# AUTOMOBILE MANUFACTURERS ASSOCIATION
# CONSOLIDATED SPECIFICATION QUESTIONNAIRE

| MAKE OF CAR: | DESOTO | MODEL NAME | SYMBOL |
|---|---|---|---|
| COMPANY: | DESOTO DIVISION<br>CHRYSLER CORPORATION<br>DETROIT 31, MICHIGAN | Firedome . . . . . | S-23 |
| | | Fireflite . . . . . | S-24 |
| | | Fireflite Adventurer . . . | S-24 |
| MODEL YEAR: 1956 | DATE Sept. 30, 1955 | | |

## TABLE OF CONTENTS



NOTES: 1. The specifications set forth herein are those in effect at the date of compilation and are subject to change without notice.
2. All specifications are standard for the models under which they are listed unless otherwise indicated.
3. All dimensions are nominal engineering dimensions unless otherwise indicated.
4. Unless otherwise indicated, specifications apply to 5 or 6 passenger, 4-door sedan or equivalent.

## GENERAL SPECIFICATIONS

| Model | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|
| Wheelbase | | 126.0 | | |
| Tread | Front | 60.4 | | |
| | Rear | 59.6 | | |
| Maximum Overall Dimensions | Length (L-103) | 217.9 | | 220.9 |
| | Width (W-103) | 78.3 | | |
| | Height (H-101) | 60.6 | | 58 |
| Steering ratio—overall | | N/A | | |
| Turning diameter (curb to curb) | | 43' 9" | | |
| Shipping weight* (x) | | 3855 | 4005 | 4030 |
| Transmission— (Specify standard, optional, not avail.) | Conventional | Standard | Not Available | |
| | Overdrive | Optional | Not Available | |
| | Automatic | Optional | Standard | |
| Axle ratio | Conventional | 3.9 | --- | |
| | Overdrive | 4.3 | --- | |
| | Automatic | 3.73 | 3.54 | (a) |
| Tire size | | 7.60 x 15 Tubeless | | (b) |
| Engine | Type | 90° V | | |
| | No. of cylinders | 8 | | |
| | Valve arrangement | Overhead, Lateral, Inclined | | |
| | Bore and stroke | 3.72 x 3.80 | | 3.78 x 3.80 |
| | Piston displacement, cu. in. | 330 | | 341.4 |
| | Standard compression ratio | 8.5 | | 9.25 |
| | Maximum bhp at engine rpm | 230 at 4400 | 255 at 4400 | 320 at 5200 |
| | Maximum torque at rpm | 305 at 2800 | 350 at 3200 | 356 at 4000 |

*Standard car weight, not including gas and water.

(x) Revised 3-1-56; S-24 Adventurer added.

(a) Optional Ratios: 3.07, 3.36, 3.54, 3.73, 3.91

(b) 7.60 x 15 Tubeless, Nylon, W/S/W Standard.

# AMA Consolidated Specification Questionnaire



MAKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **ENGINE—GENERAL** | | | | | |
| Type | V, In-line, other | | V | | |
| | Angle of V | | 90° | | |
| No. of cylinders | | | 8 | | |
| Valve arrangement | | | Overhead, Laterally Inclined | | |
| Bore and stroke | | | 3.72 x 3.80 | | 3.78 x 3.80 |
| Piston displacement, cu. in. | | | 330 | | 341.4 |
| Numbering 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 | | |
| Compression ratio | Standard Head | | 8.5 | | 9.25 |
| | Optional Head | | --- | | |
| Cylinders | Head Material | Standard | Cast Iron | | |
| | | Optional | --- | | |
| | Sleeve—Wet, dry, other, none | | None | | |
| Number of mounting points | | Front | Two | | |
| | | Rear | One | | |
| Taxable horsepower | (Dia.² x No. Cyl.) / 2.5 | | 44.3 | | 45.7 |
| Advertised max. brake horsepower at engine RPM* | Standard head | | 230 at 4400 | 255 at 4400 | 320 at 5200 |
| | Optional head | | --- | | |
| | With fuel (Octane and method) | Standard Head | 86.5 Motor | | 91 - 98 Research |
| | | Optional Head | --- | | |
| Max. torque (lb. ft. @ RPM) | Standard head | | 305 at 2800 | 350 at 3200 | 356 at 4000 |
| | Optional head | | --- | | |
| Recommended idle speed (neutral) | | | 450 - 500 | | 600 |

## ENGINE—PISTONS

| | | | | | |
|---|---|---|---|---|---|
| Material | | | Aluminum Alloy | | |
| Description and finish | | | Thermally Controlled by Steel Belt, Horizontal Slot, Elliptically Turned, Tin Plated. | | |
| Weight (piston only) oz. | | | 19.9 | | |
| Clearance | Top land | | .032 | | |
| | Skirt | Top | .00075 to .00125 | | |
| | | Bottom | --- | | |
| Ring groove depth | No. 1 ring | | .21 | | |
| | No. 2 ring | | .21 | | |
| | No. 3 ring | | .21 | | |
| | No. 4 ring | | --- | | |

*Corrected as defined by SAE Engine Test Code, with the following standard power consuming accessories: Generator, Water Pump, Manifolds, Fuel Pump, Manual Spark Advance, and Manifold Heat Off.

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire



MAKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **ENGINE—RINGS** | | | | | |
| Type (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. | | --- | | |
| No. rings above piston pin | | | Three | | |
| Compression | Material | | Piston Ring Iron | | |
| | Coating | | Tin | | |
| | Width | | .078 | | |
| | Gap | | .010 - .020 | | |
| | Maximum wall thickness | | .186 | | |
| Oil | Material | | Piston Ring Iron | | |
| | Coating | | None | | |
| | Width | | .186 | | |
| | Gap | | .010 - .020 | | |
| | Maximum wall thickness | | .145 | | |
| Location of expanders | | | On Oil Ring | | |
| **ENGINE—PISTON PINS** | | | | | |
| Material | | | High Manganese Steel | | |
| Length | | | 3.07 | | |
| Diameter | | | .922 | | |
| Type | Locked in rod, in piston, floating, etc. | | Floating | | |
| | Bushing | In rod or piston | Rod | | |
| | | Material | Steel Backed Lead Bronze | | |
| Clearance | In piston | | 0 - .0005 | | |
| | In rod | | .0001 - .0004 (Selective) | | |
| Direction offset in piston | | | Right - .06 | | |
| **ENGINE—CONNECTING RODS** | | | | | |
| Material | | | High Manganese Forging Steel | | |
| Weight (oz.) | | | 25.1 | | |
| Length (center to center) | | | 6.62 | | |
| Bearing | Material | | Thin Babbitt on Steel | | |
| | Type (cast-in or removable) | | Removable | | |
| | Effective length | | .81 | | |
| | Clearance | | .0005 to .0015 (Desired) | | |
| | End play | | .006 to .014 (2 Rods) | | |
| **ENGINE—CRANKSHAFT** | | | | | |
| Material | | | Drop Forged Steel | | |
| Weight (lb.) | | | N/A | | |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **ENGINE—CRANKSHAFT (cont.)** | | | | | |
| Vibration damper type | | | Rubber - Dynamic | | |
| End thrust taken by bearing (No.) | | | #3 - Center | | |
| Crankshaft end play | | | .002 - .007 | | |
| Main bearing | Material | | Lead Base Babbitt on Steel | | |
| | Type (cast-in or removable) | | Removable | | |
| | Clearance | | .0005 - .0015 | | |
| | Journal dia. and bearing effective length | No. 1 | 2.50 x .75 | | |
| | | No. 2 | 2.50 x .75 | | |
| | | No. 3 | 2.50 x .72 | | |
| | | No. 4 | 2.50 x .75 | | |
| | | No. 5 | 2.50 x 1.34 | | |
| | | No. 6 | --- | | |
| | | No. 7 | --- | | |
| | Direction offset from cyl. bore | | None | | |
| Connecting rod crankpin journal diameter | | | 2.50 | | |
| **ENGINE—CAMSHAFT** | | | | | |
| Material | | | Special Cast Iron with Cams, Distributor, and Oil Pump Drive Gear Cast Integrally. | | |
| Bearings | Material | | Lead Base Babbitt on Steel | | |
| | Number | | Five | | |
| Type of drive | Gear or chain | | Chain | | |
| | Crankshaft gear or sprocket material | | High Manganese Steel | | |
| | Camshaft gear or sprocket material | | Cast Iron | | |
| | Timing chain | Make | Morse Silent | | |
| | | No. of links | 68 | | |
| | | Width | 1.125 | | |
| | | Pitch | .375 | | |
| **ENGINE—VALVE SYSTEM** | | | | | |
| Hydraulic lifters (yes, no) | | | Yes | | |
| Special provision for valve rotation (intake, exhaust) | | | Low Friction Lock on Exhaust | | |
| Rocker ratio | | | 1.5 | | |
| Operating tappet clearance (indicate hot or cold) | Intake | | 0 | | |
| | Exhaust | | 0 | | |
| Tappet clearance for timing | Intake | | Valve Train Solid | | |
| | Exhaust | | Valve Train Solid | | |
| Timing marks on fly-wheel, damper, other | | | Crankshaft Vibration Damper | | |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

MAKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **ENGINE—VALVE SYSTEM (cont.)** | | | | | |
| Timing | Intake | Opens (°BTC) | 4 ATC | 15 BTC | 35 BTC |
| | | Closes (°ABC) | 76 ABC | 57 ABC | 65 ABC |
| | Exhaust | Opens (°BBC) | 54 BBC | 49 BBC | 65 BBC |
| | | Closes (°ATC) | 10 ATC | 15 ATC | 25 ATC |
| Intake | Material | | Silicon-Chromium Steel | | |
| | Overall length | | 4.84 | | |
| | Actual overall head dia. | | 1.94 | | |
| | Angle of seat | | 45° | | |
| | Seat insert material | | --- | | |
| | Stem diameter | | .372 | | |
| | Stem to guide clearance | | .002 | | |
| | Lift | | .381 | | .431 |
| | Outer spring press. and length | Valve closed (lb. @ in.) | 72 at 1.69 | | 58 - 63 at 1.65 |
| | | Valve open (lb. @ in.) | 166 at 1.31 | | 156 - 161 at 1.218 |
| | Inner spring press. and length | Valve closed (lb. @ in.) | --- | | 26 - 30 at 1.531 |
| | | Valve open (lb. @ in.) | --- | | 64 - 69 at 1.093 |
| Exhaust | Material | | 21-4N - Nitrogen Treated Manganese Chromium Nickel Steel | | |
| | Overall length | | 4.86 | | |
| | Actual overall head dia. | | 1.75 | | |
| | Angle of seat | | 45° | | |
| | Seat insert material | | --- | | |
| | Stem diameter | | .372 | | |
| | Stem to guide clearance | | .003 | | |
| | Lift | | .357 | | .413 |
| | Outer spring press. and length | Valve closed (lb. @ in.) | 72 at 1.69 | | 58 - 63 at 1.65 |
| | | Valve open (lb. @ in.) | 166 at 1.31 | | 156 - 161 at 1.218 |
| | Inner spring press. and length | Valve closed (lb. @ in.) | --- | | 26 - 30 at 1.531 |
| | | Valve open (lb. @ in.) | --- | | 64 - 69 at 1.093 |

| | | |
|---|---|---|
| **ENGINE—LUBRICATION SYSTEM** | | |
| Type of lubrication (splash, pressure, nozzle) | Main bearings | Pressure |
| | Connecting rods | Pressure |
| | Piston pins | Metered Spray |
| | Camshaft bearings | Pressure |
| | Tappets | Pressure |
| | Timing gear or chain | Metered Flow |
| | Cylinder walls | Metered Spray |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire



**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## ENGINE—LUBRICATION SYSTEM (cont.)

| | |
|---|---|
| Oil pump type | Rotary |
| Normal oil pressure (lb. @ rpm) | 50 - 65 at 1500 |
| Oil pressure gage type (electric or mechanical) | Mechanical |
| Type oil intake (floating, stationary) | Floating |
| Oil filter type (full flow, partial flow) | Shunt Type Replaceable Element |
| Capacity of crankcase, less filter—refill (qt.) | Four |
| Oil grade recommended (SAE viscosity and temperature range) | Not Lower than +32° F - SAE 30<br>As Low As +10° F - SAE 20W<br>As Low As -10° F - SAE 10W<br>Below -10° F - SAE 5W |
| Oil type recommended | Per A. P. I. Classification |

## ENGINE—FUEL SYSTEM

| | | | | | |
|---|---|---|---|---|---|
| Recommended fuel | Standard head | | Regular | Premium | |
| | Optional head | | --- | | |
| Fuel Tank | Capacity (gals.) | | 21 | | |
| | Filler Location | | Right Rear Fender | | |
| Fuel Filter | Type | | Oilite | Oilite - Ceramic | (b) |
| | Location | | Fuel Tank | Fuel Tank - Carburetor | |
| Fuel pump | Type (elec. or mech.) | | Mechanical | | |
| | Location | | Right Front of Engine | | |
| | Pressure range | | 5.0 to 6.5 lb | | |
| | Vacuum booster (std., opti., none) | | None | | |
| Carburetor | Make | | Ball & Ball | Carter | |
| | Model number | | BBD 2308 S | (x) WCFB 2311 SA | (c) |
| | Number used | | One | | Two |
| | Type | Downdraft, side inlet, other | Downdraft | | |
| | | Single or dual | Dual | 4-Barrel | |
| | Intake manifold heat control (manual, auto., none) | | Automatic | | |
| | Automatic choke type (integral, other) | | Integral | | |
| | Air cleaner type | Standard | Oil Bath | | Oil Bath (d) |
| | | Optional | --- | | |

## ENGINE—EXHAUST SYSTEM

| | | | |
|---|---|---|---|
| Type (single, single with cross-over, dual, other) | | Single with Cross-Over (a) | Dual |
| Muffler type (rev. flow, str. thru, sep.resonator) | | Reverse Flow | |
| Exhaust pipe dia. | Branch | 1-7/8 | --- |
| | Main | 2-1/2 | 2 |
| Tail pipe diameter | | 2 | 1-3/4 |

