

AMA Specifications – Passenger Car

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MANUFACTURER	CAR NAME	
OLDSMOBILE	JETSTAR 88	
MAILING ADDRESS	MODEL YEAR	ISSUED: 9-24-64
LANSING, MICHIGAN	1965	REVISED (•)

NOTES:

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
 - Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - Nominal design dimensions are used throughout these specifications.

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BODY—TYPES AND STYLE NAMES—

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

<u>Body Type</u>	<u>No. of Passengers</u>	<u>Model No.</u>
Hardtop Coupe (2 Dr.)	6	35237
Hardtop Sedan (4 Dr.)	6	35239
Convertible (2 Dr.)	5	35267
Sedan (4 Dr.)	6	35269

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.	
			35269
Wheelbase (L101)		23	123.0
Tread	Front (W101)	22	62.5
	Rear (W102)	22	63.0
Maximum Overall Dimensions	Length (L103)	23	216.9
	Width (W103)	22	79.9
	Height (H101)	24	55.5
Transmission— (Specify trade name — opt., not available)	Manual	15	Standard
	Overdrive	16	N. A.
	Automatic	16	Optional
Axle ratio	Manual	17	3.23:1
	Overdrive	17	N. A.
	Automatic	17	3.08:1
Tire size		16	7.75 x 14
Engine	Type, no. cyl., valve arr.	2	90° OHV V8
	Fuel system (Carb., other)	8	Carburetor
	Bore and stroke	2	3.938 x 3.385
	Piston displ., cu.in.	2	330
	Std. compression ratio	2	10.25:1
	Max. bhp at engine rpm	2	260 @ 4800
	Max. torque at rpm	2	355 @ 2800

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GENERAL SPECIFICATIONS — DIMENSIONS

(All dimensions in inches unless otherwise indicated)
(Supplemental data available on request)

MODEL	Ref. No.	
		35269

FRONT COMPARTMENT

Shoulder room	W3	62.3
Max. eff. leg room - accelerator	L34	41.4
Effective head room	H61	38.7
H Point to Heel point	H30	8.5
Upper body opening to ground	H50	44.4

REAR COMPARTMENT

Shoulder room	W4	61.4
H Point couple distance	L50	36.3
Minimum effective leg room	L51	39.2
Effective head room	H63	37.7

STATION WAGON—THIRD SEAT

Shoulder room	W85	
Effective leg room	L86	NOT
Effective head room	H86	AVAILABLE

LUGGAGE COMPARTMENT

Usable luggage capacity (See instr.)	V1	19.4
Liftover height	H195	27.9
Position of spare tire storage		TRUNK INCLINE
Method of holding lid open		Counter Balance - Torsion Bar

STATION WAGON—CARGO SPACE

Minimum distance between wheel houses at floor level	W201	
Rear end opening width at belt	W204	NOT
Floor length from back of front seat at floor level to inside of closed tail gate	L202	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	AVAILABLE
Maximum height - floor covering to headlining at centerline of rear axle	H201	
Maximum height of rear opening - tall and lift gates open	H202	
Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	

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MODEL 35269

ENGINE—GENERAL

Type, no. cyls., valve arr.	90° V-8 OHV	
Bore and stroke (nominal)	3.9385 x 3.3850	
Piston displacement, c.u. in.	330	
Bore spacing (C/L to C/L)	4.625	
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	
Compras. ratio (nominal)	10.25:1	
Cylinder Head Material	Cast Iron	
Cylinder Block Material	Cast Iron	
Cylinder Sleeve—Wet, dry, none	None	
Number of mounting points	Front	Two
	Rear	One
Engine installation angle	4°	
Taxable horsepower $\frac{\text{Dia.}^2 \times \text{No. Cyl.}}{2.5}$	49.6	
Published max. bhp* @ eng. RPM	260 @ 4800	
Published max. torque* (lb. ft. @ RPM)	355 @ 2800	
Recommended fuel regular - premium	Premium	
Idle speed (spec. neutral or drive)	Manual	600
	Automatic	500 in Drive

ENGINE—PISTONS

Material	Aluminum Alloy	
Description and finish	Autothermic, Cam Grind, Tin Plate, Steel Strut	
Weight (piston only) oz.	20.670	
Clearance (limits)	Top land	.0300 - .0350
	Skirt	Top .0010 - .0025
		Bottom .0010 - .0015
Ring groove depth	No. 1 ring	.2035 - .2105
	No. 2 ring	.2035 - .2105
	No. 3 ring	.1955 - .2025
	No. 4 ring	None

