

Automobile Manufacturers Association Consolidated Specification Questionnaire For 1950 Models Mechanical Details

Make of Car... **HUDSON** Model **500 PACEMAKER**
 Name of Maker... **HUDSON MOTOR CAR CO.** Address **12601 E. JEFFERSON AVE., DETROIT 14, MICH**
 Date... **OCT. 1, 1949**

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.

ENGINE

No. of cylinders 6
 Valve arrangement L-HEAD
 Bore 3.5625" Stroke 3.875"
 Cylinder head, cast iron or aluminum (OPT. ALUM.) **CAST IRON**
 Cylinder sleeve, Yes No NO
 Piston displacement 232 CU. IN.
 Taxable horsepower 30.4 H.P.

Horsepower rating—

To be based on actual performance corrected to 60°F. at sea level (barometric pressure 29.92 inches of mercury) with standard fuel. (Octane No. of fuel

—With Bare Engine—

Maximum brake hp. 112 at 4000 R.P.M.

—With Standard Accessories—

Maximum brake hp. at R.P.M.

*Those standard accessories needed for normal operation including fan, generator, starter, air cleaner, muffler, manifolds, fuel and water pumps.

Maximum torque—

With bare engine, lb. ft. 175 at 1600 R.P.M.

With standard accessories,* lb. ft. at R.P.M.

Compression Ratio—

Standard 6.7:1 Optional 7.2:1

Standard compression pressure —pounds—

At cranking speed

At what R.P.M.

PISTONS and RINGS

Piston

Make OWN
 Material A#132 LO. EX. ALUM. ALLOY
 Features—split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, porous chrome plate, etc. CAM GROUND
 Weight—ounces—without rings, pin or bushing 18-3/8±1/8 OZ.
 Length 3.75"
 Clearance—
 Top land017" to020"
 Skirt, top .00125"-.00225" bottom. .0005"-.001"

PISTONS and RINGS (cont'd)

Piston ring groove depth—
 Oil195" Compression195"
 No. of oil rings used per piston 2
 Width of oil rings UPPER .1875" LOWER .156"
 Width of oil ring gap006"-.014"
 No. of compression rings used per piston 2
 Width of compression rings078"
 Width of compression ring gap006"-.014"
 Maximum wall thickness of oil rings158"
 Maximum wall thickness of compression rings178"
 Are ring expanders used, Yes No NO

RODS and PINS

Wristpin—

Material C.D. STEEL S.A.E. 8620
 Length 2.9375" Diameter968"
 Locked in rod, piston or floating FLOATING
 Clearance in piston .0000"-.0003" TIGHT AT 70° TEMP.
 Clearance in rod HAND PUSH FIT AT 70° TEMP.

Connecting rod—

Length—center to center 8.125"
 Material A.I.S.I. C1041
 Weight—ounces (NO BEARINGS) 34.24 OZ.

Crankpin journal—

Diameter 2.125" Length 1.625"

Lower bearing—

Material STEEL BACKED BABBITT-LINED
 Clearance SELECTIVE FIT .0005" to0015"
 End play007" to013"
 Ship—solid, laminated or none NONE
 Spun or separate SEPARATE

Rods and pistons removed from above or below ABOVE

CRANKSHAFT

Material A.I.S.I. C1045
 Weight—stripped 80.50 LB.
 Vibration dampener used—yes or no YES
 Type RUBBER

Make of Car **HUDSON** Model **500 PACEMAKER** Date **OCT. 1, 1949**

CRANKSHAFT (cont'd)

Crankshaft counterweights used, number of 7
 Which main bearing takes thrust # 3 BRG.
 Crankshaft end play003"-.009"
 Main bearing—
 Type: Cast-in or Slip-in **SLIP-IN**
 If slip-in: Removable from below **YES**
 Necessary to align ream. **NO**
 Material **STEEL BACKED BABBITT-LINED**
 Clearance **SELECTIVE FIT .0005"-.0015"**
 Shim—solid, laminated or none **NONE**
 Main bearing journal diameter x length—
 No. 1 2.4995" X 1.4375"
 No. 2 2.4995" X 1.375"
 No. 3 2.4995" X 1.625"
 No. 4 2.4995" X 1.75"
 No. 5
 No. 6
 No. 7
 No. 8
 No. 9
 Crankshaft sprocket—
 Make **MORSE CHAIN**
 Material **STEEL**

