufacture	er and number u	ised		SAGINAW TWO		
Type (straig	ype (straight, solid bar,		Left	STRAIGHT, SOLID BAR		
tubular, etc.)		Right	STRAIGHT, SOLID BAR			
	Manual transmission		Left	27.2 x 313.0 (1.07 x 12.32 in.)		
Outer			Right	27.2 x 418.0 (1.07 x 16.46 in.)		
diam. x length* x	Automatic tra	ansmission	Left	23.9 x 302.0 (0.94 x 11.89 in.)		
wall thickness			Right	23.9 x 364.3 (0.94 x 14.34 in.)		
mickness	Optional tran	nsmission	Left			
			Right			
	Туре			NONE		
Slip yoke	Number of te	Number of teeth		NONE		
	Spline o.d.			NONE		
	Make and m	fo no	Inner	SAGINAW		
		- J	Outer	SAGINAW		
	Number use	đ		TWO ON EACH DRIVE SHAFT		
	Type, size, p	lunge	Inner	TRIPOT, 66.0 PLUNGE 61		
			Outer	RZEPPA - FIXED		
Universal	Attach (u-bo	lt, clamp, etc.)		RETAINING RING		
joints		Type (plain,		BALL & ROLLER (INNER)		
		anti-friction)		BALL (OUTER)		
	Bearing Lubrication (fitting, pre		ack)	PREPACK		
Drive taken arms or spri	through (torque ings)	tube,		WISHBONE LOWER CONTROL ARM, UPPER MacPHERSON STRUT		
Torque take arms or spri	en through (torquings)	ie tube.		ENGINE MOUNTING SYSTEM		

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

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Car Line	SUNBIRD		•			
Model Year	1987	Issued _	11-86	Rev	rised (•)	

	pe And/Or Hsplacement	SUNBIRD & SE	"GT"			
Suspe	nsion – General					
Car	Std./opt./n.a.	NOT AND TO SEE THE SECOND SECO				
Car Std./opt./n.a. leveling Type (air, hyd., etc.)		NOT AV	AILABLE			
	Manual/auto. controlled	"	11			
Provision	or brake dip control		NSION GEOMETRY			
Provision	or acci. squat control		ISION GEOMETRY			
Provisions	for car jacking					
Charle	Туре		AT ROCKER PANELS			
Shock absorber	Make		REAR: DOUBLE-ACTING, HYDRAULIC			
(front & rear)	Piston diameter		DELCO			
	Rod diameter	32mm (1.2) FRT. 25mm (1.0) Rr. 25mm (1.0)	35mm (1.4) FRT., 25mm (1.0) R			
Suspen	sion – Front	ZANIA (1.0)	25mm (1.0)			
Type and d	· · · · · · · · · · · · · · · · · · ·					
Travel	Full jounce	MacPHERSON STRUT DESIGN				
ravei	Full rebound	92. Omm (3.62) FROM DESIGN				
	Type (coil, leaf, other) & material	86. Qnm (3.39) FRQM DESIGN				
	Insulators (type & material)	COIL, STEEL				
Spring	Size (coil design height & i.d., bar length x dia.)	RUBBER 406.6x139.0x2932x12.9mm (160)	CUSHION (5.47x115.4x.5) BASE SPRING *			
	Spring rate [N/mm (fb./in.)]	16.0 (91.0)	26.0 (177.0)			
	Rate at wheel [N/mm (lb./in.)]	15.3 (87.4)	24.0 (137.0) 22.9 (131.0)			
Stabilizer	Type (link, linkless, frameless)	LINK				
	Material & bar diameter	STEEL - 24.0mm (0.94)	STEEL 28.0mm (1.10)			
Suspen	sion – Rear	1	3,222 20.0mm (1.10)			
Type and de	scription					
	Tam	COMPOUND CRANK	TWIST ANGLE			
Travel	Full jounce	NOT AVA				
	Full rebound	137.Omm (3.39				
	Type (coil, leaf, other) & material	68.0mm (2.68)				
	Size (length x width, coil design height & i.d., bar length & dia.)	COIL, CONICAL, STEEL SAE 5160				
Spring	Spring rate [N/mm (lb./in.)]	290.0x105.0x2626.0x13.6mm (11.42x4.13x103.4x0.54) BASE SPRING * VARIABLE (CURB/FULL RATED LOAD) 23.0/39.0 (131.0/222.0)				
	Rate at wheel [N/mm (lb./in.))	VARIABLE (CURB/FULL RATED L	OAD) 23.0/39.0 (131.0/222.0)			
	Insulators (type & material)	VARIABLE (CURB/FULL RATED L				
	If No. of leaves	RUBBER				
	leaf Shackle (comp. or tens.)					
tabilizer	Type (link, linkless, frameless)	LINK	LINK			
			LINA			
	Material & bardiameter	19mm (.075)W/P195/70 TIRES	21mm (0.83 *			

METRIC (U.S. Customary)

Car Line	SUNBIRD				·-·
Model Year	1987	Issued	11-86	Revised (●)	

Body	Type	And/Or	
Engin	e Dis	placem	en:

ALL

Brakes - Service

Brakes -	Servi	ce	·					
Description					SINGLE CALIPER DISC FRONT, DUO SERVO DRUM REAR			
Manufacturer and brake type (std., opt., n.a.) Front (disc or drum) Rear (disc or drum)		m)	DISC					
		m)	DRUM					
Self-adjustin	g (std., o	pt., n.a.)			STANDARD			
Special valving	Туре	(proportion	, delay, metering, ot	her)	INTEGRAL PROPORTIONING, DIAGONAL SPLIT CIRCUIT			
Power brake	e (std., op	t., n.a.)			STANDARD			
Booster type	(remote	, integral, v	ac., hyd., etc.)		200 TANDEM DELCO.MORAINE (VACUUM SUSPENDED)			
Vacuum sou	ırce (inliл	e, pump, e	tc.)		NOT AVAILABLE			
Vacuum res	ervoir (vo	olume in.3)			11 11			
Vacuum pur if other so st		elec, gear	driven, belt driven,		19 34			
Anti-lock de	vice type	(std., opt.,	n.a.) (F/R)		NONE			
Effective are	a [cm²(ir	ı.²)]*			309.0 (47.90)			
Gross lining	area (cm	²(in.²)]**(F	/R)		381.0 (59.1)			
Swept area	[cm²(in.²))]***(F/R)			1624.0 (251.8)			
	Outer	working dia	ameter	F/R	F/247.0mm (9.72)			
Rotor	Rotor Inner work		ting diameter F/I		F/147.0mm (5.80)			
	Thick	Thickness F/R			22.4 (0.88)			
	Mater	rial & type (vented/solid) F/R		F/R	F/CAST IRON VENTED			
Drum	Diame	eter & widtl	1	F/R	R/200.0 x 45.0mm (7.87 x 1.77)			
	Туре	and materi	al	F/R	CAST IRON - NON FINNED			
Wheel cylino	der bore				F/57.0mm (2.24); R/16.0mm (0.63) EXC. WAGON; 17.5mm (0.69) WAGON			
Master cylin	der	Bore/stro	oke	F/R	BORE: 22.2mm (0.866); STROKE: 31.8mm (1.25)			
Pedal arc ra	tio				3,9:1			
Line pressur	e at 445	N(100 lb.)	pedal load [kPa (psi)]	NUT AVAILABLE			
Lining clears	ance			F/R	F/R SELF-ADJUSTING			
		Bonded	or riveted (rivets/seg	J.)	BONDED OUTBOARD; RIVETED INBOARD			
	1	Rivet siz	е		7.92 x 5.33mm (0.31 x 0.21)			
		Manufac	turer		DELCO MORAINE			
	Front	Lining co	ode****		121 EE			
	wheel	TVICE COLOR		· · · · · · · · · · · · · · · · · · ·	SIMI-METALLIC			
	1 6	F	rimary or out-board		116.7x54.7x10.92mm (4.594x2.157x0.430)			
	, ,	Size S	Secondary or in-boar	ď	125.0x59.0x10.2mm (4.92x2.32x0.4)			
Brake			ckness (no lining)		INBOARD 4.72mm; OUTBOARD 31.4mm (IB 0.186mm; OB 0.123mm)			
lining		Bonded	or riveted (rivets/seg	1-)	RIVETED			
	Rear	Manufac			INLAND			
	wheel	Lining C	ode****		235 FE			
		Material		<u>. </u>	SEMI_METALLIC			
			rimary or out-board		167.7x43.9x3.8mm (6.60x1.73x0.15)			
		Size S	Secondary or in-boar	đ	167,7x43,9x4,81mm (6,60x1,73x0,19)			
	1	Shoe thic	ckness (no lining)		2.75mm (.11)			

^{*}Excludes rivet holes,grooves, chamfers, etc.