*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

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POWER TEAMS

(Indicate whether standard or optional)

MODEL AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO (Std. first)
	Displ. cu. in.	Carburetor	Compr. Ratio	BHP @ RPM	Torque @ RPM		
35269 <u>Optional</u>	330	4 bbl.	10.25	315 @ 5200	360 @ 3600	Syncromesh Jetaway	3.23:1 3.08:1
35269 <u>Standard</u>	330	2 bbl.	10.25	260 @ 4800	355 @ 2800	Syncromesh Jetaway	3.23:1 3.08:1

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ENGINE-RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	Cast Iron-Upper Ring: Chrome Plated O. D. Taper Face Lower Ring: Grandseal. Taper Face
	Width	#1: .0775 - .0780 #2 .0770 - .0780
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	Two Rails: Spring Steel Chrome Plated Spacer: Steel Spr - 601 - 75
	Width	Rails: .0235 - .0250 Each Spacer .137 - .139
	Gap	.015 - .055
Expanders		None

ENGINE-PISTON PINS

Material		Steel SAE #1019
Length		3.126
Diameter		.9803 - .9807
Type	Locked in rod, in piston, floating, etc.	
	Pressed In Rod	
	Bushing	None
	Material	
Clearance	In piston	.0003 - .0005
	In rod	.0008 - .0016 Press
Direction & amount offset in piston		.060 to R.H. of Cylinder Bore Center Line

ENGINE-CONNECTING RODS

Material		Steel SAE #1140
Weight (oz.)		24.45
Length (center to center)		6.000
Bearing	Material & Type	Moraine 100 Babbit Steel Backed
	Overall length	.821 - .831
	Clearance (limits)	.0009 - .0030
	End play	(.004 to .009 Preferred) .002 - .013 2 Rods Per Crankpin

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MODEL 35269

ENGINE—CRANKSHAFT

Material		A. I. S. I. #1049 Modified	
Vibration damper type		Tuned Rubber	
End thrust taken by bearing (No.)		Three	
Crankshaft end play		.005 - .013	
Main bearing	Material & type		Moraine 100 Babbit Steel Backed
	Clearance		#1 - 2 - 3 - 4 .0005 - .0021 #5 .0015 - .0031
	Journal dia. and bearing overall length	No. 1	2.50 x .975
		No. 2	2.50 x .975
		No. 3	2.50 x 1.194
		No. 4	2.50 x .975
		No. 5	2.50 x 1.624
		No. 6	None
		No. 7	None
	Dir. & amt. cyl. offset		None
Crankpin journal diameter		2.1238 - 2.1248	

ENGINE—CAMSHAFT

Location	Center		
Material	Alloy Cast Iron		
Bearings	Material	#1010 Steel Backed GM 4195 M Babbit	
	Number	5	
Type of Drive	Gear or chain	Chain	
	Crankshaft gear or sprocket material	SAE #1118, 1140, 1141, 1146, G.M. 85 M Steel or A.S.T.M. B-310 Sintered Iron	
	Camshaft gear or sprocket material	SAE 308 Aluminum With #101 Nylon Teeth Optional: Cast Iron	
	Timing chain	No. of links	48
		Width	.740
		Pitch	.500

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard
Valve rotator, type (intake, exhaust)		None
Rocker ratio		1.6:1
Operating tappet clearance (indicate hot or cold)	Intake	None
	Exhaust	None
Timing marks on flywheel, damper, other		Pulley Hub or Vibration Dampener