CAMSHAFT

Camshaft sprocket—
 Make **MORSE CHAIN**
 Material **CAST IRON**
 Timing chain—
 Make **MORSE CHAIN**
 Number of links 60
 Width 1.25"
 Pitch375"

VALVES

INTAKE VALVE—

Make **WILCOX-RICH**
 Material **A.I.S.I. NE 8645**
 Overall length 5.730"
 Actual overall diameter of head 1.831"
 Minimum port diameter 1.687"
 Angle of seat 45°
 Is valve seat an insert? **NO**
 Stem diameter3417"
 Stem to guide clearance **.0015"** to **.003"**
 Lift346"
 Spring pressure and length—
 Outer—

VALVES (cont'd)

With valve closed—lb. **73-81#** ins. 2.188"
 With valve open—lb. **153-165#** ins. 1.842"
 Length out of engine—ins. 2.500"
 Inner—
 With valve closed—lb. ins.
 With valve open—lb. ins.
 Length out of engine—ins.

EXHAUST VALVE—

Make **WILCOX-RICH**
 Material **STEM-UPPER-AUSTENITIC STEEL 2112**
LOWER-NE 8645 STEEL
 Overall length 5.73"
 Actual overall diameter of head 1.556"
 Minimum port diameter 1.375"
 Angle of seat 45°
 Is valve seat an insert? **NO** Material
 Stem diameter3407"
 Stem to guide clearance **.002"** to **.004"**
 Lift346"
 Spring pressure and length—
 Outer—
 With valve closed—lb. **73-81#** ins. 2.188"
 With valve open—lb. **153-165#** ins. 1.842"
 Length out of engine—ins. 2.500"
 Inner—
 With valve closed—lb. ins.
 With valve open—lb. ins.
 Length out of engine—ins.

Operating tappet clearance (hot or cold)—intake **HOT .008"**
 Tappet clearance for valve timing—intake
 Operating tappet clearance (hot or cold)—exhaust **HOT .010"**
 Tappet clearance for valve timing—exhaust
 Hydraulic valve lifters—yes or no **NO**
 Valve timing—
 Intake opens **7° 18'** degrees BUDC piston travel inches
 Intake closes **53° 42'** " ALDC " " inches
 Exhaust opens **53° 18'** " BLDC " " inches
 Exhaust closes **7° 42'** " AUDC " " inches
 Valve Timing Marks—on Flywheel, Vibration Damper, Nonc-FLYWHEEL

LUBRICATION

Lubricating system type—pressure or splash **PRESSURE**
 Oil pressure to—
 Main bearings—yes or no **YES**
 Connecting rods—yes or no **YES**
 Wristpins—yes or no **NO**
 Camshaft bearings—yes or no **YES**
 Tappets—yes or no **YES**

Make of Car **HUDSON**

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Date **OCT. 1, 1949**

LUBRICATION (cont'd)

Timing gear or chain lubrication—position or splash **GRAVITY**
 Oil pump type **TYPE "M" (6 X 7) ROTOR**
 Oil grade recommended—S.A.E. viscosity and temperature range—
S.A.E. 30 TO 90°AVE. 10W+10% KEROSENE
S.A.E. 20 TO +32° F. MIN. TO BELOW -10° F.
S.A.E. 20W TO +10° F. MIN.
S.A.E. 10W TO -10° F.
 Normal oil pressure—lbs. at M.P.H. **40 LB. AT 30 M.P.H.**
 Pressure at which relief valve opens
 Capacity of oil reservoir—quarts, dry **7-1/2** *refill* **7**
 Oil pressure gauge make **INDICATED BY LIGHT**
 Oil reservoir level gauge type **STICK-GAUGE**
 Flooding type oil intake—yes or no **YES**
 External oil filter make **FRAM (SERVICE)**
 Other type of oil cleaner **NONE**
 Oil cooler make **NONE**
 Chassis lubrication—Make **ZERK**

FUEL

Gasoline tank—capacity **20 GAL.**
 Fuel feed—
 Type—vacuum tank, electric pump, gravity tank
 pump or camshaft pump **CAMSHAFT PUMP**
 Make **CARTER** Model **M-729 SZ**
 Carburetor—
 Make **CARTER** Model **WAI-749S**
 Number used **1**
 Size **1.25"**
 Type—
 Up or down draft **DOWN DRAFT** Single or dual **SINGLE**
 Intake manifold heat control—manual, automatic or none **AUTOMATIC**
 Automatic choke, make **CARTER** Model
 Air cleaner—intake silencer make **SEE BELOW**
 Type—dry felt; oil bath; oil coated fibre
 Heavy Duty type—Make Model
 Muffler make **OLDBERG**
 Tail pipe diameter **2"**