[&]quot;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 or formulation designation and coefficient of friction classification.

SUNBIRD Car Line 1987 11-86 Model Year_ Issued . Revised (•)

Body Type And/Or Engine Displacement			SUNBIRD & SE GT MODELS				
Tires And	d Wheels (Sta	ndard)					
	Size (load range,	ply)	P175/80R13	P215/60R14			
	Type (bias, radia	l, etc.)	· · · · · · · · · · · · · · · · · · ·	L-BELTED RADIAL			
Tires Inflation pr sure (cold) recommen max. vehic load	Inflation pres- sure (cold) for recommended	Front [kPa (psi)]	240 (35)	207 (30)			
	max. vehicle load	Rear [kPa (psi)]	240 (35)	207 (30)			
	Rev./mile-at 70 l	m/h (45 mph)	893				
	Type & material		DISC STEEL	CAST ALUMINUM			
	Rim (size & flang	e type)	13" x 5" JB	14" x 6" JJ			
Wheels	Wheel offset		48 mm	47 mm			
		Type (bolt or stud)		STUD			
Attachment		Circle diameter	100.0 mm (3.94)				
		Number & size		TS 5-M12 x 1.5			
Spare	Tire and wheel (same, if other describe)		14" x 4" COMPACT WHEEL P115/				
Storage position & location (describe)		& location	FLAT. AT REAR-UNDER FLOOR				
Tires An	d Wheels (Op	tional)	-				
Size (load ra	nge, ply)		P195/70R13 (REQUIRED W/HANDL	ING PACKAGE Y99)			
Type (bias, r.			STEEL-BELTED RADIAL				
Wheel (type			DISC, STEEL				
Rim (size, fla	inge type and offset)	13" x 5" JJ				
Size (load ra	nge, ply)		P215/60 R14 (EXC. BASE SEDAN/WAGON) (REQUIRED W/LT3 TURBO)				
Type (bias, r	adial, etc.)		STEEL-BELTED RADIAL				
Wheel (type	& material)		DISC STEEL				
Rim (size, fla	inge type and offset)	14" x 6" JJ				
Size (load ra				- , , , , , , , , , , , , , , , , , , ,			
Type (bias, r	adiał, etc.)						
Wheel (type	& material)		ALUMINUM, SPORT TECH				
Rim (size, fla	inge type and offset)	13 1/2" x 5 1/2 JB				
Size (load ra	nge, ply)			· · · · · · · · · · · · · · · · · · ·			
Type (bias, r	adial, etc.)						
Wheel (type	& material)		ALUMINUM, HI-TECH (EXC 35/69)			
Rim (size, fla	inge type and offset)	14" x 6" JJ (47 mm)				
Spare tire an	d wheel						
road tire or optional sp	ation is different that wheel, describe are tire and/or whee storage position	i					
Brakes –	Parking						
Type of contr	rol		u	AND 1 FVFR			
Location of c			HAND LEVER BETWEEN FRONT SEATS				
Operates on				SERVICE BRAKES			
	Type (internal or	external)	REAR	OCKTIOL DAMKES			
f separate	Drum diameter			·····			
rom service brakes	Lining size (lengt	h W					
714709							

Drum diameter Lining size (length x width x thickness)

Car Line	SUNBIRD				
Model Year_	1987	issued _	11-86	Revised (•)	

Body Type And/Or Engine Displacement	SUNBIRD	SE	GT
i			

Manual (std., opt., n.a.) STANDARD (EXCEPT CONVERTIBLE AND GT)				STANDARD (EXCEPT CONVERTIBLE AND GT)					
Power (std.,	opt., n.a.)			OPTIONAL (STANDARD CONVERTIBLE AND GT) STANDARD					
Adjustable		Туре		FILT					
Aujustable steering wheel/column (tilt, telescope, other) Manufacturer (Std., opt., n.a.)		er	OPT I ONAL						
		.a.)	375.0 mm (14.8 in.)						
Wheel diame		Manual		375.0 mm (14.8 in.)					
(W9) SAE J1100		Power		NOT AVAILABLE					
Outside		Wall to wall	(l. & r.)	10.5 mm (35.1 ft.)					
Turning	front	Curb to curt	(l. & r.)	NOT AVAILABLE					
diameter m (ft.)	Inside	Wall to wall	(l. & r.)	11 11					
	rear	Curb to curb	(l. & r.)	11 11					
Scrub Radiu	5*			RACK AND PINION					
		Туре		SAGINAW STEERING GEAR					
Gear	Gear	Manufacturer							
Manual	1	Ratios	Gear	22:1					
		Hallos	Overall	4.04					
	No. wheel turns (stop to stop)			RACK AND PINION W/INTEGRAL POWER UNIT					
Туре (Type (coaxial, linkage, etc.)		SAGINAW STEERING GEAR					
	Manufact	Manufacturer		RACK AND PINION					
0	Туре			NOT AVAILABLE					
Power	Gear	r Ratios Gear							
			Overall	16:1 (OPTIONAL 14:1 W/Y99 OR WS6)					
	Pump (dri	ve)		BELT OFF ENGINE CRANKSHAFT PULLEY					
	No. whee	turns (stop to	stop)	2.88 (2.50 OPTIONAL RATIO)					
	Туре			RACK AND PINION					
Linkage	Location (of wheels	front or rear , other)		REAR					
	Tie rods (one or two)		+ TWO TIE RODS					
	 	at camber (de	eg.)	13.50					
Steering		Upper		BALL BEARING					
axis	Bearings	Lower		BALL JOINT					
	(type)	Thrust		NOT AVAILABLE					
Steering spin	dle & joint ty	pe		MACPHERSON STRUT W/LOWER BALL JOINT					
	V	Inner bearing	,	NOT AVAILABLE					
Wheel	Diameter	Outer bearing	g	II II					
spindle/hub	Thread (si			M20 x 1.5					
	Bearing (type)			MZU X 1.5 INTEGRAL DOUBLE ROW BALL, PERMANENTLY LUBRICATED					

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

[&]quot;See Page 21.

METRIC (U.S. Customary)

Car Line	SUNBIRD		-	•	
Model Year_	1987	_ Issued	11-86	Revised (•)	

Dody T	y pe	And	Or
Engine	Dis	place	ement

SUNBIRD & SE GT

Wheel Alignment

	Service	Caster (deg.)	+D.7° TO +2.7°
	checking	Camber (deg.)	+0.2° 70 +1.5°
Front wheel at curb mass (wt.)		Toe-in [outside track-mm (in.)]	0.13° TOE-OUT + 0.10° PER WHEEL
	Service	Caster	+0.7° TO 2.7°
	reset*	Camber	+0.2° 70 1.5°
		Toe-in	+0.13° TOE-DUT + 0.10° PER WHEEL
	Periodic M V in- spection	Caster	+0.7° TO 2.7°
		Camber	+0.2° TO 1.5°
<u> </u>		Toe-in	0.13° TOE-OUT + 0.10° PER WHEEL
	Service	Camber (deg.)	-0.25°
lear	checking	Toe-in [outside track-mm (in.)]	0.125° TOE-IN
vheel at lurb mass	Service	Camber	-0.25°
(wi.)	resel"	Toe-in	0.125° TOE-IN
	Periodic M V in-	Camber	-0.25°
	spection	Toe-in	0.125° TOE-IN

