

# Automobile Manufacturers Association

## Consolidated Specification Questionnaire

### For 1940 Models

### Mechanical Details

Make of Car ..... Oldsmobile ..... Model ..... Custom 8 Cruiser .....  
 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 ..... 15.69 .....  
 Horsepower per cubic inch ..... 428 .....  
 Car Weight per horsepower ..... 36.65 .....  
 (A) Engine Revolutions per mile ..... 3117 .....  
 (B) Piston Displacement per mile = A x Piston displacement. 8014 .....  
 Piston Displacement per mile per pound =  $\frac{B}{\text{Car Weight}}$  ..... 1.98 .....  
 Car Weight per square inch of brake lining area ..... 23.58 .....  
 Ratio of car weight to weight of four tires without tubes 38.4:1 .....

(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 ..... 8 .....  
 Valve arrangement ..... L Head .....  
 Bore ..... 3-1/4" ..... Stroke ..... 3-7/8" .....  
 Engine—make and model ..... Own L-40 .....  
 Cylinder arrangement (angle of Vee in degrees) ..... In Line .....  
 Cylinder head, cast iron or aluminum ..... Cast iron .....  
 Piston displacement ..... 257.1 Cu. In. ....  
 Taxable horsepower ..... 33.8 H.P. ....  
 Maximum brake horsepower at R.P.M. .... 110 @ 3600 .....  
 Maximum torque (lbs.-ft.) at R.P.M. .... 200 @ 2000 .....  
 Compression Ratio—  
 Standard ..... 6.2:1 ..... Optional ..... 5.8:1 .....  
 Standard compression pressure—pounds—  
 At cranking speed .....  
 At what R.P.M. .... 152 @ 1000 .....

#### 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. T-Slot, Oxide Fin.  
 Weight—ounces—without rings, pin or bushing ..... 16 .....  
 Length ..... 3-15/16" .....  
 Clearance—  
 Top Land Land ..... .026" to Nominal .....  
 Skirt ..... .0013" to .0018" .....  
 Piston ring groove depth—  
 Oil ..... 5/32" ..... Compression ..... 9/64" .....  
 No. of oil rings used per piston ..... 2 .....  
 Width of oil rings ..... 3/16" .....  
 Width of oil ring gap ..... .009" - .014" .....  
 No. of compression rings used per piston ..... 2 .....  
 Width of compression rings ..... 3/32" .....  
 Width of compression ring gap ..... .009" - .014" .....  
 Maximum wall thickness of oil rings ..... .150" .....  
 Maximum wall thickness of compression rings ..... .150" .....

#### RODS and PINS

Wristpin—  
 Length ..... 2-31/32 ..... Diameter ..... 55/64" .....  
 Locked in rod, piston or floating ..... Locked in Piston .....  
 Clearance In Rod ..... .0003" to .0006" .....  
 Hole finish—reamed, diamond bored, broached or ground ..... Diam. Bore .....  
 Connecting rod—  
 Length—center to center ..... 7-13/16" .....  
 Material ..... G.M.C. #X-1335-A Steel .....  
 Weight—ounces ..... 29.5 .....  
 Crankpin journal—  
 Diameter ..... 2-1/8" ..... Length ..... 1-3/8" .....  
 Lower bearing—  
 Material ..... Steel Backed, Babbitt Lined .....  
 Make ..... Own .....  
 Clearance ..... .0005" to .0025" .....  
 End play ..... .0055" to .0105" .....  
 Shim—solid, laminated or none ..... None .....  
 Spun or separate ..... Separate .....  
 Rods and pistons removed from above or below ..... Above .....