COOLING

Water pump—
 Type **6-VANE IMPELLER**
 Drive **V-BELT**
 Is pump equipped with packing nut **NO**
 Water circulation thermostat make **FULTON SYLPHON**
 Pressure relief valve—yes or no **NO**
 Bypass for recirculation—yes or no **YES**
 Radiator core—
 Type **CT 10-1/2 FINS-FIN & TUBE**
 Make **M^oCORD**

COOLING (cont'd)

WITHOUT HEATER 18-1/2 QTS.
WITH HEATER 19-1/2 QTS.
 Cooling system—*upside, quartz*
 Water jackets full length of cylinders—yes or no **YES**
 Water all around cylinder—yes or no **YES**
 Lower radiator hose—
 Inside diameter **1.625"** Length **4"**
 Upper radiator hose—
 Inside diameter **1.50"** Length **12.50 FORMED**
 Fan belt—
 Make **GOODRICH** **GATES** **GOODYEAR**
 Angle of vee **46°** **48°** **48°**
 Length, outside **41.5"** Width, maximum **.790"**
 Fan—
 Make **HAYES** No. of Blades **4**

IGNITION

Ignition units **DISTRIBUTOR** **1AT-4002**
 Make **AUTO-LITE** Model **CH-5007A**
 Manual or octane selector, degrees advance *retard*
 Maximum centrifugal advance crankshaft, degrees **20° ± 2°**
 at **2400** engine R.P.M.
 Inches of Mercury Necessary to operate Vacuum Advance (Plus or minus 1 inch) **12"**
 Maximum Vacuum advance crankshaft, degrees **10° ± 2°**
 Breaker gap **.020"** Breaker arm tension **17-20 cc.**
 Cam angle *deg.*
 Timing—Breaker points open **0** degrees crankshaft rotation
 or **0** inches piston travel (after or before) top center
 with octane selector in the T.D.C. 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 **5.0 AT 6.3 VOLTS**
 With engine idling **1.5-2.0 AT 6.3 VOLTS**
 Spark plug—
 Thread—11 m.m., 14 m.m. or 16 m.m. **14 M.M.**
 Make **CHAMPION** Model **H-8 C.I. & AL. HEAD**
 Gap **.032"- .045"**
 Ignition cable make **ESSEX WIRE**

BATTERY

Make **NATIONAL** Model **OE-2L-100**
 Capacity—ampere hours **100** @ 20 hour rate
 Number of plates per cell **17**
 Beach charging rate—
 Start **Finish**
 Which battery terminal is grounded **POSITIVE**
 Location of battery **UNDER BONNET LEFT SIDE**

STD.—AC (DRY) MODEL 1544857
 OPTL.—(OIL BATH) UNITED SPECIALTIES MODEL HS85-C16240
 OPTL.—(OIL BATH) UNITED SPECIALTIES MODEL HS85-C16245
 OPTL.—AC (DRY) MODEL 1544858

[WITHOUT DRIVE MASTER OR
 SUPER-MATIC DRIVE.
 [WITH DRIVE MASTER OR
 SUPER-MATIC DRIVE

Make of Car **HUDSON**

Model **500 PACEMAKER**

Date **OCT. 1, 1949**

STARTING MOTOR

Make **AUTO-LITE** Model **MZ 4159**
 Normal engine cranking speed **120 R.P.M.**
 Brush spring tension **42-53 OZ.**
 Lock test—
 Amperage draw **540**
 Volts **4.0**
 Torque in pounds feet **12.3**
 No load test— **WITH BENDIX DRIVE**
 Amperage draw **70 MAX**
 Volts **5.5** R.P.M. **4300 MIN.**
 Type of drive—Bendix or sliding gear with overrunning clutch **BENDIX**
 Starting device—Solenoid, manual, etc. **SOLENOID**
 Starter operation—check items required to start engine
 1. Turn on ignition ✓
 2. Depress starter pedal ✓
 3. Depress accelerator pedal
 4. Depress clutch pedal **(ONLY WITH DRIVE MASTER OR SUPER-MATIC DRIVE)** ✓
 5. Operate button on dash
 6. Pull out throttle
 Starting motor pinion meshes front or rear **REAR**
 No. of teeth in flywheel **134**
 Face width of flywheel teeth **.406"**
 Gear ratio between starter armature and flywheel **14.9 TO 1**

