

# Automobile Manufacturers Association

## Consolidated Specification Questionnaire

### For 1941 Models

### Mechanical Details

Make of Car ..... Oldsmobile ..... Model ..... Special Series "Six" .....

Name of Maker ..... Olds Motor Works ..... Address ..... Lansing, Michigan .....

Date ..... 8-30-40 .....

**NOTE: (1) Subject to Correction; It is understood that the following data are 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 ..... 15.64 .....

Horsepower per cubic inch ..... 420 .....

Car Weight per horsepower ..... 37.25 .....

(A) Engine Revolutions per mile Direct ..... 3050 .....

Overdrive ..... None .....

(B) Piston Displacement per mile =  $A \times \text{Piston displacement}$  .....

Direct 726,205 .....

Overdrive None .....

Piston Displacement per mile per pound =  $\frac{B}{\text{Car Weight}}$  .....

Direct .195. .....

Overdrive None .....

Car Weight per square inch of brake lining area... 25.1 .....

(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 ..... I-Head .....

Bore ..... 3.1/2" ..... Stroke ..... 4.1/8" .....

Cylinder head, cast iron or aluminum ... Cast Iron .....

Piston displacement ..... 238.1 Cu. In. ....

Taxable horsepower ..... 29.4 .....

Maximum brake horsepower at R.P.M. .... 100 @ 3400 .....

Maximum torque (lbs.-ft.) at R.P.M. .... 190 @ 1400 .....

Compression Ratio—

Standard ... 6.1:1 ..... Optional ... 5.74:1 .....

Standard compression pressure—pounds—

At cranking speed ..... 115# .....

At what R.P.M. .... 100 .....

#### PISTONS and RINGS

Piston

Make ..... Own .....

Material ..... Aluminum Alloy .....

#### PISTONS and RINGS (cont'd)

Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, etc.  Slot, Oxide Pin.

Weight—ounces—without rings, pin or bushing... 17.37 .....

Length ..... 4.1/32" .....

Clearance—

Top land ..... 0.023" ..... to ..... 0.028" .....

Skirt ..... 0.005" ..... to ..... 0.001" .....

Piston ring groove depth—

Oil ..... 11/64" ..... Compression ..... 3/16" .....

No. of oil rings used per piston ..... 2 .....

Width of oil rings ..... 3/16" .....

Width of oil ring gap ..... 0.009" - .014" .....

No. of compression rings used per piston ..... 2 .....

Width of compression rings ..... 3/32" .....

Width of compression ring gap ..... 0.008" - .013" .....

Maximum wall thickness of oil rings ..... 0.155" .....

Maximum wall thickness of compression rings ..... 0.172" .....

#### RODS and PINS

Wristpin—

Material ..... G.M. X-1314 .....

Length ..... 3.5/32" ..... Diameter ..... 55/64" .....

Locked in rod, piston or floating ..... Locked in Piston .....

Clearance in piston ..... 0.002" ..... to ..... 0.001" .....

Clearance in rod ..... 0.003" ..... to ..... 0.006" .....

Hole finish—reamed, diamond bored, bronched or ground Diam. Bore

Connecting rod—

Length—center to center ..... 7.13/16" .....

Material ..... G.M. G. X-1335 .....

Weight—ounces ..... 28.6 .....

Crankpin journal—

Diameter ..... 2.1/8" ..... Length ..... 1.1/4" .....

Lower bearing—

Material ..... Steel Backed Babbitt Lined .....

Clearance ..... 0.005" ..... to ..... 0.025" .....

End play ..... 0.055" ..... to ..... 0.105" .....

Shim—solid, laminated or none ..... None .....

Spun or separate ..... Separate .....

Rods and pistons removed from above or below ..... Above

Make of Car .....Oldsmobile..... Model Special Series "Six" Date 8-30-40

**CRANKSHAFT**

Material .....G.M., 1045 DF Steel.....  
 Vibration dampener used—yes or no .....Yes.....  
 Type .....Spring.....  
 Crankshaft counterweights used, number of .....4.....  
 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 room .....No.....  
 Material Steel Backed Babbitt Lined.....  
 Clearance ......0005" to .003".....  
 Shim—solid, laminated or none .....None.....  
 Main bearing journal diameter x length—  
 No. 1. ....2.31/64" x 1.17/32".....  
 No. 2. ....2.35/64" x 1.3/8".....  
 No. 3. ....2.43/64" x 1.3/8".....  
 No. 4. ....2.11/16" x 1.5/8".....  
 No. 5. .........  
 No. 6. .........  
 No. 7. .........  
 No. 8. .........  
 No. 9. .........  
 Crankshaft gear or sprocket—  
 Make .....Whitney.....  
 Material .....G.M.C. X-1314.....