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

**CRANKSHAFT**

Vibration dampener used—yes or no Yes  
 Type Spring  
 Crankshaft counterweights used, number of 8  
 Which main bearing takes thrust Front  
 Crankshaft end play .004" - .008"

**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  
 Clearance .001" - .003"  
 Shim—solid, laminated or none None

**Main bearing journal diameter x length—**

No. 1. 2-31/64" x 1-13/32"  
 No. 2. 2-35/64" x 1-3/16"  
 No. 3. 2-39/64" x 1-5/16"  
 No. 4. 2-43/64" x 1-3/16"  
 No. 5. 2-11/16" x 1-11/16"  
 No. 6.  
 No. 7.  
 No. 8.  
 No. 9.

**Crankshaft gear or sprocket—**

Make Link Belt  
 Material G.M.C. X-1315 Steel

**CAMSHAFT**

**Camshaft gear or sprocket—**

Make Link Belt  
 Material G.M.C. #12-M Cast Iron

**Timing chain—**

Make Link Belt  
 Number of links 47  
 Width 1"  
 Pitch .500"  
 Adjustment—none, automatic or manual None

**VALVES**

**INTAKE VALVE—**

Make Thompson  
 Material G.M.C. #3140 Steel  
 Overall length 5-51/64"  
 Actual overall diameter of head 1-9/16"  
 Angle of seat 30°  
 Is valve seat an insert? No Material —  
 Stem diameter 11/32"  
 Stem to guide clearance .00175" to .00375"

**VALVES (cont'd)**

Lift .300"  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 46 ins. 2-9/32"  
 With valve open—lb. 94 ins. 1-31/32"  
 Length out of engine—ins. 2-5/8"  
 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 5-51/64"  
 Actual overall diameter of head 1-27/64"  
 Angle of seat 45°  
 Is valve seat an insert? No Material —  
 Stem diameter 11/32"  
 Stem to guide clearance .00245" to .00425"  
 Lift .300"  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 46 ins. 2-9/32"  
 With valve open—lb. 94 ins. 1-31/32"  
 Length out of engine—ins. 2-5/8"  
 Inner—  
 With valve closed—lb. ins.  
 With valve open—lb. ins.  
 Length out of engine—ins.

Operating tappet clearance (hot or cold)—intake .008"  
 Tappet clearance for valve timing—intake .0124"  
 Operating tappet clearance (hot or cold)—exhaust .011"  
 Tappet clearance for valve timing—exhaust .0155"  
 Hydraulic valve lifters—yes or no No

**Valve timing—**

Intake opens degrees BUDC piston travel T.D.C.  
 Intake closes 35 " ALDC " " A.B.C.  
 Exhaust opens 45 " BLDC " " B.B.C.  
 Exhaust closes 10 " AUDC " " A.T.C.  
 Valve Timing Marks on Flywheel, Vibration Damper, None Fly Wheel

**LUBRICATION**

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

# 1940 MODEL SPECIFICATIONS

Page 3

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

## 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 6 refill 6  
 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 Gals.  
 Fuel feed—  
 Type—vacuum tank, electric pump, gravity vacuum  
 pump or camshaft pump Camshaft Pump  
 Make A.C. Model  
 Carburetor—  
 Make Carter Model WDO - 389S  
 Size 1"  
 Type—  
 Up or down draft Down Single or dual Dual  
 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 No  
 Radiator shutter—Make None  
 Radiator core—

## COOLING (cont'd)

Type Vee Cell  
 Make Harrison  
 Cooling system—capacity, quarts 21  
 Water jackets full length of cylinders—yes or no Yes  
 Lower radiator hose—  
 Inside diameter 1-3/4" Length 17-1/2"  
 Upper radiator hose—  
 Inside diameter 1-1/2" Length 6-7/8"  
 Fan belt—  
 Make Various  
 Number used 1  
 Angle of vee 32°  
 Length, Inside 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 27.5°  
 Vacuum advance, degrees 33°  
 Breaker gap .015"  
 Cam angle  
 Timing—Breaker points open 2 degrees crankshaft travel  
 or .002 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 1-6-2-5-8-3-7-4  
 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 .030"  
 Ignition cable make G.M.