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

Electrical - Instruments and Equipment

Speed-	Туре	ELECTRONIC-CIRCULAR DIAL W/POINTER, MP	H HIGHLIGHTED			
ometer	Trip odometer (std. opt. n.a.)	STANDARD				
EGR mainten	ance indicator	NOT AVAILABLE	···			
Charge	Туре	OPTIONAL GAGES AVAILABLE	GAGE STANDARD			
Indicator	Warning device	TELLTALE	NOT AVAILABLE			
Temperature	Туре	CAGE				
indicator	Warning device	NOT AVAILABLE				
Oil pressure	Туре	OPTIONAL GAGES AVAILABLE	GAGE STANDARD			
indicator	Warning device	TELLTALE	NOT AVAILABLE			
Fuel	Туре	ELECTRIC GAGE				
indicator	Warning device	NOT AVAILABLE				
	Type (standard)	ELECTRIC 2-SPEED				
Wind- shield	Type (optional)	CONTROLLED CYCLE WIPER SYSTEM				
m,bei	Blade length	430.0 (16.0)				
·	Swept area [cm²(in²)]	COUPES 4900.0 (759.7); SEDANS, STATION WAGONS 4937.0 (765.4)				
Wind-	Type (standard)	FLUIDIC				
shield washer	Type (optional)	NOT AVAILABLE				
	Fluid level indicator	NOT AVAILABLE				
Rear wind	low wiper, wiper/washer (std., opt., n.a.)					
Horn	Туре	ELECTRIC VIBRATOR				
Number used		1 (2 W/OPTIONAL DUAL HORNS)				
Other		TACHOMETER WITH OPTIONAL RALLY				
		INSTRUMENTATION.	TACHOMETER STANDARI			
	Ţ	TURBO BOOST GAGE INCLUDED	TURBO BOOST			
		WITHLTS TURBO ENGINE.	GAGE STANDARD			

Car Line	SUNBIRD					
Model Year	1987	Issued	11-86	. Revised (•)		

	(0.00 0 .	,,	•
Engine Description/Carb. Engine Code			2.OL L4 LT:
Electrica	i – Suppi	y System	
	Manufactu	rer	DELCO REMY
	Model, std., (opt.)		1981601
	Voltage		12V
Battery	Amps at 0	F cold crank	630 CCA
Danory	Minutes-re	serve capacity	90 RD
	Amp/hrs	20 hr. rate	54 AH
	Location		UNDERHOOD FRONT
	Manufactu	rer	DELCO REMY
Alternator	Rating	*	1101144/85 ANPS OR 1101145/100 AMPS
Alternator	Ratio (alt. i	crank/rev.)	2.42:1
	Optional (f	ype & rating)	NONE
Regulator	Туре		INTEGRAL TO ALTERNATOR
Electrical	- Startir	ng System	
Start, motor	Current dra	ain at 0°F	1998529/379 AMPS
	Engagement type		SOLENOID W/POSITIVE SHIFT
Motor drive	Pinion engages from (front, rear)		FRONT
Electrical	– Ignitio	n System	
Туре	Electronic (std., opt., n.a.)		STANDARD
7.	Other (spe		STANDARD
	Make	- ,,	DELCO REMY
Coil	Model		DECCO NAME
CON	Current	Engine stopped A	
	Current	Engine idling - A	
	Make	* *************************************	AC
	Model		R44XLF
Spark	Thread (mr	n)	14
plug	Tightening	torque [N·m (lb, ft)]	25–30 (18–22)
	Gap		1.5 (.060)
	Number per cytinder		ONE
Distributor			DELCO REMY
	Model .		
Electrical	– Suppr	ession	
Locations & ty	ре		NDDIU E. DACKACE

^{*} FIRST MODEL # LISTED IS FOR HEATER ONLY, 2ND MODEL # LISTED IS FOR AIR CONDITIONING.

Car Line	SUNBIRD				•	,
Model Year	1987	lssued	11-86	Revise	od (•)	

METRIC (U.S. Customary)

	Description/Carb.
Engine	Code

(121) L4 LT3_TURBO	2.OL	
LT3-TURBO	(121) L4	
	LT3-TURBO	·

Electrical - Supply System

	Manufacturer	DELCO REMY
	Model, std., (opt.)	1981601
	Voltage	12V
Battery	Amps at 0°F cold crank	630 CCA
-	Minutes-reserve capacity	90 RD
	Amp/hrs 20 hr. rate	54 AH
	Location	UNDERHOOD FRONT
	Manufacturer	DELCO REMY
Alternator	Rating #	1101144/85 ANPS OR 1101145/100 AMPS
Alternator	Ratio (alt. crank/rev.)	2.42:1
	Optional (type & rating)	NONE
Regulator Type		INTEGRAL TO ALTERNATOR

Electrical - Starting System

Start, motor	Current drain at 0°F	1998529 379 AMPS
Motor drive	Engagement type	SOLENOID W/POSITIVE SHIFT
	Pinion engages from (front, rear)	FRONT

Electrical – Ignition System

Туре	Electronic (std., opt., n.a.)		STANDARD	
	Other (spe	ecify)		
	Make		DELCO REMY	
Coil	Model			
	Current	Engine stopped - A		
		Engine idling – A		
	Make		AC	
	Model		R42XLF	
ipark Ilug	Thread (mm)		14	
lug	Tightening torque [N-m (lb, ft)]		25-30 (18-22)	
	Gap		1.5 (.060)	
	Number per cylinder		ONE	
Distributor	Make		DELCO REMY	
	Model			

Electrical - Suppression

Locations & type

^{*} FIRST MODEL # LISTED IS FOR HEATER ONLY, 2ND MODEL # LISTED IS FOR AIR CONDITIONING.

Car LineSUNBIRD			
Model Year	Issued1ec	Revised (•)	

ME I MI	C (U.S. Custo	omary)	•	
Body Type			ALL .	
Body				
Structure			UNITIZED BODY CONSTRUCTION INCLUDING FRONT END STRUCTURE WITH BOLTED-ON FENDERS AND HOOD.	
Bumper sys front - rear	item		BUMPER FASCIAS ARE ATTACHED TO STEEL IMPACT BAR AND DUAL ENERSORBERS FOR COLLISION ENERGY ABSORPTION. (MEETS GM 5 MPH IMPACT STANDARD).	
Anti-corrosion treatment			SPECIAL ANTI-CORROSION MATERIALS ARE USED ON INTERIOR AND EXTERIOR METAL PANEL SURFACES. MATERIALS INCLUDE ONE AND TWO-SIDED GALVANIZED, ZINCROMETAL AND ZINK-IRON ALLOY STEELS. SPECIAL METAL CONDITIONERS, PRIMERS, PROTECTIVE WAXES AND SEALERS ARE USED ON INTERIOR SURFACES. CHIP RESISTANT PLASTISOL MATERIAL IS APPLIED TO EXTERIOR LOWER BODY.	
	Aiscellaneous			
Type of finis	h (lacquer, enamel,	 	ACRYLIC LACQUER	
-lood	Hinge location (REAR	
-	Type (counterba	alance, prop) (internal, external)	PROP ROD	
F	Type (counterba		INTERNAL COUNTERPALANCE TOROUT DOD	
Frunk id		control (elec., mech., n.a.)	COUNTERBALANCE - TORQUE ROD OPTION - ELECTRIC	
latch-	Type (counterba		COUNTERBALANCE - GAS FILLED STRUTS	
ack lid		control (elec., mech., n.a.)	OPTION - ELECTRIC	
Station wagon				
/ent window control (crank, riction, pivot, power) Rear Seat cushion type e.g., 60/40, bucket, bench, vire, foam etc.) Front Rear 3rd seat			NOT AVAILABLE	
			NOT AVAILABLE	
			BUCKET, MOLDED FOAM PAD	
			BENCH, MOLDED FOAM PAD	
F		Front	NOT AVAILABLE RECLINING BUCKET, MOLDED FOAM PAD	
	bucket, bench,	Rear	BENCH, MOLDED FOAM PAD	
rire, foam ei	(c.)	3rd seat	NOT AVAILABLE	
			·	
		<u> </u>		

MVMA Specifications Form	
Passenger Car METRIC (U.S. Customary)	
METRIC (U.S. Customary)	

Car Line	SUNBIRD		•	-	
Model Year	1987	Issued	11-86	Revised (•)	

