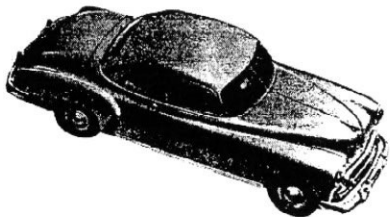


CHEVROLET



1949 Chevrolet, Styleline Special business coupe, 6-cyl





1949

ORIGINAL COPY











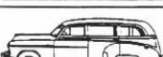


**PASSENGER
CARS**

MODEL IDENTIFICATION

FLEETLINE

De Luxe - Series 2100		Name and Description	Special - Series 1500	
Vehicle Type	Model		Model	Vehicle Type
	2153 49-1008 *	4-DOOR SEDAN 5-passenger, 5-window sedan with luggage compartment in rear.	1553 49-1208 *	
	2152 49-1007 *	2-DOOR SEDAN 5-passenger, 5-window sedan with luggage compartment in rear.	1552 49-1207 *	

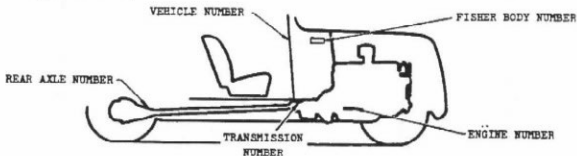
STYLELINE

De Luxe - Series 2100		Name and Description	Special - Series 1500	
Vehicle Type	Model		Model	Vehicle Type
	2103 49-1069 *	4-DOOR SEDAN 6-passenger, 5-window sedan with luggage compartment in rear.	1503 49-1269 *	
	2102 49-1011 *	2-DOOR SEDAN 6-passenger, 5-window sedan with luggage compartment in rear.	1502 49-1211 *	
	2124 49-1027 *	SPORT COUPE 6-passenger, 2-door, 5-window coupe with luggage compartment in rear.	1524 49-1227 *	
		BUSINESS COUPE 3-passenger, 2-door 5-window coupe with luggage compartments behind seat and in rear.	1504 49-1227B *	
	2134 49-1067X *	CONVERTIBLE COUPE 5-passenger, 2-door, 5-window coupe with luggage compartment in rear and folding top.		
	2119 49-1052 *	STEEL STATION WAGON 8-passenger, 4-door, 7-window, all-steel body with drop and lift gates in rear.		
	2109 49-1051 *	WOOD STATION WAGON 8-passenger, 4-door, 7-window, wood body with drop and lift gates in rear.		
		SEDAN DELIVERY 2-passenger, 3-door, 3-window, panel delivery.	1508 49-1271 *	

* - Fisher Body style number.

SERIAL NUMBERS

SERIAL NUMBER LOCATIONS (See descriptions below.)



NOTE: Serial numbers except body number were obtained from Standards Department.

VEHICLE SERIAL NUMBER

Description ----- Combines symbols for assembly plant, model year, model, and month of manufacture, in that order, followed by serial number for each vehicle. Example: 5 OK-A-2322

Assembly plant designation:

Flint, Mich. -----	1
Tarrytown, N.Y. -----	2
St. Louis, Mo. -----	3
Kansas City, Mo. -----	5
Oakland, Calif. -----	6
Atlanta, Ga. -----	8
Norwood, O. -----	9
Baltimore, Md. -----	14
Los Angeles, Calif. -----	20
Janesville, Wis. -----	21

Model year designation ----- G
Model designation:

Special -----	J
De Luxe -----	K

Calendar month designation:

January -----	A
February -----	B
March, etc. -----	C, etc.

Starting serial number ----- 1001 and up, at each assembly plant and for each series.
Location ----- Stamped on plate attached to left front body hinge pillar.

ENGINE SERIAL NUMBER

Description ----- Combines symbols for each model year, passenger car engine, and manufacturing plant, in that order, followed by serial number for each engine. Example: GAA-6375
Model year designation ----- G
Passenger car designation ----- A

Plant designation: Flint Tonawanda

Regular engine -----	A ----- F
RPO 227 Heavy duty clutch -----	C ----- F

Starting serial number -----
----- 1001 and up, at each engine plant.

Location ----- Stamped on right hand side of cylinder block to rear of distributor.

TRANSMISSION SERIAL NUMBER

Description ----- Combines symbols for model year, and type and plant, followed by the serial number for each transmission. Example: GB-1764
Model year designation ----- G

Plant designation: Saginaw Muncie Toledo

Regular with 4.11:1 axle - A ----- B ----- C	
RPO 201 with 3.73:1 axle - D ----- E ----- F	
RPO 316 heavy duty transmission and 4.11:1 axle } G ----- H ----- J	
RPO 316 heavy duty transmission and RPO 201 } K ----- L ----- M	
3.73:1 axle	

Starting serial number -----
----- 1001 and up, at each transmission plant.

Location -- Stamped on case at front edge of cover.

REAR AXLE SERIAL NUMBER

Description ----- Combines symbols for model year, and type and plant, followed by number of rear axle. Example: GB-507.
Model year designation ----- G

Plant designation: Gear & Axle Buffalo

Regular (4.11:1 axle) -----	A ----- B
RPO 201 (3.73:1 axle) -----	
or	
RPO 330 (taxicab axle) -----	C ----- D

Serial number -- The first one or two digits represent the month; the last two, the day of month.

Location ----- Stamped on front, right side of differential carrier.

BODY NUMBER

Description --- Consists of separate numbers and symbols for body style, body number, trim type, and paint combination. Controlled by body source.

Location ----- Stamped on plate on right hand shoulder of cowl, under the hood.

