AMA Specifications – Passenger Car

Data prepared and distributed by American automobile manufacturers, using uniform questionnaire form developed by car manufacturers under auspices of the Automobile Manufacturers Association.

MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED** 4-7-59

COMPANY DESOTO DIVISION - CHRYSLER CORPORATION

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
FireSweep	MS1-L		
Firedome	MS2-M		
FireFlite	MS3-H		
Adventurer	MS3-H		

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NOTES:

1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.

UNLESS OTHERWISE INDICATED:

2. All specifications are standard for the models under which they are listed.
3. Specifications apply basically to 4-door sedan or equivalent. Body dimensions shown on pages 19-24 include other body models available.
4. All dimensions are nominal engineering dimensions.

GENERAL SPECIFICATIONS

MODEL		Additional Information Page No.:	FireSweep MS1 Except Sta. Wag.	FireSweep MS1 Station Wagon	Firedome MS2	FireFlite MS3 Except Sta. Wag.	FireFlite MS3 Station Wagon	Adventurer MS3-H (d)
Wheelbase (L-101)		22	122		126			
Tread	Front (W-101)	23	60.9					
	Rear (W-102)	23	59.8					
Maximum Overall Dimensions	Length (L-103)	22	217.1 (a)	216.1	221.1 (b)		220.1	221.1
	Width (W-103)	23	78.7					
	Height (H-101)	21	(e)	57.1	(f)	(g)	57.4	55.0
Transmission—(Specify trade name - opt., not available)	Manual	12	Standard			N/A		
	Overdrive	13	N/A					
	Automatic	13	Special - PF or TF			Standard - TF		
Axle ratio	Manual	14	3.54			---		
	Overdrive	14	---					
	Automatic	14	3.31					
Tire size		15	8.00 x 14 (c)		8.50 x 14			
Engine	Type, no. cyl., valve arr.	2	OHV, 90° V-8					
	Fuel system (Carb. or inj.)	6	2 bbl			4 bbl		2, 4 bbl
	Bore and stroke	2	4.12 x 3.38		4.25 x 3.38			
	Piston displ., cu. in.	2	361		383			
	Std. compression ratio	2	10.0		10.1			
	Max. bhp at engine rpm	2	295 at 4600		305at4600	325 at 4600		350 at 5000
	Max. torque at rpm	2	390 at 2400		410at2400	425 at 2800		425 at 3600

NOTE: PF - PowerFlite TF - TorqueFlite N/A - Not Available

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(a) With Special Equipment Front and Rear Guards; Without Guards - 215.5
(b) Std. Fireflite & Adventurer. Firedome without spec. equip. bumper guards - 219.5
(c) All 3-seat Station Wagons use 4 Captive-Air Tires.
(d) Adventurer Engine Package is available on all Models at extra cost.
(e) 4-Dr. Sedan - 56.8; 4-Dr. HT - 54.9; 2-Dr. HT - 54.8
(f) 4-Dr. Sedan - 57.1; 4-Dr. HT - 55.2; 2-Dr. HT - 55.1
(g) 4-Dr. Sedan - 57.1; 4-Dr. HT - 55.1; 2-Dr. HT - 55.0

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ENGINE—GENERAL

MODEL		MS1	MS2	MS3	MS3 Adventurer (a)
Type, no. cyls., valve arr.		Overhead, 90°, V-8, In-Line			
Bore and stroke		4.12 x 3.38	4.25 x 3.38		
Piston displacement, cu. in.		361	383		
Bore spacing (C/L to C/L)		4.80			
No. system (front to rear)	L. Bank	1-3-5-7			
	R. Bank	2-4-6-8			
Firing order		1-8-4-3-6-5-7-2			
Compres. ratio (nominal)	Standard	10.0	10.1		
	Optional	(a)			
Cylinder Head Material	Standard	Cast Iron			
	Optional	---			
Cylinder Sleeve - Wet, dry, none		None			
Number of mounting points	Front	Two			
	Rear	One			
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$		54.3	57.8		
Published max. bhp at engine RPM*	Standard	290 at 4600	305 at 4600	325 at 4600	350 at 5000
	Optional	(a)			
Published max. torque* (lb. ft. @ RPM)	Standard	390 at 2400	410 at 2400	425 at 2800	425 at 3600
	Optional	(a)			
Recommended fuel regular - premium	Standard	Premium			
	Optional	---			
Recommended idle speed (neutral)		450 - 500			650 - 700

ENGINE—PISTONS

Material	Aluminum Alloy		
Description and finish	Slipper-Type, Thermally Controlled by Steel Struts, Elliptically Turned, Tin-Plated		
Weight (piston only) oz.	25.6	27.2	27.5

* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(Continued)

(a) Adventurer engine package is available on all models at extra cost.

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MODEL	MS1	MS2	MS3	MS3 Adventurer

ENGINE PISTONS (Cont.)

Clearance (limits)	Top land		.040	
	Skirt	Top	.0005 - .001	
		Bottom	---	
Ring groove depth	No. 1 ring		.24	
	No. 2 ring		.24	
	No. 3 ring		.22	.23
	No. 4 ring		---	

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.		Comp.
	No. 2, oil or comp.		Comp.
	No. 3, oil or comp.		Oil
	No. 4, oil or comp.		None
Compression	Description – material, type, coating, etc.		Cast Iron, Standard Taper, Standard Twist, Tin Plate
	Width		.078
	Gap		.013 - .025
Oil	Description – material, type, coating, etc.		Cast Iron, Single-Piece Unit
	Width		.186
	Gap		.013 - .025
Expanders			On Oil Ring Only; Standard Tension Hump-Type

ENGINE—PISTON PINS

Material			High Manganese Steel	
Length			3.56	
Diameter			1.093	
Type	Locked in rod, in piston, floating, etc.		Press-Fit in Rod	
	Bushing	In rod or piston	None	
		Material	None	
Clearance	In piston		.00045 - .00075	
	In rod		.0007 - .0012 Interference	
Direction & amount offset in piston			.09 Right	

ENGINE—CONNECTING RODS

Material		Drop-Forged Steel	
Weight (oz.)		28.6	29.8
Length (center to center)		6.36	6.77
Bearing	Material & Type	Lead Base Babbit on Steel; Removable, Precision-Type	
	Overall length	.927	
	Clearance (limits)	.0005 - .0015	
	End play	.009 - .017 (2 Rods)	

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MODEL	MS1	MS2	MS3	MS3 Adventurer

ENGINE—CRANKSHAFT

Material			Drop-Forged Steel	
Vibration damper type			Non-Adhesion Rubber Dynamic	
End thrust taken by bearing (No.)			#3 Center	
Crankshaft end play			.002 - .007	
Main bearing	Material & type		Lead Base Babbit on Steel; Removable, Precision-Type (a)	
	Clearance		.0005 - .0015	
	Journal dia. and bearing overall length	No. 1	2.63 x .91	2.75 x .91
		No. 2	2.63 x .91	2.75 x .91
		No. 3	2.63 x .94	2.75 x .94
		No. 4	2.63 x .91	2.75 x .91
		No. 5	2.63 x .91	2.75 x .91
		No. 6	None	
		No. 7	None	
	Dir. & amt. cyl. offset		None	
Crankpin journal diameter			2.38	

ENGINE—CAMSHAFT

Location			Center of "V" above Crankshaft
Material			Hardenable Cast Iron, with Cams and Drive Gear for Distributor and Oil Pump Cast Integrally
Bearings	Material		Lead Base Babbit on Steel
	Number		5
Type of drive	Gear or chain		Chain
	Crankshaft gear or sprocket material		High Manganese Steel
	Camshaft gear or sprocket material		Cast Iron
	Timing chain	No. of links	50
		Width	.875
		Pitch	.50

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Std.
Special provision for valve rotation (intake, exhaust)		Low Friction Lock on Exhaust
Rocker ratio		1.50 to 1
Operating tappet clearance (Indicate hot or cold)	Intake	Not Applicable
	Exhaust	Not Applicable
Timing marks on fly-wheel, damper, other		Vibration Damper

(Continued)

(a) Thrust bearings are Tin Base Babbit on Steel.