GENERATOR

Make **AUTO-LITE** Model **G.D.Z. 6001 B**
 Type—third brush, stent, etc. **SHUNT**
 Brush spring tension **35-53 OZ.**
 Current regulation, voltage regulator or voltage control unit **CURRENT REGULATOR V.R.R 6002**
 Maximum controlled charging rate
 Temperature **COLD** **HOT**
 Amperes **35** **35**
 Voltage **8** **8**
 R.P.M. **2000** **2350**
 Cutout relay—
 Voltage at closing **6.4 - 7.0**
 Amperes to open, reverse current **4-6**
 Air gap **.031"-.034"**
 Voltage regulator—
 Volts **7.2 - 7.5**
 Temperature **70°F**
 Air gap **.048"-.052"**
 Current regulator—
 Amperes **35**
 Temperature **70°F**
 Air gap **.048"-.052"**
 Car speed for maximum charging rate **22 M.P.H.**
 Ammeter or charge indicator make **INDICATING LIGHT**

LAMPS

Lighting switch make **JOSEPH POLLACK & COLE-MERSEE**
 Are tail and dash lights in series **NO**
 Headlights—
 Make **HALL**
 Location—on fender, on radiator, or radiator shell **FENDER**
 Parking or fender light make **AUTO-LITE**
 Tail and stop light make **AUTO-LITE**
 Horn—
 Type—vibrator or motor **VIBRATOR** No. used **1**
 Make **SPARKS WITHINGTON TRUMPET**
 Amperage draw of each **15**

CLUTCH

Make **OWN**
 Drive type—
 Direct to flywheel face **YES**
 Through fluid flywheel
 Semi-centrifuge **WET PRESSURE PLATE**
 Power operated unit make **NONE** **[BENDIX WITH DRIVE MASTER OR SUPER-MATIC DRIVE]**
 Vibration insulation or neutralizer **SPRINGS**
 rubber blocks or springs
 No. of clutch driving discs **2**
 No. of clutch driven discs **1**
 Clutch facing—
 Material—iron or metalized wheel, cork **CORK**
 Inside diameter **5.25"**
 Outside diameter **8.6875"**
 Thickness **.203"**
 No. required **IN DISC** **90 CORKS**

TRANSMISSION

Transmission
 Make **OWN** Model
 No. of forward speeds **3**
 Manual shift—yes, no **YES**
 Automatic or auxiliary shifting mechanism—yes, **OPTIONAL**
 If yes, Make **BENDIX**
 Type—centrifugal, vacuum, electric or hydraulic
 Automatic overdrive—
 Make **(OPTIONAL) WARNER GEAR**
 Oil capacity— **LBS.** **1.25**
 Oil grade recommended—S. I. I. viscosity
 Summer **90 EP (MILD)** Winter **80 EP (MILD)**
 Gear ratio in high—Standard 5-speed gear
 4 door sedan **1.1**
 Transmission ratio—
 In overdrive **.7** In second **1.82**
 In third **1.1** In fourth
 In low **2.88** In reverse **3.50**

Make of Car **HUDSON**

Model **500 PACEMAKER**

Date **OCT. 1, 1949**

TRANSMISSION (Cont'd)

Constant mesh gears on second **YES**

Spur or helical gears—
 For second speed **HELICAL**
 For first speed **HELICAL**
 For reverse speed **HELICAL**
 For all speeds **HELICAL**

Synchronous meshing **SECOND & HIGH GEARS YES**

Transmission oil—
 Capacity—pints **2**

Grade recommended—S.A.E. viscosity
 Summer **90 EP (MILD)** Winter **80 EP (MILD)**

Universal joints—
 Make **SPICER**

Number used **3 CROSSES IN 2 SHAFTS**

Type—metal with anti-friction
 bearing or metal with plain bearing **NEEDLE BEARING**

Lubricated with **LONG FIBRE SODIUM SOAP GREASE**

Drive taken through springs, torque arm, torque tube or
 radius rods **SPRINGS**

Torque taken through springs, torque arm, torque
 tube or radius rods **SPRINGS**

