Automobile Manufacturers Association

Consolidated Specification Questionnaire

For 1951 Models

Mechanical Details

Make of Car..... Nash .... Model 5140 Series (Statesman) ....

Name of Maker.. Nash Motors Division of Nash-Kelvinator Corp. .... Address .. Detroit 32, Michigan ....

Date. September 1, 1950

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 ...3-1/8 .... Stroke ...... 4 ....

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

Cylinder sleeve, Yes.......................No...No..............

Piston displacement ... 184.0 Cu. In. ....

Taxable horsepower .... 23.44 ....

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.....76....) (80 Research)

—With Bare Engine—

Maximum brake hp. ...... 85 ...... at ..... 3800 .... 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... 140 ... at ... 1600 .... R.P.M.

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

Compression Ratio—

Standard ..... 7.0:1 .... Optional 7.35:1

Standard compression pressure *—pounds—*

At cranking speed ... 120 lbs./sq. in. ....

At what R.P.M. ..... Cranking ....

PISTONS and RINGS

Piston

Make ...... Nash ....

Material ..... Aluminum - L-4 alloy ....

Features—*split skirt, invar strut, oval, tin-plated, aluminum oxide finish, auto-thermic, V-Bridge, porous chrome plate, etc.* Strut, Cam ground, Tin Plated solid skirt

Weight—*ounces—without rings, pin or bushing* ... $13\frac{1}{2}$

Length ... 3-3/8 ....

Clearance—

Top land .... *to* ....

Skirt, top .0020-.0026 *bottom* ....

Service Fit - Pistons without rings support own weight in clean & dry cylinder

PISTONS and RINGS (cont'd)

Piston ring groove depth— #1 #2

Oil .173 (Both).... Compression .169 Both

No. of oil rings used per piston 2

Width of oil rings 5/32 (.15475 ± .00025)

Width of oil ring gap (#3) .015 ± .005 (Service .010-.015)

No. of compression rings used per piston 2

Width of compression rings 3/32 (.0930 ± .0005) ....

Width of compression ring gap .015 ± .005 (Serv. .010-.015)

Maximum wall thickness of oil rings... (#3) .144 Max. ....

Maximum wall thickness of compression rings... .151 ± .005 ......

Are ring expanders used, Yes.................No...No..........

#4 Oil Ring is a steel U-Flex Ring

RODS and PINS

Wristpin—

Material Steel SAE 1015 ....

Length .. 2-3/4 .... Diameter .8593 - .8595

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

Clearance in piston .... *to* ... .0003 Max.

Clearance in rod Locked in Rod *to* ....

Connecting rod—

Length—*center to center* 6-5/8 (6.623 - 6.627)

Material O.H. Forged Steel .35 - .40C

Weight—*ounces* ... 25 ....

Crankpin journal—

Diameter .. 2-3/32 (2.094-2.095) Length 1-1/8 (1.1205-1.1265)

Lower bearing—

Material .. Steel Backed Babbitt

Clearance .. .0004 to .0025 (.002 Desired)

End play ... .006 .... *to* ... .014 ..

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

Spun or separate Precision Replaceable ....

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

CRANKSHAFT

Material .... Drop Forged Steel ....

Weight—*stripped* .... 64 lbs. ....

Vibration dampener used—*yes or no* ... Yes ....

Type .... Rubber ....

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CRANKSHAFT (cont'd)

Crankshaft counterweights used, number of 5
Which main bearing takes thrust ... Front
Crankshaft end play .. .005 ± .002 (Service .006 - .008)
Main bearing—
Type: Cast-in or .... Slip-in .... Yes
If slip-in: Removable from below ..... Yes
Necessary to align ream .... No
Material .. Steel Backed Micro Babbitt
Clearance .0007 - .0029
Shim—*solid, laminated or none* ... None
Main bearing journal diameter x length—
No. 1. .. 2-31/64 x 1-5/16
No. 2 ...... " x 1-3/8
No. 3 ...... " x 1-3/8
No. 4 .. 2-31/64 x 1-11/16
No. 5
No. 6
No. 7
No. 8
No. 9
Crankshaft gear or sprocket—
Make .... Own
Material ...... Steel C1117