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MODEL			MS1	MS2 MS3	MS3 Adventurer
ENGINE—VALVE SYSTEM (cont.)					
Timing	Intake	Opens (°BTC)	15		20
		Closes (°ABC)	57		60
		Duration - deg.	252		260
	Exhaust	Opens (°BBC)	57		58
		Closes (°ATC)	15		22
		Duration - deg.	252		260
	Valve opening overlap		30		42
Intake	Material		Silicon-Chromium Steel		
	Overall length		4.87		
	Actual overall head dia.		1.95	2.08	
	Angle of seat		45		
	Seat insert material		None		
	Stem diameter		.37		
	Stem to guide clearance		.001 - .003		
	Lift		.390		
	Outer spring press. and length	Valve closed (lb. @ in.)	100 at 1.86		
		Valve open (lb. @ in.)	195 at 1.47		
	Inner spring press. and length	Valve closed (lb. @ in.)	None		
		Valve open (lb. @ in.)	None		
Exhaust	Material		21-4N		
	Overall length		4.78		
	Actual overall head dia.		1.60		
	Angle of seat		45		
	Seat insert material		None		
	Stem diameter		.37		
	Stem to guide clearance		.002 - .004		
	Lift		.390		
	Outer spring press. and length	Valve closed (lb. @ in.)	100 at 1.86		
		Valve open (lb. @ in.)	195 at 1.47		
	Inner spring press. and length	Valve closed (lb. @ in.)	None		
		Valve open (lb. @ in.)	None		

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Metered Jet Spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Jet
	Cylinder walls	Metered, Jet Spray

(Continued)

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MODEL	MS1	MS2	MS3	MS3 Adventurer

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Rotary
Normal oil pressure (lb. @ engine rpm)	45-65 at 2000
Oil pressure sending unit (elect. or mech.)	Mechanical
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Complete; Screw-On
Capacity of crankcase, less filter-refill (qt.)	5
Oil grade recommended (SAE viscosity and temperature range)	Above +32F . . . . . SAE 30, SAE 20W-40, or SAE 10W-30 As Low As +10F . . . . . SAE 20W, SAE 20W-40, or SAE 10W-30 As Low As -10F . . . . . SAE 10W, SAE 10W-30, or SAE 5W-20 Below -10F . . . . . SAE 5W or SAE 5W-20
Engine Service Requirement (MM, MS, etc.)	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Std Single	Opt Dual	Std: Single Opt: Dual		Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	Reverse Flow				
Exhaust pipe dia. (O.D. & wall thickness) Branch	2.0	---	Single Only: 2.0		---
Exhaust pipe dia. (O.D. & wall thickness) Main	2.5	2.0	Single: 2.5; Dual: 2.0		2.25
Tail pipe diameter (O.D. & wall thickness)	2	1.75	Single: 2.0; Dual: 1.75		2.0

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Capacity (gals.)	20 (a)	23 (a)		
Fuel Tank	Filler location	Left Rear Fender			
Fuel Pump	Type (elec. or mech.)	Mechanical			
Fuel Pump	Locations	Lower Right Front of Engine			
Fuel Pump	Pressure range	6-7 psi			
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type	Plastic and Ceramic		Plastic and Paper	
Fuel Filter	Locations	(b)	(c)	Fuel Tank and Carb	
Carburetor	Make & Model No.	BBD-2870S (f)	BBD-2871S (f)	AFB-2794S (f)	Frt: AFB-2790S Rr: AFB-2791S
Carburetor	Number & Type	Dual, Downdraft		4-bbl Downdraft	Two, 4-bbl Downdraft
Carburetor	Barrel size	1-9/16		(d)	(e)
Carburetor	Choke type	Separate, In Manifold			Integral, Rear
Carburetor	Intake manifold heat control (exhaust or water)	Exhaust			
Carburetor	Air clnr. type: Standard	Paper Element			
Carburetor	Air clnr. type: Optional	None			

(a) Station Wagons - 22.
(b) Fuel Tank and Carb.
(c) Fuel Tank and Carb(Integral with Fuel Pump).
(d) Primary 1-7/16; Secondary 1-9/16.
(e) Primary, Front and Rear - 1-7/16; Secondary, Front and Rear - 1-9/16.
(f) See data for MS3 Adventurer when equipped with Adventurer engine.

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MODEL	MS1	MS2, MS3, MS3-Adventurer

ENGINE—COOLING SYSTEM

Type (pressure system, atmospheric, other)			Pressure - Vent	
Radiator cap relief valve pressure			14 psi	
Circulation thermostat	Type (choke, bypass)		Choke, Pellet	
	Starts to open at (°F)		180°	
Water pump	Type (centrifugal, other)		Centrifugal	
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	
	Bearing type		Sealed Ball Bearing	
By-pass recirculation type (internal, external)			Internal	
Radiator core type (cellular, tube and fin, other)			Cellular - Tubular or Fin and Tube	
Cooling system capacity	With heater (qt.)		17	16
	Without heater (qt.)		16	15
	Opt. equipment-specify (qt.)		None	
Water jackets full length of cylinder (yes, no)			No	
Water all around cylinder (yes, no)			Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.5	
	Upper	Number and type (molded, straight)	One, Molded	
		Inside diameter	1.5	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	----	
Fan	Number of blades & Spacing		Four, 76° - 104°	
	Diameter		18	
	Ratio-fan to crankshaft rev.		0.95 to 1	
	Fan cutout type		None Std; Silent-Flite Fluid Drive with Air Cond.	
	Bearing type		See Water Pump	
*Drive belts (Indicate belt used by letter)	Fan		See Supplement Page 7	
	Generator		--	
	Water Pump		--	
	Power Steering		--	
	Air Conditioning		--	

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* Drive Belt Dimensions	See Supplement Page 7
Angle of V	--
Nominal length (SAE)	--
Width	--

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DRIVE BELTS

SUPPLEMENTARY INFORMATION

MODEL

DRIVE BELTS

	MS1					MS2, MS3, MS3-Adventurer					
	STD	PS	AC PS	AL PS	AC AL PS	STD	PS (a)	AC PS	AL PS	AC AL PS
Fan	A	A	C	F	C	A	A	C	F	C
Generator	A	A	D	G	D	A	A	2I	G	2I
Water Pump	A	A	C	F	C	A	A	C	F	C
Power Steering	-	B	B	-	B	-	B	B	-	B
Air Conditioning	-	-	2E	-	2E	-	-	2I	-	2I
Automatic Levelling (Air)	-	-	-	G	H	-	-	-	G	J
Fan	A	A	C	F	C	A	A	C	F	C
Generator	A	A	D	G	D	A	A	2I	G	2I
Water Pump	A	A	C	F	C	A	A	C	F	C
Power Steering	-	B	B	-	B	-	B	B	-	B
Air Conditioning	-	-	2E	-	2E	-	-	2I	-	2I
Automatic Levelling (Air)	-	-	-	G	H	-	-	-	G	J
Fan	A	A	C	F	C	A	A	C	F	C
Generator	A	A	D	G	D	A	A	2I	G	2I
Water Pump	A	A	C	F	C	A	A	C	F	C
Power Steering	-	B	B	-	B	-	B	B	-	B
Air Conditioning	-	-	2E	-	2E	-	-	2I	-	2I
Automatic Levelling (Air)	-	-	-	G	H	-	-	-	G	J

(a) Power Steering Standard on MS3 and MS3-Adventurer

STD - Standard Equipment
PS - Power Steering

AC - Air Conditioning
AL - Automatic Levelling

DRIVE BELT DIMENSIONS

	A	B	C	D	E	F	G	H	I	J
Angle of V	38° - 42°									
Nominal Length, SAE	56.5	40.75	36.87	22.25	65.0	38.25	66.25	43.0	68.75	27.0
Width	3/8	1/2	3/8	3/8	15/32	3/8	3/8	3/8	15/32	3/8

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MODEL	MS1	MS2	MS3	MS3, MS2: Hi Perf Adventurer