(x) Revised 3-1-56; S-24 Adventurer added.
(a) Dual Exhaust Special Equipment.
(b) Plastic or Oilite - Ceramic.
(c) WCFB 2476 S (front) and WCFB 2445 S (rear)
(d) Two Air Cleaners Used.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## ENGINE—COOLING SYSTEM (A)

| | | | | | |
|---|---|---|---|---|---|
| Type (pressure system, atmospheric, other) | | | Pressure-Vent | | |
| Radiator cap relief valve press. | | | 7 (a) | | |
| Circulation thermostat | Type (choke, bypass) | | Bellows, Controlled By-Pass (b) | | |
| | Starts to open at | | 160° - 165° | | |
| Water pump | Type (centrifugal, other) | | Centrifugal | | |
| | Number of pumps | | One | | |
| | Drive (V-belt, other) | | V-Belt | | |
| | Bearing type | | Shaft Bearings | | |
| By-pass recirculation type (internal, external) | | | External | | |
| Radiator core type (cellular, tube and fin) | | | Cellular | Fin and Tube | |
| Cooling system capacity | With heater (qt.) | | 24 | | |
| | Without heater (qt.) | | 23 | | |
| Water jackets full length of cylinder (yes, no) | | | Yes | | |
| Water all around cylinder (yes, no) | | | Yes | | |
| Radiator hose | Lower | Number and type (molded, straight) | One, Molded | | |
| | | Inside diameter and length | 1.8, Curved | | |
| | Upper | Number and type (molded, straight) | One, Molded | | |
| | | Inside diameter and length | 1.8, Curved | | |
| | By-pass | Number and type (molded, straight) | One, Molded | | |
| | | Inside diameter and length | 1.2, Curved | | |
| Drive belts | Fan | Number used | 2 (g) | | |
| | | Angle of V | 36° 30' | | |
| | | Outside length | 38.00" (c) | | |
| | | Width | .380 | | |
| | Generator | Angle of V | 36° 30' | | |
| | | Outside length | 42.50" (d) | | |
| | | Width | .380 | | |
| Fan | Number of blades and spacing | | Six - 60°, 45°, 75° | | |
| | Diameter | | 17" (f) | | |
| | Ratio—fan to crankshaft revolutions | | .85 (e) | | |
| | Bearing type | | See Water Pump | | |

(x) Revised 3-1-56; S-24 Adventurer added.

(A) With Air Conditioning the following data apply:

(a) 14 psi
(b) Pellet Thermostat
(c) 41.0"
(d) 77.25"
(e) .95
(f) 18"
(g) Three drive belts (also for Power Steering only and for Power Steering and Air Conditioning).

# AMA Consolidated Specification Questionnaire

MAKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## ELECTRICAL—SUPPLY SYSTEM

| | | | |
|---|---|---|---|
| Battery | Make and Model | | Auto-Lite 11-HS-60 or Willard HO-11-60 |
| | Voltage Rtg. & Plates/cell | | 12 V, 11 |
| | SAE Designation & Amp Hr. Rtg | | 2 SM - 60 |
| | Location | | Under Hood, Left Side |
| | Terminal grounded | | Negative |
| Generator | Make | | Auto-Lite |
| | Model | | GJC-7002 |
| | Type | | Shunt Wound |
| | Ratio—Gen. to Cr/s rev. | | 2.1 |
| Regulator | Make | | Auto-Lite |
| | Model | | VRX-6201-A |
| | Type | | Current and Voltage Control |
| | Cutout relay | Closing voltage @ generator rpm | 13.0 - 13.8 at 1300 |
| | | Reverse current to open | Contact opens at 0 to 6 amp discharge at 8.2 to 9.3 volts after 10 amp. charge |
| | Regulated | Voltage | 14.28 - 14.88 |
| | | Current | 30 - 40 |
| | Min. Gen. rpm required | | 1300 for Cut-In; 2300 for Max. (Hot) |
| | Voltage test conditions | Temperature | 70° F |
| | | Load | Run 15 min. at 7 amp. - Voltage Regulator Check |
| | | Other | Additional 15 min. at Rated Output - Current Regulator Check |

## ELECTRICAL—STARTING SYSTEM

| | | | |
|---|---|---|---|
| Starting motor | Make | | Auto-Lite |
| | Model | | MDF-6001 |
| | Rotation (drive end view) | | Clockwise |
| | Engine cranking speed | | 35 to 150 rpm |
| | Test conditions | | SAE 5W at -20° F and SAE 30 with warmed engine |
| | Lock test | Amps | 240 |
| | | Volts | 4 |
| | | Torque (lb. ft.) | 6.5 |
| | No load test | Amps | 60 |
| | | Volts | 10 |
| | | RPM (min.) | 3200 |
| Motor control | Switch (solenoid, manual) | | Solenoid, Positive Engagement |
| | Starting procedure | | Depress accelerator pedal about one-third and turn ignition key beyond "Ignition On" position. |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|

## ELECTRICAL—STARTING SYSTEM (cont.)

| | | | |
|---|---|---|---|
| Motor drive | Engagement type | | Solenoid Shift, Positive Engagement |
| | Pinion meshes (front, rear) | | Front |
| | Number of teeth | Pinion | 9 |
| | | Flywheel | 146 |
| | Flywheel tooth face width | | .375 |

## ELECTRICAL—IGNITION SYSTEM

| | | | | | |
|---|---|---|---|---|---|
| Coil | Make | | Auto-Lite | | |
| | Model | | CAD-4002 | | |
| | Amps | Engine stopped | 3.1 | | |
| | | Engine idling | 2.5 | | |
| Distributor | Make | | Auto-Lite | | |
| | Model | | IBJ-4302-A | IBJ-4302 | IBK-4303 |
| | Spark advance data (at distributor shaft) | Centr. advance start (rpm) | 300 - 400 | | |
| | | Centr. advance max. deg. @ rpm | 5°-7° at 800 | 7.5°-9.5° at 2200 | 7°-9° at 700 |
| | | Vacuum advance start (in. Hg.) | 5.5"-6.5" hg. | 5.5"-6.7" hg.(a) | 7"-8" hg. |
| | | Vac. adv. (max. deg. @ in. Hg.) | 10.5°-12.5° at 15" hg. | 11.5° to 13.5° at 15" hg. (a) | 10.5° to 12.5° at 17.5" hg. |
| | Breaker gap (in.) | | .017 | | |
| | Cam angle (deg.) | | 29° - 32° | | |
| | Breaker arm tension (oz.) | | 17 - 20 | | |
| Timing | C/S deg. @ rpm | | 8° BTC | 4° BTC | 6° BTC |
| | Mark location | | Crankshaft Vibration Damper | | |
| | Cylinder numbering system (see page 2) | | Left: 1-3-5-7<br>Right: 2-4-6-8 | | |
| | Firing order (see page 2) | | 1-8-4-3-6-5-7-2 | | |
| Spark plug | Make and model | | Auto-Lite Resistor | | |
| | | | AR-51 | AR-52 | AR-31 or AS-250 |
| | Thread (mm) | | 14 | | |
| | Tightening torque (lb. ft.) | | 30 - 32 | | |
| | Gap | | .035 | | |
| Cable | Conductor type | | Stranded Copper | | |
| | Insulation type | | Rubber with Neoprene Jacket | | |
| | Spark plug protector | | Enclosed Tubes, Covered | | |

## ELECTRICAL—SUPPRESSION

| | |
|---|---|
| Description | Spark Plugs - 10,000 OHM Resistor (Integral)<br>Distributor - 10,000 OHM Resistor (Integral) |

(x) Revised 3-1-56; S-24 Adventurer added.