**CAMSHAFT**

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

**VALVES**

**INTAKE VALVE—**

Make .....Various.....  
 Material .....G.M. #3140.....  
 Overall length .....5.51/64".....  
 Actual overall diameter of head .....1.9/16".....  
 Angle of seat .....30°.....  
 Is valve seat an insert? .....No.....  
 Stem diameter ......3420".....  
 Stem to guide clearance ......00175" to .00375".....

**VALVES (cont'd)**

Lift .....300".....  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 50.1/2 .....ins. 2.1/4".....  
 With valve open—lb. 95.1/2 .....ins. 1.15/16".....  
 Length out of engine—ins. 2.19/32".....  
 Inner—  
 With valve closed—lb. ....ins. ....  
 With valve open—lb. ....ins. ....  
 Length out of engine—ins. ....

**EXHAUST VALVE—**

Make .....Various.....  
 Material Heat Resistant Alloy Steel.....  
 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 ......3414".....  
 Stem to guide clearance ......00245" to .00425".....  
 Lift .....300".....  
 Spring pressure and length—  
 Outer—  
 With valve closed—lb. 50.1/2 .....ins. 2.1/4".....  
 With valve open—lb. 95.1/2 .....ins. 1.15/16".....  
 Length out of engine—ins. 2.19/32".....  
 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 ......0125".....  
 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 .....5.....degrees BUDC piston travel. .010 inches.....  
 Intake closes .....45....." ALDC " " 3.670 inches.....  
 Exhaust opens .....45....." BLDC " " 3.648 inches.....  
 Exhaust closes .....5....." AUDC " " .010 inches.....  
 Valve Timing Marks on Flywheel, Vibration Damper, Nose, Flywheel

**LUBRICATION**

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

Make of Car ..... Oldsmobile ..... Model ..... Special Series "Six" ..... Date ..... 8-30-40 .....

**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. .... 30 .....  
 Pressure at which relief valve opens ..... 30 .....  
 Capacity of oil reservoir—quarts, dry ..... 5 ..... refill ..... 5 .....  
 Oil pressure gauge make ..... A.C. .....  
 Oil reservoir level gauge type ..... Dip Stick .....  
 Floating type oil intake—yes or no ..... No .....  
 External oil filter make ..... None .....  
 Oil cooler make ..... None .....  
 Chassis lubrication—Make ..... Various .....

**FUEL**

Gasoline tank—capacity ..... 19 Gal. ....  
 Fuel feed—  
 Type—vacuum tank, electric pump, gravity vacuum  
 pump or camshaft pump ..... Camshaft Pump .....  
 Make ..... A.C. .... Model ..... 1537358 .....  
 Carburetor—  
 Make ..... Carter ..... Model ..... WA - 1 .....  
 Size ..... 1 1/2" .....  
 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. ....  
 Heavy Duty type—Make ..... Model .....  
 Muffler make ..... Various .....  
 Tail pipe diameter ..... 1 3/4" .....

**COOLING**

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

**COOLING (cont'd)**

Radiator core—  
 Type ..... Vee Cell .....  
 Make ..... Harrison .....  
 Cooling system—capacity, quarts ..... 18 .....  
 Water jackets full length of cylinders—yes or no ..... Yes .....  
 Water all around cylinder—yes or no ..... Yes .....  
 Lower radiator hose—  
 Inside diameter ..... 1 3/4" ..... Length ..... 13" APPROX. ....  
 Upper radiator hose—  
 Inside diameter ..... 1 1/2" ..... Length ..... 8" .....  
 Fan belt—  
 Make ..... Various .....  
 Angle of vee ..... 32° .....  
 Length, inside ..... 44 11/16" ..... Width, maximum ..... 13/16" .....  
 Fan—  
 Make ..... Own ..... No. of Blades ..... 4 .....