VEHICLE WEIGHTS

Vehicle Type	FLEETLINE Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
De Luxe 2-Door Sedan	1725	1375	3100	1750	1480	3230
Special 2-Door Sedan	1710	1350	3060	1735	1455	3190
De Luxe 4-Door Sedan	1735	1400	3135	1760	1505	3265
Special 4-Door Sedan	1720	1375	3095	1745	1480	3225

Vehicle Type	STYLELINE Shipping			Curb		
	Front	Rear	Total	Front	Rear	Total
De Luxe 2-Door Sedan	1725	1375	3100	1750	1480	3230
Special 2-Door Sedan	1710	1360	3070	1735	1465	3200
De Luxe 4-Door Sedan	1725	1400	3125	1750	1505	3255
Special 4-Door Sedan	1715	1375	3090	1740	1480	3220
De Luxe Sport Coupe	1725	1340	3065	1750	1445	3195
Special Sport Coupe	1705	1325	3030	1730	1430	3160
Special Business Coupe	1705	1310	3015	1730	1415	3145
De Luxe Convertible Coupe	1850	1525	3375	1875	1630	3505
De Luxe Steel Station Wagon	1685	1780	3465	1710	1885	3595
De Luxe Wood Station Wagon	1700	1785	3485	1725	1890	3615
Special Sedan Delivery	1675	1375	3050	1700	1480	3180

☉ - Equipped with 6.70-15 6-ply rating tires.

VEHICLE WEIGHT CONDITIONS

SHIPPING WEIGHT: This weight is established by the Traffic Department. It is the weight of the basic vehicle with all regular equipment and with grease and oil wherever required. It does not include the weight of gasoline or water.

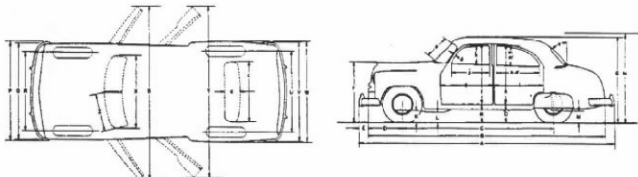
CURB WEIGHT: This is the weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline (95 pounds) and water (31 pounds).

PERFORMANCE WEIGHT: This is the curb weight of the lowest priced 4-door sedan in each line with regular equipment plus 450 pounds for passengers. Representative vehicles are:

Fleetline De Luxe 4-Door Sedan ----- 3715 pounds
 Fleetline Special 4-Door Sedan ----- 3675 pounds
 Styleline De Luxe 4-Door Sedan ----- 3705 pounds
 Styleline Special 4-Door Sedan ----- 3670 pounds

4-29-49. Revised: 8-1-49; 1-16-50. ☉ - Weights Changed

EXTERIOR DIMENSIONS

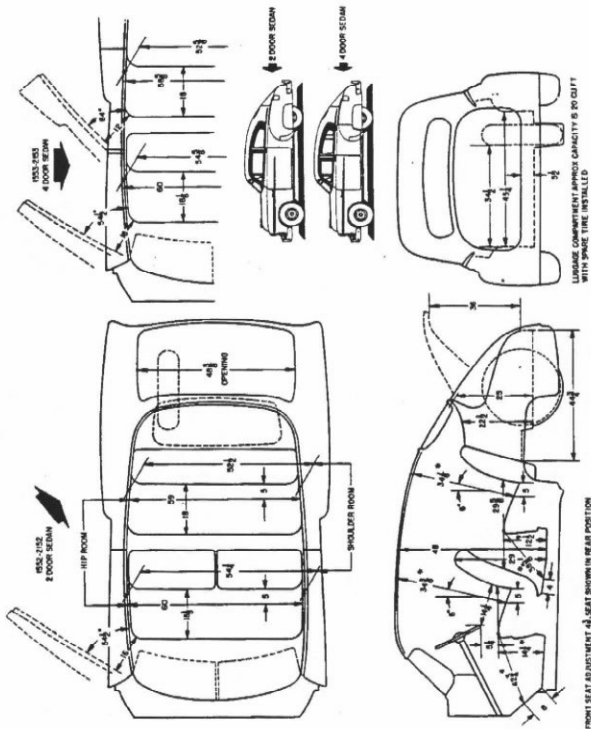


DESCRIPTION	KEY	FLEETLINE				STYLELINE					
		1552 2152	1553 2155	1502 2102	1503 2103	1504-24 2124	2134	2109	2110	1508	
Vehicle length	Overall	A	196-15/16				197-15/16		196-15/16		
	Grille to body rear ¶	B	182-9/16				184-7/8		182-9/16		
	Wheelbase	C	115								
	Grille to frt whl ¶	D	27-9/16								
	Grille to bumper front	E	6-1/2								
Vehicle height	Over ornament, loaded	F*	45-3/4								
	Over roof, loaded	G*	62-3/4	63-5/8		61-15/16	66-13/16		64-3/4		
	Over roof, no load	H*	64-7/8	65-3/4		64-1/16	70-1/8		67-5/8		
Road clearance	Under frt spring seat	KG	7-13/16								
	Under exhaust pipe	LD	7-1/2								
	Under rr axle center	ME	8-1/16								
Door step height	Front door, no load	N*	16								
	Rear door, no load	OG	16-1/8	16-1/8		16-1/8		16-1/8			
Vehicle width	Over front bumper	F	71-5/8								
	Over front fenders	Q	70-1/2								
	Front wheel tread	R	57								
	Over front doors, open	B	148-1/2	131-3/4	147-1/4	134	146-1/2	139-1/2	141-1/2	134	
	Over rear doors, open	T	133-1/4		132		132-1/2		133-1/2		
	Rear wheel tread	U	58-3/4								
	Over rear bumpers	V	73-3/16								
	Over body, maximum	W	73-15/16								
Windshield	Width between pillars	X	50-1/4								
	Width, each half	Z*	27								
	Height on 45° slope	a*	15-3/4	16-3/4		15		16-5/8		16-3/4	
	Corner post on diagonal	b	2-15/16		3		2-15/16		2-15/16		
Rear window	Width	c*	28-7/16	43-15/16		43-1/4	23-1/8	44-3/4	44-1/2	30-5/8	
	Height on slope	d*	17	15		12-13/16	5-8/16	12	12-1/2	10-1/2	
	Slope angle	e	62-1/2°	45°		47°		21-1/2°		27°	
Front door	Opening height	f	41-1/4		42-1/4		41-3/4		44-3/8	43-1/2	42-1/4
	Opening width	g	43	36-1/8	43	36-1/8	43		36-1/8	36-1/8	
	Window DLO height	h*	12-1/2		13-3/4		12-3/4		14	14-1/8	13-3/4
	Window DLO width	j*	35-3/4	27-1/8	36	29	36	35-3/4	27	27-7/8	29
Rear side door	Opening height	k	40-1/4		40-1/4		44-5/8		44		For rear door
	Opening width	l	32-11/16		32-7/8		32-11/16		14-3/8		see
	Window DLO height	m*	19-1/8		13-5/8		14-3/8		14-3/8		see
	Window DLO width	n*	33-1/2		29-1/8		30-3/16		31		page 17
Rear quarter	Window DLO height	m*	16	13-2/8		32		14-5/16		32	
	Window DLO width	n*	19-1/8	29		18-1/2		17-3/4	31-1/4		32

* - Under design load conditions: curb weight of model 2103, plus five passengers (150 lb ea.). The design height of frame from ground, thus established, is used for all other models. † - At curb weight height. ‡ - Road clearance based on static conditions of tires and springs under design load (see *). § - DLO, measured on surface of glass.