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ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	12	
		Closes (°ABC)	58	
		Duration - deg.	250	
	Exhaust	Opens (°BBC)	60	
		Closes (°ATC)	24	
		Duration - deg.	264	
	Valve opening overlap		36	
Intake	Material		SAE 1041 1047 Steel	
	Overall length		4.740	
	Actual overall head dia.		1.880 - 1.870	
	Angle of seat & face		46° Valve Face 45° Seat	
	Seat insert material		None	
	Stem diameter		3432 - .3425	
	Stem to guide clearance		.0010 - .0027	
	Lift (@ zero lash)		.389	
	Outer spring press. and length	Valve closed (lb. @ in.)	80 @ 1.670	
		Valve open (lb. @ in.)	187 @ 1.270	
	Inner spring press. and length	Valve closed (lb. @ in.)	Damper	
		Valve open (lb. @ in.)	—	
	Exhaust	Material		G. M. N82152 Steel
		Overall length		4.728
		Actual overall head dia.		1.562
		Angle of seat & face		46° Valve Face - 45° Seat
		Seat insert material		None
Stem diameter		.3427 - .3420		
Stem to guide clearance		.0015 - .0032		
Lift (@ zero lash)		.390		
Outer spring press. and length		Valve closed (lb. @ in.)	80 @ 1.670	
		Valve open (lb. @ in.)	187 @ 1.270	
Inner spring press. and length		Valve closed (lb. @ in.)	Damper	
		Valve open (lb. @ in.)	—	

ENGINE—LUBRICATION SYSTEM

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

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ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	35-45 @ 50 MPH
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full Flow
Filter replacement (element, complete)	Complete
Capacity of crankcase, less filter-refill (qt.)	4 Quarts
Oil grade recommended (SAE viscosity and temperature range)	Above 32° F—SAE 10W30, SAE 20W Below 32° & Above 0° F—SAE 10W30, SAE 10W Below 0° F—SAE 5W20, SAE 5W
Engine Service Requirement (MM, MS, etc.)	

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Single
Muffler No. & type (reverse flow, straight thru, separate resonator)	Reverse Flow
Exhaust pipe dia. (O.D. Branch wall thickness)	.076 x 2.00
Main	.076 x 2.25
Tail pipe diameter (O.D. & wall thickness)	.060 x 2.26

ENGINE—CRANKCASE VENTILATION SYSTEM

Type (ventilates to atmos., induction system, other)	Standard	Positive Crankcase Ventilation
	Optional	None
Make and model		AC Dual Action
Location		Valve Cover
Energy source (manifold vacuum, carburetor air stream, other)		Manifold Vacuum and Carburetor Air
Control method (variable orifice, fixed orifice, other)		Fixed Orifice
Discharges (to intake manifold, carb. air intake, air cleaner, intake, other)		Intake Manifold and Air Cleaner
Air inlet (breather cap, carburetor air cleaner, other)		Breather Cap
Flame arrestor (screen, check valve, other)		Screw

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MODEL _____

ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.			Carburetor		
Fuel Tank	Capacity (gals.)		25		
	Filler location		Rear Bumper Behind License Plate		
Fuel Pump	Type (elec. or mech.)		Mechanical		
	Locations		Right Front on Block		
	Pressure range		7 3/4 - 9 PSI		
Vacuum booster (std., optional, none)			None		
Fuel Filter	Type		Sintered Bronze & Saran Type		
	Locations		Carburetor & Fuel Tank		
Carburetor	Choke type		Automatic		
	Intake manifold heat control (exhaust or water)		Exhaust		
	Air clnr. type	Standard	Paper		
		Optional	None		

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
35000 All	330	Syncromesh & Jetaway	Rochester	46C	1	Prim. 1 7/16 Sec. 11/16

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ENGINE-COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)	Pressure
Radiator cap relief valve pressure	15 PSI
Circulation thermostat	Bypass
Starts to open at (°F)	180°
Water pump	Centrifugal
Type (centrifugal, other)	22
GPM @ 1000 pump rpm	1
Number of pumps	V-Belt
Drive (V-belt, other)	Ball
Bearing type	External
By-pass recirculation type (internal, external)	External
Radiator core type (cellular, tube and fin, other)	Tube & Center
Cooling system capacity	16.5
With heater (qt.)	15.5
Without heater (qt.)	17.0 Air Conditioning
Opt. equipment-specify (qt.)	Yes
Water jackets full length of cylinder (yes, no)	Yes
Water all around cylinder (yes, no)	Yes
Radiator hose	1 Molded
Lower	Inside diameter
	1.75
Upper	Number and type (molded, straight)
	1 Molded
	Inside diameter
	1.50
By-pass	Number and type (molded, straight)
	1 Molded
	Inside diameter
	.73
Fan	Number of blades & Spacing
	4 @ 76°
	Diameter
	17.25
	Ratio-fan to crankshaft rev.
	.85
	Fan cutout type
	Clutch AC only
	Bearing type
	Ball
Drive belts	Fan
(indicate belt used by letter)	36° x 48.5 x .380
	Generator
	Same Belt
	Water Pump
	Same Belt
	Power Steering
	36° x 59.5 x .380
	Air Conditioning
	36° x 58.5 x .380

