

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER CORPORATION	Car Line PLYMOUTH SUNDANCE	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised

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

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

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

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Table of Contents

1	Car Models
2	Power Teams
3-6	Engine
4	Lubrication System
4	Diesel Information
5	Cooling System
6	Fuel System
7	Vehicle Emission Control
7	Exhaust System
8-10	Transmission, Axles and Shafts
11	Suspension-Front and Rear
12-13	Brakes
13	Tires and Wheels
14-15	Steering
15-16	Electrical
17	Body – Miscellaneous Information
18	Restraint System
18	Frame
18	Glass
19	Convenience Equipment
20-22	Car and Body Dimensions
23	Vehicle Fiducial Marks
24	Lamps and Headlamps
25	Vehicle Mass (Weight)
26	Optional Equipment Differential Mass (Weight)
27-33	Car and Body Dimensions Definitions - Key Sheets
34	Index

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. **UNLESS OTHERWISE INDICATED:**
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of 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.

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

Car Line PLYMOUTH SUNDANCE
 Model Year 1987 Issued 6 - 20 - 86 Revised (•) _____

Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)
PLYMOUTH SUNDANCE-FWD 2 Door Hatchback	June 1986	PH24	5(2,3)	115
4 Door Hatchback		PH44	5(2,3)	115
PLYMOUTH SUNDANCE-FWD 2 Door Hatchback		PL24	5(2,3)	115
4 Door Hatchback		PL44	5(2,3)	115

(a) Available mid-year
 MVMA C-86

Model Year **1987** Issued **6-20-86** Revised (•)

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

Page 2

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (●) _____

Engine description/Carb.
 Engine Code

2.2L (135.0 in³)
EFI, EDF

2.2L (135.0 in³)
EFI Turbo, EDG

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Four-cylinder, in-line, SOHC, canted, front, transverse	
Manufacturer	Chrysler	
No. of Cylinders	Four	
Bore	87.5 (3.44)	
Stroke (C/L to C/L)	92.0 (3.62)	
Bore spacing (C/L to C/L)	96.0 (3.78)	
Cylinder block mat'l. & mass kg (lbs.) (machined)	Cast Iron 35.79 (78.9)	Cast Iron 35.46 (78.2)
Cylinder block deck height	237.8 (9.36)	
Cylinder block length	418 (16.46)	
Deck clearance (minimum) (above or below block)	0.00	
Cylinder head material & mass kg (lbs.)	Aluminum 9.71 (21.4)	
Cylinder head volume (cm ³)	48.5 - 51.5	
Cylinder liner material	n.a.	
Head gasket thickness (compressed)	1.78 (.070)	
Minimum combustion chamber total volume (cm ³)	Clearance volume: 65.31	Clearance Volume: 73.815
Cyl. no. system	Right to left as installed in car 1, 2, 3, 4	
(front to rear)*		
L. Bank	--	
R. Bank		
Firing order	1, 3, 4, 2	
Intake manifold mat'l. & mass [kg(lbs.)]**	Aluminum 2.62 (5.8)	Aluminum 2.13 (4.7)
Exhaust manifold mat'l. & mass [kg (lbs.)]**	Cast iron 6.23 (13.7)	Cast iron 4.26 (9.4)
Recommended fuel (leaded, unleaded, diesel)	Regular unleaded	Super or premium unleaded
Fuel antiknock index $\frac{R + M}{2}$	87 octane or higher	91 octane or higher (recommended) 87 octane or higher (acceptable)
Total dressed engine mass (wt) dry***	128.64 (283.6)	135.44 (298.6)

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum	
	440 (15.7)	443 (15.2)

Engine - Camshaft

Location	Overhead	
Material & mass kg (weight, lbs.)	Hardenable cast iron	
	2.92 (6.4)	2.95 (6.5)
Drive type	Chain/belt	Belt
	Width/pitch	Width: 24.7 (0.972); Pitch: 9.52 (0.375)

*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: starter, alternator, manifolds, water pump, engine-mounted emission controls, drive belts, oil filter, right engine mount, and throttle controls as required

MVMA Specifications Form
Passenger car
METRIC (U.S. Customary)
Chassis and Body Dimensions

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Engine description/Carb.

Engine Code

2.2L (135.0 in.³)
EFI, EDF, EFI Turbo, EDG

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	Std.
Valves	Number intake/exhaust
	4/4
	Head O.D. intake/exhaust
	40.6 mm. / 35.4 mm.

Engine - Connecting Rods

Material & Mass [kg., (weight lbs.)]	Forged steel (0.63 (1.4))
--------------------------------------	---------------------------

Engine - Crankshaft

Material & Mass [kg., (weight lbs.)]	Nodular iron 15.19 (33.5)
End thrust taken by bearing (no.)	Three
Number of main bearings	Five
Seal (material, one, two piece design, etc.)	Front
	One piece
	Rear
	One piece

Engine - Lubrication System

Normal oil pressure [kPa (psi) at eng. rpm]	25 - 80 psi @ 3000
Type of intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4)

Engine - Diesel Information

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

Engine - Intake System

Turbo - charger - Manufacturer	Garrett
Super - charger - manufacturer	N.A.
Charge cooler	N.A.