BODY INTERIOR DIMENSIONS

Trim and hardware differences between Special and De Luxe models are not considered in these dimensions. However, these differences are never greater than 5/8".

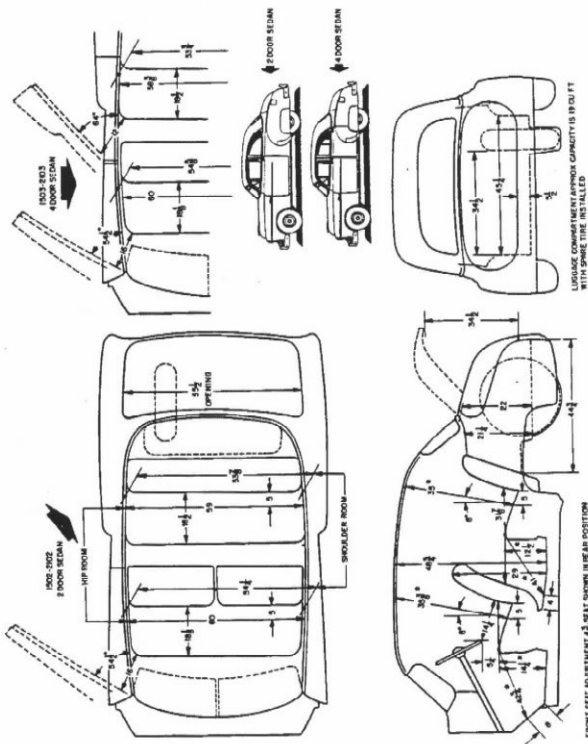


FLEETLINE DE LUXE 2-DOOR AND 4-DOOR SEDANS (MODEL 2150 and 2153)
FLEETLINE SPECIAL 2-DOOR AND 4-DOOR SEDANS (MODEL 1552 and 1553)

CONTINUED

BODY INTERIOR DIMENSIONS—Continued

Trim and hardware differences between Special and De Luxe models are not considered in these dimensions. However, these differences are never greater than 5/8.

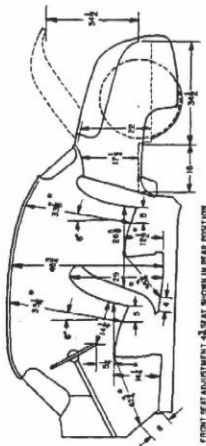
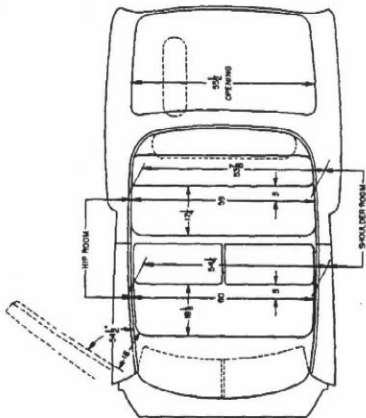
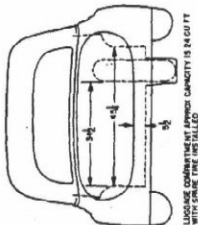


STYLELINE DE LUXE 2-DOOR AND 4-DOOR SEDANS (MODEL 2102 and 2103)
STYLELINE SPECIAL 2-DOOR AND 4-DOOR SEDANS (MODEL 1502 and 1503)

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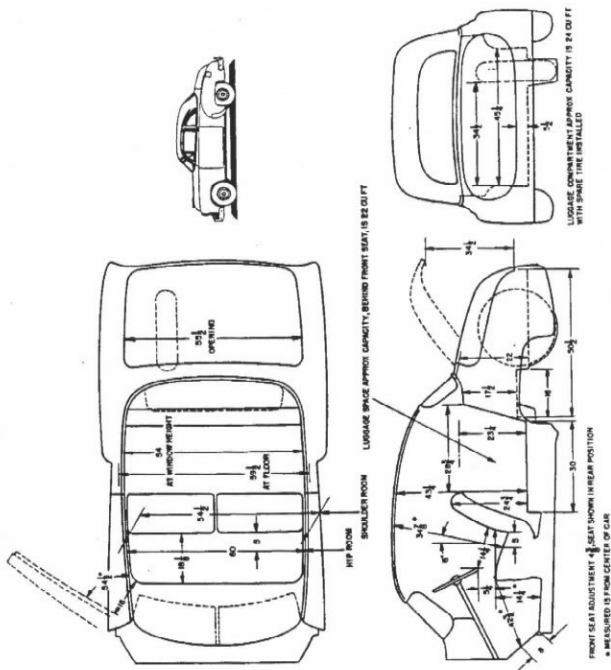
BODY INTERIOR DIMENSIONS—Continued

Trim and hardware differences between Special and De Luxe models are not considered in these dimensions. However, these differences are never greater than 5/8.