REAR AXLE

Rear axle—
 Make **OWN** Model **SEMI-FLOATING**

Type—Semi, full or three-quarter floating

Minimum road clearance under center of rear
 axle—tires inflated **8.125"**

Rear axle oil—
 Capacity— **LB. 3.625 REFILL 3.50**

Grade and type recommended—S.A.E. viscosity
 Summer **USE HYPOID** Winter **GEAR OIL ONLY**

Type of gearing—spiral bevel, worm, hypoid **HYPOID**

Gear ratio—standard 5-passenger 4-door sedan **4.1**
 Optional gear ratios **3.82—4.55**

Number of teeth—
 In ring gear **41** In pinion **10**

How is pinion adjusted—screw or shim **SHIMS**

How is pinion bearing adjusted—screw or shim **SHIMS**

Are pinion bearings carried in sleeve **NO**

Backlash between pinion and ring gear **.004" to .006"**

TIRES and WHEELS

Type—
 Make **GOODYEAR**
 Size **7.10 - 15** No. of plies **4**

TIRES and WHEELS (Cont'd)

Inflation pressure—Front **26 LBS.** Rear **24 LBS.**
 Rim—Diameter **15"** Width **5.00" E OR K**

SPRINGS

FRONT SPRING—

Independent or conventional suspension **INDEPENDENT**
 Type—coil, semi-elliptic, transverse, torsion **COIL**
 Make **EATON**
 Material **SILICO MANGANESE STEEL S.A.E. 9260**
 Torsional stabilizer at front **YES**

If leaf—
 Length **Width**
 Number of leaves—5 passenger 4 door sedan
 Arc radius rods used on axle
 Free **HEIGHT 16.3125"**
 Length under curb weight **9.5625"**
RATE AT WHEEL 107 LBS.

REAR SPRING—

Independent or conventional suspension **CONVENTIONAL**
 Type—coil, semi-elliptic, transverse, torsion **SEMI-ELLIPTIC**
 Make **EATON**
 Material **SILICO MANG. OR AMOLA STEEL HEAT-TREATED**
 Torsional stabilizer at rear **LATERAL**

If leaf—
 Length **54"** Width **1.75"**
 Number of leaves—5 passenger, 4 door sedan **8**
 Spring leaves lubricated with **VISCOUS CHASSIS LUBR. # 43238**
 Spring cover, Yes **METAL** No
 Spring shackles—
 Front—Type **END MTD. IN RUBBER** Make **HARRIS PRODUCTS**
 Rear—Type **SILENT U-THREADED** Make **PRESSED METALS**

Spring bolts—
 Type
 If coil—
 Free length
 Length under curb weight
 Rate for above **120 pounds per inch**

Shock absorbers—
 Make **MONROE**
 Type **1 to way**
 Front **DIRECT ACTING MONROE**
 Rear **DIRECT ACTING MONROE**
 Fluid capacity (cc.)—front **3.75 OZ.** rear **6.375 OZ.**

- 4.1—STD. WITHOUT DRIVE MASTER OR SUPER-MATIC DRIVE — 4.55 & 3.82 OPTIONAL
- 4.1—STD. WITH DRIVE MASTER, WITHOUT OVERDRIVE — 4.55 & 3.82 OPTIONAL
- 4.55—STD. WITH OVERDRIVE — 4.1 OPTIONAL
- 4.55—STD. WITH SUPER-MATIC DRIVE — 4.1 OPTIONAL

Make of Car HUDSON Model 500 PACEMAKER Date OCT. 1, 1949

STEERING

Steering gear—
 Type ROLLER
 Make GEMMER Model # 305 3-TOOTH
 Ratio 18.2:1
 Lubricant recommended S.A.E. 90 EP
 Steering wheel diameter 18"
 Drag link longitudinal or transverso LONGITUDINAL
 Tie rod—one or two 2
 Is intermediate steering arm used YES
 Number of turns of steering wheel for full left
 to right swing of wheels LHD—R-19.65 FT.
 L-19.65 FT.
 RHD—R-19.65 FT.
 L-19.65 FT.
 Car turning radius—feet—right, left or both
 Caster—degrees 1/2° - 1-1/2° to
 Camber—degrees or 1/2° - 1-1/2° inches to
 Toe-in—inches 0" - .0625" to
 Crosswise inclination of kingpin—degrees 3° - 36'
 Front axle—
 Make OWN Model
 Section type—I-beams, tubular or none
 End type—Elliott or reverse Elliott ELLIOTT
 Minimum road clearance—tires inflated 8"