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Auto-Lite 11-HS-60 or Willard HO-11-60
	Voltage Rtg. & Total Plates		12, 66
	SAE Designation & Amp Hr. Rtg		2 SHB, 60
	Location		Under Hood in Left Front Fender Shield
	Terminal grounded		Negative
Generator	Make		Auto-Lite
	Model		GJM-8001A
	Type		Shunt Wound
	Ratio—Gen. to Cr/s rev.		2.12
	Gen. cut-in—engine rpm		560
Regulator	Make		Auto-Lite
	Model		VRX-6301A
	Type		Current and Voltage Control
	Cutout relay	Closing voltage @ generator rpm	12.6 to 13.6 at 1040
		Reverse current to open	0 - 6
	Regulated	Voltage	14.3-14.9
		Current	35
	Voltage test conditions	Temperature	70F
		Load	15-min at 7-amp - Voltage Check
		Other	Additional 15-min at Rated Volts - Current Check

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Auto-Lite	
	Model		MDT-6001	MDT-6002
	Rotation (drive end view)		Clockwise	
	Engine cranking speed		Cold: 35-rpm Hot: 150-rpm	
	Test conditions		Cold: SAE 5W at -20 F Hot: SAE 30 With Completely Warmed Engine	
	Lock test	Amps	350	
		Volts	4	
		Torque (lb. ft.)	8.5	
	No load test	Amps	58	8.0
		Volts	11	
		RPM (min.)	3800	
Motor control	Switch (solenoid, manual)		Bendix (a)	Solenoid, Positive Engagement
	Starting procedure		Manual 3-Speed Transmission: Depress accelerator pedal one-third and turn ignition key beyond "On" position. PowerFlite and TorqueFlite: Depress accelerator pedal one-third, push in "N" Neutral push button, and turn ignition key beyond "On" position.	

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(a) Anti-Kickout.

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MODEL	MS1	MS2	MS3	MS2 - Hi-Perf MS3 - Adventurer

ELECTRICAL—STARTING SYSTEM (cont.)

Motor drive	Engagement type		Inertia	Solenoid Positive
	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	172	
	Flywheel tooth face width		.375	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Auto-Lite	
	Model		CAH-4001	
	Amps	Engine stopped	3.1	
		Engine idling	2.5	
Distributor	Make		Auto-Lite	
	Model		IBP-4005B	IBS-4006C
	Centrifugal adv. in crankshaft degrees @ engine rpm	Start (rpm)	0 at 520-880	0 at 720-1050
		Intermediate points deg. @ rpm	0-4 at 880 8-12 at 1600	0-5.7 at 1050 11.2-15 at 1650
		Max deg. @ rpm	17-21 at 4300	17-21 at 4000
	Vacuum adv. in crankshaft degrees @ In. Hg.	Start (in. Hg)	0 at 6.2-8.0	0 at 7.5-8.2
		Intermediate points, deg. @ in. Hg	10 at 9.4 - 11.5	11.6 - 14 at 14
		Max. deg. in. Hg.	19 - 25 at 14.5	23 - 29 at 18.2
	Breaker gap (in.)		.015 - .018	
	Cam angle (deg.)		27 - 32	27 - 32, Total 34-40
	Breaker arm tension (oz.)		17 - 20	
Timing	Crankshaft deg. @ rpm.		10 BTC at 500	10 BTC at 700 (a)
	Mark location		On Stationary Indicator	
	Cylinder numbering system (see page 2)		Left Bank: 1 - 3 - 5 - 7 Right Bank: 2 - 4 - 6 - 8	
	Firing order (see page 2)		1 - 8 - 4 - 3 - 6 - 5 - 7 - 2	
Spark Plug	Make and model		Auto-Lite	
			A-42	A-32
	Thread (mm)		14-mm	
	Tightening torque (lb. ft.)		30 - 32	
	Gap		.035	
Cable	Conductor type		Resistor	
	Insulation type		Rubber, with Neoprene Jacket	
	Spark plug protector		Neoprene	

ELECTRICAL—SUPPRESSION

Description	Resistance-Type Spark Plug Leads and Built-In Resistor in Distributor

(a) MS2 - Hi Perf., Engine RPM 500.

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MODEL ALL MODELS - MS1, MS2, MS3

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	Auto-Lite
	Trip odometer (yes, no)	No
Charge indicator-type		Indicator Light
Temperature indicator-type		Electric, Magnetic
Oil pressure indicator-type		Indicator Light
Fuel indicator-type		Electric, Magnetic
Other		None
Ignition switch	Identify positions in order and circuits controlled	Center Position - Off 1st Position Clockwise - Ignition and Accessory Circuit Only 2nd Position Clockwise - Starter and Ignition Circuit Only 1st Position Counterclockwise - Accessory Circuit Only
	Provision for illumination	None
	Location	Right of Steering Column
Main lighting switch	Identify positions and lights controlled	Counterclockwise Position - Off 1st Position Clockwise - Instrument, Tail, Parking, and License Plate Lamps 2nd Position Clockwise - Instrument, Head, Tail, and License Plate Lamps
Other light switches	Locations and lamps controlled	Instrument Lamp Switch -- Left of Steering Column on Instrument Panel, Variable all Instruments; Stop Lamp Switch - In Master Cylinder; Map and Dome Lamps - Automatic Switch in Front Doors; Direction Signal Switch - Lever on Steering Column.
Other switches	Locations and devices controlled	Windshield Wiper Switch - Variable Speed, Left of Steering Column Map Light - Right Side of Dash Heater Control - Two-Speed by Push-Buttons Right of Steering Column Defroster Control - Push-Button Right of Steering Column Air Vent - Push Button Right of Steering Column
Windshield wiper	Make	Auto-Lite or (Single Speed Only) General Industries
	Type	Electric
	Vacuum booster provision	None
	Washer provision	None
Horn	Type	Sea Shell (a)
	Number used	2 (a)
	Amp draw (each)	9 - 10

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(a) Additional High-Note Trumpet Special Equipment All Models.

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MODEL MS1, MS2, MS3 - ALL MODELS

ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

Headlamps & arrangement		Dual Horizontal; 2-4001, 2-4002
Headlamp beam indicator		1-57
Parking light		2-1034 (a)
Tail light		2-67
Stop light		2-1034 (b)
Direction signal	Front	2-1034 (a)
	Rear	2-1034 (b)
	Indicator	2-57
License plate light		1-67 (c)
Instrument light		2-57
Ignition lock light		None
Back up light		2-1073
Dome light		1-1004
Clock light		1-1816*
Radio light		2-57*
Glove compartment light		None
Speedometer		3-57
Ammeter Indicator		1-57
Oil Pressure Indicator		1-57
Map & Courtesy Lamp		1-1004
Ash Receiver Light		2-53 (d)
Transmission Control		1-57*
Handbrake Indicator		1-90*

ELECTRICAL—FUSE &CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lights SFE-10 (a), Direction indicator same as (a).

Headlamp	22.5 CB (A)
Headlamp beam indicator	Same As (A)
Parking light	Same As (A)
Tail light	15 CB (B)
Stop light	Same As (B)
Direction Indicator	None
License plate light	Same As (B)
Instrument light	Same As (B)
Ignition light	None
Back up light	6 CB (C)
Dome light	Same As (B)
Clock	SFE-2
Clock light	Same As (B)
Radio	SFE-7.5
Glove compartment light	Same As (B)
Windshield Wiper	Single Speed, 5 CB: Variable Speed, Same As (C)
Window Lift	30 CB
Seat Adjuster	40 CB
Heater	SFE-20
Rear Defroster	SFE-6
Front Air Cond.	3AG-18

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(a) Integral Unit
(b) Integral Unit, Double-Filament Bulb
(c) Two Lights on Suburban
(d) Std. Fireflite & Adventurer only. One Ash Rec. Lite Optional Other Models.