					1				
Body Type	•				ALL				
Restrair	nt System								
Active	Standard/optional		STANDARI	D	,				
restraint system	Type and description	on		LAP/SHOULDER BEL	T COMBINATION R	EAR: LAPBELTS			
Location FRONT: RIGHT/LEFT OUTBOARD REAR: RIGHT/CENTER/LEFT									
	Standard/optional		NOT AVAI	TI ARI F			<i><u> </u></i>		
Passive seat belts	Power/manual								
JC/(3	2 or 3 point		NOT AVAILABLE NOT AVAILABLE						
	Knee bar/lap belt		NOT AVAI		·				
Frame			TOT AVAI	LADLE					
Type and de unitized fram	scription (separate fram ne, partially-unitized fram	ne, ne)	BODY - F	RAME INTEGRAL W	ITH BOLT-ON POWER	R TRAIN CRADLE			
Glass		SAE Ref. No.	COUPE-27	WAGON-35	SEDAN-69	H/COUPE-77	CONVERT-67		
Windshield g surface area	lass exposed [cm²(in.²)]	S1	7487 (1160.5)	7487 (1160.5)	7487 (1160.5)	7487 (1160.5)	7487 (1160.5)		
Side glass ex area (cm²(in.	rposed surface 2)] - total 2-sides	S2	10910 (1691.0)	16955 (2628.0)	11532 (1787.5)	11478 (1779.1)	10910 (1691.0)		
Backlight gla surface area	ss exposed [cm²(in.²)]	S3	5154 (798 9)	4892 (758.3)	5691 (882.1)	8685 (1346.2)	3393 (525.9)		
Total glass exposed surface area [cm²(in.²)]									
Windshield g	tass (type)		CURVED-TEMPERED AND LAMINATED PLATE						
Side glass (ty	/pe)								
Backlight glas	ss (type)		CURVED-TEMPERED PLATE CURVED-TEMPERED PLATE						

MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

Car Line	SUNBIRD		_		
Model Year	1987 is	ssued	11-86	Revised ()

Body Type	ALL	 	

Air conditionin	ng (manual, introl)	MANUAL CONTROL - OPTIONAL				
Clock (digital,	analog)	DIGITAL INCLUDED W/SOME RADIOS - OPTIONAL				
Compass the	ermometer	NOT AVAILABLE				
Console (floor	r. Överhead)	FLOOR				
Defroster, ele	c. backlight	OPTIONAL - NOT AVAILABLE CONVERTIBLE				
	Diagnostic monitor (integrated, individual)	NOT AVAILABLE				
	Instrument cluster (list instruments)	NOT AVAILABLE				
	Keyless entry	NOT AVAILABLE				
lectronic	Tripminder (avg. spd., fuel)	NOT AVAILABLE				
	Voice alert (list items)	NOT AVAILABLE				
	· Other	NOT AVAILABLE				
		THE THE PARTY OF T				
uel door lock	(remote, key, electric)	KEY - STANDARD CONVERTIBLE				
	Auto head on / off delay, dimming	NOT AVAILABLE				
•	Cornering	NOT AVAILABLE				
	Courtesy (map, reading)	IP COURTESY W/LAMP GROUP - OPTIONAL				
	Door lack, ignition	NOT AVAILABLE				
	Engine compartment	NOT AVAILABLE				
amps	Fog	OPTIONAL SUNBIRD & GT, GT DELUXE DESIGN				
	Glove compartment	OPTIONAL W/LAMP GROUP				
Trunk		OPTIONAL W/LAMP GROUP				
	Other	attoor ay Enta dittoor				
	Day night (auto, man.)	MANUAL STANDARD				
irrors	L.H. (remote, power, heated)	REMOTE & POWER - OPTIONAL				
	R. H. (convex, remote, power, heated)	POWER OPTIONAL CT				
	Visor vanity (RH / LH, illuminated)	· · · · · · · · · · · · · · · · · · ·				
arking brake-	auto release (warning light)	RH - OPTIONAL GT				
	Door locks deck lid - specify	STANDARD (MANUAL RELEASE) LOWER AREA OF SPEEDOMETER				
'ower	Seat (2-4-6-way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	DOOR/DECK LID - OPTIONAL OPTIONAL GT - 4 - WAY MANUAL DRIVER SEAT				
quipment	Side windows	OPTIONAL GT				
	Vent windows	NOT AVAILABLE				
	Rear window	NOT AVAILABLE				
	Astenna (location whip wiphysid nower)	CTANDADD ALL MOSE C CANADA CONTRACTOR OF CON				
adio /stems	Antenna (location, whip, w shield, power) AM, FM, stero, tape, CB	STANDARD ALL MODELS RIGHT FRONT FENDER, WHIP				
		STD. CONVERTIBLE/GT AM; OPT. AM/FM STEREO, CASSETTE, EQUALIZER				
not onen air fi	Speaker (number, location) Premium sound xed (flip-up, sliding, "T")	NOT AVAILABLE				
eed control d		FLIP-UP - OPTIONAL				
	device (light, buzzer,etc.)	OPTIONAL W/RESUME & ACCELERATE FEATURES				
schometer (rp		NOT AVAILABLE				
elephone syste	 	OPTIONAL SUNBIRD AND SE, STANDARD GT				
neft protection		LOCK MOUNTED ON STEERING WHEEL - STANDARD				
	L L					

^{*} SPEAKERS - STANDARD W/STEREO RADIO

 Car Line
 SUNB IRD

 Model Year
 1987
 Issued
 11-86
 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 J1100 "Motor Vehicle Dimensions," unless otherwise specified.

SAE Ref. no. refers to the definition pub	SAC III Denau	recommended Practice	J I IUU "Motor Vehicle D	imensions," unless other	wise specified.	
Body Type Width	SAE Ref. No.	COUPE 27	WAGON 35	SEDAN 69	COUPE 77	CONVERT 67
Tread (front)	W101	1/12 (55 ()		<u>-</u>	"	
Trear (rear)	W102	1412 (55.6)		 	<u> </u>	
Vehicle width	W103	1402 (55.2)	1/05 (// 7)	···		
Body width at Sg RP (front)	W117	1677 (66.0) 1652 (65.0)	1685 (66.3)		1692 (66.6)	1677 (66.0)
Vehicle width (front doors open)	W120	3684 (145.0)	7210 (124 7)			
Vehicle width (rear doors open)	W121	7804 (145.0)	3218 (126.7) 2832 (111.5)	·	3684 (145.0)	<u> </u>
Front fender overall width	W106	1647 (64.8)	12002 (111.0)			,
Rear fender overall width	W107	1677 (66.0)	1685 (66.3)		1/77 / // 0)	
Tumble-home (deg.)	W122	21.5	22.0	21.5	1677 (66.0)	
Length			122.00		<u></u>	
Wheelbase	L101	2571 (101.2)			 	*
Vehicle length	L103	4412 (173.7)	4467 (175.9)	4463 (175.7)	4412 (173.7)	
Overhang (front)	L104	938 (36.9)	1407 (1757)	14402 (175.7)	4412 (1/3+/)	
Overhang (rear)	L105	903 (35.5)	958 (37.7)	954 (37.6)	903 (35.5)	
Upper structure length	L123	2335 (91.9)	2924 (115.1)	2363 (93.0)	2800 (110.2)	2340 (92.1)
Rear wheel C/L "X" coordinate	L127	2354 (92.7)	12724 (127017	2707 (77.07	2000 (110.2)	2340 (92.1)
Cowl point "X" coordinate	L125	247 (9.7)	245 (9.6)	 	247 (9.7)	
Front end length at centerline	L126	1402 (55.2)	1 2 15 (247 (3.7)	
Rear end length at centerline	L129	570 (22.4)	34 (1.3)	595 (23.4)	117 (4.6)	590 (23.2)
Height **		<u> </u>		777 (2704)	117 (4.0)	1 370 (27.2)
Passenger distribution (front/rear)	PD1.2,3	2 - 0		**		
Trunk/cargo load	<u> </u>			**		
Vehicle height	H101	1317 (51.9)	1374 (54.1)	1367 (53.8)	1317 (51,9)	
Cawl point to ground	H114	942 (37.1)	946 (37.2)	943 (37.1)	942 (37.1)	
Deck point to ground	H138	943 (37.1)	948 (37.3)	948 (37,3)	943 (37.1)	
Rocker panel-front to ground	H112	216 (8.5)	220 (8.7)	216 (8.5)	216 (8,5)	· ·
Bottom of door closed-front to grd.	H133	288 (11.3)	294 (11.6)	287 (11.3)	288 (11.3)	
Rocker panel-rear to ground	H111	209 (8.2)				
Bottom of door closed-rear to grd.	H135		299 (11.8)	289 (11.4)		
Windshield slope angle	H122	58.7	55.0	55.0	58.7	58.8
Backlight slope angle	H121	51.0	35.5	49.0	69.0	54.5
Ground Clearance **						
Front bumper to ground	H102	237 (9.3)	336 (13.2)	237 (9.3)		
Rear bumper to ground	H104	339 (13.3)	352 (13.9)	339 (13.3)		
Bumper to ground [front at curb mass (wt.)]	H103	260 (10.2)				
Bumper to ground (rear at curb mass (wt.)]	H105	367 (14.4)	385 (15.2)	367 (14.4)		
Angle of approach (degrees)	H106	13.40	12.90	13.40		
Angle of departure (degrees)	H107	17.40	19.80	17.40		
Ramp breakover angle (degrees)	H147	13.8°	15.1°	13.80		
(tront / rear)	H153	NOT APPLICABLE	<u> </u>			
Min. running ground clearance	H156	150 (5.9)				
ocation of min. run. grd. clear.		FRONT SUSPENSIO	N CRADLE			·

