

Automobile Manufacturers Association

Consolidated Specification Questionnaire

For 1940 Models

Mechanical Details

Make of Car Oldsmobile Model Series "70"
 Name of Maker Olds Motor Works Address Lansing, Michigan

Date..October.16.,.1939

NOTE: (1) Subject to Correction; It is understood that the following data is subject to correction in the case of cars not in production at the time this compilation was requested.
(2) Only standard equipment included in Factory Delivered price should be included in this questionnaire.

PERFORMANCE

Car Weight per cubic inch piston displacement 16.13
 Horsepower per cubic inch 413
 Car Weight per horsepower 39.05
 (A) Engine Revolutions per mile 3139
 (B) Piston Displacement per mile = $A \times \text{Piston displacement}$ 7220
 Piston Displacement per mile per pound = $\frac{B}{\text{Car Weight}}$ 1.946
 Car Weight per square inch of brake lining area 25.07
 Ratio of car weight to weight of four tires without tubes 42.16:1

(NOTE: Car Weight, for performance figure, is *shipping weight for five-passenger, four-door sedan, plus 500 pounds for liquids and passengers.*)

ENGINE

No. of cylinders 6
 Valve arrangement L-Head
 Bore 3.7/16" Stroke 4.1/8"
 Engine—make and model Own "70"
 Cylinder arrangement (angle of Vee in degrees) In Line
 Cylinder head, cast iron or aluminum Cast Iron
 Piston displacement 2297 Cu. In.
 Taxable horsepower 28.4 H.P.
 Maximum brake horsepower at R.P.M. 95 @ 3400
 Maximum torque (lbs.-ft.) at R.P.M. 180 @ 1400
 Compression Ratio—
 Standard 6.1:1 Optional 5.61:1
 Standard compression pressure—pounds—
 At cranking speed
 At what R.P.M. 146

PISTONS and RINGS

Piston
 Make Own
 Material Aluminum

PISTONS and RINGS (cont'd)

Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, etc. Slot Oxide Fin.
 Weight—ounces—without rings, pin or bushing 17.75
 Length 4.1/32"
 Clearance—
 Top land 0.026" Nominal to
 Skirt 0.013" to 0.018"
 Piston ring groove depth—
 Oil 3/16" Compression 11/64"
 No. of oil rings used per piston 2
 Width of oil rings 3/16"
 Width of oil ring gap 0.007" to 0.015"
 No. of compression rings used per piston 2
 Width of compression rings 3/32"
 Width of compression ring gap 0.008" to 0.018"
 Maximum wall thickness of oil rings 0.150"
 Maximum wall thickness of compression rings 0.172"

RODS and PINS

Wristpin—
 Length 3.5/32" Diameter 55/64"
 Locked in rod, piston or floating Locked in piston
 Clearance In Rod 0.003" to 0.006"
 Hole finish—reamed, diamond bored, broached or ground Diam. Bore
 Connecting rod—
 Length—center to center 7-13116
 Material G.M.C. #X-1335 A Steel
 Weight—ounces 29.6 oz.
 Crankpin journal—
 Diameter 2.1/8" Length 1.3/8"
 Lower bearing—
 Material Steel Backed Babbit Lined
 Make Own
 Clearance 0.005" to 0.0025"
 End play 0.0055" to 0.0105"
 Shim—solid, laminated or none None
 Spun or separate Separate
 Rods and pistons removed from above or below Above

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CRANKSHAFT

Vibration dampener used—yes or no Yes
 Type Spring
 Crankshaft counterweights used, number of 7
 Which main bearing takes thrust Front
 Crankshaft end play004ⁿ008ⁿ
 Main bearing—
 Type: Cast-in or Slip-in Yes
 If slip-in: Removable from below Yes
 Necessary to align ream No
 Material Steel Backed Babbitt Lined
 Clearance0005ⁿ003ⁿ
 Shim—solid, laminated or none None
 Main bearing journal diameter x length—
 No. 1 2 31/64ⁿ x 1 19/32ⁿ
 No. 2 2 35/64ⁿ x 1 1/2ⁿ
 No. 3 2 43/64ⁿ x 1 1/2ⁿ
 No. 4 2 11/16ⁿ x 1 11/16ⁿ
 No. 5
 No. 6
 No. 7
 No. 8
 No. 9
 Crankshaft gear or sprocket—
 Make Whitney
 Material G.M.C. #X-1315 Steel