AMA Specifications – Passenger Car

MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED 3-1-59

MODEL	MS1	MS2	MS3	MS3-H Adventurer

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type			Borg & Beck Dry	N/A
Type pressure plate springs			Coil	---
Total plate pressure (lb.)			1675 (c)	---
No. of clutch driven discs			One	---
Clutch facing	Material		(b)	---
	Outside & inside dia.		10.5 x 6.5	---
	Total eff. area (sq.in.)		106.8	---
	Thickness		.125	---
	Engagement cushioning method		Flat Springs, Crimped	---
Release bearing	Type & method of lubrication		Ball, Permanent	---
Torsional damping	Methods: springs, friction material		Coil Springs	---

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)			Standard	N/A
Manual with overdrive (std. or opt.)			N/A	
Automatic (std. or opt.)			Optional PF or TF	Standard - TF

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds			Three	---
Transmission ratios	In first		2.12	---
	In second		1.43	---
	In third		1.00	---
	In fourth		---	
	In reverse		2.73	---
Synchronous meshing, specify gears			2nd and 3rd	---
Lubricant	Capacity (pt.)		2.75	---
	Type recommended		(a)	---
	SAE viscosity number	Summer	SAE 80	---
		Winter	Above -10F: SAE 80	---
		Extreme cold	Below -10F: SAE 75	---

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N/A - Not Available; PF - PowerFlite; TF - TorqueFlite.

(a) Multipurpose Gear Lubricant or Lubricant Designated API Service GL-4.

(b) Molded Woven Asbestos.

(c) Plate pressure for Later Built Cars (centrifugal clutch); Early Built Cars - 2332 lb.

AMA Specifications – Passenger Car

MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED** _____

MODEL _____

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

				MS1	MS2	MS3	MS3 Adventurer
Overdrive	Type (planetary or other)			None			
	Manual lockout (yes, no)			---			
	Downshift accelerator control (yes, no)			---			
	Minimum cut-in speed			---			
	Gear ratio			---			
	Lubricant	Capacity (Overdrive only)		---			
		Separate filler (yes, no)		---			
		Type recommended		---			
		SAE viscosity number	Summer	---			
			Winter	---			
			Ext. cold	---			

DRIVE UNITS—AUTOMATIC TRANSMISSION

	MS1	MS2	MS3	MS3 Adventurer
Trade name	PowerFlite (a)	TorqueFlite (b)		
Type describe	2-Speed Automatic W/Torque Converter	3-Speed Automatic W/Torque Converter		
Method of Selection (Lever, Push Button or other)	Push Button			
Selector Pattern	R N D L	R N D 1 2		
List gear ratios Selector Pattern and indicate which are used in each selector position	R Reverse 2.39 N Neutral D Drive 1.72 - 1.00 L Low 1.72	R Reverse 2.20 N Neutral D Drive 2.45-1.45-1.00 2 Low-Intermediate 2.45-1.45 1 Low 2.45		
Max. upshift speeds—drive range	60	70	80	
Max. kickdown speeds—drive range	60	60	75	
Torque convertor: Number of elements	Three			
Torque convertor: Max. ratio at stall at engine rpm	2.2 at 1810	2.2 at 1810 (c)		
Torque convertor: Type of cooling (air, water)	Water			
Lubricant: Capacity—refill (pt.)	20	21		
Lubricant: Type recommended	Automatic Transmission Fluid - Type A			
Special transmission features	Spring-Loaded Hydraulic Valve to Prevent Accidental Reverse Engagements			

(a) PowerFlite is available optionally on MS1 only.

(b) TorqueFlite is available optionally on MS1 and is standard on MS2, MS3, and MS3-H Adventurer.

(c) 2.2 at 1900 - MS2; 2.2 at 1910 - MS3.

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MODEL			MS1	MS2	MS3

DRIVE UNITS—PROPELLER SHAFT

Number used			One	
Type (exposed, torque tube)			Exposed	
Outer diameter x length* x wall thickness	Manual transmission		3.25 x 59.0 x .065	Not Applicable
	Overdrive transmission		---	
	Automatic transmission		2.75 x 58.96 x .065	
Intermediate bearing	Type (plain, anti-friction)		None	
	Lubrication (fitting, prepack)		---	
Universal joints	Make		Own	
	Number used		Two	
	Type (ball and trunnion, cross, other)		Front: Ball and Trunnion Rear: Cross	
	Bearing	Type (plain, anti-friction)	Anti-Friction	
		Lubric. (fitting, prepack)	Prepack	
Drive taken through (torque tube or arms, springs)			Rear Springs	
Torque taken through (torque tube or arms, springs)			Rear Springs	

DRIVE UNITS—REAR AXLE

Description – (incl. limited slip differential)			Standard: Semi-Floating, Hypoid. Sure-Grip: Semi-Floating, Hypoid, 4-Pinion Differential, Cam-Operated Clutches Limit Differential Action.	
Drive Pinion Offset			1.5	
No. of differential pinions			2	
Gear ratio and No. of teeth	Automatic transmission		See Supplement to Page 14	
	Overdrive trans.		See Supplement to Page 14	
	Manual transmission		See Supplement to Page 14	
Ring gear pitch diameter & O.D.			8.75	
Pinion adjustment (shim, other)			Solid Shim (Washer)	
Pinion bearing adj. (shim, other)			Shims	
Wheel bearing type			Tapered Roller Bearing	
Lubricant	Capacity (pt.)		3.5	
	Type recommended		Multipurpose Gear Lubricant or API Service GL-4	
	SAE viscosity number	Summer	Above -10F: SAE 90	
		Winter	Below -10F: SAE 80	
		Extreme cold	Below -30F: SAE 75	

*Center to center of universal joints, or to centerline of rear attachment.

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MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED

AXLE RATIOS
SUPPLEMENTARY INFORMATION

MODEL			MS1	MS2	MS3	MS3 Adventurer
Gear Ratios & No. of Teeth	Manual 3-Speed Transmission	Std	3.54 (39-11)	---	---	---
		Opt	** 3.31 (43-13)	---	---	---
	PowerFlite Transmission	Std	* 3.31 (43-13)	---	---	---
		Opt	2.93 (41-14)	---	---	---
	TorqueFlite Transmission	Std	* 3.31 (43-13)	* 3.31 (43-13)	* 3.31 (43-13)	* 3.31 (43-13)
		Opt	2.93 (41-14)	2.93 (41-14)	2.93 (41-14)	2.93 (41-14)

* Also used with Sure-Grip Differential.

** Used with Sure-Grip Differential Only.

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MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED** 3-1-59

MODEL	MS1	MS1 St Wag	MS2	MS3	MS3 St Wag	MS3 Adventurer

DRIVE UNITS—WHEELS

Type & material		Disc, Pressed Steel				
Rim (size and flange type)		14 x 5.5 K	14 x 6 K		14 x 6.5K	14 x 6 K
Attachment	Type (bolt or stud)	Stud				
	Circle diameter	4.5				
	Number and size	Five, 1/2 - 20 NF				

DRIVE UNITS—TIRES

Standard	Size & ply	8.00 x 14 (a)		8.50 x 14 (a)		
	Type - Nylon, etc.	Rayon				
	Sidewall color	Black (WSW Opt)				WSW
Optional	Size & ply	8.50 x 14 (b)		9.00 x 14 (b)		
	Type - Nylon, etc.	Rayon or Nylon				
	Sidewall color	BSW or WSW				WSW
Rev/mile at 30 mph		8.00 x 14: 760; 8.50 x 14: 747; 9.00 x 14: 732				
Inflation press.(cold)	Front	22				
	Rear	22	24	22	24	22

BRAKES—SERVICE

Type				Hydraulic, Internal Expanding, Calculated-Contour, Variable-Depth Web, Total-Contact Brake Shoes				
Power brake type				Vacuum, 4 pt.				Vacuum, Std.
Effective area (sq. in.)				230		251		
Gross lining area (sq. in.)				230 (c)		251		
Percent brake effectiveness-front				60				
Drum	Diameter	Front		11 (b)		12		
		Rear		11 (b)		12		
	Type and material			(b)	Centrifuse			
Brake lining	Bonded or riveted			Bonded				
	Front Shoe	Material		Molded Asbestos				
		Size (length x width x thickness)	Front wheel	11.5 x 2.5 x 0.20 (c)		12.6 x 2.5 x 0.20		
			Rear wheel	11.5 x 2.5 x 0.20 (c)		12.6 x 2.5 x 0.20		
		Segments per shoe		One				
	Rear Shoe	Material		Molded Asbestos				
		Size (length x width x thickness)	Front wheel	11.5 x 2.5 x 0.20 (c)		12.6 x 2.5 x 0.20		
			Rear wheel	11.5 x 2.5 x 0.20 (c)		12.6 x 2.5 x 0.20		
		Segments per shoe		One				
Wheel cylinder bore	Front			1.125				
	Rear			1.125				
Master cylinder bore				1.125				
Available pedal travel				6; With Power Brakes - 4.63				
Line pressure at 100 lb. pedal load				950 psi; With Power Brakes - 1150				
Shoe clearance adjustment				No Major Adjustment Required				

(a) Four Captive-Air Tires Standard on 3-Seat Station Wagons.