^{**}All Vehicle Height And Ground Clearances Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.

EPA LOADED VEHICLE WEIGHT Is The Base Vehicle Weight Plus All Coolant And Fluids Necessary For Operation Plus 100% Of The Fuel Capacity, Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

SUNBIRD Car Line _ 1987 11-86 Model Year_ Issued . Revised (*)

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

Body	Туре

SAE	COUPE	WAGON	SEDAN	COUPE	CONVERT
Ref. No.	27	35 .	69	77	`67

 -		^			
-60	п	COL	noi	BITIT	ient

		All Interior Dimens	ions Are Messured W	ith The Seating Refere	nce Soint (CoRD)	mm (1 Sest
Undepressed floor covering thickness	H67	16 (0.6)				17 (0.7)
leadlining to roof panel (front)	H37	10 (0.4)	13 (0.5)	10 (0.4)		
Steering wheel torso clearance	L7	390 (15.4)	378 (14.9)	380 (15.0)	390 (15.4)	
Steering wheel to C/L of thigh	H13	98 (3.9)	88 (3.5)	86 (3.4)	98 (3.9)	
Accel, heel pt. to steer, whi, ontr	H17	NOT AVAILABLE				
Accel, heel pt. to steer, whi, cntr	Ł11	NOT AVAILABLE				
Steering wheel angle	H18	20.0°				•
Steering wheel maximum diameter	W9	370 (14.6)				375 (14.8)
Upper body opening to ground	H50	1211 (47.7)	1246 (49.1)	1240 (48.8)	1211 (47.7)	
Hip room	W5	1248 (49.1)	1241 (48.9)	1240 (48.8)	1248 (49.1)	1230 (48.4)
Shoulderroom	мэ	1364 (53.7)	1363 (53.7)		1364 (53.7)	
Normal driving & riding seat track trvl.	L23	171 (6.7)	170 (6.7)	171 (6.7)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
Design H-point front travel	L17	192 (7.6)	<u></u>			
ootangle	L46	87.0	*		·	
Knee angle	L44	126.5	127.5	127.0	126.5	-
Hip angle	L42	96.0	98.5	98.0	96.0	
Rack angle	L40	25.0°			— · · · · · · · · · · · · · · · · · · ·	
SgRP to heel point	L53	872 (34.3)	866 (34.1)		872 (34.3)	<u></u>
SgRP to heel point	H30	233 (9,2)	256 (10.1)	257 (10.1)	233 (9,2)	233 (9.2)
Max. eff. leg room (accelerator)	L34	1071 (42.2)	1072 (42.2)	700 (7000)	1071 (42.2)	7.0 (50.5)
Effective head room	H61	958 (37.7)	973 (38.3)	980 (38.6)	955 (37.6)	978 (38.5)
Sg RP front, "X" coordinate	L31	1113 (43.8)				

Undepressed floor covering thickness	H67	16 (0.6)				17 (0.7)		
Rear Compartment		All Interior Dimensions Are Messured With The Seating Reference Point (SgRP) Adjuster Notch) Forward Of Rearmost Seat Position.						
Sg RP Point couple distance	L50	720 (28.3)	741 (29.2)	758 (29.8)	715 (28.1)	720 (28.3)		
Effective head room	H63	931 (36.7)	986 (38.8)	964 (38.0)	925 (36.4)	949 (37.4)		
Min. effective leg room	L51	807 (31.8)	857 (33.7)	871 (34.3)	803 (31.6)	791 (31.1)		
Sg RP (second to heel)	H31	259 (10.2)		272 (10.7)	252 (9.9)	259 (10.2)		
Knee clearance	L48	-21 (-0.8)	2 (0.1)	9 (0.4)	-27 (-1.1)	-16 (-0.6)		
Compartment room	L3	635 (25.0)	660 (26.0)	657 (25.9)	643 (25.3)	636 (25.0)		
Shoulder room	W4	1335 (52.6)	1364 (53.7)		1332 (52.0)	964 (38.0)		
Hip room à	W6	1265 (49.8)	1244 (49.0)	1241 (48.9)	1234 (48.6)	964 (38.0)		
Upper body opening to ground	H51		1251 (49.3)	1243 (48.9)				
Back angle	L41	25.0°	25.00	26.00	25.0°	19.00		
Hip angle	L43	78.0	81.0	83.0	78.0	71.0		
Knee angle	L45	78.5	86.0	85.0	81.0	77.5		
Foot angle	L47	115.5	121.0	118.0	116.5	114.0		
Headlining to roof panel (second)	H38	9 (0.4)	13 (0.5)	8 (0.3)	10 (0.4)	9 (0.4)		
Depressed floor covering thickness	H73	18 (0.7)	20 (0.8)	18 (0.7)	18 (0.7)	19 (0.7)		

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	356 (12.6)		381 (13.5)		294 (10.4)
** Liftover height	H195	834 (32.8)	549 (21.6)	832 (32.8)	834 (32.8)	834 (32.8)

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)	COMPACT	COMPACT					
Interior volume index (cu. ft.)	100.3	125.0	100.3	100.3	86.3		
Trunk/cargo index (cu. ft.)	12.6	34.1	13.5	14.8	10.4		

All linear dimensions are in millimeters (inches).

Car Line _ Model Year ___ SUNBIRD 1987 __ Issued ____ 11-86

Revised (●)

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

Body Type

SAE Ref. No.	WAGON 35	COUPE
L		//

Station	wagon –	iniro Seat

Sg RP couple distance	L85	NOT APPLICABLE
Shoulder room	W85	NUT APPEILABLE
Hiproom	W86	
Effective leg room	L86	
Effective head room	H86	
Sg RP to heel point	H87	
Knee clearance	L87	
Seat facing direction	SD1	
Back angle	Les	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