STYLELINE DE LUXE SPORT COUPE (MODEL 2124)
STYLELINE SPECIAL SPORT COUPE (MODEL 1524)

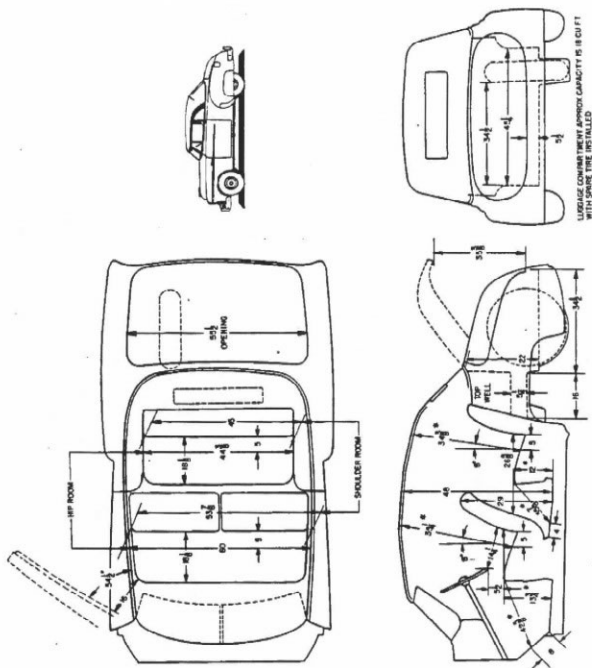
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STYLELINE SPECIAL BUSINESS COUPE (MODEL 1504)

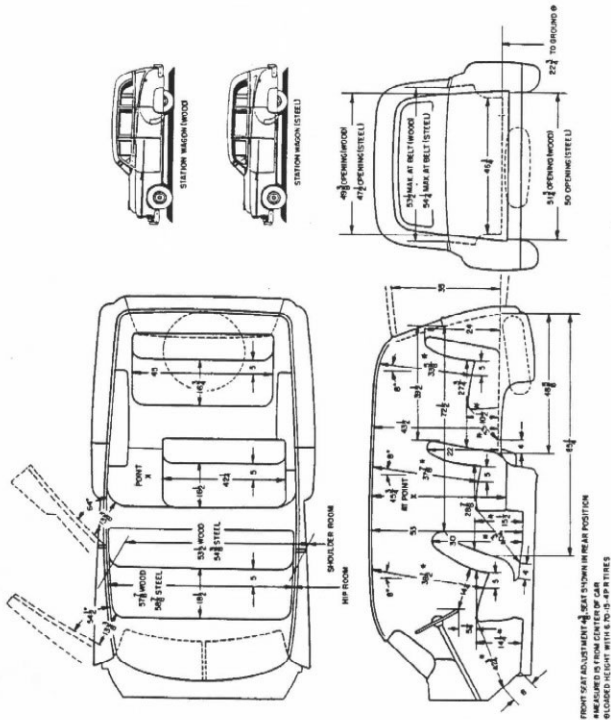
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BODY INTERIOR DIMENSIONS—Continued



STYLELINE DE LUXE CONVERTIBLE COUPE (MODEL 2134)

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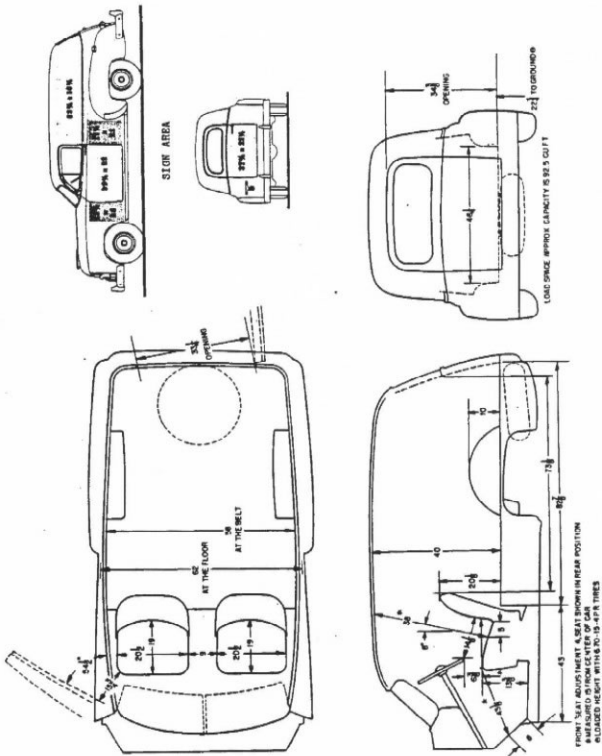


FRONT SEAT ADJUSTMENT SEAT SHOWN IN REAR POSITION
 MEASURED IN FROM CENTER OF CAR
 BULGED HEIGHT WITH 6 TO 7.5-49 P TIRE

STYLELINE DE LUXE STEEL STATION WAGON (MODEL 2119)
 STYLELINE DE LUXE WOOD STATION WAGON (MODEL 2109)

CONTINUED

BODY INTERIOR DIMENSIONS—Continued



STYLELINE SPECIAL SEDAN DELIVERY (MODEL 1508)

REGULAR EQUIPMENT

	ITEM	MODELS	
Exterior	Front and rear bumpers, dual bumper guards		
	Front license guard		
	Hood ornament and emblem		
	Chrome plated headlight rims and doors	All	
	Dual windshield wipers		
	Dual horns		
	Outside key locks, both front doors		
	Front fender nameplates (De Luxe)	2100	
	Gravel deflectors, front and rear	All	
	Rear fender shields	Black rubber	1500
		Stainless steel	2100
	Rear wheel cover panels		
	Rear deck or tail gate emblem	All except 1508	
	Dual tail and stop lamps	All except single on 1508, 2109-19	
	Dual license lights	All except one in tail light on 1508, 2109-19	
	Stainless steel moldings	Belt	All except none on 2109, and only short section on fr doors of 2119
			Sill
		Front fender and door	2100
		Rear fender crown	All
		Windshield divider	
		Reveals Windshield	1508, 2100
			Side window
	Rear window	1508, 2100 except 2109-19-34	
Outside rear view mirror, left hand	1508, 2134		
Ventipane drip shields	All except 2134		
Bonderized body and sheet metal	All		
Interior (Also see page 20, INTERIOR UPHOLSTERY & COLOR COMBINATIONS)	Instrument panel	Stainless steel trim molding	All
		Nameplate (Chevrolet)	
		Glove box lock and light	2100, lock only on 1500
		Clock, stem wind	
		Cigarette lighter	2100, removable panel covers space on 1500
		Ash tray	
		Stainless steel inserts in control knobs (light, choke, throttle, and wiper)	2100, plain plastic on 1500
		Plastic speedometer ring	2100, glass on 1500
		Radio grille, chrome plated	All
		3-position ignition switch	
	Accessory panels painted to match instrument panel	All except chrome plated on 2134	
	Steering wheel	3-spoke with horn button	1500
		2-spoke with horn ring	2100
	Dual sunshades	2100, left hand only on 1500	
	Inside rear view mirror	All except 1508, 2134	
	Dome light	All	
	Automatic dome light switches, both front doors	2100	
	Two coat hooks	All except 1508, 2109-19-34	
	Assist straps	2102-24-52	
	Robe cord	1503-53, 2102-03-52-53	
	Arm rests, both fr doors & rr doors or quarter panels	2100 except fr doors only on 2109-19	
	Foam rubber seat cushion pads	2100 except front only on 2109-19	
	Extra roof insulation		
Rear seat back molding	2100 except 2109-19-34		
Rear seat ash tray	In front seat back	2103-53	
	In quarter panel arm rests	2102-24-34-52	