(a) For Early Cars Only. Later Cars - Vac. Adv. at Start 7"-8" hg.; Max. Vac. Adv. 10.5°-12.5° at 17.5" hg.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## ELECTRICAL—INSTRUMENTS AND SWITCHES

| | | |
|---|---|---|
| Speedometer | Make | Auto-Lite |
| | Trip odometer (yes, no) | No |
| Charge indicator—type | | Ammeter |
| Temperature indicator—type | | Electric, Magnetic |
| Oil pressure indicator—type | | Bourdon, Tube |
| Fuel indicator—type | | Electric, Magnetic |
| Ignition switch | Identify positions in order and circuits controlled | Center Position - Off<br>1st Position Clockwise - All Circuits On.<br>2nd Position Clockwise - Ignition and Starter Circuit Only.<br>1st Position Counterclockwise - Accessory Circuit Only |
| | Provision for illumination | Yes |
| | Location | Right of Steering Column |
| | Theft protection type | None |
| Main lighting switch | Identify positions and lights controlled | Left Position - Off<br>1st Position Clockwise - Instrument, Tail, Parking, Ignition Switch and License Plate Lamp.<br>2nd Position Clockwise - Instrument, Tail, Head and License Plate Lamps. |
| Other light switches | Locations and lamps controlled | Instrument Lamp Switch - Left of Steering Column on Instrument Panel concentric with head lamp switch, variable all instruments; Stop Lamp Switch - in Master Cylinder; Dome Lamp - automatic on all four doors, manual on left "B" post; Map Lamp Switch in lamp; Direction Signal Switch - Steering Column below wheel. |
| Other switches | Locations and devices controlled | Windshield Wiper Switch - Rotary, variable speed, left of steering column.<br>Heater and Defroster Switch - 2-Speed, concentric, right side of steering column. |
| Windshield wiper | Make | Auto-Lite |
| | Type | Electric |
| | Vacuum booster provision | None |
| | Washer provision | None |
| Horn | Type | Air Note - Sea Shell |
| | Number used | 2 |
| | Amp draw (each) | 9 |

(x) Revised 3-1-56; S-24 Adventurer added.

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**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-4030.
Indicate accessories which are not standard equipment by an asterisk following the numbers.

| | | | | |
|---|---|---|---|---|
| Headlamp | | 2 - 5400 | | |
| Headlamp beam indicator | | 1 - 57 | | |
| Parking light | | 2 - 1034 | | |
| Tail light | | 2 - 67 | | |
| Stop light | | 2 - 1034 | | |
| Direction indicator | Front | 2 - 1034 | | |
| | Rear | 2 - 1034 | | |
| | Tell-Tale | 2 - 57 | | |
| License plate light | | 2 - 67 | | |
| Instrument light | | 4 - 57 | | |
| Ignition lock light | | 1 - 57 | | |
| Map light | | 1 - 1004 | | |
| Dome light | | 1 - 1004 | | |
| Clock light | | 1 - 57* | | |
| Radio dial light | | 2 - 47* | | |
| Glove compartment light | | --- | | |
| Courtesy light | | 2 - 1004 | | |
| Trunk compartment light | | 1 - 1003 | | |
| Other | | | | |
| Push Button Trans. Control Light | 1 - 57* | | 1 - 57 | |
| Back-Up Light | | 2 - 1141 | | |
| Underhood Light | | 1 - 1003* | | |

## 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 light: SFE-10 (a), Direction indicator: same as (a).

| | |
|---|---|
| Headlamp | 15 CB (a) |
| Headlamp beam indicator | Same as (a) |
| Parking light | 6 CB (b) |
| Tail light | Same as (b) |
| Stop light | 6 CB (c) |
| Direction indicator | --- |
| License plate light | Same as (b) |
| Instrument light | Same as (b) |
| Ignition light | Same as (b) |
| Map light | Same as (c) |
| Dome light | Same as (c) |
| Clock | Internally Protected |
| Clock light | Same as (b) |
| Radio | 9 SFE |
| Glove compartment light | Same as (c) |
| Courtesy light | Same as (c) |
| Trunk compartment light | Same as (c) |
| Other | |
| Windshield Wiper | 15 CB (d) |
| Back-Up Light | Same as (d) |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **DRIVE UNITS—CLUTCH (PEDAL OPERATED)** | | | | | |
| Make | | | Borg and Beck | --- | |
| Type (dry or wet plate) | | | Dry | --- | |
| In combination with fluid coupling (yes, no) | | | No | --- | |
| Semi-centrifugal (yes, no) | | | No | --- | |
| Type pressure plate springs | | | Coil | --- | |
| Total plate pressure (lb.) | | | 1962 | --- | |
| No. of clutch driven discs | | | One | --- | |
| Clutch facing | Material | | Molded, Woven, Asbestos | --- | |
| | Inside diameter | | 6 | --- | |
| | Outside diameter | | 10 | --- | |
| | Total eff. area (sq. in.) | | 100.5 | --- | |
| | Thickness | | .125 | --- | |
| | Number required | | Two | --- | |
| | Engagement cushioning method | | Springs, Flat, Crimped | --- | |
| | Release bearing | Type | Ball | --- | |
| | | Method of lubrication | Sealed | --- | |
| | Torsional damping | Method (springs, other) | Coil Springs | --- | |
| | | Frict. mat. | --- | --- | |
| **DRIVE UNITS—TRANSMISSIONS** | | | | | |
| Conventional (std. or opt.) | | | Standard | --- | |
| Conventional with overdrive (std. or opt.) | | | Optional | --- | |
| Automatic (std. or opt.) | | | Optional | Standard | |
| **DRIVE UNITS—CONVENTIONAL TRANSMISSION** | | | | | |
| Number of forward speeds | | | 3 | --- | |
| Transmission ratios | In first | | 2.50 | --- | |
| | In second | | 1.68 | --- | |
| | In third | | 1.00 | --- | |
| | In fourth | | --- | --- | |
| | In reverse | | 3.20 | --- | |
| Constant mesh gears in 2nd (yes, no) | | | Yes | --- | |
| Spur gear used in (indicate speeds) | | | None | --- | |
| Helical gears used in (indicate speeds) | | | All Speeds | --- | |
| Synchronous meshing in 2nd and 3rd gears (yes, no) | | | Yes | --- | |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|

## DRIVE UNITS—CONVENTIONAL TRANSMISSION (cont.)

| | | | | | |
|---|---|---|---|---|---|
| Lubricant | Capacity (pt.) | | 2-3/4 | --- | |
| | Type recommended | | Engine Oil | --- | |
| | SAE viscosity number | Summer | 10W | --- | |
| | | Winter | 10W | --- | |
| | | Extreme cold | 10W | --- | |