* Drive Belt Dimensions	
Angle of V	
Nominal length (SAE)	
Width	

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ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco Remy 1980558
	Voltage Rtg. & Total Plates		12V - 66 Plates
	SAE Designation & Amp Hr. Rtg		25 MD - 61 Amp. Hr.
	Location		Engine Compartment - Front Left Hand Side
	Terminal grounded		Negative
Generator	Make		Delco Remy
	Model		1100699
	Type		Diode Self-Rectifying AC
	Ratio—Gen. to Cr/s rev.		2.33
	Gen. cut-in (hot)—engine rpm		Charge on Idle
Regulator	Make		Delco Remy
	Model		1119515
	Type		Vibrating Contact
	Cutout relay	Closing voltage @ generator rpm	None
		Reverse current to open	None
	Regu-lated	Voltage	13.5 - 14.4
		Current	None - Self Regulating
	Voltage test con- ditions	Temperature	120° F
		Load	Less Than 10 Amps
		Other	Upper Contacts

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco Remy
	Model		1107330 - T-2446
	Rotation (drive end view)		Clockwise
	Engine cranking speed		150
	Test conditions		80° F
	Lock test	Amps	Not Specified
		Volts	Not Specified
		Torque (lb. ft.)	Not Specified
	No load test	Amps	70 to 105
		Volts	10.6
		RPM (min.)	3800
Motor control	Switch (solenoid, manual)		Solenoid
	Starting procedure		Turn ignition switch against spring load to full clockwise position, cars with automatic transmission must be in park or neutral to start.

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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Solenoid with Overrunning Clutch
	Pinion meshes (front, rear)		Front
	Number of teeth	Pinion	9
		Flywheel	166
	Flywheel tooth face width		438

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco Remy	
	Model		1115216 - T3153-A	
	Amps	Engine stopped	6.0 at 12V (75° Winding Temp)	
		Engine idling	1.35	
Distributor	Make		Delco Remy	
	Model		111048	
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0°-2 @ 650 RPM	
		Intermediate points deg. @ rpm	15°-19° 2050 RPM	
		Max deg. @ rpm	24°-28° 4250 RPM	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0° @ 7 in. Hg.	
		Intermediate points, deg @ in Hg	2.5°-8.2° @ 10 in. Hg. 9.4°-15.2° @ 13 in. Hg. 16.5°-20.0° @ 16.7 in. Hg.	
		Max. deg. in. Hg.	21.5° @ 25 in. Hg.	
	Breaker gap (in.)		.016	
	Cam angle (deg.)		28 - 32	
Timing	Breaker arm tension (oz.)		19 - 23	
	Crankshaft deg. @ rpm.		7 1/2° @ 850 RPM	
	Mark location		Pulley Hub	
	Cylinder numbering system (see page 2)		Right Bank 2-4-6-8 Left Bank 1-3-5-7	
	Firing order (see page 2)		1-8-4-3-6-5-7-2	
Spark Plug	Make and model		AC 44S	
	Thread (mm)		14MM	
	Tightening torque (lb. ft.)		30	
	Gap		.030	
Cable	Conductor type		Resistance	
	Insulation type		Neoprene	
	Spark plug protector		Hypalon	

ELECTRICAL—SUPPRESSION

Locations & type	Resistance core spark plug leads and coil leads. Bypass condensers at alternator, Regulator and coil on radio equipped cars.
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ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		Ind Lamp
Temperature indicator—type		Ind Lamp
Oil pressure indicator—type		Ind Lamp
Fuel indicator—type		Gauge
Other		
Ignition switch	Identify positions in order and circuits controlled	1. Accessory on Ignition Off 2. Off - Lock Position Run 3. Ignition On - Ignition Thru Resistor Start 4. Accessory Off - Ignition Direct, Solenoid On
	Provision for illumination	No
	Location	Instrument Panel - Right of Driver
Main lighting switch	Identify positions and lamps controlled	1. Park, Instrument, Tail & License Lights 2. Headlights, Instrument, Tail & License Lights
	Rotate Control	Dims Instrument Lights.
Other light switches	Locations and lamps controlled	
	Foot Dimmer Map & Courtesy Lights	L. H. Toe Pan - Control Hi & Lo Beam Headlights Right of Driver in Instrument Panel Overhangs
Other switches	Locations and devices controlled	
	W/S Wiper	Left of Driver on Instrument Panel
	Heater	Right of Driver on Instrument Panel
	Power Top	Right of Driver in Instrument Panel Overhang
	Electric Antenna	" " " " "
Windshield wiper	Make	Delco
	Type	Electric 1 Speed
	Vacuum booster provision	
	Washer provision	None
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	5.2 5.7