Station Wagon - Cargo Space

Cargo length (open front)	L200		
Cargo length (open second)	L201		
Cargo length (closed front)	L202	1709 (67.3)	
Cargo length (closed second)	L203	980 (38.6)	
Cargo length at belt (front)	L204	1581 (62.2)	
Cargo length at belt (second)	L205	837 (33.0)	
Cargo width (wheelhouse)	W201	944 (37.2)	
Rear opening width at floor	W203	1226 (48.3)	
Opening width at belt	W204	1206 (47.5)	
Max. rear opening width above belt	W205	970 (38.2)	
Cargo height	H201	846 (33.3)	
Rear opening height	H202	764 (30.1)	
Tailgate to ground height	H250	549 (21.6)	
ront seat back to load floor height	H197	602 (23,7)	
Cargo volume index [m³(ft.3)]	V2	1824 (64.4)	
-lidden cargo volume [m³(ft.³)]	V4	NOT AVAILABLE	
Cargo volume, index-rear of 2-seat	V10	966 (34.1)	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	
Cargo length at floor (front)	L209	1099 (43.3)
Cargo length at second seatback height	L210	1622 (63.8)
Cargo length at floor (second)		745 (29.3)
	L211	906 (35.7)
Front seatback to load floor height	H197	602 (23.7)
Second seatback to load floor height	H198	384 (15.1)
Cargo volume index [m³(ft.³)]	V3	
Hidden cargo volume [m ³ (ft. ³)]	V4	1083 (38.2)
Cargo volume index-rear of 2-seat	V11	
		419 (14.8)

				144 /4 14	,
Aerodynamics*	COUPE-27	WAGON-35	SEDAN-69	COUPE-77	CONVERT-67
Wheel lip to ground, front	642 (25.3)				
Wheel lip to ground, rear	658 (25.9)		-		
Frontal area [m²(ft²)]	1.86 (20.0)	1.93 (20.8)	1.92 (20.7)	1.86 (20.0)	1.0((22.0)
Drag coefficient (Cd)	NOT AVAILABLE		1 4072 (20.7)	1.00 (20.0)	1.86 (20.0)

^{*} EPA Loaded Vehicle Weight, Loading Conditions All linear dimensions are in millimeters (inches) unless otherwise noted.

MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

Car Line	SUNBIRD				
Model Year_	1987	. Issued .	11-86	Revised (•)	

Body Type

	COUPE	WAGON	SEDAN	COUPE	CONVERT.	
į	. 27	35	69	77	, 67	

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location						
Front	(1)				ASURED HORIZONTALLY	Y FROM THE BASE GRID STER MOUNTING BOLT.		
FIOR	n				MEASUREMENT MADE FR TAT ADJUSTER MOUNTIN			
	(2)				MEASURED VERTICALE RONT SEAT ADJUSTER			
	(1)		EAR FIDUCIAL MARK L	•	ASURED HORIZONTALLY HAND RAIL (COMPART			
					IEASUREMENT MADE FRO . (COMPARTMENT PAN -			
Rear	(2)		THE REAR FIDUCIAL M	•	MEASURED VERTICALLY RIGHT HAND RAIL (CO			
Fiducial Mark Number								
	W21	504 (19.8)	504 (19.8)	504 (19.8)	504 (19.8)	505 (19.9)		
	L54	· 746 (29.4) *	746 (29.4) *	746 (29.4) *	746 (29.4) *	746 (29.4) *		
Front	H81	-54 (-2.1) #	-54 (-2.1) #	-54 (-2.1) #	-54 (-2.1) #	-36 (-1.4) #		
	H161.	296 (11.7)	300 (11.8)	296 (11.7)	296 (11.7)	296 (11.7)		
**	H163	268 (10.6)	273 (10.7)	268 (10.6)	268 (10.6)	268 (10.6)		
	v							
	V W22	440 (17.3)	440 (17.3)	440 (17.3)	440 (17.3)	440 (17-3)		
		440 (17.3) 2900 (114.2) *	440 (17.3) 2951 (116.2) *	440 (17.3) 2951 (116.2) *	440 (17.3) 2900 (114.2) *	440 (17.3) 2900 (114.2) *		
Rear	W22					440 (17.3) 2900 (114.2) * 62 (2.4) #		
Rear	W22 L55	2900 (114.2) *	2951 (116.2) *	2951 (116.2) *	2900 (114.2) *	2900 (114.2) *		

^{*} VERTICAL BASE GRID 2000mm LINE

[#] HORIZONTAL BASE GRID 300mm LINE

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

All linear dimensions are in millimeters (inches). ** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

Body Type

COUPE	WAGON	SEDAN	COUPE	CONVERT
27	35	69	77	67
L	l ·		!	

Lamps and	Head	dlamp Sha	ape*							
		adlamp	Highest**	669 (26.3)	670 (26.4)	669 (26.3)	669 (26.3)	669 (26.3)		
		E - H127)	Lowest		<u> </u>					
Height above ground to center of bulb	Taill	amp	Highest**	724 (28.5)	590 (23.2)	723 (28.5)	724 (28.5)	724 (28.5)		
or marker	(SAI	E - H128)	Lowest							
	Side	emarker	Front	531 (20.9)	532 (20.9)	531 (20.9)	531 (20.9)	531 (20.9)		
			Rear	729 (28.7)	759 (29.9)	719 (28.3)	729 (28.7)	729 (28.7)		
	Hea	dlamp	Inside	413 (16.3)						
	·		Outside**	593 (23.4)						
Distance from C/L of car to	Taillamp		Inside	509 (20.0)	714 (28.1)	383 (15.1)	509 (20.0)	509 (20.0)		
center of bulb			Outside**	644 (25.4)		647 (25.5)	644 (25.4)	644 (25.4)		
	Directional		Front	581 (22.9)						
			Rear	644 (25.4)	714 (28.1)	647 (25.5)	644 (25.4)	644 (25.4)		
		Lo beam		NOT AVAILABLE	-					
Halogen headlamp	%	Hi beam		OPTIONAL						
(std., opt., n.a.)		Replaceable	bulb	ENTIRE SEALED BEAM UNIT REPLACED						
	Shape			RECTANGULAR						
		Lo beam		STANDARD						
Headlamp		Hi beam		STANDARD						
other than above	#	Replaceable	•	ENTIRE SEALED	BEAM UNIT REPLA	ACED				
avove		Shape		REC TANGULAR	·					
	Туре			HALOGEN						

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

% - TT5 OPTIONAL - SUNBIRD AND SE

- TT4 STANDARD - GT

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

Car Line	SUNBIRD				
Model Year	1987	Issued	11-86	Revised (•)	

			,	/ehicle N	fass (w	eight)		
	CURB MASS; kg. (weight, lb.)* % P				PASS. MAS	SHIPPING		
· Model			<u> </u>	Pass In Front		Pass In Rear		MASS, kg (weight, lb.)*
•	Front	Rear	Total	Front	Rear	Front	Rear	(weight, ib.)
SUNBIRD								
4-DOOR NOTCHBACK	684.	391.2	1075.2	-	-			1044.0
SEDAN 2JB69	(150		(2370)					(2301)
			******************		1		1	
4-DOOR STATION	674.	6 422.4	1097.0					1065.8
WAGON 2JB35	(148	7) (931)	(2418)					(2350)
· · · · · · · · · · · · · · · · · · ·				+	ļ	-	 	
SUNBIRD SE								
2-DOOR NOTCHBACK	692.	2 376.5	1068.7	<u> </u>		ļ <u>-</u>	 	1037.5
COUPE 2JD27	(152		(2356)					(2287)
2-DOOR CONVERTIBLE	726.	6 419.5	1146.1			<u> </u>		1114.9
2JD67	(160		(2527)	1		 	1	(2458)
·		1 1 1	 		1		-	
3-DOOR HATCHBACK	688.	5 403.6	1092.1			1		1060.9
COUPE 2J077	(151		(2408)					(2339)
				 		 		
SUNBIRD GT						-		
2-DOOR NOTCHBACK	729.	395.5	1124.5					1093.3
COUPE 2JU27	(160	7) (872)	(2479)	<u> </u>				(2410)
2-DOOR CONVERTIBLE	758.	4 437.0	1195.4					1164.2
2JU67	(167	ż) (963)	(2635)					(2567)
							ļ	
4-DOOR NOTCHBACK	727.		1142.9			 	 	1111.7
SEDAN 2JU69	(160	4) (915)	(25)9)			 		(2451)
3-DOOR HATCHBACK	724.		1148.5					1117.3
COUPE 2JU77	(159	8) (934)	(25;2)	<u> </u>	-	ļ		(2463)
······				-	 		 	
				+	 	 	+	
				† · · · · ·	 	† · · · · · · · · · · · · · · · · · · ·	†	
			····	-			<u> </u>	
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			·-·		l	1	1	