CAMSHAFT

Camshaft gear or sprocket—
 Make Whitney
 Material G.M.C. #M-12 Cast Iron
 Timing chain—
 Make Various
 Number of links 47
 Width 1ⁿ
 Pitch 500ⁿ
 Adjustment—none, automatic or manual None

VALVES

INTAKE VALVE—

Make Thompson
 Material G.M.C. #3140 Steel
 Overall length 5 51/64ⁿ
 Actual overall diameter of head 1 9/16ⁿ
 Angle of seat 30ⁿ
 Is valve seat an insert? No Material
 Stem diameter 11/32ⁿ
 Stem to guide clearance00175ⁿ to00375ⁿ

VALVES (cont'd)

Lift 300ⁿ
 Spring pressure and length—
 Outer—
 With valve closed—lb. 50 1/2 ins. 2 1/4ⁿ
 With valve open—lb. 95 1/2 ins. 1 15/16ⁿ
 Length out of engine—ins. 2 19/32ⁿ
 Inner—
 With valve closed—lb. ins.
 With valve open—lb. ins.
 Length out of engine—ins.

EXHAUST VALVE—

Make Thompson
 Material Silchrome XCR
 Overall length 5 51/64ⁿ
 Actual overall diameter of head 1 27/64ⁿ
 Angle of seat 45^o
 Is valve seat an insert? No Material
 Stem diameter 11/32ⁿ
 Stem to guide clearance00245ⁿ to00425ⁿ
 Lift 300ⁿ
 Spring pressure and length—
 Outer—
 With valve closed—lb. 50 1/2 ins. 2 1/4ⁿ
 With valve open—lb. 95 1/2 ins. 1 15/16ⁿ
 Length out of engine—ins. 2 19/32ⁿ
 Inner—
 With valve closed—lb. ins.
 With valve open—lb. ins.
 Length out of engine—ins.

Operating tappet clearance (hot or cold)—intake008ⁿ
 Tappet clearance for valve timing—intake0124ⁿ
 Operating tappet clearance (hot or cold)—exhaust011ⁿ
 Tappet clearance for valve timing—exhaust0155ⁿ
 Hydraulic valve lifters—yes or no NO
 Valve timing—
 Intake opens 5 degrees BU DC piston travel B.T.C.
 Intake closes 45 " ALDC " " A.B.C.
 Exhaust opens 45 " BLDC " " B.B.C.
 Exhaust closes 5 " AU DC " " A.T.C.
 Valve Timing Marks on Flywheel, Vibration Damper, None Flywheel

LUBRICATION

Lubricating system type—pressure or splash Pressure
 Oil pressure to—
 Main bearings—yes or no Yes
 Connecting rods—yes or no Yes

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LUBRICATION (cont'd)

Wristpins—yes or no **Yes**
 Camshaft bearings—yes or no **Yes**
 Timing gear or chain lubrication—positive or splash **Positive**
 Oil pump type **Gear**
 Oil grade recommended—SAE viscosity and temperature range—
 **See Lubrication Chart**

 Normal oil pressure—lbs. at M.P.H. **32#**
 Pressure at which relief valve opens **27#**
 Capacity of oil reservoir—quarts, dry **5** refill **5**
 Oil pressure gauge make **A.C.**
 Oil reservoir level gauge type **Indicator Stick**
 External oil filter make **None**
 Oil cooler make **None**
 Chassis lubrication—
 Type **High Pressure**
 Make **Various**

FUEL

Gasoline tank—capacity **17 Gallons**
 Fuel feed—
 Type—vacuum tank, electric pump, gravity vacuum
 pump or camshaft pump **Camshaft Pump**
 Make **A.C.** Model **G-40**
 Carburetor—
 Make **Carter** Model **WA - 1**
 Size **1 17/16"**
 Type—
 Up or down draft **Down** Single or dual **Single**
 Intake manifold heat control—manual, automatic or none **Automatic**
 Automatic choke, make **Carter** Model
 Air cleaner—intake silencer make **A.C.**
 Muffler make **Various**