## DRIVE UNITS—CONVENTIONAL TRANSMISSION WITH OVERDRIVE

For transmission data see conventional transmission section

| | | | | | |
|---|---|---|---|---|---|
| Overdrive | Type (planetary or other) | | | Planetary | --- |
| | If planetary, No. of pinions | | | Three | --- |
| | Manual lockout (yes, no) | | | Yes | --- |
| | Downshift accelerator control (yes, no) | | | Yes | --- |
| | Minimum cut-in speed | | | 28 | --- |
| | Gear ratio | | | 0.7 | --- |
| | Lubricant | Capacity (O.D. only) | | 3/4 Pint | --- |
| | | Separate filter (yes, no) | | No | --- |
| | | Type recommended | | Engine Oil | --- |
| | | SAE viscosity number | Summer | 10W | --- |
| | | | Winter | 10W | --- |
| | | | Ext. cold | 10W | --- |

## DRIVE UNITS—AUTOMATIC TRANSMISSION

| | |
|---|---|
| Trade name | PowerFlite |
| Type (fluid coupling with gears, torque convertor with gears, other) | Torque Converter with Gears |
| Manual selector positions, left to right (show symbols and define, e.g., N- Neutral) | Neutral [N] Reverse [R] [D] Drive [L] Low |
| List gear ratios in each drive position (range) | R - Reverse - 2.39<br>N - Neutral - ---<br>D - Drive - 1.72 and 1.00<br>L - Low - 1.72 |
| Shifting within drive position range by accelerator control and speed limiting governor (yes, no) | Yes |
| By governor—forced shift (yes, no) | Yes |
| Downshift of gears in high range possible up to (mph) | 55 |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **DRIVE UNITS—AUTOMATIC TRANSMISSION (cont.)** | | | | | |
| Torque convertor | Number of elements | | Three | | |
| | Max. ratio at stall at engine rpm | | 2.6 at 1650 | 2.7 at 1930 | |
| | Mechanical lockup | Provided (yes, no) | No | | |
| | | Speed range | --- | | |
| | | Releases at (speed range, mph) | --- | | |
| | Type of cooling (forced air, oil cooler and type, other) | | Air | Water | |
| | Anti-creep device (yes, no) | | No | | |
| Lubricant | Capacity—refill (pt.) | | 20 Pints | | |
| | Type recommended | | Automatic Transmission Fluid, "Type A" | | |
| | Grade | Summer | --- | | |
| | | Winter | --- | | |
| | | Extreme cold | --- | | |

## DRIVE UNITS—PROPELLER SHAFT

| | | | | | |
|---|---|---|---|---|---|
| Number used | | | 3 | | 1 |
| Type (exposed, torque tube) | | | Exposed | | |
| Outer diameter x length* x wall thickness | Conventional trans. | | 3.5 x 59.72 x .065 | --- | |
| | Overdrive trans. | | 3.5 x 59.72 x .065 | --- | |
| | Automatic trans. | | 3.25 x 59.72 x .065 | 3.25 x 59.41 x .065 | 3.50 x 59.41 x .065 |
| Intermediate bearing | Type (plain, anti-friction) | | --- | | |
| | Lubri. (fitting, prepack) | | --- | | |
| Universal joints | Make | | Universal Products | | |
| | Number used | | 2 | | |
| | Type (ball and trunnion, cross, other) | | Front - Ball and Trunnion<br>Rear - Cross | | |
| | Bearing | Type (plain, anti-friction) | Anti-Friction | | |
| | | Lubric. (fitting, prepack) | Prepack | | |
| Drive taken through (torque tube or arms, spring) | | | Rear Springs | | |
| Torque taken through (torque tube or arms, springs) | | | Rear Springs | | |

*Centerline to centerline of joints or centerline of rear attachment point.

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

MAKE OF CAR: DESOTO  MODEL YEAR: 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **DRIVE UNITS—REAR AXLE** | | | | | |
| Type (semi-floating, other) | | | Semi-Floating | | |
| Gear type (hypoid, other) | | | Hypoid | | |
| Gear ratio and No. of teeth | Conventional trans. | | 3.9 (39-10) | --- | |
| | Overdrive trans. | | 4.3 (43-10) | --- | |
| | Automatic trans. | | 3.73 (41-11) | 3.54 (39-11) | (a) |
| Pinion adjustment (shim, other) | | | Solid Shim | | |
| Pinion bearing adj. (shim, other) | | | Shims | Solid Shims | |
| Lubricant | Capacity (pt.) | | 3.25 | 3.5 | |
| | Type recommended | | Multi-Purpose Hypoid Gear Lubricant | | |
| | SAE viscosity number | Summer | SAE 90 | | |
| | | Winter | SAE 90 | | |
| | | Extreme cold | SAE 80 | | |
| **DRIVE UNITS—WHEELS** | | | | | |
| Type (disc, other) | | | Disc | | |
| Rim (size and flange type) | | | 15 x 5-1/2 K | | |
| Attachment | Type (bolt or stud) | | Front - Stud, Rear - Bolt | Stud | |
| | Circle diameter | | 4.5 | | |
| | Number and size | | 5, 1/2 - 20 Am. Nat. Thd. | | |
| **DRIVE UNITS—TIRES** | | | | | |
| Size and ply rating | Standard | | 7.60 x 15 (Tubeless) 4 Ply | (b) | |
| | Optional | | 7.60 x 15 (Tubeless) 6 Ply | --- | |
| Rev/mile at 30 mph | | | 728 | | |
| Inflation press. (cold) | Front | | 24 | | |
| | Rear | | 24 | | |
| **BRAKES—SERVICE** | | | | | |
| Type | | | Hydraulic - Internal Expanding Drum | | |
| Booster type | | | Vacuum - at extra cost | Vacuum | |
| Effective area (sq. in.) | | | 251 | | |
| Percent brake effectiveness—rear | | | 40 | | |
| Drum | Diameter | Front | 12 | | |
| | | Rear | 12 | | |
| | Type and material | | Composite | | |

(x) Revised 3-1-56; S-24 Adventurer added.

(a) 3.07 (43-13), 3.36 (37-11), 3.54 (39-11), 3.73 (41-11), 3.91 (43-11)

(b) 7.60 x 15 Tubeless, 4-Ply Nylon WSW.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BRAKES—SERVICE (cont.)

| | | | | | | |
|---|---|---|---|---|---|---|
| Brake lining | Bonded or riveted | | | | Bonded | |
| | Primary | Material | | | Molded Asbestos | |
| | | Size (length x width x thickness) | Front wheel | | 12.57 x 2.5 x .20 | |
| | | | Rear wheel | | 12.57 x 2.5 x .20 | |
| | | Segments per shoe | | | One | |
| | Secondary | Material | | | Molded Asbestos | |
| | | Size (length width x thickness) | Front wheel | | 12.57 x 2.5 x .20 | |
| | | | Rear wheel | | 12.57 x 2.5 x .20 | |
| | | Segments per shoe | | | One | |
| Wheel cylinder bore | Front | | | | 1.12 | |
| | Rear | | | | 1.12 | |
| Master cylinder bore | | | | | 1.12 | |
| Available pedal travel | | | | | 7 | |
| Line pressure at 100 lb. pedal load | | | | | 750 (a) | 1100 |
| Shoe clearance adjustment | | | | | No Major Adjustment Required | |

## BRAKES—PARKING

| | | | |
|---|---|---|---|
| Type of control | | T-Handle, Multiple Pawl Ratchet | |
| Location of control | | Under Instrument Panel, Left of Steering Column | |
| Operates on | | Rear of Transmission | |
| If separate from service brakes | Type (internal or external) | External (b) | Internal |
| | Drum diameter | 6 (b) | |
| | Lining size (length x width x thickness) | 15.38 x 2 x .16 (b) | 13.06 x 2 x .16 |

## FRAME

| | |
|---|---|
| Type and description | Welded, Double Channel Box Section Side Rails, Lateral Cross Section. |

## FRONT SUSPENSION

| | |
|---|---|
| Type and description | Independent, Lateral Non-Parallel Control Arms with Coil Springs. |

(x) Revised 3-1-56; S-24 Adventurer added.