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ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-3400 S, dual headlight 2-4001, 2-4002.

Headlamps & arrangement	Dual Headlights 2-L4001 & 2-L 4002
Headlamp beam indicator	1-194
Parking	2-1157
Tail	4-1157 A
Stop	Same as A
Direction signal	Front 2-1157 A
	Rear 2-1157
	Indicator 2-194
License Plate	1-97
Oil pressure indicator	1-194
Charge indicator	1-194
Instrument	2-194
Clock	1-1893 *
Radio	1-1893 *

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

Ignition lock	1-1445
Back up	2-1156 *
Dome	1-1004
Glove compartment	1-1895 *
Prkg. brake signal	1-194
Luggage compartment	1-631 *
Underhood	1-631 *
Courtesy	2-90 *
Map	1-90 *
Gas Gauge	2-194
Temp. Hot	1-194
Temp. Cold	1-194
Heater Cont.	1-1895
Ash Tray	2-1445 *

* Optional

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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 lamp SFE-10 (a), Direction indicator same as (a).

Headlamp	SFE-9 (A)
Headlamp beam indicator	Same as (A)
Parking lamp	Same as (A)
Tail lamp	SFE-9 (B)
Stop lamp	SFE-20
Direction indicator	Same as (A)
License plate lamp	Same as (A)
Instrument lamp	Same as (A)
Ignition lamp	Same as (A)
Back up lamp	Same as (A)
Dome lamp	SFE - 20 (D)
Clock	Same as (D)
Clock lamp	Same as (A)
Radio	SFE-9
Glove compartment lamp	SFE-9 (E)
	Same as (E)
	Same as (D)
	SFE-20
	AGL-25 (F)
	Same as (F)
	SFE-20
	SFE-20 (G)
	Same as (G)
	AGC-25

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	19.9	
		Highest	28.8	
	Stop		28.8 Upper	19.9 Lower
	Backup		15.5	
	License, rear		21.3	
	Directional	Front	18.0	
		Rear	28.8 Upper	19.9 Lower
	Headlamp	Inside	25.8	
		Outside*	25.8	
Distance from C/L of car to center of bulb	Tail	Inside	32.2	
		Outside	-	
	Stop		32.2	
	Backup		12.9	
	License, rear		0.0	
	Directional	Front	14.4	
		Rear	32.2	
	Headlamp	Inside	24.2	
		Outside*	31.8	

* If single headlamps are used enter here.

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DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Own, Single Plate	
Type pressure plate springs	Flat	
Effective plate pressure (lb.)	2050	
No. of clutch driven discs	1	
Clutch facing	Material	Woven Asbestos
	Outside & inside dia.	10.4 x 6.5
	Total eff. area (sq.in.)	103.4
	Thickness	.135
	Engagement cushioning method	Flat Springs
Release bearing	Type & method of lubrication	Ball Permanent
Torsional damping	Methods: springs, friction material	Coil Springs - Steel

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard
Manual with overdrive (std. or opt.)	N. A.
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

		Standard	Optional
Number of forward speeds		3	4
Transmission ratios	In first	2.58	2.56
	In second	1.48	1.91
	In third	1	1.48
	In fourth	-	1
	In reverse	2.58	2.64
Synchronous meshing, specify gears		2 & 3	1, 2, 3 & 4
Shift lever location		Steering Column	Floor
Lubricant	Capacity (pt.)	2	2.25
	Type recommended	Multi-Purpose	Multi-Purpose
	SAE viscosity number	80 or 90	80 or 90
	Summer	80	80
	Winter	80	80
	Extreme cold	80	80