COOLING

Water pump—
 Type **Sealed Centrifugal**
 Drive **V-Belt**
 Is pump equipped with packing nut **No**
 Water circulation thermostat make **Harrison**
 By-pass for recirculation—yes or no **Yes**
 Radiator shutter—Make **None**
 Radiator core—

COOLING (cont'd)

Type **Vee Cell**
 Make **Harrison**
 Cooling system—capacity, quarts **17 3/4**
 Water jackets full length of cylinders—yes or no **Yes**
 Lower radiator hose—
 Inside diameter **1 3/4"** Length **Approx. 12"**
 Upper radiator hose—
 Inside diameter **1 1/2"** Length **8"**
 Fan belt—
 Make **Various**
 Number used **1**
 Angle of use **32°**
 Length, ⁱⁿ side **44 11/16"** Width, maximum **13/16"**
 Fan—
 Make **Own**

IGNITION

Ignition unit—
 Make **Delco Remy** Model
 Manual or octane selector, degrees advance **None retard**
 Maximum automatic advance, degrees **25° Max**
 Vacuum advance, degrees **34° Max**
 Breaker gap **0.020"**
 Cam angle
 Timing—Breaker points open **0** degrees crankshaft travel
 or **T.D.C.** inches piston travel (after or before) top center
 with octane selector in the **Normal** position
 Timing marks on flywheel, vibration dampener or none **Flywheel**
 Firing order **1-5-3-6-2-4**
 Amperage draw of ignition coil—
 With engine stopped **4.5**
 With engine idling **2.0**
 Ignition lock make **Delco Remy**
 Spark plug—
 Thread—10 m.m., 14 m.m. or 18 m.m. **14 m.m.**
 Make **A.C.** Model **45**
 Gap **0.040"**
 Ignition cable make **G.M.**

BATTERY

Make **Delco Remy**
 Capacity—ampere hours **100** @ 20 hour rate
 Number of plates per cell **15**
 Bench charging rate—
 Start **12.5 Amps** Finish **4.5 Amps**
 Which battery terminal is grounded **Negative**
 Location of battery **Under Hood**

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STARTING MOTOR

Make .. Delco Remy Model
 Normal engine cranking speed .. Summer .. 100 R.P.M.
 Lock test—
 Amperage draw 4.75
 Volts 3.0
 Torque in pounds feet 12
 No load test—
 Amperage draw 65
 Volts 5 R.P.M. 5000
 Type of drive—Bendix or sliding gear with overrunning clutch Manual
 Starter operation—check items required to start engine Gear.
 1. Turn on ignition X
 2. Depress starter pedal X
 3. Depress accelerator pedal
 4. Depress clutch pedal X
 5. Operate button on dash
 6. Pull out throttle
 Starting motor pinion meshes front or rear Front
 No. of teeth in flywheel 145
 Face width of flywheel teeth 1/2"
 Flywheel teeth integral or steel ring Steel Ring
 Gear ratio between starter armature and flywheel 16.11:1

GENERATOR

Make .. Delco Remy Model
 Field fuse capacity None
 Type—third brush, shunt, etc. Shunt
 Current regulator, voltage regulator or current and
 voltage control unit Voltage & Current Reg.
 Cutout relay—
 Voltage at closing 6.3 - 6.9
 Armature speed at closing 600
 Car speed at closing
 Amperes to open 0-3.0 0-3.0
 Maximum charging rate cold—
 Temperature
 Amperes 33
 Voltage 7.85
 R.P.M.
 Maximum charging rate hot—
 Temperature
 Amperes 33
 Voltage 7.6
 R.P.M.
 Car speed for maximum charging rate 20 up
 Ammeter or charge indicator make A. G.