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (•)

Engine Description/Carb.
 Engine Code

2.2L (135.0 in ³) EFI - EDF		2.2L (135.0 in ³) EFI Turbo - EDG	
WO/AC	W/AC	WO/AC	W/AC

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Fill through radiator and maintain coolant level in bottle	
Radiator cap relief valve pressure [kPa (psi)]		96-124 (14-18)	
Circulation thermostat	Type (choke, bypass)	Choke, Pellet Operated	
	Starts to open at °C(°F)	90.6 (195)	
Water Pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump RPM	-	
	Number of pumps	One	
	Drive (V-belt, other)	Multi-Groove Belt	
	Bearing type	Integral Ball Bearing	
	Impeller material	Steel	
	Housing material	Cast Aluminum	
By-pass recirculation (type (inter., ext.))		external in series with heater	
Cooling System	With heater - L(qt.)	8.5 (9.0)	
	With air cond. - L(qt.)	--	
Capacity	Opt. equip. [specify - L(qt.)]	--	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Water jackets open at head face (yes, no)		No	
Radiator Core	Std., A/C, HD	-	
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin&tube, mechanical, braze, etc.)	Tube & Fin mech. assembled	Tube & Fin Spacer, Soldered, 1 Row.
	Material, mass[kg(wt., lbs.)] (a)	aluminum (b)	Copper - Brass, 4.44 (9.8) man.; 4.68 (10.3) auto.
	Width	533 (20.98)	533.4 (21.0)
	Height	377.5 (14.86)	387.6 (15.26)
	Thickness	34 (1.34)	17.8 (0.7)
	Fins per inch	14.5	16 (man) / 19 (auto)
Radiator end tank material		Nylon 66	
Fan	Std., elec., opt.	Electric	
	Number of blades & type (flex, solid, material)	2-Blade Metal	5-Blade Plastic
	Diameter & projected width	360(14.2)/46(1.8)	356 (14)/42(1.65)
	Ratio (fan to crankshaft rev.)	-	
	Fan cutout type	Electric Motor	
	Drive type (direct, remote)	-	
	RPM at idle (elec.)	1150	1780 2150
	Motor rating (wattage) (elec.)	44	130 180
	Motor switch (type & loc.) (elec.)	Thermistor, Water Box & A/C	
	Switch point (temp., press.) (elec.)	99 °C (210° F) (Low Speed); 110 °C (230° F) (High Speed)	
	Fan shroud (material)	Metal	Plastic

(a) Mass (weight) shown is for purchased assembly.

(b) 3.13 (6.9) man.; 3.46 (7.6) auto.

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Engine Description/Carb.
 Engine Code

2.2L (135.0 in³) EFI EDF	2.2L (135.0 in³) Turbocharged, EFI EDG
--	--

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

Induction type: carb., fuel inj. sys., etc.			electronic fuel injection	
Carburetor	Mfr.		Bosch or Holly	Bosch
	Choke (type)			
	Idle spd. rpm (spec. neutral or drive and propane if used)	Manual		
		Automatic	700	800
Idle A/F mix				
Fuel Injection	Point of injection (no.)	throttle body (1)	port injection (4)	
	Constant, pulse, flow	pulse		
	Control (electronic, mech.)	electronic		
	System pressure [kPa (psi)]	100 (14.5)	379.6 (55.1) ± manifold vacuum	
Intake manifold heat control (exhaust or water thermostatic or fixed)			water	none
Air cleaner type	Standard	oil-wetted paper element		
	optional	--		
Fuel pump	Type (elec. or mech.)	electric		
	Location (eng., tank)	in fuel tank	in fuel tank	
	Pressure range [kPa (psi)]	116-262 @ 12V & 15 PSI (a)	184-352 @ 12v & 55 PSI (a)	

Fuel Tank

Capacity [refill L (gallons)]		53 (14.0)
Location (describe)		forward of axle
Attachment		Galv. or terne plated strap to floor
Material & mass [kg (weight lbs.)]		terne plated steel 9.34(20.6) terne plated steel 10.16 (22.4)
Filler pipe	Location & material	external, right rear quarter panel; lead dipped steel
	Connection to tank	rubber grommet
Fuel line (material)		duplex-coated steel
Fuel hose (material)		fuel resistant rubber
Return line (material)		duplex-coated steel
Vapor line (material)		terne plated steel
Extended range tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

(a) Flow range (lbs./hr.) @ nominal regulated pressure

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised(*)

Engine Description/Carb.
 Engine Code

2.2L(135.0in³) EFI EDF	2.2L (135.0 in.³) Turbo, EFI EDG
--	--

Vehicle Emission Control

Type (air injection, eng. modifications)		(a)	(b)
Exhaust Emission Control	Air injection	Pump or pulse	pulse
		Driven by	exhaust pressure
		Air distribution (head, manifold, etc.)	single point
		Point of entry	exhaust manifold collector
	Exhaust Gas Recirc- ulation	Type (controlled flow, open orifice, other)	controlled flow
		Exhaust source	manifold collector
		Point of exhaust inj. (spacer, carb., manif., etc.)	intake manifold
	Catalytic Converter	Type	3 - Way + oxidation
		Number of	one
		Location(s)	below exhaust manifold
		Volume [L9in. ³]	1.23(75) 3WC + 0.74(45)ox.
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		closed induction system
	Energy source (manifold, vacuum, carburetor, other)		manifold vacuum
	Discharges (to intake manif., other)		intake manifold
	Air inlet (breather cap, other)		air cleaner
Evapora- tive emis- sion control	Vapor vented to (crank- case, canister, other)	Fuel tank	canister
		Carburetor	--
	Vapor storage position		canister
	Closed loop (yes/no)		yes - hot engine
	Open loop (yes/no)		yes - cold engine

Engine - Exhaust System

Type (single, single with cross-over, dual, other)	single	
Muffler no. & type (reverse flow, straight through separate resonator) Material & mass [kg. (weight lbs.)]	one reverse flow	
	stainless steel 5.13(11.3)	stainless steel 6.07(13.4)
Resonator no. & type	none	
Exhaust pipe	Branch o. d., wall thickness	50.8 x 1.4 (2.00 x 0.055)
	Main o. d., wall thickness	57/63.5 x 1.4 (2.2/2.5 x 0.055)
	Material & mass [kg. (weight lbs.)]	63.5 x 1.4 (2.50 x 0.055)
Intermed- iate pipe	o. d., & wall thickness	stainless steel 5.07(11.2)(c)(d)
	Material & mass [kg. (weight lbs.)]	stainless steel 1.20(2.7)
	o. d., & wall thickness	57/50.8 x 1.4 (2.2/2.0 x 0.055)
Tail pipe	Material & mass [kg. (weight lbs.)]	stainless steel 2.60(5.73)
	o. d., & wall thickness	stainless steel 7.97 (17.6)(e)
Material & mass [kg. (weight lbs.)]		50.8 x 1.1 (2.00 x 0.043)
Material & mass [kg. (weight lbs.)]		stainless steel (see muffler assembly)