**IGNITION**

Ignition unit—  
 Make ..... Delco Remy ..... Model ..... 647-F .....  
 Manual or octane selector, degrees advance ..... None retard .....  
 Maximum automatic advance crankshaft, degrees ..... 26° .....  
 at ..... 4000 ..... engine R.P.M. ....  
 Inches of Vacuum Necessary to operate ..... 5" Hg .....  
 Vacuum Advance (Plus or minus 1 inch) ..... 34° .....  
 Maximum Vacuum advance crankshaft, degrees ..... 34° .....  
 Breaker gap ..... 0.20" ..... Breaker arm tension ..... 17-21 ..... oz. ....  
 Cam angle .....  
 Timing—Breaker points open ..... 0 ..... degrees crankshaft rotation  
 or ..... TDC ..... inches piston travel (after or before) top center  
 with octane selector in the ..... Normal ..... position. ....  
 Timing mark location—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 ..... 44 .....  
 Gap ..... .040" .....  
 Ignition cable make ..... G.M. ....  
**BATTERY**  
 Make ..... Delco Remy ..... Model ..... 15E2 .....  
 Capacity—ampere hours ..... 100 ..... @ 20 hour rate .....  
 Number of plates per cell ..... 15 .....  
 Bench charging rate—  
 Start ..... 12.5 ..... Finish ..... 4.5 .....  
 Which battery terminal is grounded ..... Negative .....  
 Location of battery ..... Under hood .....

# 1941 MODEL SPECIFICATIONS

Make of Car ..... Oldsmobile ..... Model Special Series "Six" ..... Date 8-30-40

## STARTING MOTOR

Make Delco Remy ..... Model 1107034 .....  
 Normal engine cranking speed Summer - 100 R.P.M.  
 Brush spring tension 24-28 oz.  
 Lock test—  
 Amperage draw ..... 475.0 .....  
 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 Gear  
 Starting device—Solenoid, manual, etc. Manual  
 Starter operation—check items required to start engine  
 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" .....  
 Gear ratio between starter armature and flywheel 16.11:1

## GENERATOR

Make Delco Remy ..... Model 1102664 .....  
 Type—third brush, shunt, etc. Shunt  
 Brush spring tension 24-28 oz.  
 Current regulator, voltage regulator or current and voltage control unit Current & Voltage  
 Maximum controlled charging rate  
 Temperature ..... 150° .....  
 Amperes ..... 33 .....  
 Voltage ..... 7.75 .....  
 R.P.M. 2400 .....  
 Cutout relay—  
 Voltage at closing ..... 6.5 .....  
 Amperes to open, reverse current ..... -2 .....  
 Air gap ..... 0.020" .....  
 Voltage regulator—  
 Volts ..... 7.3 .....  
 Temperature ..... 150° .....  
 Air gap ..... 0.080" .....  
 Current regulator—  
 Amperes ..... 33 .....  
 Temperature ..... 150° .....  
 Air gap ..... 0.080" .....  
 Car speed for maximum charging rate 23 M.P.H. 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 Lamp .....  
 Location—in fender, in catwalk, on radiator shell In Fender .....  
 Candlepower of bulb 35-45 Watts .....  
 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 High Note 18 .....  
 Low Note 20

## 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—woven or matted asbestos, cork Woven-Moulded .....  
 Inside diameter 6" .....  
 Outside diameter 9 1/4" .....  
 Thickness 1.25" .....  
 No. required 2

## TRANSMISSION

Transmission—  
 Make Own ..... Model .....  
 No. of forward speeds 3 .....  
 Shift lever location—dash, steering column, floor Strg. Col. ....  
 If steering column gearshift—  
 Are gears meshed by rod linkage or cable Rod .....  
 Are gears selected by rod linkage or cable Rod

See auxiliary sheet 4-A, attached, for complete information on Oldsmobile's Hydra-Matic Drive. This unit is available for all models, car prices being increased accordingly. The information listed herein, under Clutch and Transmission applies to the 1941 design Synchro-Mesh Transmission, standard equipment for all series cars.