^{*} Reference – SAE J1100 Motor venicle dimensions, curb weight definition. ** Shipping mass (weight) definition –

Car LineSUNBIRD		•	•	
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			o	ptional Equi	pment Differential Mass (weight)*
Equipment SUNDOS REMOVABLE CLASS ADT		М	ASS, kg. (weig	ght, lb.)	
		Front	Rear	Total	Remarks
SUNROOF REMOVABLE GLASS	AD3	3.38	3.82	7.20	27, 69 MODELS
		(7.45)	(8.42)	(15.87)	
POWER DOOR LOCKS: 2-DR	AU3	0.60	1.00	1.60	
		(1.32)	(2.20)	(3.52)	
POWER DOOR LOCKS: 4-DR	AU3	0.88	1.62	2.50	
 		(1.94)	(3.57)	(5.51)	
POWER WINDOWS: 2-DR	A31_	1.62	1.18	2.80	STANDARD - CONVERTIBLE
		(3.57)	(2,60)	(6.17)	
POWER WINDOWS: 4-DR	A31	2,96	2,14	5,10	
		(6.53	(4.72)	(11.24)	
<u>NEW ARTICULATING BUCKET SEAT</u>	AQ9	4,17	4,53	8,70	NOT AVAILABLE - BASE MODELS
		(9.19)	(9,99)	(19.18)	
CONSOLE ARMREST	D06	1.64	1.36	3.00	
		(3.62)	(3,00)	(6.62)	• •
DECK LID SPOILER	_D80	-1.04	4.34	3.30	NOT AVAILABLE - BASE MODELS
		(-2.29)	(9.57)	(7,28)	
ELECTRONIC SPEED	K34	1.20	0.0	1.20	
CONTROL W/RESUME SPEED		(2.65)	(_0_0)	(2.65)	
2.OL PFI TURBO	LI3	18.52	3,55	22.07	STANDARD - GI
3-SPD AUTO TRANS (LT2)	MDO	(40.83)	(7.83)	(48.66)	
3-SPU AUTU TRANS (LTZ)	MD9	26.16 (57.67)	-2.34 (-5.16)	23.82 (52.51)	
3-SPD AUTO TRANS (LT3)	MD9	23.38	-2.08	21.30	
· ,		(51.54)	(-4.59)	(46.96)	
POWER STEERING	N40	7.32	0.18	7.51	STANDARD - SE CONVERTIBLE & GT
		(16,14)	(0.40)	(16,56)	
BATTERY, H.D. (LH8)	UAl	2.8	-0.4	2.4	
	J.,12	(6.2)	(-0.9)	(5.3)	
LUGGAGE CARRIER-ROOF	V55	2.24	2.26	4.50	2JB35
		(4.94)	(4.98)	(9, 92)	20079
LUGGAGE RACK-REAR DECK LID	V56	-0.48	2.86	2.39	2JB69, 2JD27
		(-1.06)	(6.31)	(5.27)	23337, 23327
		V = 4.57	`/		
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^{*}Also see Engine - General Section for dressed engine mass (weight).

Car.Line	SUNB IRD				<u> </u>	
Model Year	1987	Issued	11_86	Revised (●)		

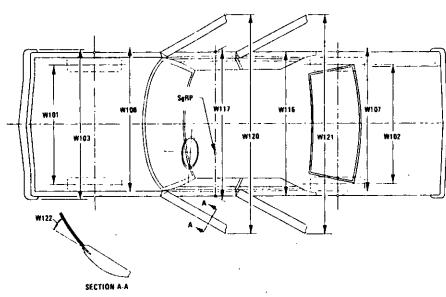
			Q	ptional Equip	ment Differential Mass (weight)*	
Equipment			IASS, kg. (wei		Remarks	
ALUMINUM WHEELS	N78	Front	Rear	Total	REQUIRES WS6 SUSPENSION	
P195 TIRES	QGF/QGH	3.50	6.54	10.04	SUNBIRD & "SE"	
	· QGG ·	(7.72)	(14.42)	(22.14)		
P215 TIRES	QPU/QPV				STANDARD - "GT"	
-,						
RADIO	UM7	1.04	0.18	1.22		
		(2.29)	(0.40)	(2.69)		
RADIO-AM	U63	1.16	0.42	1.59	STANDARD - "GT" AND CONVERTIBLE	
		(2.56)	(0.93)	(3.49)		
HANDLING PACKAGE	Y99	2.16	0.66	2.82	SUNBIRD & "SE"	
		(4.76)	(1.46)	(6.22)		
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^{*}Also see Engine - General Section for dressed engine mass (weight).

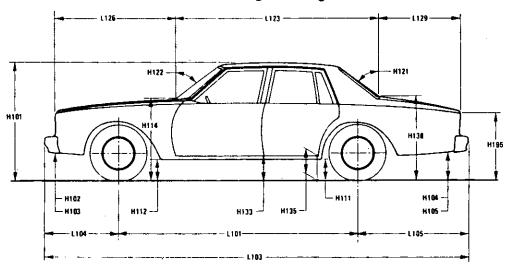
MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

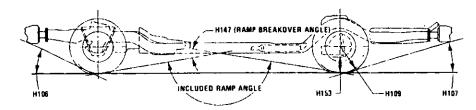
Exterior Width



Exterior Length & Height

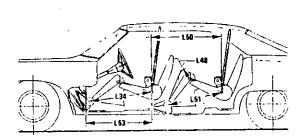


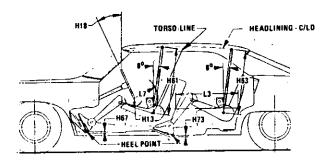
Exterior Ground Clearance

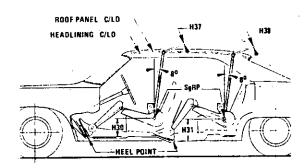


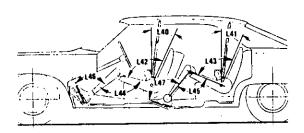
MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

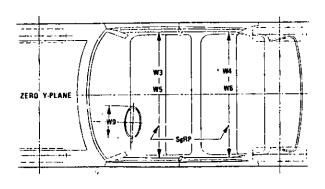
Interior Car And Body Dimensions – Key Sheet

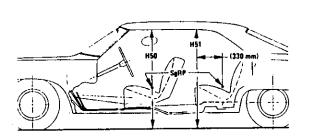








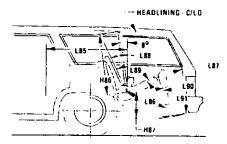


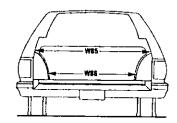


MVMA Specifications Form Passenger Car METRIC (U.S. Customary)

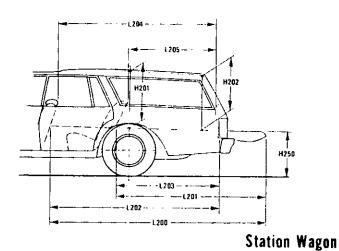
Interior Car And Body Dimensions -- Key Sheet

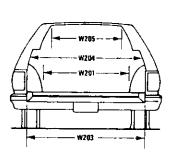
Third Seat





Cargo Space





H197 H198 L209 H

Hatchback

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 lorso and thigh; and
- (d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations."

Width Dimensions

- W101 TREAD-FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD-REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.
- W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.
- 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 position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE-HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.

 CURVED SIDE GLASS. The angle measured from a verti
 - cal 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.

Length Dimensions

- 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.
- 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.
- L125 COWL POINT X" COORDINATE.
- L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumpers. In cases where bumpers and/or grills are integrated with the profile, measurement is made at the foremost point of front end contour.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be the midpoint of the distance between the rear axle centerlines.
- L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

Height Dimensions

- H101 VEHICLE HEIGHT The dimension measured vertically from the highest point on the vehicle body to ground.
- H111 ROCKER PANEL-REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H112 ROCKER PANEL-FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels. excluding flanges, to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of 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 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.
- 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.
- H133 BOTTOM OF DOOR CLOSED-FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock piltar side, in maximum closed 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 closed position, to ground.
- H138 DECK POINT TO GROUND, Measured at zero "Y" plane.
- H109 STATIC LOAD-TIRE RADIUS-REAR. Specified by the 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.
- H103 FRONT BUMPER TO GROUND-CURB MASS (WT.). Measured in the same manner as H102.