(b) Front: Cast Drum and Back; Rear: Centrifuse.

(c) 12 x 2.5 Opt; Area 251 sq. in.

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MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED

MODEL		MS1	MS2	MS3

BRAKES—PARKING

Type of control		T-Handle, Multiple Pawl Ratchet	
Location of control		Under Instrument Panel, Left of Steering Column	
Operates on		Transmission Output Shaft	
If separate from service brakes	Type (internal or external)	External (a)	Internal
	Drum diameter	6 (a)	7
	Lining size (length x width x thickness)	16.68 x 2 x 0.16 (a)	2-Shoes, Each: 6.53 x 2 x 0.16

FRAME or UNITIZED CONSTRUCTION

Type and description	Welded, Double-Channel Box-Section Side Rails; Lateral Crossmembers. X-Type Crossmember on Convertible

SUSPENSION—GENERAL (See Supplemental page 16 for details on Air Suspension)*

Provision for car leveling		Mechanical, by manual adjustment of torsion bar rear anchor bolt (b)
Provision for brake dip control		By inclined front upper control arms and unsymmetrical rear springs
Provision for acc. squat control		Unsymmetrical Rear Springs
Special provisions for car jacking		No
Shock absorber front & rear	Type	Direct
	Make	Own
	Piston dia.	1-inch
Other special features		None

SUSPENSION—FRONT

Type and description	Independent, Lateral, Non-Parallel Control Arms with Torsion Bars

(Continued) Rev. Form 1-58

(a) With Automatic Transmission, these data are the same as for MS2 and MS3.

(b) Front end only.

* Air Suspension:
Air spring type
Compressor data
type
make
drive ratio
Normal operating pressures
spring rates
leveling data

AMA Specifications -- Passenger Car

Supplement to Page 15

MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED**

SUPPLEMENTARY INFORMATION

MODEL		MS1		MS2, MS3	
		Sedan	Sta. Wag.	Sedan	Sta. Wag.
Automatic Levelling Application (air)		Air Assist Type - On Rear Only			
Air Chambers	Type	Unrestrained, Rolling Seal			
	Piston	Cylindrical			
	Operating Pres.	Curb: 20 PSI; 3-Pass: 35 PSI; 9-Pass: 90 PSI			
	Total Volume	240 cu in. per Air Chamber			
	Spring Rate	20#/in. at 3-Pass. Load			
	No. Used	2			
Air Compressor	Displacement	2.866 cu. in.			
	Delivery	0.85 CFM at 50 psig Discharge Pressure			
	Driven By	Belt Driven by Crankshaft Pulley			
	Lubrication	Integral with Engine Oil System			
	No. of Cylinders	2			
	Filter Type	Integral			
	Pressure Control	Compression Ratio			
High Pressure Reservoir	Size	200 Cubic Inch			
	Location	Right Front Fender Well			
Moisture Elimination Method		Periodic Draining of High Pressure Tank			
High Pressure Air Line		3/16" Copper Tubing			
Low Pressure Reservoir		Single Tank Directly Connects Both Air Chambers			
Height Control Valve	Number Used	1			
	Type	Instant Acting, Constant Rate of Fill			
	Actuation	Direct Connection to Axle Housing			
	Location	Mounted on Low Pressure Reservoir, Center of Car Between Rear Wheels			
Air Flow Pattern		Open System			
Front Suspension					
Spring	Type	Torsion Bar			
	Size (Length & Dia.)	40 x 0.97		44 x 1.0	
	Rate at Wheel (#/In.)(a)	105		115	
Stabilizer	Type	Link			
	Material & Bar Dia.	Steel - 0.75"		Steel - 0.81"	
Rear Suspension					
Spring	Type	Parallel, Longitudinal Leaf			
	Size (Length & Width)	57 x 2.5		60 x 2.5	
	Spring Rate (#/in.)	80	95	75	100
	Rate at Wheel(#/in.)(a)(b)	130	165	135	165
	No. of Leaves	5		6	

(a) Without Tires
(b) At Curb Load

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MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED**

MODEL				MS1	MS2	MS3
SUSPENSION FRONT (cont.)						
Spring	Type			Torsion Bar		
	Material			Chromium-Alloy Steel		
	Size (coil design height & I.D.; bar length x dia.			40 x 1.01 (a)	44 x 1.00 (b)	
	Spring rate (lb. per in.)			Not Applicable		
	Rate at wheel (lb. per in.) (c)			125 (Sta. Wag. 105)	115	
	Design load (lb. @ design height)			Not Applicable		
Stabilizer	Type (link, linkless, frameless)			(d)	Link	
	Material & bar diameter			Steel, 0.75		
STEERING						
Mechanical (std., opt., NA)				Std	Std	N/A
Power (std., opt., NA)				Opt	Opt	Std
Wheel diameter				17"		
Turning diameter	Outside front	Wall to wall (l. & r.)		46.7'	49.8'	
		Curb to curb (l. & r.)		43.7'	47.0'	
	Inside rear	Wall to wall (l. & r.)		27.8'	31.0'	
		Curb to curb (l. & r.)		27.1'	30.5'	
Outside wheel angle with inside wheel at 20°				18° 46'	18° 30'	
Mechanical	Gear	Type		Worm and Three-Tooth Roller		
		Make		Own		
		Ratios	Gear	20.4		
			Overall	29.97	30.6	
	No. wheel turns			5.2		
Power	Type			Integral		
	Make			Own		
	Trade name			Constant-Control		
	Gear	Type		Rack & Sector		
		Ratios	Gear	15.7		
			Overall	19.1	19.38	
	Pump driven by			Belt from C/S Pulley		
	Number wheel turns			3.5		
Linkage	Type			Symmetrical Idler Arm, Equal Length Tie Rods		
	Location (front or rear of wheels, other)			Rear		
	Drag link (trans. or longit.)			Transverse		
	Tie rods (one or two)			Two		

(Continued)

(a) 40 x 0.97 on Station Wagons and 44 x 1.04 on Convertibles.
(b) 48.6 x 1.02 on Convertibles.
(c) Without Tires.
(d) Standard on Convertibles and Station Wagons, Optional on Other Models.

AMA Specifications – Passenger Car

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MODEL				MS1	MS2	MS3
STEERING (cont.)						
Steering Axis	Inclination at camber (deg.)			6-1/2° at 0°		
	Bearings (type)	Upper		Ball Joint		
		Lower		Ball Joint		
		Thrust		Oil-Impregnated Sintered Metal		
Wheel alignment (range and preferred)	Caster (deg.)			Mechanical Steering: -3/4° + 3/4° Power Steering: +3/4° ∓ 3/4°		
	Camber (deg.)			Left: +1/4° + 1/4° (Prefer 3/8°) Right: 0° ∓ 1/4° (Prefer 0°)		
	Toe-in (outside tread-inches)			3/32 to 5/32" (Prefer 1/8)		
Steering spindle & joint type				Ball Socket		
Wheel spindle	Diameter	Inner bearing		1.25		
		Outer bearing		0.75		
	Thread size			3/4 - 16 N.F.		
	Bearing type			Tapered Roller		
SUSPENSION—REAR						
Type and description				Parallel, Longitudinal Leaf		
Drive and torq. taken through (see page 14)				Rear Springs		
Spring	Type			Semi-Elliptic		
	Material			Steel		
	Size (length x width, coil design height and I.D.; bar length & dia.)			57 x 2.5	60 x 2.5	
	Spring rate (lb. per in.)			95 (Sta. Wag. 125)	90 (Sta. Wag. 135)	
	Rate at wheel (lb. per in.) (a)			130 (Sta. Wag. 165)	135 (Sta. Wag. 165)	
	Design load (lb. at design height)			(b)	RH 680 at -.38; LH 760 at -.38	
	Mounting insulation type			Rubber		
	If leaf	No. of leaves		5 (Sta. Wag. 6)	6 (Sta. Wag. 7)	
		Inserts	Type and size	Front Interliners: 2.5 x 2.5; Rear Interliners: 2.5 x 3.5		
			Material	Front: Rubber; Rear: Wax Impregnated Fabric		
		Shackle (comp. or tens.)		Compression		
Stabilizer	Type (link, linkless, frameless)			None		
	Material			Not Applicable		
Track bar type				None		