(a) aspirator, exhaust gas recirculation, engine modifications, catalytic converter

(b) exhaust gas recirculation, engine modifications, catalytic converter

(c) 4.94 (10.9) California only

(d) Stainless steel 5.30 (11.7)

(d) Includes 1.52 kg.(3.34 lbs.) substrate and stainless steel mesh

(e) Includes 1.56 kg.(3.44 lbs.) - Federal, 1.69 kg.(3.72 lbs.) - California, substrate and stainless steel mesh

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

Car Line **PLYMOUTH SUNDANCE**
 Model Year **1987** Issued **6-20-86** Revised (●) _____

Engine Description/Carb.
 Engine Code

2.2L (135.0 in ³) EFI EDF	2.2L (135.0 in ³) TURBO EFI EDG
---	---

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 4-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 5-speed (std., opt., n.a.) (mfr.)	standard (CHRYSLER)
Manual overdrive (std., opt., n.a.) (mfr.)	N.A.
Automatic (std., opt., n.a.) (mfr.)	optional (CHRYSLER)
Automatic overdrive (std., opt., n.a.) (mfr.)	N.A.

Manual Transmissions/Transaxle

Number of forward speeds		5
Transmission ratios	In first	3.29
	In second	2.08
	In third	1.45
	In fourth	1.04
	In fifth	0.72
	In overdrive	--
	In reverse	3.14
Synchronous meshing (specify gears)		all forward gears
Shift lever location		floor
Lubricant	Capacity [L(pt.)]	2.3L (4.81 pt.)
	Type recommended	API SF/CC
	SAE viscosity number	Summer SAE 5W-30
		Winter SAE 5W-30
		Extreme cold SAE 5W-30

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Luk, dry disc cable	Fichtel and Sachs, dry disc cable
Assist (yes, no/percent)		no	
Type pressure plate springs		belleville	
Total spring load [N(lb.)]		4400 (989)	5800 (1304)
No. of clutch driven discs		one	
Clutch facing	Material	woven asbestos	
	Manufacturer	Textar	
	Part Number	A302297201	181862101001
	Rivets/Plate	16	
	Rivet Size	9.50 (0.374)	9.5 (.374)
	Outside & inside diameter	215 x 154 (8.46 x 6.06)	228 x 150 (8.98 x 5.91)
	Total eff. area (cm ² (in ²))	353.6 (54.8)	438.0 (67.9)
	Thickness	3.45 (0.136)	3.5 (0.138)
Engagement cushion method		wave spring segments	
Release Bearing	Type & method of lubrication	angular contact ball bearing, permanently lubed with grease	
Torsional Damping	Method: springs, frictional material	coil springs and fiber friction washers	

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Engine Description/Carb.
 Engine Code

2.2L(135.0in³) EFI EDF	2.2L(135.0in³) EFI Turbo EDG
--	--

Automatic Transmission/Transaxle

Trade Name		Torqueflite	
Type and special features (describe)		Torque Converter with Automatically Operated Planetary Transmission and Parallel Axis Final Drive	
Selector	Location	Floor	
	Ltr./No. designation	PRND21	
Gear ratios	R	2.10	
	D	2.69, 1.55, 1.00	
	L ₁	-	
	L ₂	2.69, 1.55	
	L ₃	2.69	
Max. upshift speed - drive range [km/h (mph)]		113 (70)	129 (80)
Max. kickdown speed - drive range [km/h (mph)]		105 (65)	119 (74)
Min. overdrive speed [km/h (mph)]		-	
Torque converter	Number of elements	Three	
	Max. ratio at stall	2.00:1	
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	241 (9.5)	
Lubricant	Capacity [refill L (pt.)]	8.40 (17.75) (a)	
	Type recommended	Mopar ATF Plus (Auto. Trans. Fluid - Type 7176)(b)	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Std, Internal Liquid	

Axle or Front Wheel Drive Unit

Type (front, rear)		Front	
Description		Transaxle	
Limited slip differential (type)		N.A.	
Drive pinion offset		-	
Drive pinion (type)		Helical	
No. of differential pinions		Two	
Pinion/differential adjustment (shim, other)			
Pinion/differential bearing adjustment (shim, other)		Shim	
Driving wheel bearing (type)		Double Row Ball	
Lubricant	Capacity [L (pt.)]	see transaxle	
	Type recommended	see transaxle	
	SAE viscosity number	Summer	see transaxle
		Winter	see transaxle
		Extreme cold	see transaxle

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

Axle ratio (or overall top gear ratio)		2.51	3.02
No. of teeth	Pinion	14	21
	Ring gear or gear	49	60
Ring gear o.d.		197.46 (7.77)	187.40 (7.38)
Transaxle	Transfer gear ratio	--	1.06
	Final drive ratio	3.50	2.86

- (a) Torque Converter, Transmission & Differential
 (b) Dexron II ATF may be used, only if Mopar ATF is not available.