CAMSHAFT

Camshaft gear or sprocket—
Make .... Own
Material ...... CI SAE 110 Mod. "B"
Timing chain—
Make .... Morse
Number of links .60
Width .... 1 in.
Pitch 3/8

VALVES

INTAKE VALVE—
Make .. Alum. Ind. or Rich Mfg. Co.
Material Type: Flat Head
Overall length .. 4-25/32
Actual overall diameter of head .. 1-15/32
Minimum port diameter 1-5/16
Angle of seat 45° in Block; 44° Valve face
Is valve seat an insert? .... No
Stem diameter .... .3407 - .3412
Stem to guide clearance .. .0013 .... *to* .0028*
Lift .... .300
Spring pressure and length—
Outer—

VALVES (cont'd)

With valve closed—*lb.* .. 37 to 41 .. *ins.* .. 1-3/4
With valve open—*lb.* ... 75 to 82 .. *ins.* ... 1-7/16
Length out of engine—*ins.* 2-3/32
Inner— None Used
With valve closed—*lb.* .... *ins.*
With valve open—*lb.* .... *ins.*
Length out of engine—*ins.*

EXHAUST VALVE—
Make .... Alum. Ind. or Rich Mfg.
Material .. SAE 2112
Overall length .. 4-25/32
Actual overall diameter of head .. 1-9/32
Minimum port diameter 1-1/8
Angle of seat .. 45° in Block; 44° Valve Face
Is valve seat an insert? ... None ...... Material
Stem diameter .... .3407 - .3412
Stem to guide clearance .. .0013 .... *to* .0028*
Lift ...... .300
Spring pressure and length—
Outer—
With valve closed—*lb.* . 37 to 41 .. *ins.* 1-3/4
With valve open—*lb.* . 75 to 82 .. *ins.* 1-7/16
Length out of engine—*ins.* . 2-3/32
Inner— None Used
With valve closed—*lb.* .... *ins.*
With valve open—*lb.* .... *ins.*
Length out of engine—*ins.*
Operating tappet clearance (hot or cold)—*intake* ... .015 in.
Tappet clearance for valve timing—*intake* .... .019 in.
Operating tappet clearance (hot or ~~cold~~)—*exhaust* . .015 in.
Tappet clearance for valve timing—*exhaust* ...... .019 in.
Hydraulic valve lifters—*yes or no* .... No
Valve timing—
Intake opens .... 6 ..... *degrees* BUDC *piston travel* .... *inches*
Intake closes .. 50 ..... " ALDC " " .... *inches*
Exhaust opens .. 46 ..... " BLDC " " .... *inches*
Exhaust closes . 10 ..... " AUDC " " .... *inches*
Valve Timing Marks—*on Flywheel, Vibration Damper,* None

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* .... No

* Service .002 - .003

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LUBRICATION (cont'd)

- Timing gear or chain lubrication—*positive or splash*: Positive
- Oil pump type: Gear
- Oil grade recommended—*SAE viscosity and temperature range*—
  - SAE 20 or 20W: 32° F up
  - 10W: -10° F to +32°
- Normal oil pressure—*lbs. at M.P.H.*: 50 @ 30 mph.
- Pressure at which relief valve opens:
- Capacity of oil reservoir—*quarts, dry*: 5 — *refill*: 5
- Oil pressure gauge make: Auto-Lite
- Oil reservoir level gauge type: Bayonette
- Floating type oil intake—*yes or no*: No
- External oil filter make:
- Other type of oil cleaner: -----
- Oil cooler make: None
- Chassis lubrication—Make: Zerk

FUEL

- Gasoline tank—*capacity*: 20 Gals.
- Fuel feed—
  - Type—*vacuum tank, electric pump, gravity vacuum pump or camshaft pump*: Camshaft Pump
  - Make: AC — Model: AC 1539413°
- Carburetor—
  - Make: Carter — Model: YF- 824-S
  - Number used: 1
  - Size: 1-1/4
  - Type— "Uniflo-Jet"
  - Up or down draft: Down — Single or dual: Single
- Intake manifold heat control—*manual, automatic or none*: Water Jacket
- Automatic choke, make: Carter — Model: (on carb.)
- Air cleaner—intake silencer make: AC or United Spec.
  - Type—*dry felt; oil bath; oil coated fibre*: Oil coated
  - Heavy Duty type—Make: AC or United Spec. (Ext. Cost)
- Muffler make: Oldberg or Walker "Straight Through"
- Tail pipe diameter: 1-1/2 O.D.