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MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED** _____

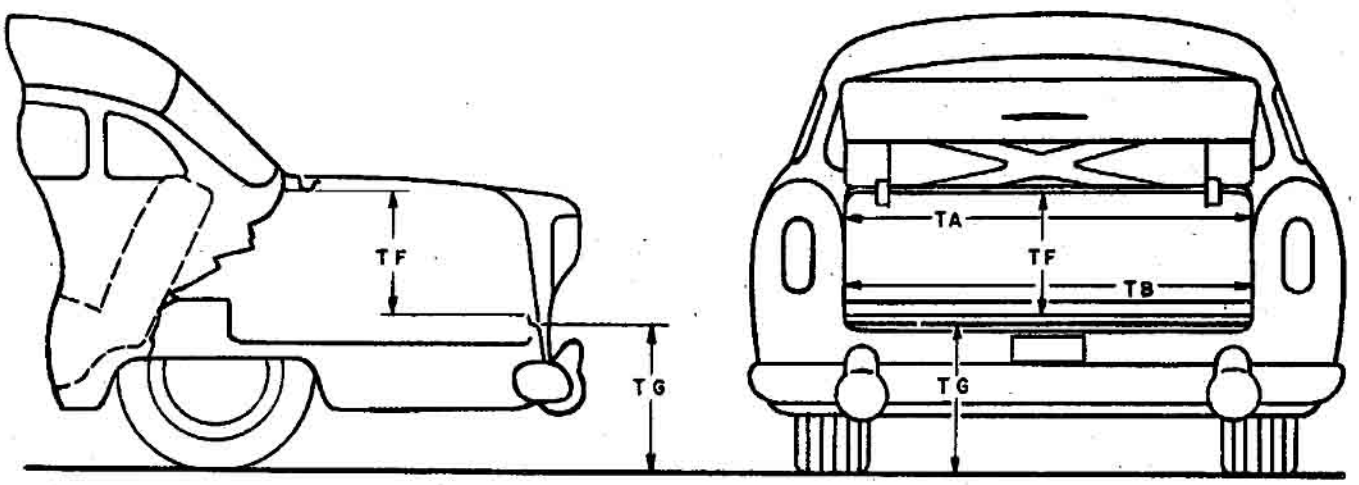
BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by the S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front and rear seat "B" points are located on seat back 15" from center of body at height of horizontal tangent to top of seat cushion.
3. Front seat is in the full down and normal rearmost position.
4. Loaded position—5 passenger, front 300 lb., rear 450 lb.; includes spare wheel, tire and tools, and full complement of gas, oil, water, and tires to recommended pressure, etc.
5. C/L (centerline).
6. D. L. O. (daylight opening, exposed glass dimension – pages 21, 23 & 25).
7. Ramp breakover angle (page 21) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

MODEL MS1 - MS2 - MS3	4-Door Sedan	4-Door Hardtop	2-Door Hardtop

BODY—TRUNK DIMENSIONS

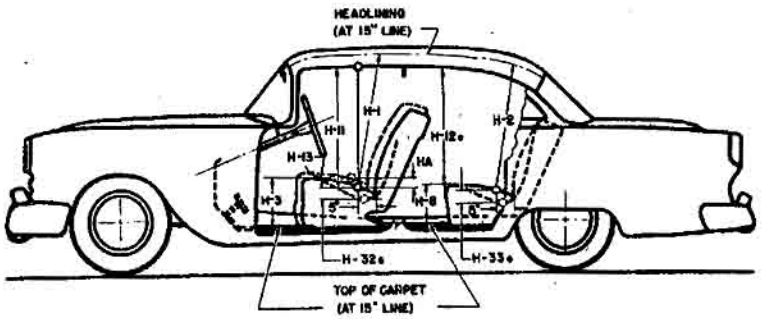


Usable trunk luggage capacity (see Section H1 of SAE Automotive Drafting Standards) (Actual)	37.5		39.8
TA— Width across the top	57.4		
TB —Width across the bottom	55.5		
TF—Vertical dimension at C/L from bottom to top of opening.	8.5	8.6	
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	MS1 - 26.6 ; MS2, MS3 - 26.9		
Position of spare tire stowage	Horizontal; Left Side of Trunk		
Method of holding lid open	Torsion Bar		

AMA Specifications – Passenger Car

MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED

BODY—HEIGHT DIMENSIONS--INTERIOR



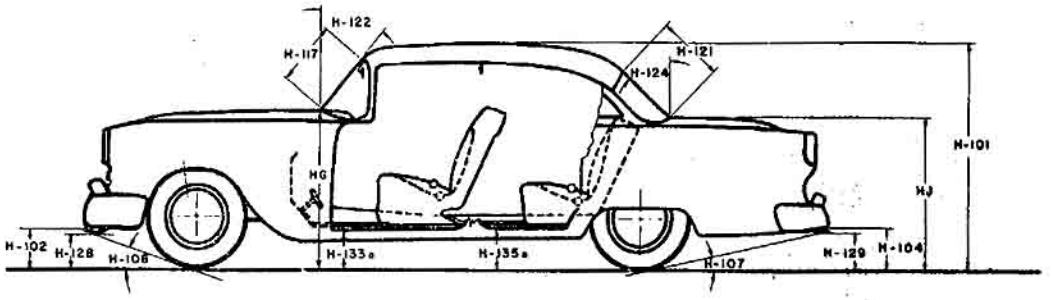
MODEL MS1, MS2, MS3	4-Door Sedan	4-Door Hardtop	2-Door Hardtop
H1. Front headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19)	35.7	34.4	
H2. Rear headroom—from free "A" pt. to headlining at 8° back of vertical on 15" line.	34.5	34.7	34.7 (a)
H3. Front cushion height above low point on floor carpet on 15" line (front edge of cushion).	10.8		
H8. Rear cushion height above low point on floor carpet on 15" line (front edge of cushion).	11.9		10.0
H11. Entrance—front—cushion free "A" point to bottom windcord vertical.	31.5 (b)		
H12a. Entrance — rear — top of cushion at vertical tangent to front of rear seat, to bottom of windcord in rear.	22.7 (c)		Not Applicable
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance).	6.5 (d)		
HA. Front seat maximum vertical rise at free "A" point.	1.2		
HF. Front seat maximum vertical rise of free "A" point with multiple-position seat.	2.64		
H32a. Front seat depressed depth – vertical dimension from free "A" point to depressed "A" point.	4.0		
H33a. Rear seat depressed depth – vertical dimension from free "A" point to depressed "A" point.	4.0		

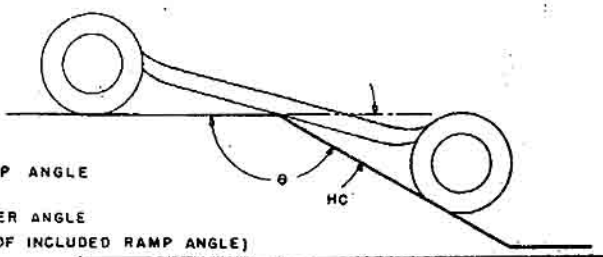
(a) With Large Backlight: 33.7 (Std.on Fireflite & Adventurer - Opt. Firedome)
(b) Firedome & Fireflite & Adventurer: 31.2
(c) Firedome & Fireflite: 22.5
(d) Adventurer & Models with Swivel Seat: 6.2

AMA Specifications – Passenger Car

MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED _____

BODY—HEIGHT DIMENSIONS—EXTERIOR





θ - INCLUDED RAMP ANGLE

HC - RAMP BREAKOVER ANGLE (SUPPLEMENT OF INCLUDED RAMP ANGLE)