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 Special Series "Six" Date 8-30-40

**TRANSMISSION (Cont'd)**

Transmission ratio—  
 In overdrive ..... In second 1.6608:1  
 In low 2.667:1 ..... In reverse 3.022:1  
 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 90 ..... Winter 90  
 Universal joints—  
 Make ..... Mechanics  
 Number used ..... 2  
 Type—metal with anti-friction bearing or metal with plain bearing ..... Metal with anti-friction bearing  
 Lubricated with ..... Permanently  
 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 .....  
 Type—semi, full or three-quarter floating ..... Semi-Floating  
 Minimum road clearance under center of rear axle—tires inflated ..... 7.1/16"  
 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 ..... 4.1:1  
 Optional gear ratios ..... 4.3:1  
 Number of teeth—  
 In ring gear ..... 41 ..... In pinion ..... 10  
 How is pinion adjusted—screw or shims ..... Shims  
 How is pinion bearing adjusted—screw or shims ..... None  
 Are pinion bearings carried in sleeve ..... No  
 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 6.00" ..... No. of plies ..... 4  
 Inflation pressure—Front ..... 28 ..... Rear ..... 28  
 Rim—Diameter ..... 16" ..... Width ..... 4.50"E  
 Wheels—  
 Type ..... Steel  
 Make ..... Various

**SPRINGS**

**FRONT SPRING—**

Independent or conventional suspension ..... Independent  
 Type—coil, semi-elliptic or transverse ..... Coil  
 Make ..... Own  
 Material ..... G.M. 9260-M Spring Steel  
 Torsional stabilizer at front ..... Yes  
 If leaf—  
 Length ..... Width .....  
 Number of leaves—5-passenger, 4-door sedan .....  
 Are radius rods used on axle .....  
 Shackled front or rear .....  
 If coil—  
 Free length ..... 14 13/32"  
 Length under curb weight ..... 9 1/2"  
 Rate for above ..... 290 ..... pounds per inch

**REAR SPRING—**

Independent or conventional suspension ..... Conventional  
 Type—coil, semi-elliptic or transverse ..... Coil  
 Make ..... Own  
 Material ..... G.M. 9260-M Spring Steel  
 Torsional stabilizer at rear ..... Yes  
 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 ..... 17 3/4"  
 Length under curb weight ..... 9"

# 1941 MODEL SPECIFICATIONS

Make of Car Oldsmobile Model Special Series "Six" Date 8-30-40

### SPRINGS (cont'd)

Rate for above 100 pounds per inch  
 Shock absorbers—  
 Make Delco  
 Type, one way with lever, two way with lever, or direct acting  
 Front Two Way with Lever  
 Rear Two Way with Lever  
 Fluid capacity—front 134-140 CC rear 154-163 CC

### STEERING

Steering gear—  
 Type Worm & Roller  
 Make Saginaw Model 420-D-112  
 Ratio 19:1  
 Lubricant recommended See Chart  
 Steering wheel diameter 18"  
 Drag link longitudinal or transverse Transverse  
 Tie rod—one or two Two  
 Is intermediate steering arm used No  
 Number of turns of steering wheel for full left  
 to right swing of wheels 4 1/2  
 Car turning radius—feet—right, left or both 18' 6"  
 Caster—degrees 0° to -3/4°  
 Camber—degrees or -1/4° inches to -3/4°  
 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  
 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 None  
 Brake lining moulded, semi-moulded or woven—  
 Primary shoe Moulded  
 Secondary shoe Moulded

### BRAKES (cont'd)

Drum—  
 Material Cast Iron Diameter 11"  
 Lining—  
 Length per wheel 21 5/16"  
 Width 1 3/4" Thickness 3/16"  
 Clearance—for .015" heel .015"  
 Total foot braking area 148 Sq. In.  
 Percent braking power on rear wheels 45  
 Hand lever operates on—transmission, separate rear brakes, rear service brakes or all four service brakes Rear Service  
 Hand brake, if separate from service brake—  
 Internal or external Internal  
 Drum diameter 11"  
 Lining—  
 Length per drum 21 5/16"  
 Width 1 3/4" Thickness 3/16"  
 Clearance .015"

### FRAME

Frame—  
 Depth—maximum 5 1/2"  
 Thickness—maximum 7/64"  
 Flange width—maximum 2 1/8"  
 Wheelbase 119"  
 Tread—  
 Front 58"  
 Rear 61 1/2"  
 Weight of standard 5-passenger four-door sedan—  
 Shipping Not Available  
 Curb Not Available  
 Price of standard 5-passenger, 4-door sedan Not Available  
 First serial number, this series 66-1001  
 Serial number location Upper Left Side on  
Front Face of Dash  
 Overall length of car—  
 With bumpers and bumper guards 204"

Make of Car ..... Oldsmobile ..... Model ..... Special Series "Six" ..... Date ..... 8-30-40 .....