(a) With Power Brakes - 1100 psi

(b) With PowerFlite, a 7 inch internal parking brake with lining of 13.06 x 2 x .20 is used.

# AMA Consolidated Specification Questionnaire

MAKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## FRONT SUSPENSION (cont.)

| | | | |
|---|---|---|---|
| | Type | Coil | |
| | Material | Chrome Steel | |
| Spring | Size (length x width x No. leaves or coil I.D.) | 4" I. D. | |
| | Spring rate (lb. per in.) | 480 | N/A |
| | Rate at wheel (lb. per in.) | N/A | 629 to 671 |
| | Normal load (lb. @ rated length) | Right - 2190 at 11"<br>Left - 2285 at 11" | Right - 2000 at 11"<br>Left - 2125 at 11" |
| Shock absorbers | Manufacturer | Own | |
| | Type (direct or lever) | Direct | |
| | Piston diameter | One | |
| Stabilizer | Type (link, linkless, frameless) | Linkless | |
| | Material | Steel | |

## STEERING

| | | | | |
|---|---|---|---|---|
| Type used (Standard or optional) | | Mechanical | | Standard |
| | | Power | | Optional |
| Wheel diameter | | | | 18 |
| Turning diameter | Outside front | Wall to wall (r. & l.) | | 46' 4" |
| | | Curb to curb (r. & l.) | | 43' 9" |
| | Inside rear | Wall to wall (r. & l.) | | 25' 9" |
| | | Curb to curb (r. & l.) | | 26' 8" |
| Inside wheel angle with outside wheel at 20° | | | | N/A |
| Mechanical | Gear | Type | | Worm and Three-Tooth Roller |
| | | Make | | Gemmer |
| | | Ratios | Gear | 20.4 |
| | | | Overall | 30.9 |
| | No. wheel turns | | | 5.5 |
| Power | Type | | | Integral "Coaxial" |
| | Make | | | Own |
| | Trade name | | | Full Time Power Steering |
| | Gear | Type | | Rack and Sector and Recirculating Ball Nut |
| | | Ratios | Gear | 16.2 |
| | | | Overall | 20.3 |
| | Pump driven by | | | Generator |
| | Overall torque ratio | | | N/A |
| | Number wheel turns | | | 3.5 |
| Linkage | Type | | | Symmetrical Idler Arm, Equal Length Tie Rods |
| | Location (front or rear of wheels) | | | Rear |
| | Drag link (trans. or long)<br>Tie rods (one or two) | | | Transverse<br>Two |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | | | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|---|---|
| **STEERING (cont.)** | | | | | |
| Kingpin | Inclination at camber (deg.) | | 5.5° at 0° | | |
| | Diameter | | .795 | | |
| | Bearings (type) | Upper | Roller | | |
| | | Lower | Steel Backed, Lead Bronze | | Roller (b) |
| | | Thrust | Ball | | |
| Wheel alignment (range and preferred) | Caster (deg.) | | -2° to 0° | -2° Preferred with Manual Steering<br>0° Preferred with Power Steering (a) | |
| | Camber (deg.) | | 1/4° ± 3/8° | Preferred Left - +1/2°<br>Right - 0° | |
| | Toe-in (outside tread-inches) | | 1/8" Preferred | | |
| Steering knuckle type | | | Elliott Type | | |
| Wheel spindle | Diameter | Inner bearing | 1.25 | | |
| | | Outer bearing | .75 | | |
| | Thread size | | 3/4 - 16 Am. Nat. Thd. | | |
| | Bearing type | | Tapered Roller | | |

## REAR SUSPENSION

| | | | | | |
|---|---|---|---|---|---|
| Type | | | Parallel, Longitudinal Leaf | | |
| Drive and torq. taken through (see page 14) | | | Rear Springs | | |
| Spring | Type | | Semi-Elliptic | | |
| | Material | | Chromium Alloy Steel | | |
| | Size (length x width x No. leaves or coil I.D.) | | 55 x 2.5 x 5 | 55 x 2.5 x 6 | |
| | Spring rate (lb. per in.) | | 90 | | --- |
| | Rate at wheel (lb. per in.) | | N/A | | 115 to 125 |
| | Normal load (lb. at rated length) | | 880 at -.38 Opening | 920 at -.38 Opening | 840 at -.38 Opening |
| | Mounting insulation type | | Rubber Bushing | | |
| | If leaf | No. of leaves | 5 | 6 | |
| | | Covers (yes, no) | No | | |
| | | Lubricated (yes, no) | No | | |
| | | Inserts Type and size | 2.5 x 3.5 | | |
| | | Inserts Material | Wax Impregnated Material | | |
| | | Shackle (comp. or tens.) | Compression | | |
| Shock absorbers | Manufacturer | | Own | | |
| | Type (direct or lever) | | Direct | | |
| | Piston diameter | | 1 | | |
| Stabilizer | Type (link, linkless, frameless) | | None | | |
| | Material | | --- | | |
| Track bar type | | | None | | |

(x) Revised 3-1-56; S-24 Adventurer added.

(a) Any difference in caster between left and right wheels should make the left side 0° to 3/4° more negative caster than the right side.

(b) When Power Steering is used, the lower bearing is a steel-backed, lead-bronze bushing.

# AMA Consolidated Specification Questionnaire

AKE OF CAR DESOTO MODEL YEAR 1956

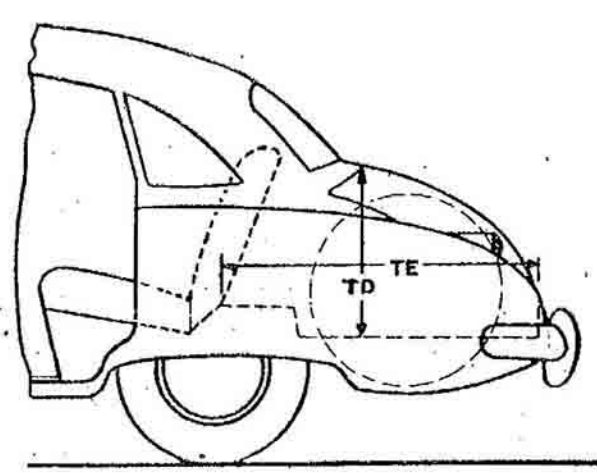
## BODY—GENERAL DEFINITIONS

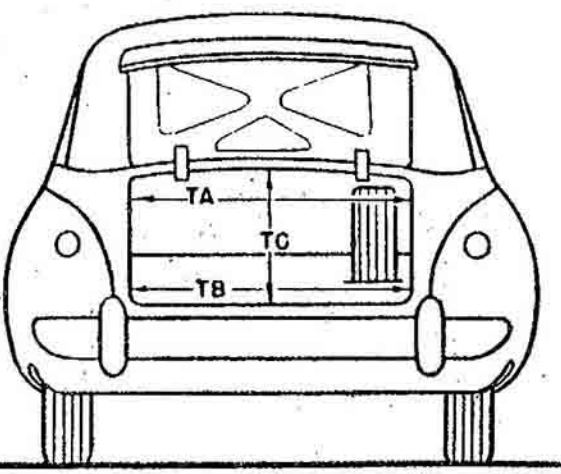
NOTE: Included in the dimension definitions listed on this and the following pages are those which have been proposed for adoption by the SAE. These are indicated by a number following the type of dimension, e.g., L 3. Additional dimensions have been added by the AMA Specifications Body Sub-Committee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. The dimensions are developed from the following basic points:

1. Front and rear seat "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
2. Front seat is in the rear position.
3. Loaded position—5 passengers, front 300 lb., rear 450 lb., includes spare wheel, tire and tools, and full complement of gas, oil, water, etc. and tires to recommended pressure, etc.
4. C. L. (centerline).
5. D. L. O. (daylight opening, exposed glass dimension).
6. Ramp breakover angle (page 20-A) is the supplement of the included ramp angle (180° minus the included ramp angle) over which a car can pass without hanging up.

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BODY—TRUNK OPENING DIMENSIONS




| | | |
|---|---|---|
| TA—Width across the top | 60.3 | |
| TB—Width across the bottom | 55.0 | |
| TC—Diagonal dimension at CL from top of opening to bottom | 32.5 | 37.4 |
| TD—Vertical height of opening (floor to top, inside edge of opening) | 22.0 | 22.5 |
| TE-Max. horizontal depth (forward from vertical projection of inside edge of opening) | 57.4 | 63.4 |
| Position of spare tire stowage | Right Hand Side - Inclined | |
| Method of holding lid open | Torsion Bar | |

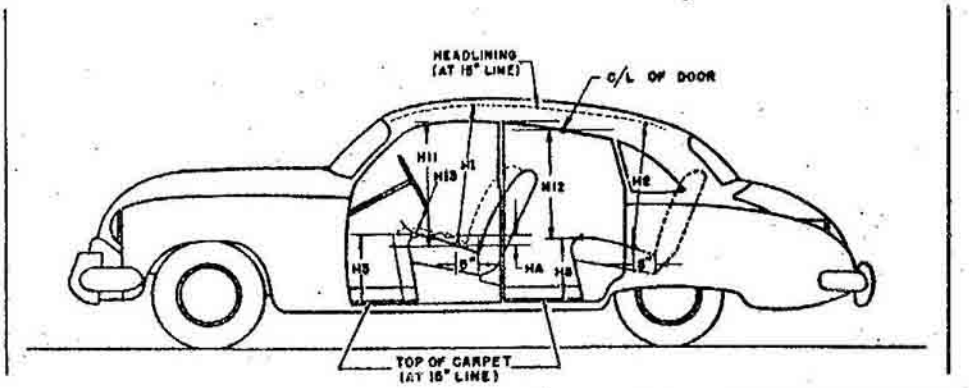
(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BODY—HEIGHT DIMENSIONS—INTERIOR




| | | |
|---|---|---|
| **H1.** Front headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. (For "A" pt. see note 1, page 19) | 35.1 | 34.6 |
| **H2.** Rear headroom—from "A" pt. to headlining at 8° back of vertical on 15" line. | 34.5 | 34.0 |
| **H3.** Front seat height to floor carpet on 15" line (front edge of cushion). | 13.3 | |
| **H8.** Rear seat height to floor carpet on 15" line (front edge of cushion). | 13.7 | |
| **H11.** Entrance—front—cushion "A" point to bottom windcord vertical. | 29.5 | 29.0 |
| **H12.** Entrance—rear—top of cushion to bottom windcord vertical at C/L of rear door. | 27.0 | |
| **H13.** Steering wheel clearance to seat cushion taken on arc. | 5.3 | 5.4 |
| **HA.** Front seat vertical rise at "A" pt. (inches.) | 1.1 | |

(x) Revised 3-1-56; S-24 Adventurer added.

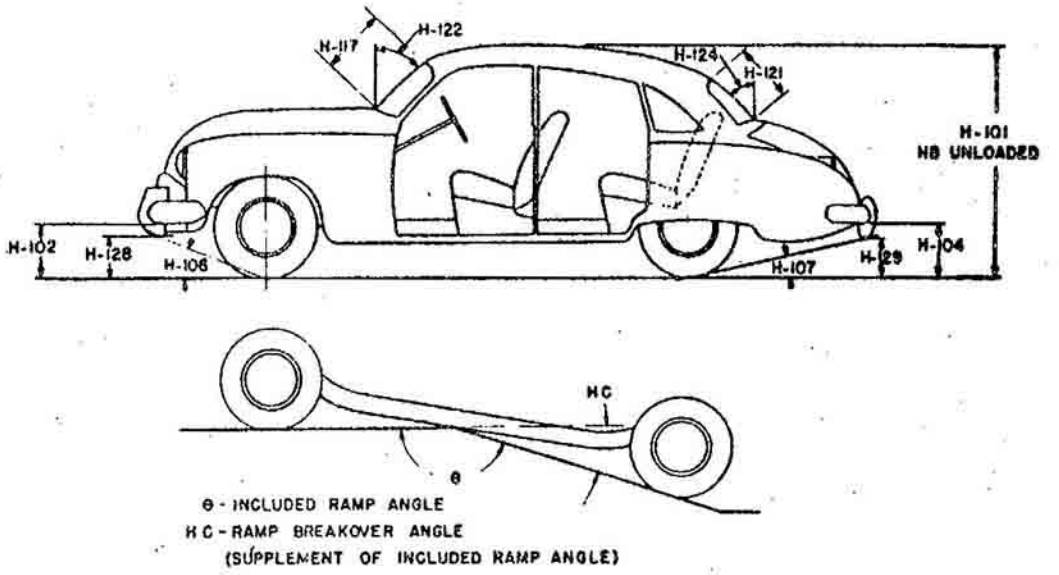
# AMA Consolidated Specification Questionnaire



**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BODY—HEIGHT DIMENSIONS—EXTERIOR




| | | | |
|---|---|---|---|
| **H101.** Overall height. | 60.6 | | 58.0 |
| **HB.** Overall height—unloaded. | 62.7 | | 60.1 |
| **H102.** Front bumper bottom to ground at normal section. | 12.8 | | 10.6 |
| **H104.** Rear bumper bottom to ground at normal section. | 11.8 | 11.7 | 9.8 |
| **H106.** Angle of approach—from the tire rolling radius to lowest point on front bumper or guard. | 19° | | N/A |
| **H107.** Angle of departure—from the tire rolling radius to lowest point on rear bumper or guard. | 11° | | N/A |
| **HC.** Ramp breakover angle.* | 12° | | N/A |
| **H117.** Windshield DLO-slant height. | 16.8 | | |
| **H121.** Backlight DLO*—Max., slant height. | 17.6 | | 18.8 |
| **H122.** Windshield slope angle to vertical line on car axis. | 47° | | |
| **H124.** Backlight slope angle to vertical line on car axis. | 51° | | 55° |
| **H128.** Ground to bottom of front bumper guard. | 18.1 | | 16.0 |
| **H129.** Ground to bottom of rear bumper guard. | 13.2 | 13.0 | 11.2 |
| **HD.** Min. road clearance (location and dimension). | 6.3 at Frame Side Member | 6.2 at Frame Side Member | 4.2 at Frame Side Member |
| **HE.** Min. road clearance at rear axle. | 8.4 | 8.2 | |

*See Notes, page 19. (x) Revised 3-1-56; S-24 Adventurer added.