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

Car Line PLYMOUTH SUNDANCE

Model Year 1987 Issued 6-20-86 Revised (•) _____

Engine Description/Carb.
 Engine Code

2.2L (135.0 in. ³) EFI, EDF	2.2L (135.0 in. ³) EFI Turbo, EDG
--	--

Axle Shafts - Front Wheel Drive

Number used		Two	
Type (straight, solid bar, tubular, etc.)		Solid bar	
	Left	Tube	Solid bar
	Right		
Outer diam. x length* x wall thick-ness	Manual transmission	Left	(a)
		Right	(c)
	Automatic transmission	Left	(a)
		Right	(c)
	Optional transmission	Left	-
		Right	-
Slip Yoke	Type	-	
	Number of teeth	-	
	Spline o.d.	-	
Universal joints	Make and mfg. no.	Inner	(d)
		Outer	(e)
	Number used		Two
	Type, size, plunge	Inner	Tripod plunge
		Outer	Rzeppa-fixed
	Attach (u-bolt, clamp, etc.)		-
	Bearing	Type (plain, anti-friction)	-
		Lubrication (fitting, prepack)	Prepack
Drive taken through (torque tube, arms or springs)		-	
Torque taken through (torque tube, arms or springs)		-	

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

- (a) GKN-US: 24.2 x 333.2 (0.95 x 13.12) or Citroen: 22.9 x 333.3 (0.90 x 13.12) or SSG: 23.9 x 327.5 (0.94 x 12.89) or GKN-Eur 22.9 x 334.5 (0.90 x 13.17)
- (b) GKN-Eur: 40.5 x 600.8 x 2.7 (1.59 x 23.65 x 0.10) or GKN-US: 40.5 x 603.3 x 3.72 (1.59 x 23.75 x 0.146) or Citroen: 40 x 598.3 x 3.2 (1.57 x 23.56 x 0.126) or SSG: 38.0 x 591.1 x 5.0 (1.50 x 23.27 x 0.197)
- (c) GKN-Eur: 22.9 x 331.4 (0.90 x 13.05) or SSG: 23.8 x 327.5 (0.94 x 12.89) or Citroen: 22.9 x 333.2 (0.90 x 13.12)
- (d) GKN-Eur: Gi69 or Citroen or GKN-US C-2000 or SSG #19
- (e) GKN-Eur: 92 AC or Citroen or GKN-US C-2000 or SSG #23
- (f) GKN-Eur: 95AC or Citroen or SSG #23

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Body Type And/Or
 Engine Displacement

Standard (SDA)	Heavy Duty (SDB)	Firm Feel (SDC)
----------------	------------------	-----------------

Suspension - General

Car leveling	Std./opt./n.a.	N.A.	
	Type (air, hyd., etc.)	-	
	Manual/auto controlled	-	
Provision for brake dip control		Inclined Control Arm Strut	
Provision for accl. squat control		None	
Provisions for car jacking		Scissors Type Sill Jack Jack Supports Located at Each End of Body Sills	
Shock absorber (front & rear)	Type	Gas-charged-Hydraulic	
	Make	Front: Delco Rear: Monroe or Maremont	
	Piston diameter	Front: 32 (1.26); Rear: 30.2 (1.19)	
	Rod diameter	Front: 20 (0.79) Rear: 12.7 (0.50)	

Suspension - Front

Type and description		Iso-Strut	
Drive and torque taken through		-Lower control arm	
Travel	Full jounce	94 (3.70)	
	Full rebound	106 (4.12)	
Spring	Type (coil, leaf, other) & mat'l.	Coil; AISI 5160H Chromium Alloy Steel	
	Insulators (type & material)	Compression: Rubber	
	Size (coil design height & i.d. bar length x dia.)	216 x 152 I.D. (8.5 x 6.0) I.D.	
	Spring rate [N/mm (lb./in.)]	14.9 (85)	21.0 (120)
	Rate at wheel [N/mm (lb./in.)]	18.4 (105)	24.5 (140)
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & bar diameter	AISI 1090 Spring Steel: 25.4 (1.00)	27.0 (1.06)

Suspension - Rear

Type and description		Trailing Flex-arm with track bar	
Drive and torque taken through		Arm	
Travel	Full jounce	102 (4.02)	
	Full rebound	(3.54)	
Spring	Type (coil, leaf, other) & mat'l.	Coil: AISI 5160H Chromium Alloy Steel	
	Size (length x width, coil design height & i.d., bar length x dia.)	229 x 102 I.D. (9.0 x 4.01 I.D.)	
	Spring rate [N/mm (lb./in.)]	28 (160)	
	Rate at wheel [N/mm (lb./in.)]	17.8 (102) curb position	
	Insulators (type & material)	Compression: Rubber	
	If leaf	-	
	No. of leaves	-	
Stabilizer	Type (link, linkless, frameless)	--	
	Material & bar diameter	--	
Track bar (type)		Channel type	

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

Car Line **PLYMOUTH SUNDANCE**
 Model Year **1987** Issued **6-20 - 86** Revised (•) _____

Body Type And/Or
 Engine Displacement

2.2L (135.0in³)
EFI, EDF Lowline

2.2L (135.0in³)
Turbo EFI, EDG

Brakes - Service

Description			four-wheel hydraulic actuated system		
Brake type (std., opt., n.a.)		Front (disc or drum)	disc		
		Rear (disc or drum)	drum		
Self-adjusting (std., opt., n.a.)			standard		
Special valving	Type (proportion, delay, metering, other)		dual proportioning valve		
Power brake (std., opt., n.a.)			standard		
Booster type (remote, integral, vac., hyd., etc.)			vacuum, single or tandem		
Vacuum source (inline, pump, etc.)			intake manifold		
Vacuum reservoir (volume in. ³)			--		
Vacuum pump-type (elec, gear driven, belt driven, if other so state)			--		
Anti-skid device type (std., opt., n.a.) (F/R)			N. A.		
Effective area [cm ² (in. ²)]* (F/R)			391 (60.6)	423.12 (65.58)	
Gross lining area [cm ² (in. ²)]** (F/R)			406.10 (62.95)	456.90 (70.82)	
Swept area[cm ² (in. ²)]*** (F/R)			1349.32 (209.15)	1681.10 (260.57)	
Rotor	Outer working diameter	F/R	front: 235.7 (9.28)	front: 256.2 (10.09)	
	Inner working diameter	F/R	front: 159.7 (6.29)	front: 158.2 (6.23)	
	Thickness	F/R	front: 24.0 (0.945)	front: 24.0 (0.945)	
	Material & type (vented/solid)	F/R	front: damped cast iron, vented		
Drum	Diameter & width	F/R	rear: 200 (7.87) x 37.62 (1.48)		
	Type and material	F/R	rear: cast composite		
Wheel cylinder bore			front: 54 (2.13); rear: 15.87 (0.625)		
Master cylinder	Bore/stroke	F/R	21.0 (0.827)/32.79 (1.291)		
Pedal arc ratio			all: 3.28:1		
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			power: 9854 (1390)		
Lining clearance			no major adjustments		
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seq.)		bonded	riveted: 6/shoe
		Rivet size		--	4.65 (0.18) dia. x 7.5 (0.3)
		Manufacturer		Chrysler	Bendix
		Lining code *****		CW - K - FF	BX-JD-EE
		Material		molded metallic	
		****	Primary or out-board	3700 x 12.45 (5.74 x 0.490)	4970 x 11.08(7.70 x 0.436)
		Size	Secondary or in-board	3700 x 12.45 (5.74 x 0.490)	4970 x 11.08 (7.70 x 0.436)
		Shoe thickness (no lining)		5.30 (0.209)	5.33 (0.210)
	Rear wheel	Bonded or riveted (rivets/seq.)		riveted, 10/shoe	
		Manufacturer		Bendix	
		Lining code *****		--	
		Material		rolled asbestos	
		****	Primary or out-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)	
		Size	Secondary or in-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)	
		Shoe thickness (no lining)		2.17 (0.0854)	