CONTINUED

REGULAR EQUIPMENT—CONTINUED

ITEM		MODELS
Interior continued	Package shelf ahead of rear window	All except 1508, 2109-19-34
	Dual ventilators in dash	
	Adjustable front seat	All
	Movable ventipanes	
		Front doors
		Rear doors
		2103-53
	Movable quarter windows	1502-52, 2102-09-19-24-34
	Stainless steel inserts in window regulator knobs	2100 except 2109-19
Etched aluminum step plates	2100, painted on 1500	
"Body by Fisher" on front door step plates	2100, emblem on fr seat on 1500	
Luggage compartment lighted by windows in each tail light	All except 1508, 2109-19	

BODY GLASS

ITEM	1503-53	2103-53	1502-52 2102-24-52	1504-24	1508	2134	2109-19
Windshield	Laminated safety plate, curved, 2 panes						
Front door	Laminated safety plate						
Rear door	Ventipanes	Safety solid plate					
	Windows						
Quarter windows			Laminated safety plate	Safety solid plate			Laminated safety plate
Rear window	Safety solid plate, curved						Safety solid plate

EXTERIOR COLOR COMBINATIONS

ITEM	All except 2109-19					2134	2100 except 2109-19-34
Lower body panels, fenders, hood, and gravel deflectors	Mayland Black	Oxford Maroon Metallic	Satin Green	Grecian Gray	Texas Ivory		Ice Green Metallic-chrome (RPO)
Upper body Panels							
Wheels	(Regular)	(RPO)	(RPO)	(RPO)	(RPO)		
Wheel stripes	Argent Silver		French White	Mayland Black			Argent Silver
Convertible	Top fabric	Black	Tan		Black		
	Leather and leather fabric	Red		Green	Red or blue	Black	

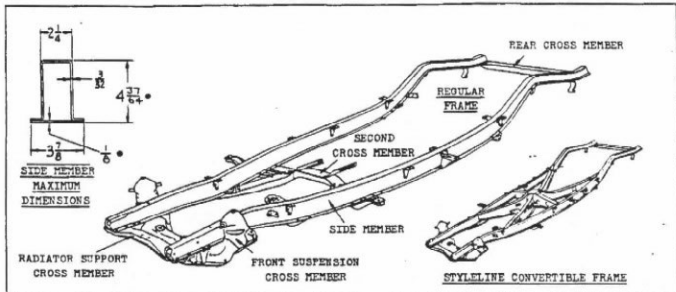
ITEM	All except 2109-19-34			1502-03-04-08-24, 2102-03-24		2109-19	
Lower body panels, fenders, hood, and gravel deflectors	Liveoak Green Metallic	Monaco Blue Metallic	Vista Gray Metallic	Satin Green	Grecian Gray	Oxford Maroon Metallic	Liveoak Green Metallic
Upper body panels				Liveoak Green Metallic	Vista Gray Metallic		
Wheels	(RPO)	(RPO)	(RPO)	(RPO)	(RPO)	(Regular)	(RPO)
Wheel stripes	Argent Silver						

— Station wagon wood finish: Model 2109, manogany panels framed with natural wood. Model 2119, wood grain transfers, manogany panels framed with light ash.

INTERIOR UPHOLSTERY AND COLOR COMBINATIONS

ITEM	1500 except 1504-08	1504	1508	2100 except 2109-19-34	2109-19	2134
Seat and back cushions	Tan striped pattern pile fabric with rubber-sized back		Brown leather fabric	Regular, tan striped pattern broadcloth RPO, tan stripe pattern free-breathing pile fabric	Tan leather fabric	Tan Bedford cord with genuine leather bolsters, see exterior colors
Front seat back	Plain tan pile fabric with chevron self-pattern			Regular, plain tan cloth RPO, same as on 1500	Mahogany panels	Leather fabric
Doors Lower				Regular, plain brown cloth RPO, br pile fab		
Doors Upper						Leather fabric
Doors Holding				Stainless steel		Stainless steel
Quarter panels Lower	Same as doors	Br leather grain fiber board	Fiber board painted light gray	Same as doors		Leather fabric
Quarter panels Upper						
Quarter panels Holding						
Scuff pads Doors	Br leather fab, at stl bead			Brown leather fabric with at stl bead	Seat back mat., at stl bead	
Scuff pads Quarter panels						
Headlining	Plain gray cloth		Light gray leather fabric	Plain gray cloth	Steel bows & leather fab, wood grain finish	Top fabric
Sunshades	Headlining with brown leather fabric grip			Headlining with brown leather fabric grip	Tan leather fabric	Black or tan leather fab to match top
Arm rests Front				Upper, brown leather fabric Lower, tan paint, at stl bead	Tan leather fab top, tan paint below, at stl bead	Upper, leather fab, lower tan paint, at stl bead
Arm rests Rear				at stl bead		Leather fab
Floor coverings Front	Black rubber			Brown rubber with simulated carpet (rubber) inserts		Brown rubber with carpet inserts to match leather
Floor coverings Rear	Carpet to harmonize with upholstery		Flywood Painted brown	Carpet to harmonize with upholstery	Brown rubber ahead of center seat, brown linoleum below and behind center seat	Carpet to match leather
Floor coverings Rear deck				Brown rubber		Brown rubber
Inst panel Lower	Brown metallicchrome paint			Tan metallicchrome paint		Body color
Inst panel Upper						
Garnish moldings W/S						
Garnish moldings Rear window						
Garnish moldings Side door & quarter windows	Instrument panel color with Florida Gray stripe, except no stripe on 1504-24 quarter windows			Upper instrument panel color with st steel bead	Natural wood	Body color with stainless steel bead