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DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		
	Manual lockout (yes, no)		
	Downshift accelerator control (yes, no)		
	Minimum cut-in speed		
	Gear ratio		NOT
Lu- bri- cant	Capacity (pt.) (Overdrive only)		
	Separate filler (yes, no)		
	Type recommended		AVAILABLE
	SAE vis- cosity number	Summer	
		Winter	
		Ext. cold	

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Jetaway				
Type describe		2 Speed With Variable Vane Converter				
Method of Selection (Lever, Push Button or other)		Lever- Column Mounted				
Selector Pattern		P	R	N	D	L
		Park	Reverse	Neutral	Drive	Low
List gear ratios Selector Pattern and indicate which are used in each selector position		DRIVE		LOW	REVERSE	
1 st.		1.76		1.76	1.76	
2 nd.		Direct		----	-----	
Max. upshift speeds—drive range		65				
Max. kickdown speeds—drive range		60				
Torque converter	Number of elements	3				
	Max. ratio at stall	2.45 Low 1.80 High				
	Type of cooling (air, water)	Water				
Lubricant	Capacity—refill (pt.)	19 Dry 5 Refill				
	Type recommended	Type A Automatic Trans. Fluid AO-ATF-Suffix A				
Special transmission features		Variable Vane Control To Increase Converter Torque in 10-60 MPH Range To Provide Added Performance.				

DRIVE UNITS—PROPELLER SHAFT

Number used		One	
Type (exposed, torque tube)		Exposed	
Outer diameter x length* x wall thickness	Manual transmission		3.25 x 59.50 x .065
	Overdrive transmission		N. A.
	Automatic transmission		3.25 x 59.50 x .065

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

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DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		None
Universal joints	Make		Saginaw Steering & Dana
	Number used		2
	Type (ball and trunnion, cross, other)		Cross
	Bearing	Type (plain, anti-friction)	Anti - Friction
		Lubric. (fitting, prepack)	Prepack
Drive taken through (torque tube or arms, springs)			Arms
Torque taken through (torque tube or arms, springs)			Arms

DRIVE UNITS—REAR AXLE

Description (see instructions)		Spicer Type - Hypoid - Semi-Floating	
Limited Slip differential, type		Cone Clutch	
Drive Pinion Offset		1.50	
No. of differential pinions		2	
Gear ratios (Std. equip.)	Manual transmission	3.23:1	
	Overdrive transmission	N. A.	
	Automatic transmission	3.08:1	
Ring gear O.D. (std. ratio)		8.12	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		Coll. Spacer	
Wheel bearing type		Ball	
Lubricant	Capacity (pt.)		2.75
	Type recommended		Multi - Purpose Mil - L - 2105 B
	SAE vis- cosity number	Summer	90
		Winter	90
		Extreme cold	90

REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

Axle ratio		3.23 3.08		
No. of teeth	Pinion	13	13	12
	Ring gear	42	40	37

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DRIVE UNITS—WHEELS

Type & material		Welded
Rim (size and flange type)	Std.	14 x 6 JK
	Opt.	Same
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4 3/4"
	Number and size	5 x 7/16

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	7.75 x 14
	Type - Nylon, etc.	Rayon
Rev./mile at 50 mph.		778
Inflation press.(cold)	Front	24
	Rear	24
Optional tires - size and ply		8.25 x 14

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)			Duo Servo
Self adjusting (std., opt., N.A.)			Self Adjusting Standard
Hydraulic system type (single, dual, etc.)			Single
Power brake make & type (remote, integral, etc.)			Integral (Moraine & Bendix)
Effective area (sq. in.)*			155.6
Gross lining area (sq. in.)**			156.3
Swept drum area (sq. in.)***			267.8
Percent brake effectiveness—front			59.6%
Drum	Diameter	Front	9 1/2 inches
		Rear	9 1/2 inches
	Type and material		Cooling Flanged Centrifugal Cast Front-Composit on Rears
Wheel cyl- inder bore	Front		1 1/16 inches
	Rear		15/16 inches
Master cylinder bore			1.0 inches Manual 7/8 inches Power
Available pedal travel			5.50 Manual 3.82 Power
Line pressure at 100 lb. pedal load			750 P.S.I. Manual 730 P.S.I. @ 40# Pedal Load
Shoe clearance adjustment			.015 inches