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 New Departure 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 803208

Super-charger—  
 Make or type None  
 Size or number

Clutch throwout bearing—  
 Make or type Graphite  
 Size or number 411538

Transmission main drive gear front pilot bearing—  
 Make or type Durex  
 Size or number 412562

Transmission main drive gear rear bearing—  
 Make or type New Departure Ball  
 Size or number 954154

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

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

Transmission main shaft rear bearing—  
 Make or type New Departure Ball  
 Size or number 907506

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

Transmission countershaft rear bearing—  
 Make or type Needle  
 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 None  
 Size or number

Rear axle pinion shaft front bearing—  
 Make or type New Departure D.R. 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 or Bower  
 Size or number 179243 or 502970

Differential left bearing—  
 Make or type Hyatt or Bower  
 Size or number 179243 or 502970

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

Rear wheel outer bearing—  
 Make or type New Departure Ball  
 Size or number 954172

Front wheel inner bearing—  
 Make or type New Departure Ball  
 Size or number 909702

Front wheel outer bearing—  
 Make or type New Departure Ball  
 Size or number 909701

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

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

Kingpin thrust bearing—  
 Make or type New Departure 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



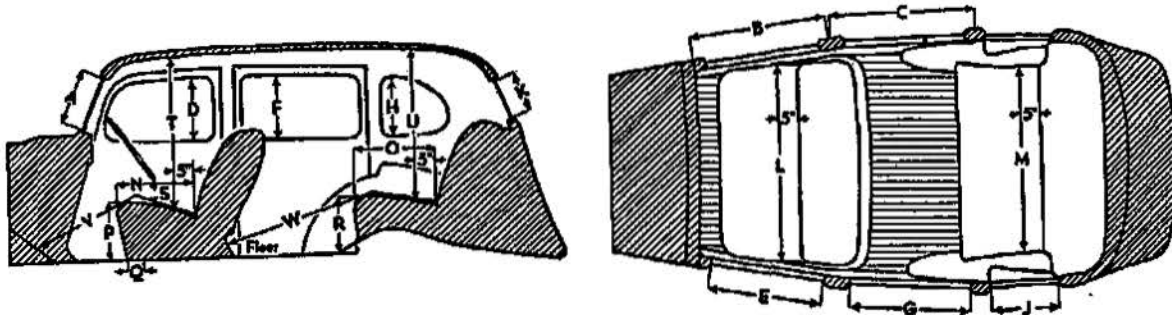
Make of Car ..... Oldsmobile ..... Model... Special.. Series.. "Six"... Date 8-30-40.....

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.....	Special Six	Special Six	.....
Lacquer make .....	Various..	Various..	.....
Body finish, lacquer or synthetic enamel .....	Lacquer..	Lacquer..	.....
Fender finish, lacquer or synthetic enamel .....	"	"	.....
Hardware make .....	Ternstedt.	Ternstedt.	.....
Speedometer make .....	A.C.	A.C.	.....
Gasoline gauge make .....	A.C.	A.C.	.....
Thermometer make .....	A.C.	A.C.	.....
Car lock make .....	Various..	Various..	.....
Car lock operates on ignition or ignition and steering .....	Ignition..	Ignition..	.....
Clock make ..... mechanical or electrical.....	None...	Electric..	.....
Cigar lighter make .....	None...	None...	.....
Safety glass make .....	L.O.F.	L.O.F.	.....
Safety glass type, laminated or tempered.....	Laminated	Laminated..	.....
In windshield .....	"	"	.....
In side windows .....	"	"	.....
In rear window .....	Tempered	Tempered..	.....
Bumper make .....	Own	Own	.....
Bumper guard make .....	Guide	Guide	.....
Car heater make .....	None	None	.....
Direction signal make .....	None	None	.....
Front—yes or no..... Rear—yes or no.....	None	None	.....
No. of tail lights included .....	2	2	.....
No. of visors included .....	2	2	.....
No. of horns included .....	2	2	.....
No. of windshield wipers included .....	2	2	.....
No. of spare tires included .....	1	1	.....