CHASSIS FRAME



Make ----- Own
 Type ----- Box girder
 Construction:

Side members ----- Box girder, full length, deep flanged channel, with reinforcing plate across full width of channel flanges
 Radiator support cross member ----- Flanged channel section
 Front cross member ----- Flanged semi-tubular type with a flat steel bottom plate across diametral width of the section
 Second cross member ----- Box girder, with box section braces to the side members
 Rear cross member ----- Box girder

Max overall length ----- 171-7/16
 Max width (over side member flanges) ----- 47
 Material ----- Hot rolled steel, pickled
 Material yield point ----- 33,000 lb per sq.in.
 Material elongation ----- 25% min in 2 inches
 Side member section modulus: ----- 1.725 in.cu. per side x

STYLELINE CONVERTIBLE FRAME

Construction:

Same as regular frame, but second cross member is replaced by a heavier structure of I-beam members in a crossed-X arrangement.

FRONT SUSPENSION

Make ----- Own
 Type ----- Independent
 SLA (short and long arm wishbone type), assembled and aligned as a complete suspension unit
 Rated capacity ----- 2000 lb

WHEEL TRAVEL

Vertical -----
 --- 3-5/8 up, 4 down from loaded height position
 Wheel to spring ratio ----- 1.65:1 (wheel travels 3-5/8 at a rate of 125 pounds per inch, spring travels 2-3/16 at a rate of 340 pounds per inch)
 Wheel travel for steering ----- 32° from neutral to stop

SPRINGS

Make ----- Own
 Type ----- Right hand helical coil
 Material ----- Chrome alloy steel
 Gauge ----- .594-.598 diameter
 Number of coils (approximate) ----- 11-1/4 (9.45 coils active)

Outside diameter ----- 4-3/8
 Pitch diameter ----- 3.802 (theoretical)
 Free height ----- 14
 Capacity at ground ----- 1060 lb
 Working height ----- 9-5/8 at 1400 lb
 Height under curb weight (Styleline De Luxe Four-Door Sedan) ----- 10
 Deflection rate: At spring ----- 340 lb per in.
 At wheel ----- 125 lb per in.

SPRING BUMPERS

Type ----- Rubber (2, compression and rebound)

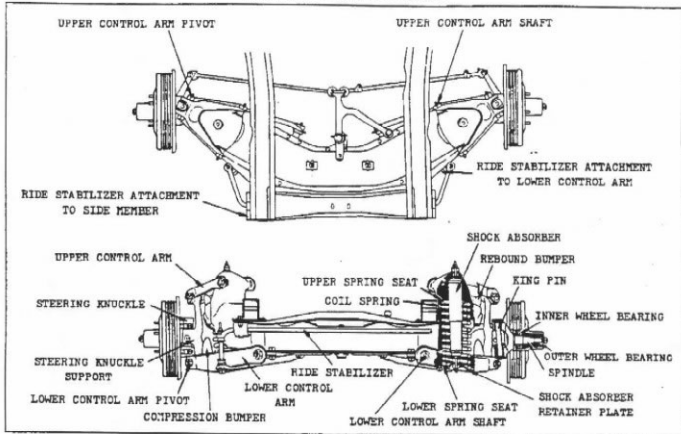
SHOCK ABSORBERS

Make ----- Delco
 Type ----- Direct, double-acting, hydraulic
 Mounting ----- Vertically, from lower control arm through coil spring to dome of spring housing
 Model number ----- 1075F
 Valve code ----- 3C3/D1
 Piston dia and travel ----- 1 x 5

CONTINUED

4-29-49. Revised: 5-16-49; 8-1-49; 1-16-50, * - Dimensions removed. x - Section modulus revised.

FRONT SUSPENSION—Continued



RIDE STABILIZER

STEERING KNUCKLE

Type ----- Torsion bar
Attachment ----- Rubber-
insulated brackets to bottom plates of frame
side members, and rubber-insulated link bolts to
brackets on front suspension lower control arms.

Type ----- Reverse Elliott
Spindle diameters:
At inner bearing ----- 1.2801-.2806
At outer bearing ----- .7490-.7495

FRONT WHEEL ALIGNMENT (Service Data)

KING PIN

Camber, caster - means of adjustment -----
Upper pivot bolts ----- 00-10
Camber ----- 00-10
Caster ----- 00-10
King pin inclination ----- 3°30'-4°30'
Toe-in ----- 0-1/8
Toe-out on turns:
Outside wheel ----- 200
Inside wheel ----- 220-260

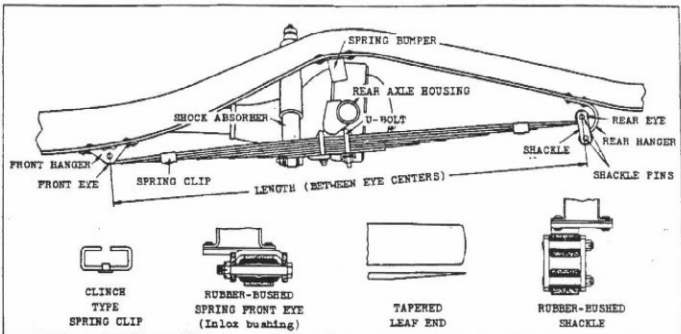
Diameter ----- .9660-.8665
Bushings:
Inside diameter ----- .867-.868
Length ----- 1-5/16

Wheel bearing lubricant -----
High melting-point grease
Anti-friction bearings ----- See page 101

FRICTION BEARINGS	UPPER CONTROL ARMS				LOWER CONTROL ARMS			
	Pivot Bolt	Bolt Bushings	• Shaft Bushings	• Shaft Ends	Pivot Bolt	Bolt Bushings	Shaft Bushings	Shaft Ends
Type	Threaded steel bushings							
Type of thread	11-pitch, special							
Thread major diameter	Front	.644-.662	.694	.774	.714-.732	.774	.689	x
	Center		minimum	minimum	.736-.740	.724-.742	minimum	minimum
	Rear	.644-.652			.736-.756			.852-.862
Mounting	Clamp lock				• Self-locking threads Bolted			
Seal	Synthetic rubber, self-sealing							

4-29-49. Revised: 1-16-50, • - Error corrected; x - Dimension changed; * - Data added.