	MS1	MS2	MS3	MS1	MS2	MS3	MS1	MS2	MS3
MODEL MS1, MS2, MS3	4-Door Sedan			4-Door Hardtop			2-Door Hardtop		
H101. Overall height - loaded.	56.8	57.1		54.9	55.2	55.1	54.8	55.1	55.0
HB. Overall height - curb weight.	58.6	58.9		56.7	57.0		56.6	56.9	
H102. Front bumper bottom to ground at normal section.	MS1 - 9.3; MS2, MS3 - 9.6								
H104. Rear bumper bottom to ground at normal section.	MS1 - 10.8; MS2, MS3 - 11.2								
H106. Angle of appr.-fr. tire static loaded rad. to interfering pt. on fr. bumper, gd., other.	15°								
H107. Angle of dep.-fr. tire static loaded rad. to interfering pt. on rr. bumper, gd., other.	MS1 - 10°; MS2, MS3 - 11°								
HC. Ramp breakover angle.*	10.4°								
H117. Windshield DLO-slant height.	22.3			25.0					
H121. Backlight DLO*-max., slant height.	21.0			24.1			22.6 (a)		
H122. Windshield slope angle to vertical line on car axis.	50°			54°					
H124. Backlight slope angle to vertical line on car axis.	53°						58°		
H128. Ground to bottom of front bumper guard.	MS1 - 9.4; MS2, MS3 - 9.8								
H129. Ground to bottom of rear bumper guard.	MS1 - 18.9; MS2, MS3 - 13.2								
H133a. Bottom of front door to ground, min. dimension - car loaded.	MS1 - 11.3; MS2, MS3 - 11.6								
H135a. Bottom of rear door to ground, min. dimension - car loaded.	MS1 - 11.1; MS2, MS3 - 11.4								
HD. Min. road clear. (5 pass. load) & loc.	MS1 - 5.5; MS2, MS3 - 5.6								
HE. Min. road clearance at rear axle.	MS1 - 7.4; MS2, MS3 - 7.6								
HG. Hood at rr. to grd.-vert. dim. excl. molding, fr. hood opening line at cowl (curb wt.)	MS1 - 38.8; MS2, MS3 - 38.6								
HH. Max. ht., fr. grd. frt. of windshield (curb wt.)	MS1 - 39.2; MS2, MS3 - 39.0								
HJ. Max. ht. fr. grd. back of r. window (curb wt.)	37.6								

* See Notes, page 19. (a) 31.0 with Large Backlight (Std. Fireflite & Adventurer optional Firedome)

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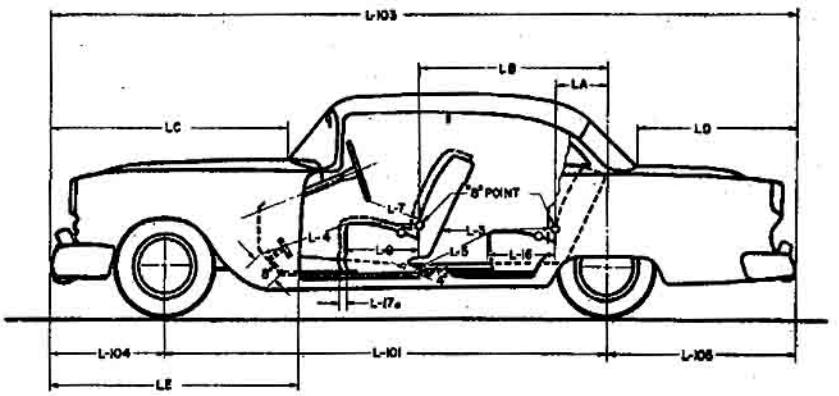
MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE: ISSUED** 8-1-58 **REVISED** _____

BODY--LENGTH DIMENSIONS



	MODEL	MS1 4-Dr. Sedan & 4-Dr. Hardtop	MS2 & MS3 4-Dr. Sed. & 4-Dr. HT	MS2 & MS3 2-Door Hardtop
Interior	* L3. Rear compartment of front seat back to rear seat back.	Sedan: 29.1 (a); Hardtop: 28.9 (a)		25.0 (a)
	* L4. Leg room—front—ball of foot to top of seat to seat back--15" line.	45.5		
	* L5. Leg room—rear—from ball of foot to top of seat cushion and to seat back	43.0		38.0
	L7. Steering wheel clearance to seat back taken on arc.	15.4		
	* L9. Front seat depth (front edge to vert. tan. to seat back on 15" line).	18.0 (b)		
	* L16. Depth of rear seat (front edge to seat back).	18.4	18.6	
	L17a. Total adjustment of front seat at front lower seat frame.	4.8		
	LA. Rear seat "B" point to center line of rear axle.	20.2		25.2
	LB. Front seat "B" point to center line of rear axle.	57.8		
	LC. Front of car to base of windshield.	58.7	62.7	
	LD. Rear of car to base of rear window or upper structure.	46.7		53.9
	LE. Front of car to front edge of front door.	64.0	68.0	
Exterior	L101. Wheelbase.	122	126	
	L103. Overall length (bumper to bumper inc. guards).	217.1 (c)	221.1 (d)	
	L104. Overhang—front including bumper guards.	35.0		
	L105. Overhang—rear including bumper guards.	60.1 (e)		

* Dimension taken on 15" line—see notes 1 & 2, page 19.

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(a) With Swivel Seat - 4-Dr. Sed.: 30.6; 4-Dr. HT: 30.4; 2-Dr.HT: 26.5
(b) With Swivel Seat - 18.2
(c) With Special Equipment Front & Rear Guards. Without Guards: 215.5
(d) Std. Fireflite & Adventurer. Firedome without spec. equip. bumper guards - 219.5
(e) With Special Equipment ----- Rear Guards. Without Guards: 58.5

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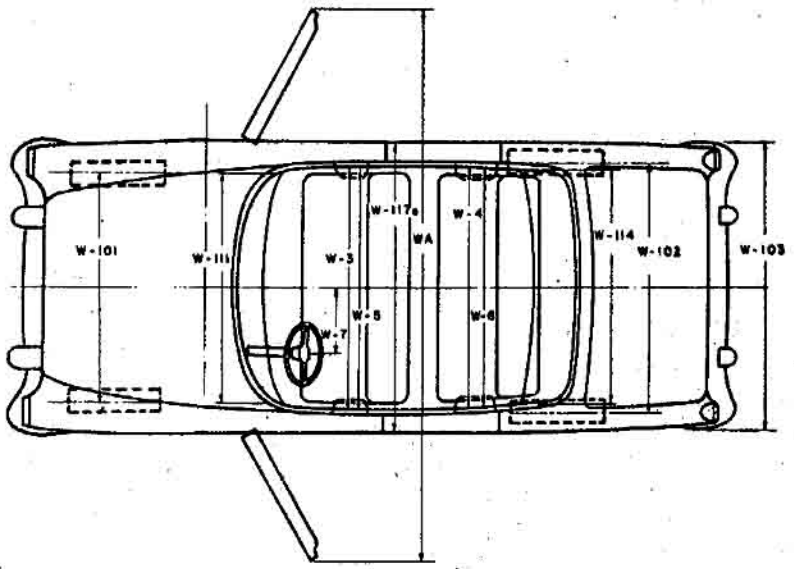
MAKE OF CAR DESOTO MODEL YEAR 1959 DATE: ISSUED 8-1-58 REVISED _____

BODY—WIDTH DIMENSIONS



MODEL	MS1, MS2, MS3	4-Door Sedan	4-Door Hardtop	2-Door Hardtop
Interior	W3. Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.5		61.0
	W4. Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back.	60.4		60.5
	W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back.	63.0		
	W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back.	62.7		56.0
	W7. Steering wheel center to center of body.	Manual Steering: 15.9 (a); Power Steering: 16.6 (b)		
Exterior	W101. Front tread at ground.	60.94		
	W102. Rear tread at ground.	59.76		
	W103. Max. overall width of car including bumpers or mouldings.	78.7		
	WA. Max. overall width of car with doors open.	158.6		167.4
	W111. Windshield DLO, max. width.	63.2	64.0	
	W114. Back window DLO, max. width.	60.4	61.0	61.7
	W117a. Max. body width at center pillar, less hardware and applied moldings.	75.6		