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept area for 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.

(a) area x thickness

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (•)

Body Type And/Or
 Engine Displacement

**2.2L EDF
 HIGHLINE**

Brakes - Service

Description			four-wheel hydraulic actuated system	
Brake type (std., opt., n.a.)		Front (disc or drum)	disc	
		Rear (disc or drum)	drum	
Self-adjusting (std., opt., n.a.)			standard	
Special valving	Type (proportion, delay, metering, other)		dual proportioning valve	
Power brake (std., opt., n.a.)			standard	
Booster type (remote, integral, vac., hyd., etc.)			vacuum, single or tandem	
Vacuum source (inline, pump, etc.)			intake manifold	
Vacuum reservoir (volume in. ³)			--	
Vacuum pump-type (elec. gear driven, belt driven, if other so state)			--	
Anti-skid device type (std., opt., n.a.) (F/R)			N. A.	
Effective area [cm ² (in. ²)]* (F/R)			410.64 (63.65)	
Gross lining area [cm ² (in. ²)]** (F/R)			438.98 (68.04)	
Swept area[cm ² (in. ²)]*** (F/R)			1632.57 (253.05)	
Rotor	Outer working diameter		F/R	front: 254.8 (10.03)
	Inner working diameter		F/R	front: 160.8 (6.33)
	Thickness		F/R	front: 24.0 (0.945)
	Material & type (vented/solid)		F/R	front: damped cast iron, vented
Drum	Diameter & width		F/R	rear: 200 (7.87) x 37.62 (1.48)
	Type and material		F/R	rear: cast composite
Wheel cylinder bore			front: 54 (2.13); rear: 15.87 (0.625)	
Master cylinder	Bore/stroke		F/R	21.0 (0.827)/32.79 (1.291)
Pedal arc ratio			all: 3.28:1	
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			power: 9854 (1390)	
Lining clearance			F/R	no major adjustments
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seq.)		riveted, 6/shoe
		Rivet size		3.57 (0.14) dia. x 7.57 (0.3)
		Manufacturer		Bendix
		Lining code *****		BX-JD-EE
		Material		molded metallic
		****	Primary or out-board	4764 x 11.34 (7.38 x 0.446)
		Size	Secondary or in-board	4280 x 12.34 (6.36 x 0.486)
		Shoe thickness (no lining)		outer: 4.83 (0.190); inner: 5.68 (0.224)
	Rear wheel	Bonded or riveted (rivets/seq.)		riveted, 10/shoe
		Manufacturer		Bendix
		Lining code *****		--
		Material		rolled asbestos
		****	Primary or out-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)
		Size	Secondary or in-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)
		Shoe thickness (no lining)		2.17 (0.0854)

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept area for 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.

(a) area x thickness

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

Car Line PLYMOUTH SUNDANCE

Model Year 1987

Issued 6-20-86

Revised (•) _____

Body Type And/Or
 Displacement

L-Series	H-Series
----------	----------

Tires and Wheels (Standard)

Tires	Size (load range)		P165/80 R 13, SL	P185/70 R 14, SL
	Type (bias, radial, etc.)		Steel Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)	
		Rear [kPa (psi)]	240 (35)	
	Rev./mile - at 70 km/h (45 mph)		894	862
Wheels	Type & material		steel disc	steel disc
	Rim (size & flange type)		13 x 5.0 JB	14 x 5.5 JJ
	Wheel offset		40 (1.6)	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	100 (3.94)	
		Number & size	5 - M12 x 1.5mm	
Spare	Tire and wheel (same, if other describe)		(a)	T115/70D14 Compact spare 14 x 4.0 T steel disc wheel
	Storage position & location (describe)		Horizontal-Rear Floor Pan Under Cargo Floor	

Tires and Wheels (Optional)

Size (load range.)		P185/70 R14, SL
Type (bias, radial, etc.)		steel radial
Wheel (type & material)		cast aluminum
Rim (size, flange type and offset)		14 x 5.5 JJ--40 mm (1.6 in.)
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Size (load range, ply)		
Type (bias, radial, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		none Same as road wheel same location as standard tire

Brakes - Parking

Type of control		foot operated pedal/hand release lever
Location of control		lower left end of instrument panel
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	-
	Drum diameter	-
	Lining size (length x width x thickness)	-

(a) P 165/75 D 13 Low Mileage Spare w/o A/C
 T115/70D14 compact spare on 14 x 4.0 T steel disc wheel with A/C

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised (●) _____

Body Type And/Or
 Engine Displacement

ALL

Steering Manual (std., opt., n.a.)