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

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DRIVE UNITS—WHEELS

Type & material	
Rim (size and flange type)	Std.
	Opt.
Attachment	Type (bolt or stud)
	Circle diameter
	Number and size

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply
	Type - Nylon, etc.
Rev./mile at 50 mph.	
Inflation press.(cold)	Front
	Rear
Optional tires - size and ply	
Heavy Duty Metallic Lining Option	

BRAKES—SERVICE

Type (duo-servo, disc, balanced, etc.)	Duo Servo	
Self adjusting (std., opt., N.A.)	Self Adjusting Standard	
Hydraulic system type (single, dual, etc.)	Single	
Power brake make & type (remote, integral, etc.)	Integral (Moraine & Bendix)	
Effective area (sq. in.)*	118.0	
Gross lining area (sq. in.)**	118.0	
Swept drum area (sq. in.)***	267.8	
Percent brake effectiveness—front	59.6%	
Drum	Diameter	Front
		9 1/2 inches
		Rear
		9 1/2 inches
	Type and material	Cooling Flanged Centrifugal Cast Front-Composite Rears
Wheel cyl-inder bore	Front	1 1/16 inches
	Rear	15/16 inches
Master cylinder bore	1.0 inches	
Available pedal travel	5.50 Manual	3.82 Power
Brake pressure at 100 lb. pedal load	750 P.S.I. Manual	560 @ 40# Pedal
Shoe clearance adjustment	.015 inches	

* Excludes rivet holes, grooves, chamfers, etc.

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

*** Total swept areas for four brakes

Widest lining contact width for each brake x its drum circumference.

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BRAKES—SERVICE (cont.)

Brake lining	Bonded or riveted		Riveted	
	Front Shoe	Material	Marshall H 3144 Primary	
		Size (length x width x thickness)	Front wheel	7.48 x 2.50 x .190
			Rear wheel	7.48 x 2.00 x .190
		Segments per shoe	One	
	Rear Shoe	Material	Marshall H 3152 F Secondary	
		Size (length x width x thickness)	Front wheel	9.88 x 2.50 x .270
			Rear wheel	9.88 x 2.00 x .270
		Segments per shoe	One	

BRAKES—PARKING

Type of control	Suspended Pedal	
Location of control	Left-Drivers Compartment	
Operates on	Rear Brakes	
If separate from service brakes	Type (internal or external)	Not Separate
	Drum diameter	Not Separate
	Lining size (length x width x thickness)	Not Separate
		Not Separate

FRAME or UNITIZED CONSTRUCTION

Type and description

Channel Section Side Rails

4 Cross Bars (Guard Beam Frame)

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling	None	
Provision for brake dip control	Counter Dive Design of Suspension	
Provision for acc. squat control	Rear Suspension Upper Control Arms	
Special provisions for car jacking	None	
Shock absorber front & rear	Type	Direct Acting
	Make	Delco
	Piston dia.	1 inch
Other special features	None	

SUSPENSION—FRONT

Type and description

Independent Coil Spring

* Air Suspension:
 Air spring type
 Compressor data
 type
 make
 drive ratio

Normal operating pressures
 spring rates
 leveling data

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BRAKES—SERVICE (cont.) Heavy Duty Metallic Lining Option (Cont'd)

Brake lining	Bonded or riveted		Welded		
	Front Shoe	Material	Delco Moraine 70.5		
		Size (length x width x thickness)	Front wheel	6 Segments 1.64 x 1.25 x .175	
			Rear wheel	6 Segments 1.64 x 1.00 x .175	
		Segments per shoe		6	
	Rear Shoe	Material	Delco Moraine 703		
		Size (length x width x thickness)	Front wheel	10 Segments 1.64 x 1.25 x .285	
			Rear wheel	10 Segments 1.64 x 1.00 x .285	
		Segments per shoe		10	

BRAKES—PARKING

Type of control		
Location of control		
Operates on		
If separate from service brakes	Type (internal or external)	
	Drum diameter	
	Lining size (length x width x thickness)	

FRAME or UNITIZED CONSTRUCTION

Type and description

SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)*

Provision for car leveling		
Provision for brake dip control		
Provision for acc. squat control		
Special provisions for car working		
Special provisions for car working	Type	
	Make	
	Piston dia.	
Other special features		

SUSPENSION—FRONT

Type and description	
----------------------	--

(Continued)

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

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SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	SAE .9260
	Size (coil design height & I.D.; bar length x dia.)	11" Design Height - 4.05 I. D. 160" Long .670 Diameter
	Spring rate (lb. per in.)	290
	Rate at wheel (lb. per in.)	86
	Design load (lb. @ design height)	2175 @ 11"
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	SAE # 1070 1.00 Dia.