LAMPS

Lighting switch make Delco Remy
 Are tail and dash lights in series. No
 Headlight—
 Make Guide
 Location—in fender, in cutwalk, on radiator shell. Fender
 Candlepower of bulb 45 Watt
 Type of bulb Sealed Beam
 Parking or fender light make Guide
 Tail and stop light make Guide
 Horn—
 Type—vibrator or motor. Vibrator. No. used. 2
 Make Delco Remy
 Amperage draw of each. 12 - Dual

CLUTCH

Make Borg & Beck
 Semi-centrifugal No
 Power operated unit—make None
 Vibration insulation or neutralizer—fabric,
 rubber blocks or springs Springs
 No. of clutch driving discs 1
 No. of clutch driven discs 1
 Clutch facing—
 Material—woolen or moulded asbestos, cork Woven-Moulded
 Inside diameter 6"
 Outside diameter 9 1/4"
 Thickness 125"
 No. required 2

TRANSMISSION

Transmission—
 Make Own Model G-40
 No. of forward speeds 3
 Shift lever location—dash, steering column, floor Steering Col.
 If steering column gearshift—
 Are gears meshed by rod linkage or cable. Rod
 Are gears selected by rod linkage or cable. Rod
 Automatic or auxiliary shifting mechanism—
 Make None
 Type—centrifugal, vacuum, electric or hydraulic
 Automatic overdrive—
 Make None
 Oil capacity—pints
 Oil grade recommended—S.A.E. viscosity
 Summer Winter
 Gear ratio in high—standard 5-passenger
 4-door sedan

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TRANSMISSION (Cont'd)

Transmission ratio—
 In overdrive In second 1.66:1
 In low 2.667:1 In reverse 3.02:1
 Constant mesh gears on second. Yes
 Spur or helical gears—
 For second speed Helical
 For first speed Helical
 For reverse speed Helical
 Synchronous meshing second and third gears. Yes
 Transmission oil—
 Capacity—pints 2
 Grade recommended—S.A.E. viscosity
 Summer 80 Winter 80
 Universal joints—
 Make Mechanics
 Number used 2
 Type—fabric, rubber, metal with anti-friction
 bearing or metal with plain bearing Roller Bearing
 Lubricated with Sealed
 Drive taken through springs, torque arm, torque tube or
 radius rods Stabilizing Arms
 Torque taken through springs, torque arm, torque
 tube or radius rods Stabilizing Arms

REAR AXLE

Rear axle—
 Make Own Model Series "70"
 Type—semi, full or three-quarter floating Semi-Floating
 Minimum road-clearance under center of rear
 axle—tires inflated 8 1/8"
 Rear axle oil—
 Capacity—pints 2 1/2
 Grade and type recommended—S.A.E. viscosity
 Summer See Lub. Chart Winter
 Type of gearing—spiral bevel, worm, hypoid Hypoid
 Gear ratio—standard 5-passenger 4-door sedan 4.3:1
 Optional gear ratios 4.555:1
 Number of teeth—
 In ring gear 43 In pinion 10
 How is pinion adjusted—screw or shims Shims
 How is pinion bearing adjusted—screw or shims None
 Are pinion bearings in sleeve None
 Backlash between pinion and ring gear .004" to .006"
 Are pinion bearings preloaded Yes
 How is pinion bearing preload obtained In Manufacture
 Are differential bearings preloaded Yes
 How is differential bearing preload obtained Adjusting Nut

TIRES and WHEELS

Tires—
 Make Various
 Size 16" x 6.50" No. of plies 4
 Inflation pressure—Front 25 Min. Rear 25 Min.
 Rim—Diameter 16" Width 4.50E
 Axle clearance for jack—tires inflated
 Front Rear
 Wheels—
 Type Steel
 Make Various

SPRINGS

FRONT SPRING—

Independent or conventional suspension Independent
 Type—coil, semi-elliptic or transverse Coil
 Make Own
 Material Silico. + Manganese Steel
 Sway eliminators—torsional, lateral, none Torsional
 If leaf—
 Length Width
 Number of leaves—5-passenger, 4-door sedan
 Are radius rods used on axle
 Shackled front or rear
 Anti-shock shackle location
 If coil—
 Free length 14 13/32"
 Length under curb weight
 Rate for above 290 pounds per inch