## BATTERY

Make Delco Remy  
 Capacity—ampere hours 115 @ 20 hour rate  
 Number of plates per cell 17  
 Bench charging rate—  
 Start 12.5 Amps Finish 5.25 Amps  
 Which battery terminal is grounded Negative  
 Location of battery Under Hood

# 1940 MODEL SPECIFICATIONS

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

## STARTING MOTOR

Make Delco Remy Model Summer-100 R.P.M.  
 Normal engine cranking speed Summer-100 R.P.M.  
 Lock test—  
 Amperage draw 600  
 Volts 3.0  
 Torque in pounds feet 15  
 No load test—  
 Amperage draw 60  
 Volts 5 R.P.M. 6000  
 Type of drive—Bendix or sliding gear with overrunning clutch. **Manual gear.**  
 Starter operation—check items required to start engine  
 1. Turn on ignition X  
 2. Depress starter pedal X  
 3. Depress accelerator pedal X  
 4. Depress clutch pedal X  
 5. Operate button on dash X  
 6. Pull out throttle X  
 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 None  
 Field fuse capacity None  
 Type—third brush, shunt, etc. Shunt  
 Current regulator, voltage regulator or current and voltage control unit Voltage & current regulator  
 Cutout relay—  
 Voltage at closing 6.3 - 6.9  
 Armature speed at closing 600  
 Car speed at closing 0 - 3.0  
 Amperes to open 0 - 3.0  
 Maximum charging-rate cold—  
 Temperature 33  
 Amperes 7.85  
 Voltage 7.85  
 R.P.M. 3200 Armature  
 Maximum charging rate hot—  
 Temperature 33  
 Amperes 7.6  
 Voltage 7.6  
 R.P.M. 3400 Armature  
 Car speed for maximum charging rate 21 up  
 Ammeter or charge indicator make A.C.

## LAMPS

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

## CLUTCH

Make Borg and Beck  
 Semi-centrifugal No  
 Power operated unit—make None  
 Vibration insulation or neutralizer—fabric, rubber blocks or springs. Spring  
 No. of clutch driving discs 1  
 No. of clutch driven discs 1  
 Clutch facing—  
 Material—woven or moulded asbestos, cork. Woven-Molded  
 Inside diameter 7"  
 Outside diameter 10"  
 Thickness .125"  
 No. required 2

## TRANSMISSION

See auxiliary sheet 4-A, attached, for complete information on Oldsmobile's Hydra-Matic Drive. When this unit is available in production quantities, around October 15, it will become standard equipment for the series "90" (Custom 8 cruiser) models, the car price being increased accordingly. The Hydra-Matic Drive will also be available, at extra cost, for the series "60" and "70" cars. The information listed below, under Clutch and Transmission applies to the 1940 design Synchro-Mesh Transmission, standard equipment for series "60" and "70" cars.  
 Transmission—  
 Make Own Model "90" Series  
 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 See Auxiliary sheet 4-A attached

HYDRA-MATIC DRIVE

SPECIFICATIONS

Type - - - - - Liquid fly-wheel combin-  
ed with a fully auto-  
matic transmission

Location - - - - - Unit with engine

Type of Gearing - - - - - Planetary

Control Location - - - - - Steering Column

Number of forward speeds - 4

Transmission Ratios:

First - - - - - 3.658 to 1

Second - - - - - 2.53 to 1

Third - - - - - 1.44 to 1

Fourth - - - - - 1 to 1

Reverse - - - - - 4.30 to 1

Transmission Oil Capacity - 10 Quarts

Clutch - - - - - None

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

**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 " "  
 For reverse speed " "  
 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 "90" Series  
 Type—*semi, full or three-quarter floating* Semi-Floating  
 Minimum road-clearance under center of rear axle—*tires inflated* 8-3/16"  
 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 No  
 Backlash between pinion and ring gear .005" to .007"  
 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 15" x 7.00" No. of plies 4  
 Inflation pressure—Front 25 Rear 25  
 Rim—Diameter 15" Width 4.50 E  
 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 14-9/16"  
 Length under curb weight .....  
 Rate for above 325 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"