Make of Car ..... Oldsmobile ..... Model. Special Series "Six" Date ..... 8-30-40 .....

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



**EXTERIOR**

Overall height, road to roof with no load .....	69 5/16"
Minimum height of floor in front compartment, no load .....	13 7/8"
Minimum height of floor in rear compartment, no load .....	13 7/8"
Distance between hinge centers, front door .....	18 17/32"
Distance between hinge centers, rear door .....	12 9/16"
Windshield opening height (A) .....	15 1/8"
Windshield opening width, to center strip if divided .....	24 1/4"
Width of front door, at handle (B) .....	33 13/16"
Width of rear door, at handle (C) .....	28 1/16"
Height of front door, maximum .....	46 13/16"
Height of rear door, maximum .....	47 1/16"
Height of window opening in front door, maximum (D) .....	11 15/16"
Width of window opening in front door, maximum (E) .....	25 1/16"
Height of window opening in rear door, maximum (F) .....	12"
Width of window opening in rear door, maximum (G) .....	22 1/8"
Height of rear quarter window opening, maximum (H) .....	10 7/8"
Width of rear quarter window opening, maximum (J) .....	19 1/2"
Height of rear window opening, maximum (K) .....	12 7/8"
Width of rear window opening, maximum (if divided list each) .....	36 1/8"

**INTERIOR**

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

Width of front seat cushion, measured 5 inches from back (L) .....	55 1/2"
Width of rear seat cushion, measured 5 inches from back (M) .....	48 1/4"
Depth of front seat cushion (N) .....	18"
Depth of rear seat cushion (O) .....	18 3/4"
Height of front seat cushion (P) .....	13 3/16"
Front seat horizontal adjustment, inches (Q) .....	4 1/2"
Front seat vertical adjustment, inches .....	1 1/2"
Height of rear seat cushion (R) .....	13 3/16"
Vertical distance between steering wheel and seat cushion (S) .....	7 1/4"
Head room at front seat, measured 5 inches from back (T) .....	38"
Head room at rear seat, measured 5 inches from back (U) .....	36 3/8"
Leg room in front seat, measured from 6 inches up on toe board (V) .....	41 5/8"
Leg room in rear seat, measured from center of foot rest (W) .....	38 3/8"
Width of left front pillar on diagonal with door closed .....	3 1/2"

Make of Car .....Oldsmobile..... Model.Special.Series.."Six". Date .....8-30-40.....

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 8-50	Roadster	Fisher
	Phaeton	
	Two-door sedan	
	Four-door sedan	
	Coupe	
	Coupe with rumble	
Crescent 8-30	Cabriolet	Murray
	Roadster	Fisher
	Phaeton	Budd
	Two-door sedan	
	Four-door sedan	
	Coupe	
	Coupe with rumble	
	Cabriolet	
	Limousine	
	Landulet	
		Fleetwood
		LaBaron

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 Below	Body Make
Olds Special "Six"	Bus. Coupe		3	119"		1	Fisher
" " "	Club Coupe		3 - 6	119"		3	"
" " "	2-Door Sedan	Available	6	119"	Available	3	"
" " "	4-Door Sedan		6	119"		4	"
" " "	Conv. Coupe		3 - 6	119"		3	"
" " "	Station Wagon			119"			Hercules
		Not Available			Not Available		

SEATING ARRANGEMENT NUMBERS

- 1—Two-door car with no rear seat.
- 2—Two-door car with rumble seat.
- 3—Two-door car with conventional rear cushion.
- 4—Four-door car with cushions front and rear.
- 5—Four-door car with cushions front and rear plus two auxiliary seats folding into front seat back.
- 6—Two-door car with two opera seats folding into sides of body.
- 7—Two-door car with two opera seats folding into rear of body.
- 8—Two-door car with one opera seat folding into rear of body and other seat stationary.
- 9—Two-door car with rear stationary seat for one passenger.