REAR SPRING—

Independent or conventional suspension Conventional
 Type—coil, semi-elliptic or transverse Coil
 Make Own
 Material Silico. + Manganese Steel
 Sway eliminators—torsional, lateral, none Lateral
 If leaf—
 Length Width
 Number of leaves—5-passenger, 4-door sedan
 Spring leaves lubricated with
 Spring cover make
 Spring shackles—
 Front—Type Make
 Rear—Type Make
 Spring bolts—
 Type
 If coil—
 Free length 21 23/32"
 Length under curb weight 9 1/8"

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SPRINGS (cont'd)

Rate for above **97** pounds per inch
 Shock absorbers—
 Make **Delco Hyd.**
 Type—*one way, two way* **Two Way**
 Fluid capacity—front rear

STEERING

Steering gear—
 Type **Worm & Roller**
 Make **Saginaw** Model
 Ratio **12:1**
 Lubricant recommended **See Lub. Chart**
 Steering wheel diameter **18"**
 Drag link longitudinal or transverse **Transverse**
 Tie rod—*one or two* **2**
 Is intermediate steering arm used **No**
 Number of turns of steering wheel for full left
 to right swing of wheels **2**
 Car turning radius—*feet—right, left or both* **18' 7"**
 Caster—*degrees* **0°** *to* **-3/4°**
 Camber—*degrees or -1/4" inches* **-1/4"** *to* **+1/2"**
 Toe-in—*inches* **1/16"** *to* **1/8"**
 Crosswise inclination of kingpin—*degrees* **4° 51' 10"**
 Front axle—
 Make **None** Model
 Section type—*I-beams, tubular or none* **None**
 End type—*Elliott or reverse Elliott* **Reverse Elliott**
 Minimum road clearance—*tires inflated* **7.13/16"**

BRAKES

Foot brakes—
 Make **Various**
 Type of mechanism, *hydraulic or mechanical* **Hydraulic**
 If vacuum booster is standard, state make
 Brake lining moulded, semi-moulded or woven **Moulded**
 Drum—

BRAKES (cont'd)

Material **Cast Iron** Diameter **11"**
 Lining—
 Length per wheel **21.5/16"**
 Width **1 3/4"** Thickness
 Clearance—*for* **.010"** *heel* **.010"**
 Total foot braking area **148 Sq. In.**
 Percent braking power on rear wheels **45%**
 Hand brake location, *on floor, under cowl at right, under cowl at left*
 Hand lever operates on—*transmission, separate rear brakes, rear service brakes or all four service brakes* **Rear Service Brakes**
 Hand brake—
 Internal or external **Internal**
 Drum diameter **11"**
 Lining—
 Length per drum **21.5/16"**
 Width **1 3/4"** Thickness **3/16"**
 Clearance **.010"**

FRAME

Frame—
 Make **Various**
 Type **Channel X-Member**
 Depth—*maximum* **6"**
 Thickness—*maximum* **7/64"**
 Flange width—*maximum* **1 3/4"**
 Wheelbase **120"**
 Tread—
 Front **58"**
 Rear **52"**
 Weight of standard 5-passenger four-door sedan—
 Shipping **Not Available**
 Curb
 Per cent on front axle
 Price of standard 5-passenger, 4-door sedan. **Not Available**
 First serial number, this series. **355001**
 Serial number location **On L.H. Frame Side**
 Member Under Hood
 Overall length of car—
 With bumpers and bumper guards **199 3/4"**

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NOTE—In giving bearing dimensions, kindly use the following order: inside diameter, outside diameter and width. Where cup and cone bearings are used, give both cup and cone numbers.

BEARINGS

Water pump bearing—
 Make or type N.D. D.R. Ball
 Size or number 954210

Fan bearing—
 Make or type None
 Size or number

Starting motor commutator end bearing—
 Make or type Plain
 Size or number 9/16" x 15/16"

Starting motor drive end bearing—
 Make or type None
 Size or number

Starting motor outboard bearing—
 Make or type Bronze Graphite
 Size or number 1/2" x 27/32"

Generator commutator end bearing—
 Make or type Plain
 Size or number

Generator drive end bearing—
 Make or type Ball Bearing
 Size or number

Super-charger—
 Make or type None
 Size or number

Clutch throwout bearing—
 Make or type Parm. Lub. Graphite
 Size or number 411538

Clutch pilot bearing—
 Make or type
 Size or number

Transmission main shaft pilot bearing—
 Make or type Roller
 Size or number 1294780