Manual (std., opt., n.a.)				NA	
Power (std., opt., n.a.)				STD	
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt	
		(Std., opt., n.a.)		OPT	
Wheel diameter (W9) SAE J1100		Manual		NA	
		Power		381 (15)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		11 (36.2)	
		Curb to curb (l. & r.)		10.3 (33.9)	
	Inside rear	Wall to wall (l. & r.)		5.7 (18.75)	
		Curb to curb (l. & r.)		5.8 (19.0)	
Scrub Radius*				-7 (-0.28)	
Manual	Gear	Type		--	
		Make		--	
		Ratios	Gear	--	
			Overall	--	
	No. wheel turns (stop to stop)			--	
Power	Type (coaxial, linkage, etc.)			integral power gear	
	Make			TRW	
	Gear	Type		rack and pinion with integral power unit	
		Ratios	Gear	--	
			Overall	14.2:1	
	Pump (drive)			pulley and belt, off crankshaft	
	No. wheel turns (stop to stop)			2.5: 1	
Linkage	Type			rack and pinion (rod and ball directly attached to gear)	
	Location (front or rear of wheels, other)			rear of wheels	
	Tie rods (one or two)			2 (tie rod inners integral with rack and pinion gear)	
Steering Axis	Inclination at camber (deg.)			13.36	
	Bearings (type)	Upper		ball bearing	
		Lower		ball joint	
		Thrust		ball bearing	
Steering spindle & joint type				Iso-Strut with lower ball joint	
Wheel spindle	Diameter	Inner bearing			76/40 (3.0/1.57) dia.; 28/33 (1.1/1.3) wide
		Outer bearing			--
	Thread (size)			M22 x 1.5	
	Bearing (type)			double row Unipack ball or tapered roller bearing	

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

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

Car Line **PLYMOUTH SUNDANCE**
 Model Year **1987** Issued **6-20-86** Revised (●) _____

Body Type And/Or
 Engine Displacement

ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	-
		Camber (deg.)	-0.2° to +0.8°
		Toe-in (deg.)	0.4° Toe-in to 0.2° Toe-out
	Service reset*	Caster	Not adjustable
		Camber	Same as above
		Toe-in	Same as above
	Periodic M.V. inspection	Caster	-
		Camber	-
		Toe-in	-
Rear wheel at curb mass (wt.)	Service checking	Camber	-1.3° to +0.3°
		Toe-in (outside track-mm (in.))	0.6° Toe-out to 0.6° Toe-in (a)
	Service reset*	Camber	Same as above (shim)
		Toe-in	Same as above (shim)
	Periodic M.V. inspection	Camber	-
		Toe-in	-

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

Electrical - Instruments and Equipment

Speed-ometer	Type	Magnetic torque drive
	Trip odometer (std., opt., n.a.)	Std. (b)
EGR maintenance indicator		-
Charge indicator	Type	Voltmeter
	Warning device	-
Temp. Indicator	Type	Magnetic gage
	Warning device	-
Oil pressure indicator	Type	Light
	Warning device	-
Fuel indicator	Type	Magnetic gage
	Warning device	Light (OPT with turbo message center)
Wind shield wiper	Type (standard)	Electric 2-speed non-depressed park
	Type (optional)	Electric 2-speed, intermittent wipe
	Blade length	457 (18)
	Swept area [cm ² (in. ²)]	5697 (883)
Windshield washer	Type (standard)	Electric (arm-mounted)
	Type (optional)	-
	Fluid level indicator	optional
Horn	Type mm (in.)	89 mm (3.5 in.) seashell
	Number used	1 (low note)
Other		

(a) Measurements are measured in degrees, not mm (in.)
 (b) Optional in 87½

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

Car Line PLYMOUTH SUNDANCE
 Model Year 1987 Issued 6-20-86 Revised (e) _____

Engine Description/Carb.
 Engine Code

2.2L (135.0 in. ³)	
EFI, EDF	EFI Turbo, EDG

Electrical - Supply System

Battery	Make	Mopar	
	Model, std., (opt.)	Group 26 (Group 34)	Group 34
	Voltage	12V	
	Amps at 0°F cold crank	335 (500)	400(500)
	Minutes-reserve capacity	62 (110)	100(110)
	Amp/hr. - 20 hr. rate	42 (66)	60 (66)
	Location	Left front fender side shield	
Alternator	Manufacturer	Chrysler or Robert Bosch	
	Rating	90 Amp	
	Ratio (alt. crank/rev.)	2.4:1	
	Optional (type & rating)	-	
Regulator	Type	(a)	

Electrical - Starting System

Start, motor	Current drain at 0°F	210-250A
Motor drive	Engagement type	Solenoid shift
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	n.a.		
	Other (specify)	(a)		
Coil	Make	UTC	Prestolite	Diamond
	Model	5226865	5227372	5227252
	Current	Engine stopped - A		
		3.0A		
Spark plug	Make	Champion		
		RN12YC		
	Thread (mm)	14 mm		
	Tightening torque [N-m (lb-ft)]	28 (20)		
	Gap	0.9 (0.035)		
	Number per cylinder	one		
Distributor	Make	Chrysler		
	Model	5226575	5226525	

Electrical - Suppression

Locations & type	
------------------	--

(a) Engine control computer with electronic spark advance and voltage regulator

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

Body

Structure

Bumper system
front - rear

Front - Ultra High Strength Steel
120,000 psi 11.3 kg. (25lbs.)

Rear- Ultra High Strength Steel
120,000 psi 10.0 kg.(22lbs.)