REAR SUSPENSION



Make and type ----- Own, semi-elliptic
 Material ----- Chrome carbon steel
 Length x width ----- 49 x 1-3/4
 Spring clips ----- 2, clinch type
 Spring covers ----- Metal with fabric liner

Item	All models except 1504-08, 2109-19	1504	1508 (RPO 254 on all others except 2109-2119)	2109 2119	RPO 254 on 1508 2109-2119
	Number of leaves	7			8
Thickness of leaves	#1-2-3-4	.237			
	#5-6-7	.214			
	#8			.262	
Total thickness	1.590		1.604	1.896	1.996
Avg design load at camber height	825 lb	750 lb	920 lb	1250 lb	1365 lb
Camber height at design load	5/8 negative		1 neg	5/8 negative	
Avg rate of deflection (lb/in)	108		115	145	165
Leaf end type	Tapered			Flat	
Capacity at ground (lb)	1075	945	1180	1455	1600

SPRING MOUNTING

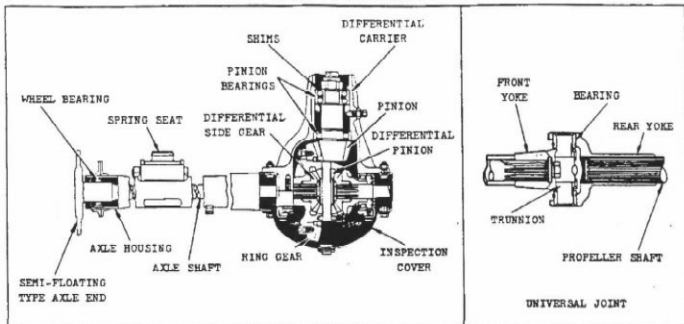
Type ----- Parallel, 45-1/4 between centers
 Front eye bolt diameter ----- .500-.504
 Front eye bolt bushing, type and size ----- Rubber-bushed, .505 min I D x 2.400-2.410 long
 Shackle mounting ----- In tension from rear hanger
 Shackle type ----- Rubber-bushed
 Shackle pin O D ----- .498-.502
 Shackle bushing size --- .850-.860 OD x 1.125-1.145; two per shackle pin; 2 in. long when assembled
 Spring to axle attachment ----- 2 U-bolts (1/2 dia) to rubber bushed seat on rear axle housing

SHOCK ABSORBERS

Make and type ----- Delco, hydraulic, direct double-acting
 Model number ----- 1088-V
 Valve code ----- 4E8/E1
 Piston diameter and travel ----- 1 x 5-1/2

4-29-49. Revised: 5-16-49; 8-1-49; 1-16-50, * - Assembled length corrected.

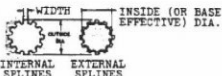
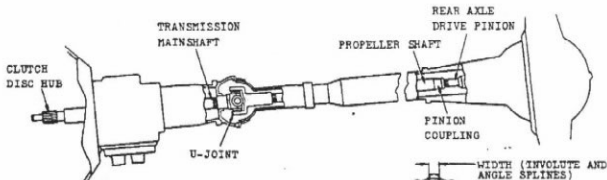
REAR AXLE AND DRIVE



ITEM		1500-2100	
Make and type		Own, semi-floating with torque tube drive through fully enclosed universal joint and propeller shaft	
Rating (pounds)		3000	
Housing type		Pressed steel banjo, 2-piece welded with pressed steel inspection cover	
Final drive gears	Regular or RPO	Regular	RPO
	Type	Spiral hypoid	
	Ratio	4.11:1	3.73:1
	Teeth	37 & 9	41 & 11
Gear backlash		.005-.008	
Pinion	Mounting	Overhung	
	Adjustment	Shims (average .033) in differential carrier forward of front bearing	
	Thrust	Against pinion front bearing	
Total gear reduction (axle ratio x transmission ratio)	1st	12.08	10.97
	2nd	6.90	6.27
	3rd	4.11	3.73
	rev	12.08	10.97
Axle shaft torque (ft lb) = total gear red x engine max torque x factor .90 in 3rd, others .85	1st	1726	1567
	2nd	985	895
	3rd	621	564
	rev	1726	1567
Axle shaft	Material & type	Forged steel with wheel drive flange forged integral with shaft	
	Min diameter	63/64	
Differential type		2-pinion, with malleable iron case and carrier	
Drive medium		Chassis rear springs	
Lubricant capacity		3-1/2 pints	
Lubricant recommended		SAE 90 Passenger Car Hypoid Lubricant or "Multi-Purpose" Lubricant	
Lock sleeve lock screw torque		26-30 ft lb	
Pinion fr brg ret nut torque		200-240 ft lb	
Diff bearing cap bolt torque		65-80 ft lb	
Universal joint	Make and type	Own, yoke and spider (trunnion)	
	Trunnion, mat. & size	Drop forged steel, hardened. Pin dia .6835-.6845	
	Bushing I D x length	.657-.666 x 17/32	
	Lubrication	From transmission	
Prop shaft: make, type, size		Own, tubular, 1.995-2.005 O D x .063-.067 wall thickness	
Anti-friction bearings		See page 101	

4-29-49. Revised: 1-16-50. • - Drive method clarified.