Transmission reverse idler bearing—
 Make or type Bronze Bushing
 Size or number 1307898

Transmission main shaft front bearing—
 Make or type Roller
 Size or number 1294780

Transmission main shaft rear bearing—
 Make or type N.D. Ball
 Size or number 907506

Transmission countershaft front bearing—
 Make or type Roller
 Size or number 1302154

Transmission countershaft rear bearing—
 Make or type Roller
 Size or number 1302154

Overdrive shaft rear bearing—
 Make or type None
 Size or number

BEARINGS (cont'd)

Overdrive shaft pilot bearing—
 Make or type None
 Size or number

Main shaft extension bearing—
 Make or type Bushing
 Size or number 1313790

Rear axle pinion shaft front bearing—
 Make or type N.D. Double Row Ball
 Size or number 905306

Rear axle pinion shaft rear bearing—
 Make or type Hyatt Roller
 Size or number 107391

Differential right bearing—
 Make or type Hyatt Barrel Roller
 Size or number 179243

Differential left bearing—
 Make or type Hyatt Barrel Roller
 Size or number 179243

Rear wheel inner bearing—
 Make or type None
 Size or number

Rear wheel outer bearing—
 Make or type N.D. Ball
 Size or number 954172

Front wheel inner bearing—
 Make or type N.D. Ball
 Size or number

Front wheel outer bearing—
 Make or type N.D. Ball
 Size or number

Kingpin upper bearing—
 Make or type Steel Backed 4035 M. Bronze
 Size or number 231905

Kingpin lower bearing—
 Make or type Steel Backed 4035 M. Bronze
 Size or number 231905

Kingpin thrust bearing—
 Make or type N.D. Ball
 Size or number 230679

Front spring—Bolt—
 Bushing size None
 Bushing type

Shackles—
 Upper end None
 Lower end None

Rear spring—Bolt—
 Bushing size None
 Bushing type None

Shackles—
 Upper end None
 Lower end None

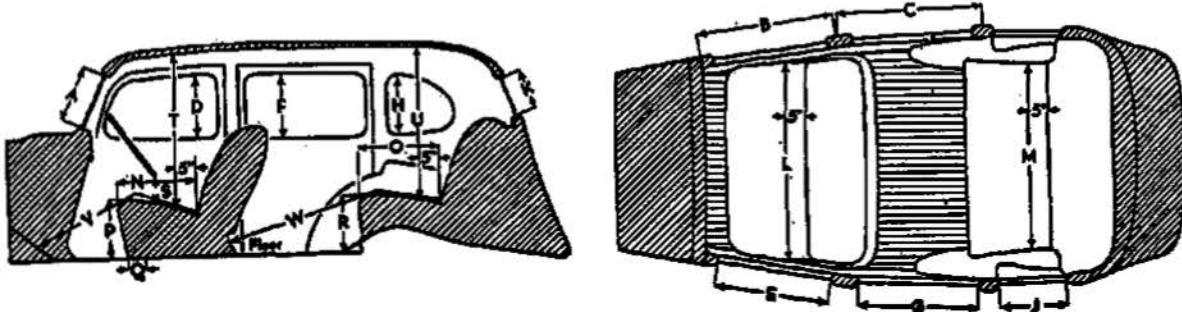
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NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed with its additional price.
 (2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe or Custom.

EQUIPMENT	Models		
	Standard	DeLuxe	Custom
Catalog Designation of Model	Series "70"		
Lacquer make	Various		
Body finish, lacquer or synthetic enamel	Lacquer		
Fender finish, lacquer or synthetic enamel	"		
Hardware make	Terstedt		
Speedometer make	A.C.		
Gasoline gauge make	A.C.		
Thermometer make	A.C.		
Car lock make	Various		
Car lock operates on ignition or ignition and steering	Ignition		
Clock make	None		
Cigar lighter make	"		
Safety glass make	L.O.F.		
Safety glass type, laminated or tempered	Laminated		
In windshield	"		
In side windows	"		
In rear window	Tempered		
Bumper make	Own		
Bumper guard make	None		
Car heater make	None		
No. of tail lights included	2		
No. of visors included	2		
No. of horns included	2		
No. of windshield wipers included	2		
No. of windshield washers included	None		
No. of spare tires included	One		