Anti - corrosion treatment

Extensive use of galvanized steel

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Buffable acrylic enamel
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Counterbalanced, clockspring
	Release control (internal, external)	Internal
Trunk-lid	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Gas pressurized struts
	Internal release control (elec., mech., n.a.)	Mechanical
Station Wagon		
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Flex-O-Lator Mat
	Rear	Full volume foam
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Flex-O-Lator Mat
	Rear	Full volume foam
	3rd seat	--

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised (•) _____

Body Type

24

44

Restraint System

Active restraint system	Standard/optional	Standard	
	Type and description	Front: Lap and shoulder belt	Rear: Lap belt
	Location	Front: two Rear: three	
Passive seat belts	Standard/optional	-	
	Power/manual	-	
	2 or 3 Point	-	
	Knee bar/lap belt	-	

Frame

Type and description (separate frame, unitized frame, partially unitized frame)		Unitized construction	
Glass	SAE Ref. No.		
Windshield glass exposed surface area [cm ² (in ²)]	S1	9064(1405)	
Side glass exposed surface area [cm ² (in ²)]	S2	9352 (1450)	9952 (1543)
Backlight glass exposed surface area [cm ² (in ²)]	S3	6794(1053)	
Total glass exposed surface area [cm ² (in ²)]	S4	25210(2908)	25810(3011)
Windshield glass (type)		Laminated safety glass	
Side glass (type)		Heat treated safety glass	
Backlight glass (type)		Heat treated safety glass	

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

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

Air conditioning (manual, auto, temp. control)		Manual - Opt.
Clock (digital, analog)		Digital - Std. with radio
Compass/thermometer		N.A.
Console (floor, overhead)		Floor mini console-Std. (a)
Defroster, elec. backlight		Opt.
Electronic	Diagnostic warning (integrated, individual)	Std.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Trip minder (avg. spd. fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	
Fuel door lock (remote, key, electric)		N.A.
Lamps	Auto head on/off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map reading)	Opt.
	Door lock, ignition	Opt.
	Engine compartment	Opt.
	Fog	N.A.
	Glove compartment	Opt.
	Trunk	Opt.
	Other	Ash receiver
Mirrors	Day/night (auto, man.)	Manual - Std.
	L.H. (remote, power, heated)	Remote manual - Std - Power- Opt.
	R.H. (convex, remote, power, heated)	Opt. - All
	Visor vanity (RH/LH, illuminated)	RH non-illuminated - Std. Illuminated - Opt.
Parking brake - auto release (warning light)		Std.
Power equipment	Door locks/deck lid - specify	Door locks - Opt.
	Seat (2-4-6 way)	
	heated (driver, pass., other)	N.A.
	lumbar, hip, thigh support (power, manual)	
	reclining (driver, pass.)	
	memory (1-2 preset, recline)	
	Side windows	Doors only on 24 - Opt.
	Vent windows	N.A.
Radio Systems	Rear windows	N.A.
	Antenna (location, whip, w/shield, power)	Whip - Std. - Right front fender
	AM, FM, stereo, tape, CB	(b)
Roof open air/fixed (flip-up, sliding, "T")	Speaker (number, location) Premium sound	(c)
		Flip up or removable sunroof - Opt.
Speed control device		Opt.
Speed warning device (light, buzzer, etc.)		N.A.
Tachometer (rpm)		Std.
Telephone system - mobile		N.A.
Theft protection-type		Inside Hood Release-Std. Glove Box Lock-Std. Locking Steering Column-Std. Anti-theft Labels-Std.

(a) Full length floor console with center arm rest - Opt.

(b) AM - Std. AM/FM Stereo - Opt. AM/FM Stereo with Cassette - Opt.

(c) AM radio - 1 speaker in instrument panel AM/FM Stereo 2 speakers in door and 2 speakers in rear shelf.

MVMA Specifications Form

Passenger car

METRIC (U.S. Customary)

Cae and Body Dimensions

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86** Revised(•)

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.

Body Type	SAE Ref. No.	24	44
-----------	--------------	----	----

Width

Tread (front)	W101	1464 (57.6)	
Tread (rear)	W102	1453 (57.2)	
Vehicle width	W103	1710 (67.3)	
Body width at SqRP (front)	W117	1708 (67.2)	
Vehicle width (front doors open)	W120	4074 (160.4)	3431 (135.1)
Vehicle width (rear doors open)	W121		3297 (129.8)
Front fender overall width	W106	1670 (65.7)	
Rear fender overall width	W107	1710 (67.3)	
Tumble-home (deg.)	W122	24°	

Length

Wheelbase	L101	2463 (97)	
Vehicle length	L103	4361 (171.7)	
Overhang (front)	L104	974 (38.3)	
Overhang (rear)	L105	924 (36.4)	
Upper structure length	L123	2413 (95)	
Rear wheel C/L "X" coordinate	L127	2552 (100.5)	
Cowl point "X" coordinate	L125	486 (19.1)	
Front end length at centerline	L126	1350 (53.1)	
Rear end length at centerline	L129	598 (23.5)	

Height*

Passenger distribution (front/rear)	PD 1,2,3	2 - Front	3 - Rear
Trunk/cargo load		--	
Vehicle height	H101	1339 (52.7)	
Cowl point to ground	H114	911 (35.9)	
Deck point to ground	H138	922 (36.3)	
Rocker panel front to ground	H112	203 (8.0)	
Bottom of door closed front to ground	H133	235 (9.3)	241 (9.5)
Rocker panel rear to ground	H111	173 (6.8)	
Bottom of door closed rear to ground	H135	--	231 (9.1)
Windshield slope angle	H122	56°	
Backlight slope angle	H121	54°	

Ground Clearance

Front bumper to ground	H102	246 (9.7)	
Rear bumper to ground	H104	261 (10.3)	
Bumper to ground (front at curb mass (wt.))	H103	263 (10.4)	
Bumper to ground (rear at curb mass (wt.))	H105	344 (13.5)	
Angle of approach (degrees)	H106	16°	
Angle of departure (degrees)	H107	16°	
Ramp breakover angle (degrees)	H147	12°	
Axle differential to ground (front/rear)	H153	Front 141 (5.6)	
Min. running ground clearance	H156	117 (4.6)	
Location of min. run. ground clearance		Frt. Susp. C'mbr. Brkt. (left hand side)	

* All vehicle height and ground clearance are made at the Manufacturer's Design Load Weight unless otherwise noted

Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form
Passenger car
METRIC (U.S. Customary)
Cae and Body Dimensions