METRIC (U.S. Customary)

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

- 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.
- REAR BUMPER TO GROUND CURB MASS (WT.). Mea-H105 sured 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 desig-
- ANGLE OF DEPARTURE. The angle measured between a H107 line tangent to the rear tire static loaded radius arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.
- RAMP BREAKOVER ANGLE. The angle measured between H147 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.

Glass Areas

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

Fiducial Mark Dimensions Fiducial Mark - Number 1

- L54 "X" coordinate.
- W21 "Y" coordinate.
- "Z" coordinate. H81
- H161 Height "Z" coordinate to ground at curb weight.
- H₁₆₃ Height "Z" coordinate to ground.

Fiducial Mark -- Number 2

- L55 "X" coordinate.
- "Y" coordinate. W22
- "Z" coordinate. W82
- H162 Height "Z" coordinate to ground at curb weight.
- H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

- STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.
- L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel
- DESIGN H-POINT-FRONT TRAVEL. The dimension mea-L17 sured horizontally between the design H-point-front in the foremost and rearmost seat track positions. (See SAE
- L23 NORMAL DRIVING AND RIDING SEAT TRACK LEVEL. 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. L31

- MAXIMUM EFFECTIVE LEG ROOM-ACCELERATOR. The L34 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 L40 vertical line through the SgRP-front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
- HIP ANGLE-FRONT. The angle measured between torso L42 line and thigh centerline.
- KNEE ANGLE-FRONT. The angle measured between thigh 1.44 centerline and lower leg centerline measured on the right leg.
- FOOT ANGLE-FRONT. The angle measured between the L46 lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826
- SgRP-FRONT TO HEEL. The dimension measured hori-L53 zontally from the SgRP-front to the accelerator heel point.
- 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 W5 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.
- STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. De-W9 fine if other than round.
- H13 STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.
- H17 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 H18 vertical to the surface plane of the steering wheel.
- SgRP-FRONT TO HEEL. The dimension measured verti-H30 cally from the SgRP-front to the accelerator heel point.
- HEADLINING TO ROOF PANEL-FRONT. The dimension **H37** measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.
- UPPER BODY OPENING TO GROUND-FRONT. The di-H50 mension measured vertically from the trimmed body opening to the ground on the SgRP-front "X" plane.
- H61 EFFECTIVE HEAD ROOM-FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP--front to the headlining plus 102 mm (4.0 in.)
- FLOOR **H67** 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.
- PD1 PASSENGER DISTRIBUTION-FRONT.

Rear Compartment Dimensions

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.

METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet Dimensions Definitions

- L-41 BACK ANGLE-SECOND. The angle measured between a vertical line through the SgRP-second and the torso line.
- L43 HIP ANGLE-SECOND. The angle measured between torso line and thigh centerline.
- L45 KNEE ANGLE-SECOND. The angle measured between thigh centerline and lower leg centerline.
- L47 FOOT ANGLE-SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).
- L48 KNEE CLEARANCE-SECOND. The minimum dimension measured from the knee pivot center to the back of the front seatback minus 51 mm (2.0 in.)
- L50 SgRP COUPLE DISTANCE-SECOND. The dimension measured horizontally from the driver SgRP-front to the SgRP-second.
- L51 MINIMUM EFFECTIVE LEG ROOM-SECOND. The dimension measured along a line from the ankle pivot center to the SgRP-second plus 254mm (10.0 in.).
- W4 SHOULDER ROOM-SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP-second at height between 254-406 mm (10.0-16.0 in.) above the SgRP-second, excluding the door assist straps and attaching parts.
- W6 HIP ROOM-SECOND Measured in the same manner as W5.
- H31 SgRP-SECOND TO HEEL. The dimension measured vertically from the SgRP-second to the two dimensional device heel point on the depressed floor covering.
- H38 HEADLINING TO ROOF PANEL-SECOND. The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.
- H51 UPPER BODY OPENING TO GROUND-SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in) forward of the SgRP-second.
- H63 EFFECTIVE HEAD ROOM-SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
- H73 FLOOR COVERING-DEPRESSED-SECOND. The dimesnion measured vertically from the heel point to the underbody sheet metal.
- PD2 PASSENGER DISTRIBUTION-SECOND.

Luggage Compartment Dimensions

- V1 USABLE LUGGAGE CAPACITY—Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.
- H195 LIFTOVER HEIGHT. The dimension measured vertically 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.

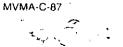
Station Wagon - Third Seat Dimensions

- L85 SgRP COUPLE DISTANCE—THIRD. The dimension measured horizontally from the SgRP—second to the SgRP—third.
- L86 EFFECTIVE LEG ROOM-THIRD. The dimension measured along a line from the ankte pivot center to the SgRP-third plus 254 mm (10.0 in.).
- L87 KNEE CLEARANCE-THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.
- L88 BACK ANGLE-THIRD. Measured in the same mannere as L41.
- L89 HIP ANGLE-THIRD. Measured in the same manner as L43.
- L90 KNEE ANGLE-THIRD. Measured in the same manner as
- 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, measured along a line 8 deg. from the SgRP-third to the head-
- lining rear of vertical plus a constant of 102 mm (4.0 in.).
 H87 SgRP-THIRD TO HEEL POINT.
- PD3 PASSENGER DIRECTION-THIRD.
- SD1 SEAT FACING DIRECTION-THIRD

Station Wagon - Cargo Space Dimensions

- L200 CARGO LENGTH-OPEN-FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the 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-OPÉN-SEČOND. 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.
- 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 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 moves at the zero "X" plane.
- mpv's at the zero "Y" plane.

 L204 CARGO LENGTH AT BELT-FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab backpanel at the height of the belt, on the zero "Y" plane.
- L205 CARGO LENGTH AT BELT-SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to he 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 to the sheet metal.



METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet Dimensions Definitions

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W203	REAR OPENING WIDTH AT FLOOR. The minimum dimen-
	sion measured laterally between the limiting interferences of
	the rear opening at floor level.
W204	REAR OPENING WIDTH AT BELT. The minimum dimen-
	sion 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 di-
	mension measured laterally between the limiting interfer-
	ences of the rear opening above the belt height.
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H197	FRONT SEATBACK TO LOAD FLOOR HEIGHT. The di-
	mension measured vertically from the horizontal tangent to
	the top of the seatback to the undepressed floor covering.
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- H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate on the zero "Y" plane.
- H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.
- H250 TAÍLGATE 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:

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

Measured in mm:

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

- V4 HIDDEN 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.
- V5 TRUCKS AND MPV'S WITH OPEN AREA.
 Measured in inches:

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA. Measured in inches:

$$\frac{1204 \times W500 \times H505}{1728} = ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 \text{ (cubic meter)}$$

- V8 HIDDEN LUGGAGE CAPACITY—REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.
- V10 STATION WAGON CARGO VOLUME INDEX.
 Measured in inches:

$$\frac{\text{H201 x L205 x} \frac{\text{W4} + \text{W201}}{2}}{1728} = \text{ft}^3$$
Measured in mm:

$$\frac{\text{H201 x L205 x} \frac{\text{W4 + W201}}{2}}{10^9} = \text{m}^3 \text{(cubic meter)}$$

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).

- 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.
- 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 ininimum 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 "Y" 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.
- H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The dimension measured vertically from the second seat back to the undepressed floor covering.

V3 HATCHBACK.
Measured in inches:

$$\frac{\text{L208} + \text{L209}_{\text{x}} \text{W4 x H197}}{2} = \text{ft}^{3}$$

Measured in mm:

$$\frac{\frac{\text{L208} + \text{L209}}{2} \times \text{W4} \times \text{H197}}{10^9} = \text{m}^3 \text{ (cubic meter)}$$

- 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:

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

Measured in mm:

$$\frac{L210 + L211}{2} \times W4 \times H198$$
= m³ (cubic meter)

MVMA Specifications Formate Passenger Car METRIC (U.S.: Customary)

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