STEERING

Manual (std., opt., NA)				Standard	
Power (std., opt., NA)				Optional	
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt Type	
		(std., opt., NA)		Optional	
Wheel diameter		Manual		16"	
		Power		16"	
Turning diameter	Outside front	Wall to wall (l. & r.)		46.4	
		Curb to curb (l. & r.)		43.6	
	Inside rear	Wall to wall (l. & r.)		26.0	
		Curb to curb (l. & r.)		26.7	
Outside wheel angle with inside wheel at 20°				Manual 18.2°	
				Power 17.6°	
Manual	Gear	Type		Ball Nut	
		Make		Saginaw Steering	
		Ratios	Gear	24:1	
			Overall	33.38:1	
	No. wheel turns		5.5 Lock to Lock		
Power	Type (coaxial, linkage, etc.)		Gear Integral		
	Make		Saginaw Steering		
	Gear	Type		Ball Nut	
		Ratios	Gear	17.5:1	
			Overall	21.74:1	
	Pump driven by		Belt From Crank		
	Number wheel turns		3.5 Lock to Lock		
	Linkage	Type		Forged	
Location (front or rear of wheels, other)		Rear			
Drag link (trans. or longit.)		Transverse			
Tie rods (one or two)		2			

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STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		10 ° at 1 ° Camber
	Bearings (type)	Upper	Ball Joint
		Lower	Ball Joint
		Thrust	Ball Joint
Wheel alignment (range and preferred)	Caster (deg.)		Range - 1/2 ° to - 1 1/2 °
	Camber (deg.)		Range - 1/4 to + 1/2
	Toe-in (outside tread-inches)		1/8 to 1/4
	Steering spindle & joint type		Ball Joint
Wheel spindle	Diameter	Inner bearing	1.2498 - 1.2493
		Outer bearing	.7498 - .7493
	Thread size		3/4 - 20
	Bearing type		Taper Roller

SUSPENSION—REAR

Type and description			4 Link Coil Spring			
Drive and torq. taken through (see page 17)			Arms			
Spring	Type		Coil			
	Material		SAE 5160 or 9260			
	Size (length x width, coil design height and I.D.; bar length & dia.)		9.00 Design Height - 5.50 I. D. 139" Long .570 Diameter			
	Spring rate (lb. per in.)		100			
	Rate at wheel (lb. per in.)		105.6			
	Design load (lb. at design height)		1020 @ 9"			
	Mounting insulation type		Rubber			
	If leaf	No. of leaves		None		
		Inserts	Type and size		None	
			Material		None	
Shackle (comp. or tens.)		None				
Stabilizer	Type (link, linkless, frameless)		None			
	Material		None			
Track bar type			None			

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BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	Front
Type of finish (lacquer, enamel, other)		Lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle (Serial) No. Location		L. H. Pillar Post - Front
Engine No. Location		None
Theft protection - type		Key Type Starting
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	None
Seat cushion type	Front	Zig Zag
	Rear	Zig Zag
	3rd seat	-----
Seat back type	Front	Zig Zag
	Rear	Zig Zag
	3rd seat	-----
Windshield glass type (i.e., single curved - laminated plate)		Compound Curved
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Curved One Piece
Side glass type (i.e., curved - tempered plate)		Curved
Side glass exposed surface area		1513.6
Windshield glass exposed surface area		1532.2
Backlight glass exposed surface area		1248.4
Total glass exposed surface area		4294.2

BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	Optional
	Vent Windows	Optional
	Backlight or tailgate	N. A.
Power seats (specify type as well as availability)	Electric 4 Way Electric 6 Way	Optional
Reclining front seat back		N. A.
Front seat headrest		N. A.
Radios (specify type as well as availability)		Deluxe, Super Deluxe and Am-Fm Optional
Rear seat speaker		Optional
Power Antenna		Optional
Clock		Optional
Air Conditioner (specify type and availability)		Optional

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WEIGHTS

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