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

See Key Sheets for Definitions

Body Type

SAE Ref. No.	24	44
--------------	----	----

Front Compartment

SqRP front, "X" coordinate	L31	1398 (55.0)	
Effective head room	H61	973 (38.3)	
Max. eff. leg room (accelerator)	L34	1055 (41.5)	
SqRP to heel point	H30	271 (10.7)	
SqRP to heel point	L53	841 (33.1)	
Back angle	L40	24°	
Hip angle	L42	96°	
Knee angle	L44	123°	
Foot angle	L46	87°	
Design H - point front travel	L17	197 (7.8)	
Normal driving & riding seat track trvl.	L23	178 (7.0)	
Shoulder room	W3	1382 (54.4)	1390 (54.7)
Hip room	W5	1404 (55.3)	1408 (55.4)
Upper body opening to ground	H50	1101 (43.3) to "O"	
Steering wheel maximum diameter*	W9	381 (15.0)	
Steering wheel angle	H18	26°	
Accel. heel pt. to steering wheel center	L11	497 (19.6)	
Accel. heel pt. to steering wheel center	H17	637 (25.1)	
Steering wheel to C/L of thigh	H13	86 (3.4)	
Steering wheel torso clearance	L7	318 (12.5)	
Headlining to roof panel	H37	17 (0.7)	
Undepressed floor covering thickness	H67	22 (0.9)	

Rear Compartment

SqRP Point couple distance	L50	740 (29.1)	
Effective head room	H63	949 (37.4)	
Min. effective leg room	L51	864 (34.0)	
SqRP (second to heel)	H31	281 (11.1)	
Knee clearance	L48	-25 (-1.0)	
Compartment room	L3	614 (24.2)	
Shoulder room	W4	1334 (52.5)	1384 (54.5)
Hip room	W6	1206 (47.5)	1136 (44.7)
Upper body opening to ground	H51	N.A.	1106 (43.5) to "O"
Back angle	L41	25°	
Hip angle	L43	83°	
Knee angle	L45	84°	
Foot angle	L47	119°	
Headlining to roof panel (second)	H38	21 (0.8)	
Depressed floor covering thickness	H73	13 (0.5)	

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	N.A.
Liftover height	H195	

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Subcompact
Interior volume index (cu. ft.)	101.9	102.4
Trunk/cargo index (cu. ft.)	13.2	13.7

* See Page 14

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

MVMA Specifications Form
Passenger car
METRIC (U.S. Customary)
Car and Body Dimensions

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

See Key Sheets for Definitions

Body Type

SAE Ref. No.	24	44
--------------	----	----

Station Wagon - Third Seat

SgRP couple distance	L85	
Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Seat facing direction	SD1	
Back angle	L88	
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	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max. rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m ³ (ft. ³)]	V2	
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume index-rear of 2-seat	V10	

Hatchback - Cargo Space

Cargo length at front seatback height	L208	928 (36.5)	
Cargo length at floor (second)	L209	1602 (63.1)	
Cargo length at second seatback height	L210	270 (10.6)	
Cargo length at floor (second)	L211	880 (34.6)	
Front seatback to load floor height	H197	560 (22.0)	
Second seatback to load floor height	H198	989 (19.3)	
Cargo volume index[m ³ (ft. ³)]	V3	0.943 (33.29)	0.935 (33.03)
Hidden cargo volume [m ³ (ft. ³)]	V4		
Cargo volume index-rear of 2-seat	V10	0.375 (13.25)	0.372 (13.15)

Aerodynamics*

Wheel lip to ground, front		
Wheel lip to ground, rear		
Frontal area [m ² (ft. ²)] (c)		1.98 (21.33)
Drag coefficient (Cd)		N.A.

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

*EPA Loaded Vehicle Weight, Loading Conditions

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		The center of gauge holes located in front longitudinal approximately 836 mm (32.9 in.) from centerline of front wheels.
Rear		The center of gauge holes located in rear longitudinal approximately 3057 mm (120.4 in) from the centerline of front wheels.
Front	W21	433.5 (17.1)
	LS4	925 (36.4)
	H81	-9 (-0.35) Bottom surface of Longitudinal
	H161	
	H163	
Rear	W22	527.6 (20.8)
	LS5	3452.4 (135.9)
	H82	236 (9.3) Bottom Surface of Longitudinal
	H162	
	H164	

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

All linear dimensions are in millimeters (inches).

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised(*)

Body Type

All

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	635.1 (25.0)
		Lowest	--
	Taillamp (SAE - H128)	Highest**	691.2 (27.2)
		Lowest	688.2 (27.1)
	Sidemarker	Front	489.6 (19.3)
		Rear	688.2 (27.1)
Distance from centerline of car to center of bulb or marker	Headlamp	Inside	--
		Outside**	528 (20.8)
	Taillamp	Inside	629 (24.8)
		Outside**	733 (28.9)
	Directional	Front	555 (21.9)
		Rear	629 (24.8)

Halogen headlamp (std., opt., n.a.)	Lo beam	standard
	Hi beam	standard
	Replaceable bulb	N.A.
	Shape	Rectangular
Headlamp other than above	Lo beam	--
	Hi beam	--
	Replaceable bulb	--
	Shape	--
	Type	--

* Measured at curb mass (weight)

** If single lamps are used enter here.

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

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised(a)

Estimated

	Vehicle Mass (Weight)							
Model	CURB MASS, kg (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb.)**
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
2.2L (135.0 in. ³) EDF engine								
Two door - hatchback	699	447	1146	47	53	17	83	1116
	(1541)	(986)	(2527)					(2461)
Four door - hatchback	704	456	1163	47	53	17	83	1133
	(1553)	(1012)	(2565)					(2499)
2.2L (135.0 in. ³) EDG engine								
Two door - hatchback	719	448	1167	47	53	17	83	1137
	(1586)	(988)	(2574)					(2508)
Four door - hatchback	725	460	1185	47	53	17	83	1155
	(1598)	(1014)	(2612)					(2546)

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

** Shipping mass (weight) definition-

MVMA Specifications Form

Passenger car

METRIC (U.S. Customary)

Car Line **PLYMOUTH SUNDANCE**

Model Year **1987** Issued **6-20-86** Revised(*)

Estimated

[illegible]

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