BRAKES

Foot brakes—
 Make BENDIX
 Type of mechanism, hydraulic or mechanical DUO AUTOMATIC
 If vacuum booster is standard, state make
 Brake lining moulded, semi-moulded or woven—
 Primary shoe RAYBESTOS 1236-A
 Secondary shoe RAYBESTOS 1702-X
 Drum—
 Material CENTRIFUSE Diameter 11"
 Lining—
 Length per wheel 20.108"

BRAKES (cont'd)

Width 1.75" Thickness .177" MIN.
 Clearance—to .010" beel .010"
 Total foot braking area 140.357"
 Percent braking power on rear wheels
 Hand lever operates on—transmission, separate rear brakes, rear service brakes or all four service brakes 2-REAR BRAKES
 Hand brake, if separate from service brake—
 Internal or external INTERNAL
 Drum diameter 11"
 Lining—
 Length per drum 20.108"
 Width 1.75" Thickness .177" MIN.
 Clearance .010"

FRAME and OTHER GENERAL DATA

Frame—
 Depth—maximum
 Thickness—maximum
 Flange width—maximum
 Wheelbase 119-7/8"
 Tread—
 Front 58.50"
 Rear 55.50"
 Weight of standard 5-passenger, four-door sedan—
 Shipping
 Curb
 Price of standard 5-passenger, 4-door sedan
 First serial number, this series
 Serial number location (PERMANENT-DIE SUNK)
 TOP OF RIGHT SIDE RAIL
 Overall length of car—
 With bumpers and bumper guards 201.50"
 Overall width of car 77.0625"
 Overall height, road to roof with load 60.375"

Make of Car HUDSON Model 500 PACEMAKER Date OCT. 1, 1949

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
 Size or number NO. 8.85158

Fan bearing—
 Make or type
 Size or number

Starting motor commutator end bearing—
 Make or type OIL IMPREGNATED BUSHING
 Size or number

Starting motor drive end bearing—
 Make or type OIL IMPREGNATED BUSHING
 Size or number

Starting motor outboard bearing—
 Make or type
 Size or number

Generator commutator end bearing—
 Make or type AUTO-LITE PLAIN BRONZE
 Size or number

Generator drive end bearing—
 Make or type AUTO-LITE BALL BEARING
 Size or number

Transmission main drive gear front pilot bearing—
 Make or type NEW DEPARTURE OR EQUIVALENT
 Size or number NO. 200 RADIAL BALL BEARING

Clutch throwout bearing— BEARINGS CO. OF AMERICA
 Make or type SPECIAL RADIAL & THRUST BALL BRG.
 Size or number 1.625" I.D. X 2.5937" O.D.

Transmission main drive gear rear bearing—
 Make or type NEW DEPARTURE
 Size or number NO. 47507 X 1250

Transmission main shaft front pilot bearing—
 Make or type BANTAM
 Size or number (16).1875" X .527"

Transmission main shaft rear bearing— NEW DEPARTURE
 Make or type SPECIAL LOCK RING BALL BEARING
 Size or number OTHERWISE SAME AS 43206

Transmission countershaft front bearing—
 Make or type PLAIN STEEL BACK-BABBITT
 Size or number

Transmission countershaft rear bearing—
 Make or type PLAIN STEEL BACK-BABBITT
 Size or number

Transmission reverse idler bearing—
 Make or type PLAIN STEEL BACK-BABBITT

BEARINGS (cont'd)

Size or number

Overdrive shaft rear bearing—
 Make or type NEW DEPARTURE
 Size or number NO. 3206

Overdrive shaft pilot bearing—
 Make or type NEW DEPARTURE
 Size or number NO. 3206

Main shaft extension bearing—
 Make or type NEW DEPARTURE
 Size or number NO. 1206

Rear axle pinion shaft front bearing—
 Make or type TIMKEN
 Size or number 31594-CONE 31520-CUP

Rear axle pinion shaft rear bearing—
 Make or type TIMKEN
 Size or number 3877-CONE 3820-CUP

Differential right bearing—
 Make or type TIMKEN
 Size or number 25580-CONE 25520-CUP