COOLING

- Water pump—
  - Type: Centrifugal
  - Drive: Belt - through Generator
  - Is pump equipped with packing nut: No
- Water circulation thermostat make: Dole DV2 170° Std.@
- Pressure relief valve—*yes or no*: Yes - 4 lb. setting
- By-pass for recirculation—*yes or no*: No
- Radiator core—
  - Type: Cellular Tube, Vertidal Flow
  - Make: McCord - C.T. Type

COOLING (cont'd)

- Cooling system—*capacity, quarts*: 15 with heater
- Water jackets full length of cylinders—*yes or no*: Yes
- Water all around cylinder—*yes or no*: No-Siamezed
- Lower radiator hose—
  - Inside diameter: 1-1/2 — Length: 2 pcs 3-1/4 in.
- Upper radiator hose—
  - Inside diameter: 1-1/2 — Length: 7-3/4 molded-curved
- Fan belt—
  - Make: Goodyear or Gates
  - Angle of vee: 40°
  - Length, outside: 41-3/4 — Width, maximum: .406 ± 1/32
- Fan—
  - Make: Own — No. of Blades: 4

IGNITION

- Ignition units—
  - Make: Delco Remy — Model: 1112351
  - Manual or octane selector, *degrees advance* ... *retard*
  - Maximum centrifugal advance crankshaft, *degrees*: 22° *at* 2800 *engine R.P.M.*
  - Inches of Mercury Necessary to operate Vacuum Advance (Plus or minus 1 inch): 15"
  - Maximum Vacuum advance crankshaft, *degrees*: 15°
  - Breaker gap: .018-.024 — Breaker arm tension: 17 to 21 oz.
  - Cam angle: 35 *deg.*
- Timing—Breaker *points open* TDC *degrees crankshaft rotation or* ... *inches piston travel (after or before) top center with octane selector in the* ... *position.*
- Timing mark location—~~*flywheel*~~, *vibration dampener* ~~*or none*~~
- Firing order: 1-5-3-6-2-4
- Amperage draw of ignition coil—
  - With engine stopped: 3.9
  - With engine idling: 1.7
- Spark plug—
  - Thread—10 *m.m.*, 14 *m.m.* or 18 *m.m.*: 14 m.m.
  - Make: Auto-Lite — Model: A5
  - Gap: .028 - .031
- Ignition cable make: Special (Nash Specification)

BATTERY

- Make: Auto-Lite — Model: CT 1-13
- Capacity—*amepere hours*: 90 @ *20 hour rate*
- Number of plates per cell: 13
- Bench charging rate—
  - Start: 9 — Finish: 6
- Which battery terminal is grounded: Positive
- Location of battery: Engine Compt., Left side

* 5% lean setting optional metering rod. Carter #75-660 (.079" Dia.)

o Carter #M-797-S with Hyd. & O.D.

@ 150° and 180° optional

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STARTING MOTOR

Make Delco-Remy Model 1109463#
Normal engine cranking speed
Brush spring tension 24 to 28 oz.
Lock test—
Amperage draw 555
Volts 3.2
Torque in pounds feet 12.2
No load test—
Amperage draw 55 Max.
Volts 5.7 R.P.M. 5000 approx.
Type of drive—*Bendix or (sliding gear with overrunning clutch*)*
Starting device—*Solenoid, manual, etc.*
Starter operation—check items required to start engine
1. Turn on ignition X
2. Depress starter pedal
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 Rear
No. of teeth in flywheel 122
Face width of flywheel teeth 7/16
Gear ratio between starter armature and flywheel 13.5:1
*Different starter on H-M cars.