# 1940 MODEL SPECIFICATIONS

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

## 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 and Roller  
 Make Saginaw Model  
 Ratio 10.1  
 Lubricant recommended See Lubrication 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* 19' 1/4"  
 Caster—degrees 0° to -3/4°  
 Camber—degrees or -1/4" inches 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* 8-1/8"

## 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 Primary-Moulded  
 Drum— Secondary-Woven

## BRAKES (cont'd)

Material Cast Iron Diameter 11"  
 Lining—  
 Length per wheel 21-5/16"  
 Width 2" Thickness 3/16"  
 Clearance—*toe* .010" *heel* .010"  
 Total foot braking area 170.5 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 2" Thickness 3/16"  
 Clearance .010"

## FRAME

Frame—  
 Make Various  
 Type Channel Type X-Member  
 Depth—*maximum* 6-1/4"  
 Thickness—*maximum* 1/8"  
 Flange width—*maximum* 2-1/4"  
 Wheelbase 124"  
 Tread—  
 Front 58"  
 Rear 59"  
 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 242001  
 Serial number location On L.H. Frame  
Side Member Under Hood  
 Overall length of car—  
 With bumpers and bumper guards 210-3/4"

# 1940 MODEL SPECIFICATIONS

Make of Car ..... Oldsmobile ..... Model ..... Custom 8 Cruiser ..... Date ..... 10-16-39 .....

NOTE—In giving bearing dimensions, kindly use the following order: inside diameter, outside diameter and width. Where cap 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 ..... Lubricated 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. .....  
 Size or number ..... 907506 .....

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

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

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. Ball - (Double Row) .....  
 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 .....  
 Size or number ..... 179243 .....

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

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

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

Front wheel outer bearing—  
 Make or type ..... N. D. .....  
 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 ..... Ball .....  
 Size or number ..... 230679 .....

Front spring—Bolt—  
 Bushing size ..... None .....  
 Bushing type .....

Shackles—  
 Upper end ..... None .....  
 Lower end .....

Rear spring—Bolt—  
 Bushing size ..... None .....  
 Bushing type .....

Shackles—  
 Upper end ..... None .....  
 Lower end ..... None .....



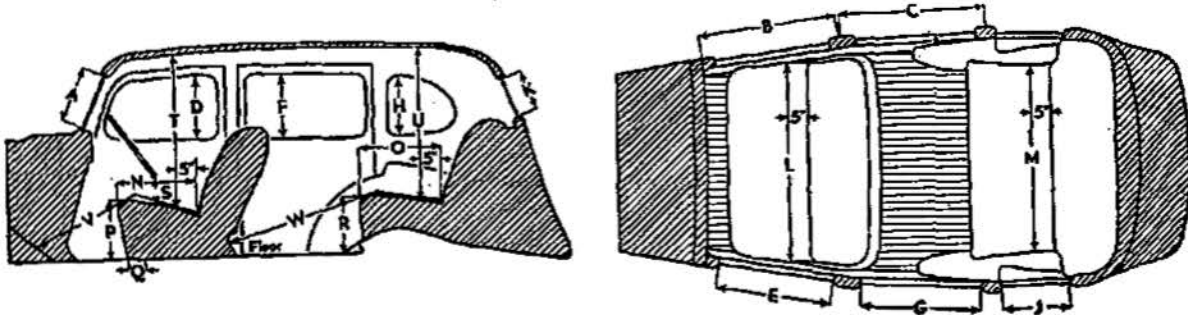
Make of Car ..... Oldsmobile ..... Model ..... Custom 8 Cruiser ... Date ... 10-16-39 .....

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.....	Custom 8 Cruiser.....		
Lacquer make .....	Various.....		
Body finish, lacquer or synthetic enamel .....	Lacquer.....		
Fender finish, lacquer or synthetic enamel.....	".....		
Hardware make .....	Ternstedt.....		
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 .....	Guide.....		
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.....		