Differential left bearing—
 Make or type TIMKEN
 Size or number 25580-CONE 25520-CUP

Rear wheel inner bearing—
 Make or type TIMKEN
 Size or number 25877-T-CONE 25820-CUP

Rear wheel outer bearing—
 Make or type
 Size or number

Front wheel inner bearing—
 Make or type TIMKEN & BOWER
 Size or number 15123 -15245

Front wheel outer bearing—
 Make or type TIMKEN & BOWER
 Size or number Q9067-09195

Kingpin upper bearing—
 Make or type
 Size or number

Kingpin lower bearing—
 Make or type
 Size or number

Kingpin thrust bearing—
 Make or type SPECIAL HUDSON DESIGN
 Size or number

Make of Car **HUDSON** Model **500 PACEMAKER** Date **OCT. 1, 1949**

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

Catalog Designation of Model
 Lacquer make
 Body finish, *lacquer or synthetic enamel*
 Fender finish, *lacquer or synthetic enamel*
 Hardware make
 Speedometer make
 Gasoline gauge make
 Thermometer make
 Car lock make
 Car lock operates *on ignition or ignition and steering*
 Clock make *mechanical or electrical*
 Cigar lighter make
 Safety glass make
 Safety glass type, *laminated or tempered*
 In windshield
 In side windows
 In rear window
 Bumper make
 Bumper guard make
 Car heater make Type
 Direction signal make
 Front—*yes or no* Rear—*yes or no*
 No. of tail lights included
 No. of visors included
 No. of horns included
 No. of windshield wipers included
 No. of spare tires included

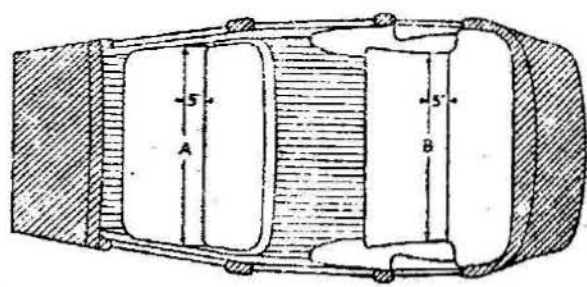
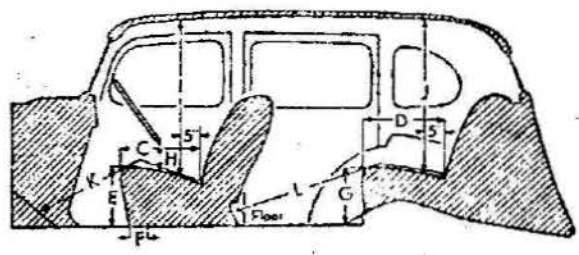
	Models		
	Standard	DeLuxe	Custom
500			
VARIOUS			
LACQUER			
LACQUER			
DOEHLER-JARVIS			
STEWART-WARNER			
KING-SEELEY			
KING-SEELEY			
MITCHELL			
IGNITION			
PITTSBURGH & AMERICAN			
BOTH			
LAMINATED			
LAMINATED			
TEMPERED			
ELEC. AUTO-LITE			
EATON MFG.			
	2		
	2		
	1		
	2		
	1		

Make of Car HUDSON

Model 500 PACEMAKER

Date OCT. 1, 1949

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



INTERIOR

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

- Width of front seat cushion, measured 5 inches from back (A)
- Width of rear seat cushion, measured 5 inches from back (B)
- Depth of front seat cushion (C)
- Depth of rear seat cushion (D)
- Height of front seat cushion measured 12 1/2 inches from center line of body (E)
- Front seat horizontal adjustment, inches (F)
- Front seat vertical adjustment, inches
- Height of rear cushion measured 12 1/2 inches from center line of body (G)
- Vertical distance steering wheel and seat cushion (H)
- Head room at front seat, measured 5 inches from back (I) Parallel to seat cushion
- Head room at rear seat, measured 5 inches from back (J)
- Leg room in front seat, measured from 6 inches up on toe board, following contour of seat cushion (K)
- Leg room in rear seat, measured from center of foot rest, following contour of seat cushion (L)
- Trunk capacity, cubic feet
- Width of left front pillar on diagonal with door closed

64
64
18
18
12 3/4
4
1/2
13 1/2
6 7/8
38 3/4
37 1/4
43 1/4
38
23 3/4
3 9/16