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BODY DIMENSIONS (Five-Passenger, Four-Door Sedan)



EXTERIOR

Overall height, road to roof with no-load... 5 Pass. Load.....	66. 9/64 ^N
Minimum height of floor in front compartment, no-load... 5 Pass. Load.....	15. 1/32 ^N
Minimum height of floor in rear compartment, no-load... 5 Pass. Load.....	14. 7/16 ^N
Distance between hinge centers, front door.....	20 ^N
Distance between hinge centers, rear door.....	7. 3/4 ^N
Windshield opening height (A).....	15. 3/8 ^N
Windshield opening width, to center strip if divided.....	23. 7/8 ^N
Width of front door, at handle (B).....	35 ^N
Width of rear door, at handle (C).....	29. 1/2 ^N
Height of front door, maximum.....	47 ^N
Height of rear door, maximum.....	47 ^N
Height of window opening in front door, maximum (D).....	13. 3/8 ^N
Width of window opening in front door, maximum (E).....	27. 1/4 ^N
Height of window opening in rear door, maximum (F).....	13. 3/8 ^N
Width of window opening in rear door, maximum (G).....	24. 3/8 ^N
Height of rear quarter window opening, maximum (H).....	12. 1/8 ^N
Width of rear quarter window opening, maximum (J).....	16. 1/2 ^N
Height of rear window opening, maximum (K).....	10. 1/2 ^N
Width of rear window opening, maximum (if divided list each).....	36 ^N

INTERIOR

All interior body dimensions taken with front seat in its rear position

Width of front seat cushion, measured 5 inches from back (L).....	50. 7/8 ^N
Width of rear seat cushion, measured 5 inches from back (M).....	47. 3/8 ^N
Depth of front seat cushion (N).....	18 ^N
Depth of rear seat cushion (O).....	18 ^N
Height of front seat cushion (P).....	14. 1/8 ^N
Front seat horizontal adjustment, inches (Q).....	4. 1/2 ^N
Front seat vertical adjustment, inches.....	23. 32 ^N
Height of rear seat cushion (R).....	14. 3/4 ^N
Vertical distance between steering wheel and seat cushion (S).....	5. 15/16 ^N
Head room at front seat, measured 5 inches from back (T).....	36. 3/4 ^N
Head room at rear seat, measured 5 inches from back (U).....	36. 1/4 ^N
Leg room in front seat, measured from 6 inches up on toe board (V).....	41 ^N
Leg room in rear seat, measured from center of foot rest (W).....	39. 5/8 ^N
Width of left front pillar on diagonal with door closed.....	3. 1/4 ^N

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BODY DETAIL AND EQUIPMENT FORMS

DIRECTIONS

Only standard equipment included in the Factory Delivered price shown in column 3 should be listed on this sheet. Please arrange body types in an ascending price scale with the lowest priced type at the top and the highest priced type at the bottom.

IMPORTANT - To save your time, where an item is common to several types, use arrows to indicate the fact as shown in diagrams.

Standard abbreviations may be used where space limitations make this necessary. Where sub-headings such as those shown in column for Body Make are identified with numerals, these numerals may be used in filling in form.

Diagram showing relationships between Make, Body Model, and Body Make. Columns include Make (Crescent 6-60, Crescent 2-20), Body Model (Roadster, Phaeton, Two-door sedan, Four-door sedan, Coupe, Coupe with rumble, Cabriolet), and Body Make (Fisher, Murray, Fisher, Budd, Fleetwood, LaSalle).

Main specification table with columns: MAKE AND MODEL, BODY TYPE, Factory Delivered Price, Number of Passengers, Wheel-base, Shipping Weight, Seating Arrangement Number, No. of Doors, Body Make, Frame Work, Top Panel, Luggage Compartment, and SPARE WHEEL LOCATION. Contains data for Oldsmobile Series '70' models like Bus. Coupe, Club Coupe, 2-Door Tour Sedan, 4-Door Sedan, and Conv. Coupe.

SEATING ARRANGEMENT DIAGRAM