Make of Car ..... Oldsmobile ..... Model.... Custom 8 Cruiser... Date ... 10-16-39.....

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



**EXTERIOR**

Overall height, road to roof with <del>no load</del> 5 Pass. Load .....	64 23/32"
Minimum height of floor in front compartment, <del>no load</del> 5 Pass. Load .....	13 19/64"
Minimum height of floor in rear compartment, <del>no load</del> 5 Pass. Load .....	13 7/32"
Distance between hinge centers, front door .....	18 1/4"
Distance between hinge centers, rear door .....	15"
Windshield opening height (A) .....	15 1/2"
Windshield opening width, to center strip if divided .....	25"
Width of front door, at handle (B) .....	40"
Width of rear door, at handle (C) .....	35 3/8"
Height of front door, maximum .....	47"
Height of rear door, maximum .....	47"
Height of window opening in front door, maximum (D) .....	13"
Width of window opening in front door, maximum (E) .....	30 3/8"
Height of window opening in rear door, maximum (F) .....	13"
Width of window opening in rear door, maximum (G) .....	30 1/2"
Height of rear quarter window opening, maximum (H) .....	None
Width of rear quarter window opening, maximum (J) .....	None
Height of rear window opening, maximum (K) .....	12 1/4"
Width of rear window opening, maximum (if divided list each) .....	38 1/4"

**INTERIOR**

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

Width of front seat cushion, measured 5 inches from back (L) .....	56"
Width of rear seat cushion, measured 5 inches from back (M) .....	47 5/8"
Depth of front seat cushion (N) .....	18 1/2"
Depth of rear seat cushion (O) .....	19 3/4"
Height of front seat cushion (P) .....	14"
Front seat horizontal adjustment, inches (Q) .....	4 1/2"
Front seat vertical adjustment, inches .....	1/2"
Height of rear seat cushion (R) .....	13 1/2"
Vertical distance between steering wheel and seat cushion (S) .....	5 7/16"
Head room at front seat, measured 5 inches from back (T) .....	36"
Head room at rear seat, measured 5 inches from back (U) .....	36 1/4"
Leg room in front seat, measured from 6 inches up on toe board (V) .....	42 1/4"
Leg room in rear seat, measured from center of foot rest (W) .....	44"
Width of left front pillar on diagonal with door closed .....	3 1/4"

to

o

see Bench 75

Make of Car Oldsmobile Model Custom 8 Cruiser Date 10-16-39

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.

Make	Body Model	Body Make
Crescent 8-80	Roadster	Fisher
	Phaeton	
	Two-door sedan	
	Four-door sedan	
	Coupe	Murray
Crescent 8-80	Coupe with rumble	
	Cabriolet	
	Roadster	Fisher
	Phaeton	
	Two-door sedan	
	Four-door sedan	Budd
	Coupe	
	Coupe with rumble	
	Cabriolet	
	Limousine	Fleetwood
	Landulet	LeBaron

MAKE AND MODEL	BODY TYPE List Types on Ascending Price Scale Beginning with the Lowest Price	Factory Delivered Price Including Federal Tax and Handling Charge	Number of Passengers	Wheel-base	Shipping Weight	Seating Arrangement Number See Diagram	No. of Doors	Body Make	Frame Work Steel or Wood	Top Panel 1 Integral With Roof Rails 2 Separate From Roof Rails	Luggage Compartment		SPARE WHEEL LOCATION 1 Back of Seat 2 Internal rear 3 External rear 4 Fender-well
											1 Behind Front Seat 2 In Rear Deck 3 Both	Capacity Cu. ft.	
Olds Custom 8 Cruiser	Club Coupe	NOT AVAILABLE	3-6	124"	NOT AVAILABLE	3	2	Fisher	Steel	1	2		2
	4-door Tour Sedan		6	124"		4	4	"	"	1	2		2

SEATING ARRANGEMENT DIAGRAM