GENERATOR

Make Delco Remy Model 1102730
Type—*third brush, shunt, etc.* Shunt
Brush spring tension 24-28 oz.
Current regulator, voltage regulator or current and voltage control unit Curr & Voltage Control
Maximum controlled charging rate
Temperature
Amperes 32 - 35
Voltage 7.2 - 7.4
R.P.M. 1800 - 7200 (Gen. RPM)
Cutout relay—
Voltage at closing 6.2 - 6.7
Amperes to open, reverse current 4 - 6
Air gap .020
Voltage regulator—
Volts 7.2 - 7.4
Temperature
Air gap .075
Current regulator—
Amperes 32 - 35
Temperature
Air gap .075
Car speed for maximum charging rate
Ammeter or charge indicator make El. Auto-Lite

LAMPS

Lighting switch make Douglas
Are tail and dash lights in series No
Headlights—
Make Hall
Location—*in fender, in catwalk, or radiator shell* Fender
Parking or fender light make El. Auto-Lite
Tail and stop light make El. Auto-Lite
Horn—
Type—*vibrator or motor* Vibrator No. used 2
Make E. Auto-Lite
Amperage draw of each 15.0 Amp at 6.2 volts

CLUTCH

Make Borg & Beck (Std. & O.D. only)
Drive type—
Direct to flywheel face Yes
Through fluid flywheel No
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 moulded asbestos, cork* Amco #3271
Inside diameter 5-3/8
Outside diameter 8
Thickness 1/8
No. required 2

TRANSMISSION

Transmission—
Make Nash Model
No. of forward speeds 3
Manual shift—*yes, no* Yes
Automatic or auxiliary shifting mechanism—*yes* *no* No
If yes,-Make
Type—*centrifugal, vacuum, electric or hydraulic*
Automatic overdrive—
Make Warner
Oil capacity—*pints* 1-1/4
Oil grade recommended—*S.A.E. viscosity*
Summer SAE 90 Winter SAE 80
Gear ratio in high—*standard 5-passenger 4-door sedan* 1:1 (Trans) 4.375:1 (Std. Axle
*4.875:1(O.D. Axle)
3.778:1 (H.M. cars)
Transmission ratio—
In overdrive .70:1 In second 1.62:1
In third 1:1 In fourth ----
In low 2.57:1 In reverse 3.48:1

* 4.375:1 optional with overdrive

#Delco Number #1109465 with Hydra-Matic

Hydra-Matic Ratios:

First 3.82:1 Fourth 1:1
Second 2.63:1 Reverse 4.30:1
Third 1.45:1

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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 Yes

Synchronous meshing/~~and third~~ Second gears Yes

Transmission oil—
- Capacity—*pints* 2-1/4 (3-1/2 with O.D.)
- Grade recommended—*S.A.E. viscosity*
  - Summer SAE 90 Winter SAE 80

Universal joints—
- Make Mechanics or Saginaw
- Number used 1 (Torque Tube Drive)
- Type—*metal with anti-friction bearing or metal with plain bearing*
- Lubricated with Initial Lub.

Drive taken through springs, torque arm, torque tube or radius rods Torque Tube

Torque taken through springs, torque arm, torque tube or radius rods Torque Tube

REAR AXLE

Rear axle—
- Make Nash Model
- Type—*Semi, full or three-quarter floating* Semi-Floating

Minimum road clearance under center of rear axle—*tires inflated* 7-3/4

Rear axle oil—
- Capacity—*pints* 3
- Grade and type recommended—*S.A.E. viscosity*
  - Summer SAE 90 Hypoid Winter SAE 80 Hypoid

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

Gear ratio—*standard 5-passenger 4-door sedan* 4.375:1*(8-35)

Optional gear ratios 4.875:1(overdrive)(8-39)
3.778:1(with Hydra-Matic)(9-34)

Number of teeth—
- In ring gear 35 In pinion 8

How is pinion adjusted—*screw or shims* Shims

How is pinion bearing adjusted—*screw or shims* Shims

Are pinion bearings carried in sleeve No

Backlash between pinion and ring gear .004 to .006

TIRES and WHEELS

Tires—
- Make Goodyear
- Size 6.40 x 15 No. of plies 4

* 4.375:1 ratio optional on overdrive equipped cars

TIRES and WHEELS (Cont'd)