DRIVE SYSTEM SPLINES



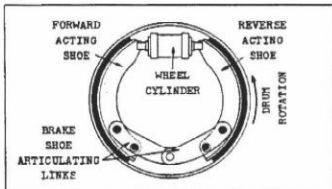
Type of splines	Internal	External
Clutch disc hub	Width .174 - .176	.1705 - .1725
and transmission clutch gear shaft	I D .920 - .925	.918 max
	O D 1.134 - 1.144	1.110 - 1.121
Transmission mainshaft and universal joint front yoke	Width .1473 - .1483	.1458 - .1473
Propeller shaft front end and universal joint rear yoke	I D .890 - .891	.853 - .863
	O D 1.003 - 1.017	.973 - .980
Propeller shaft front end and universal joint rear yoke	No.	10 (straight side)
	No.	10 (involute)
Propeller shaft front end and universal joint rear yoke	Width .0951 - .0961	.0921 - .0941
	I D .993 - .997	.953 - .961
Propeller shaft front end and universal joint rear yoke	O D 1.0835 - 1.0935	1.0642 - 1.0657
	No.	17 (involute)

Type of splines	Internal	External
Prop. shaft rear end coupling and rear axle drive pinion shaft	Width .0951 - .0961	.0951 - .0971
Differential side gear and axle shaft	I D .985 - .989	.962 - .972
	O D 1.0835 - 1.0935	1.068 - 1.074
Differential side gear and axle shaft	No.	17 (involute)
	No.	10 (straight side)
Differential side gear and axle shaft	Width .180 - .183	.178 - .180
	I D 1.037 - 1.042	1.004 - 1.014
Differential side gear and axle shaft	O D 1.186 - 1.193	1.1525 - 1.1575
	No.	10 (straight side)

BRAKES

SERVICE BRAKES

Make ----- Own
 Type ----- Hydraulic, four-wheel internal expanding, double-articulated shoe
 Brake drum: Type ----- Composite (cast alloy iron rim and cooling ribs; pressed steel web)
 Diameter ----- 11 (both front and rear)
 Braking pressure:
 Front ----- 57.7%
 Rear ----- 42.3%
 Brake lining:
 Material --- Full-molded asbestos composition
 Width ----- 1-3/4
 Thickness ----- .187-.194
 Length per wheel (inside arc) ----- 20-5/8
 Method of attachment to shoe ----- Bonded
 Clearance -----
 --- Adjust to slight drag, back off 4 notches
 Total effective lining area ----- 150 sq in
 Main cylinder: Diameter ----- 1
 Piston travel ----- 1-11/32 max
 Wheel cylinder: Diameter-front ----- 1-5/16
 Diameter-rear ----- 1-1/8
 Piston travel ----- .112
 Braking ratio: Pedal ----- 4.85:1, approx
 Hydraulic ----- 11.98:1, approx
 Average overall ----- 57.58:1, approx

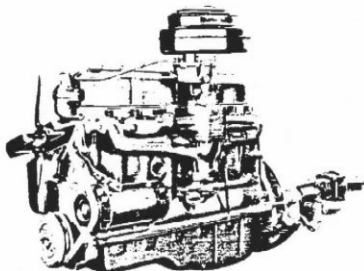


Foot pedal: Travel ----- 6-17/32
 Mounting ----- With main cylinder to frame
 Pad cover material ----- Rubber
 Brake system fluid capacity ----- .68 pint approx
 Brake fluid recommended ----- Delco Super #9
 Vacuum booster ----- None

PARKING BRAKE

Make and type ----- Own, mechanical. Pull rods and cables operate the two rear service brakes
 Total effective lining area ----- 75 sq in
 Control -- L-handle on ratchet-rod (pull to apply, turn 90° clockwise to release), mounted below instrument panel at right of steering column.

POWER PLANT GENERAL INFORMATION



"TRIPT MASTER" ENGINE BASIC DESIGN DATA

Type ----- 6 cylinder, valve-in-head
 Bore x stroke (nominal) ----- 3-1/2 x 3-3/4
 Piston displacement ----- 216.5 cu in
 Compression ratio ----- 6.6:1 (no option)
 Taxable (SAE) horsepower ----- 29.4
 Engine idling speed ----- 450-500 RPM
 Compression pressure at cranking speed -----
 --- 110 pounds at 210 to 220 RPM with engine hot

ADVERTISED MAXIMUM ENGINE PERFORMANCE

Gross brake horsepower ----- 90 at 3300 RPM
 Net brake horsepower ----- 83 at 3200 RPM
 Gross torque ----- 174 ft lb at 1200 to 2000 RPM
 Net torque ----- 166 ft lb at 1100 RPM

ADVERTISED CAR PERFORMANCE

These data are intended primarily for use in trade journal specification tables which require such information for the standard, lowest-priced, 4-door sedan in each line. The figures shown are based on the curb weight of the vehicle with regular equipment including a spare tire plus 450 pounds for three passengers:

	STYLE - FLEET-	
	LINE	LINE

Performance weight (pounds) -----	3670	3675	*
Car weight/adv gross h p -----	40.78	40.83	*
Car weight/cu in piston displ -----	16.95	16.97	*
Adv horsepower/cu in displ -----	.42	.42	
Power displ (cu ft/car mile)* -----	192.6	192.6	
Displ factor (cu ft/ton mile)@ -----	105.0	104.9	*

* - Crankshaft rev/mi x piston displ ÷ 2

1726

@ - Power displ ÷ performance weight in tons.

ENGINE SPEED AND PISTON TRAVEL

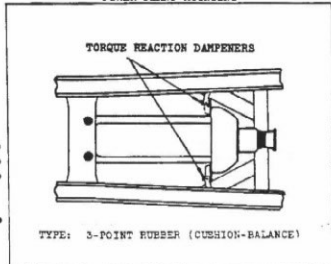
With regular (4.11:1) or RPO 201 (3.73:1) rear axle, in combination with regular (6.70-15) tires

ITEM		4.11:1 Axle	3.73:1 Axle
Crankshaft rev per mile		3074	2790
Crankshaft rev at one mile per hour	1st	151	137
	End	86	78
	3rd	51	47
Piston travel (feet per mile)		1921	1744

WEIGHTS (dry)

Engine and clutch (complete) ----- 576 lb
 Engine, clutch, and transmission ----- 631 lb

POWER PLANT MOUNTING



TYPE: 3-POINT RUBBER (CUSHION-BALANCE)

4-29-49. Revised: 8-1-49, * - Data corrected to new performance weights.