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(a) FireSweep: 15.1
(b) FireSweep: 16.3

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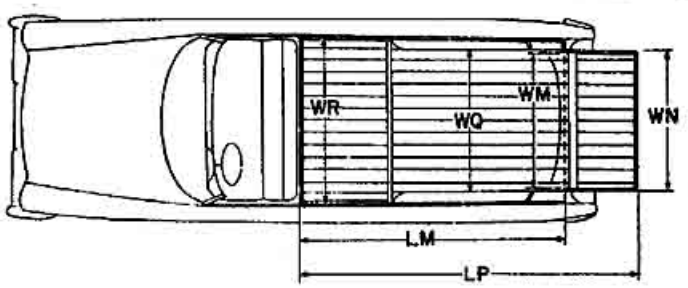
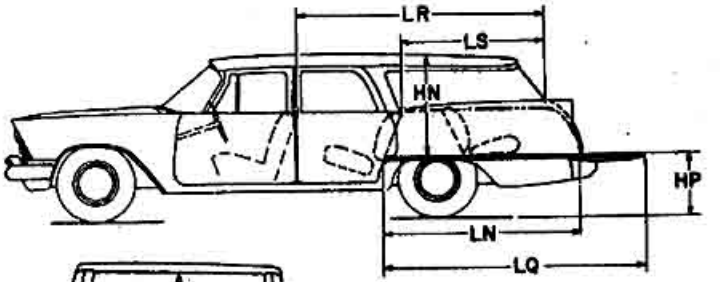
STATION WAGON—CARGO SPACE DIMENSIONS





NOTE: Front seat in full down and rearmost position for all measurements.

MODEL	MS1	MS3
LM Floor length from bottom of front seat to inside of tail gate in raised position.	98.6	
LN Floor lgth. from bottom of second seat to inside of tail gate in raised position.	64.5	
LP Floor lgth. from bottom of front seat to end of tail gate in lowered position.	119.7	
LQ Floor lgth. from bottom of second seat to end of tail gate – tail gate lowered.	85.6	
HM Maximum hgth. of rear opening – tail gate lowered.	28.5	
WM Rear end opening width at floor.	46.0	
WN Rear end opening width at top of tail gate.	50.7	
WQ Minimum distance between wheelhouses.	45.7	
WP Maximum width of rear opening above raised tail gate.	48.0	
WR Maximum width of cargo space at floor.	62.5	
LR Cargo horizontal distance from top rear of front seat back to top of tail gate.	81.7	
LS Cargo horizontal distance from top rear of second seat back to top of tail gate.	47.5	
HN Maximum height of roof above floor at center line of car.	33.0	
HP Platform height of end of lowered tail gate – curb weight.	27.5	27.6
Third Seat – facing direction.	Rearward	

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MODEL MS1, MS2, MS3	4-Door Sedan	4-Door Hardtop	2-Door Hardtop

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front		
	Rear doors	Front		
Type of finish (lacquer, enamel).		Synthetic Enamel		
Hood hinge location (front, rear).		Rear		
Hood counterbalanced (yes, no).		Yes		
Hood release control (internal, external).		External		
Vehicle (Serial) No. Location		Bottom - Left Front Door Hinge Post		
Engine No. location		Top Engine Block - Front		
Theft protection - type		Ignition Key Starting, Ign. Switch Term. Barrier, & Door Locks		
Vent window control method (crank, friction pivot).		Friction Pivot		
Windshield type (single curved, compound curved, other)		Single Curved	Compound Curved	
Rear window type (flat, curved, one piece, three piece)		One Piece - Curved		
Side glass type (curved, flat)		Flat		
Windshield glass area D.L.O.		1444	1586	
Backlight glass area D.L.O.		1319	1339	1386 (b)
Total glass area D.L.O.		4293 (a)	4344	4105 (c)

BODY—TYPES AND STYLE NAMES —

Body type, number of passengers & style names; use manufacturer's code for series & body style.

BODY STYLES:	CODES			
	FireSweep	Firedome	Fireflite	Adventurer
2-Door Sportsman, 6-pass (HT)	MS1-L-23	MS2-M-23	MS3-H-23	MS3-H-23
Convertible, 6-pass.	MS1-L-27	MS2-M-27	MS3-H-27	MS3-H-27
4-Door Sedan, 6-pass.	MS1-L-41	MS2-M-41	MS3-H-41	
4-Door Sportsman, 6-pass. (HT)	MS1-L-43	MS2-M-43	MS3-H-43	
4-Door Shopper, 6-pass. Station Wagon	MS1-L-45A		MS3-H-45A	
4-Door Explorer, 9-pass. Station Wagon	MS1-L-45B		MS3-H-45B	

(a) FireSweep: 4295
(b) With Large Backlight: 1882 (Std. Fireflite & Adventurer--Opt. Firedome)
(c) With Large Backlight: 4601 (Std. Fireflite & Adventurer--Opt. Firedome)

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MAKE OF CAR DESOTO **MODEL YEAR** 1959 **DATE. ISSUED** 4-7-59 **REVISED**

MAJOR OPTIONAL ITEMS - WEIGHTS

	CURB - WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Model FIRESWEEP MS1-L								
2-Door Sportsman (HT) -23	2065	1745	3810	56.2	43.8	25.2	74.8	3625
Convertible Coupe -27	2145	1825	3970	56.2	43.8	25.2	74.8	3840
4-Door Sedan -41	2055	1770	3825	56.2	43.8	22.5	77.5	3670
4-Door Sportsman (HT) -43	2085	1810	3895	56.2	43.8	22.5	77.5	3700
Station Wagon Shopper -45A	2060	2020	4080	56.2	43.8	23.7	76.3	3950
Sta. Wag. Explorer -45B	2085	2045	4130	56.2	43.8	23.7	76.3	3980
FIREDOME MS2-M								
2-Door Sportsman (HT) -23	2155	1910	4065	54.0	46.0	24.8	75.2	3795
Convertible Coupe -27	2265	2035	4300	54.0	46.0	24.8	75.2	4015
4-Door Sedan -41	2155	1930	4085	54.0	46.0	22.1	77.9	3840
4-Door Sportsman (HT) -43	2165	1950	4115	54.0	46.0	22.1	77.9	3895
FIREFLITE MS3-H								
2-Door Sportsman (HT) -23	2185	1935	4120	54.0	46.0	24.8	75.2	3910
Convertible Coupe -27	2275	2050	4325	54.0	46.0	24.8	75.2	4105
4-Door Sedan -41	2170	1965	4135	54.0	46.0	22.1	77.9	3920
4-Door Sportsman (HT) -43	2190	1980	4170	54.0	46.0	22.1	77.9	3950
Station Wagon Shopper -45A	2175	2230	4405	54.0	46.0	24.0	76.0	4170
Sta. Wag. Explorer -45B	2190	2245	4435	54.0	46.0	24.0	76.0	4205
ADVENTURER MS3-H								
2-Door Adventurer -23	2240	2005	4245	54.0	46.0	24.8	75.2	3980
Conv. Cpe. Adventurer -27	2320	2090	4410	54.0	46.0	24.8	75.2	4120

Accessories & Equipment Differential Weights				Remarks
PowerFlite	15	10	25	Optional on MS1 Only
TorqueFlite	35	15	50	Optional on MS1 Only, Standard on MS2 & MS3
Six-Way Power Seats	20	20	40	
Power Brakes	10	5	15	Opt. on MS1 & MS2, not with Manual Trans.
Power Windows	15	10	25	
Power Steering	35	0	35	Opt. on MS1 & MS2, not with Manual Trans.
Radio	8	2	10	
Heater	12	8	20	
Air Conditioning - Front	100	10	110	MS1 Only
Air Conditioning - Front	100	15	115	MS2 & MS3 Only
Air Conditioning - Dual	100	80	180	MS1 Only
Air Conditioning - Dual	100	90	190	MS2 & MS3 Only
A/C Suburban - Dual	100	50	150	MS1 Only
A/C Suburban - Dual	100	55	155	MS2 & MS3 Only

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* These are weights that are reported to states for licensing purposes.