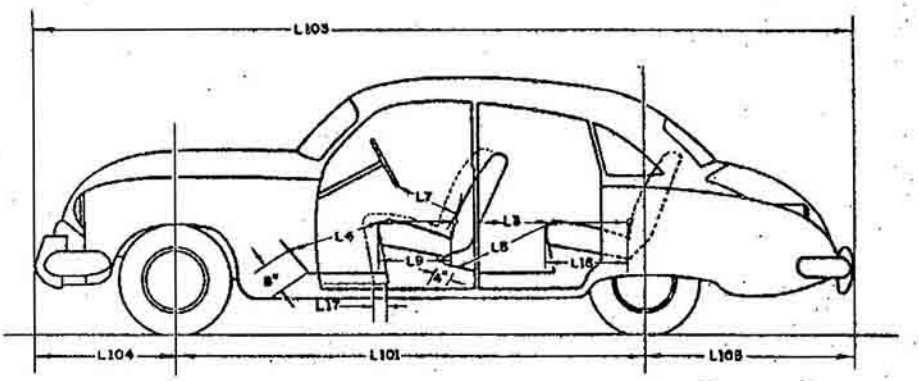
# AMA Consolidated Specification Questionnaire



**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| **MODEL** | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BODY—LENGTH DIMENSIONS




| | | | | |
|---|---|---|---|---|
| Interior | L3. Rear compartment back of front seat back to rear seat back. | 32.5 | | 29.2 |
| | L4. Leg room—front—diagonal—ball of foot to top of seat to front seat back—15" line. | 45.7 | | |
| | L5. Leg room—rear—diagonal—from ball of foot to top of rear seat cushion and to seat back. | 44.7 | | 41.6 |
| | L7. Steering wheel clearance to seat back taken on arc. | 15.8 | | |
| | L9. Front seat depth (front edge to vert. tan. to seat back on 15" line). | 18.1 | | |
| | L16. Depth of rear seat (front edge to seat back). | 17.8 | | |
| | L17. Total adjustment of front seat at floor. | 5.0 | | |
| Exterior | L101. Wheel base. | 126.0 | | |
| | L103. Overall length (bumper to bumper inc. guards). | 217.9 | | 220.9 |
| | L104. Overhang—front including bumper guards. | 36.6 | | |
| | L105. Overhang—rear including bumper guards. | 55.3 | | 58.3 |

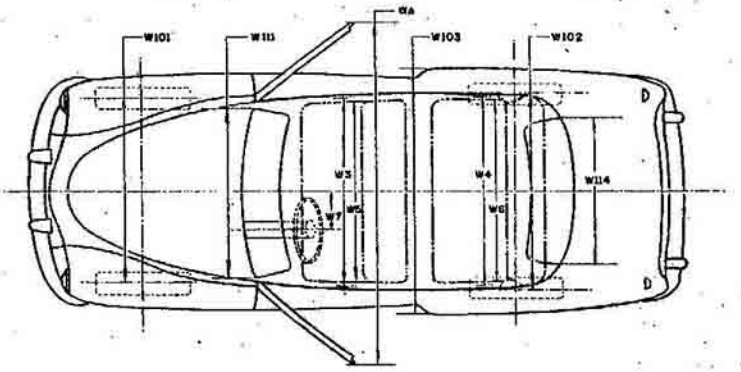
(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire

**MAKE OF CAR** DESOTO **MODEL YEAR** 1956

| MODEL | S-23 | S-24 | S-24 Adventurer (2-Door Hardtop) |
|---|---|---|---|

## BODY—WIDTH DIMENSIONS




| | | | | |
|---|---|---|---|---|
| Interior | **W3.** Front shoulder room, at garnish moulding height or nearest interference 5" forward of seat back. | 58.4 | | 58.5 |
| | **W4.** Rear shoulder room, at garnish moulding height or nearest interference 5" forward of seat back. | 58.4 | | 56.5 |
| | **W5.** Front hip room, at top of seat 5" forward of vert. tan. to seat back. | 63.3 | | 63.0 |
| | **W6.** Rear hip room, at top of seat 5" forward of vert. tan. to seat back. | 64.0 | | 55.0 |
| | **W7.** Steering wheel center to center of body. | 15.1 | | |
| Exterior | **W101.** Front tread at ground. | 60.4 | | |
| | **W102.** Rear tread at ground. | 59.6 | | |
| | **W103.** Max. overall width of car including bumpers or mouldings. | 78.3 | | |
| | **WA.** Max. overall width of car with doors open. | 153.0 | | 165.5 |
| | **W111.** Windshield DLO, max. width. | 62.0 | | |
| | **W114.** Back window DLO, max. width. | 60.5 | | |

(x) Revised 3-1-56; S-24 Adventurer added.

# AMA Consolidated Specification Questionnaire



AKE OF CAR DESOTO MODEL YEAR 1956

| MODEL | S-23 | S-24 | S-24 Adventurer |
|---|---|---|---|

## BODY—MISCELLANEOUS INFORMATION

| | | |
|---|---|---|
| Doors hinged (front, rear) | Front | Front |
| | Rear | Front |
| Type of finish (lacquer, enamel) | | Synthetic Enamel |
| Hood opening (front, side; semi-full, full, half) | | Front - Full |
| Hood counterbalanced (yes, no) | | Yes |
| Hood release control (internal, external) | | External |
| Vent window control method (crank, friction, pivot). | | Pivot |
| Windshield (one piece, two piece; curved, flat) | | One Piece, Curved - Double Wrap-Around |
| Rear window type (one piece, two piece, three piece; curved, flat) | | One Piece - Curved |
| Windshield glass area | | |
| Backlight glass area | | |
| Total glass area | | |

## BODY—TYPES AND STYLE NAMES

| Body type, number of passengers, and style names (use letter code shown below followed by passenger capacity and style name e.g., N-6 Ranchwagon) | | |
|---|---|---|
| | G-6 Four-Door Sedan | --- |
| | J-6 Seville | --- |
| | J-6 Sportsman | |
| | K-6 Seville | --- |
| | K-6 Sportsman | --- |
| | L-6 Convertible Coupe | --- |
| | P-6 Station Wagon | --- |
| | | |
| | | |

Body type code.

A—Coupe—2 door flatback
B—Coupe—2 door notchback
C—Sedan—2 door flatback
D—Sedan—2 door notchback
E—Sedan—4 door flatback (4 windows)
F—Sedan—4 door flatback (6 windows)
G—Sedan—4 door notchback (4 windows)
H—Sedan—4 door notchback (6 windows)
J—Hardtop—2 door
K—Hardtop—4 door
L—Convertible—2 door
M—Convertible—4 door
N—Station wagon—2 door
P—Station wagon—4 door
Q—Combined passenger and utility—2 door
R—Combined passenger and utility—4 door
S—Sedan delivery
T—Limousine

(x) Revised 3-1-56; S-24 Adventurer added.