Inflation pressure—Front 24 @ Rear 24 @

Rim—Diameter 15 Width 4-1/2

SPRINGS

FRONT SPRING—

- Independent or conventional suspension Independent
- Type—*coil, semi-elliptic, transverse, torsion* Coil
- Make Muehlhausen - Eaton
- Material SAE 9260 Steel
- Torsional stabilizer at front No

If leaf—
- Length Width
- Number of leaves—5-passenger, 4-door sedan
- Are radius rods used on axle

If coil—
- Free length 13-1/16
- Length under ~~curb~~ weight 9 in. at 1640±40# R.H.
  9 in. at 1830±40# L.H.
- Loaded Rate: 418 #/in. ± 15

REAR SPRING—

- Independent or conventional suspension
- Type—*coil, semi-elliptic, transverse, torsion* Coil
- Make Muehlhausen - Eaton
- Material SAE 9260 Steel
- Torsional stabilizer at rear No - Track Bar only

If leaf—
- Length Width
- Number of leaves—5-passenger, 4-door sedan

Spring leaves lubricated with

Spring cover, Yes No

Spring shackles—
- Front—Type Make
- Rear—Type Make

Spring bolts—
- Type

If coil—
- Free length 16-3/4
- Length under ~~curb~~ loaded weight 9-13/16 at 870 ± 25#
- Rate for above 125 *pounds per inch*

Shock absorbers—
- Make Delco & Monroe
- Type, one way with lever, two way with lever, or direct acting
  - Front D.A. Two Way
  - Rear D.A. " "
- Fluid capacity (oz.)—front rear

@ 26 lbs. - permissible (See Owner's Manual)

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STEERING

Steering gear—
- Type: Worm and 2-tooth roller
- Make: Gemmer Model: 305
- Ratio: 20:1

Lubricant recommended: SAE 140 E.P.
Steering wheel diameter: 18 in.
Drag link longitudinal or transverse: Transverse
Tie rod—one or two: Two
Is intermediate steering arm used: Yes
Number of turns of steering wheel for full left to right swing of wheels: 4
Car turning radius—*feet—right, left or both*: 21 ft. 2 in. both
Caster—*degrees*: 0 (desired) to 1/2 POS.
Camber—*degrees*: 0 (desired); range -1/4 to +1/4
Toe-in—*inches*: 1/16 to 3/16
Crosswise inclination of kingpin—*degrees*: 8-1/2

Front axle—
- Make: Model:
- Section type—*I-beams, tubular or none*:
- End type—*Elliott or reverse Elliott*: Neither

Minimum road clearance—*tires inflated*: 7-1/4 (at motor mounting rear cross member - car with no load)

BRAKES

Foot brakes—
- Make: Bendix
- Type of mechanism, *hydraulic or mechanical*: Hydraulic Self centering, Floating Shoe

Brake lining moulded, semi-moulded or woven—
- Primary shoe: Moulded
- Secondary shoe: "

Drum—
- Material: Cast Iron Diameter: 9 in.

Lining—
- Length per wheel: 17-1/2 in.

BRAKES (cont'd)

Width: 2" forw.; 1-3/4" Rev. Thickness: 3/16
Clearance—*toe*: .015 *heel*: .015
Total foot braking area: 132 sq. in.
Percent braking power on rear wheels: 43.4%
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:
- Drum diameter:
- Lining—
  - Length per drum:
- Width: Thickness:
- Clearance:

FRAME and OTHER GENERAL DATA

Frame—
- Depth—*maximum*: Integral with Body
- Thickness—*maximum*: ("Airflyte" Construction).
- Flange width—*maximum*:

Wheelbase: 112
Tread—
- Front: 54-11/16
- Rear: 59-11/16

Weight of standard 5-passenger, four-door sedan—
- Shipping:
- Curb:

Price of standard 5-passenger, 4-door sedan:
First serial number, this series: *K-438001 (Kenosha).
Serial number location: Under hood, RH side

Overall length of car—
- With bumpers and bumper guards: 201 inches

Overall width of car: 77½ "
Overall height, road to roof with no load: 63 "
" " " " " Loaded 61¼ "

*Also KC-23501 El Segundo Plant

4 KD - 3201 - Unassembled.
Starting Engine Number S-207001 All Plants

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

BEARINGS

Water pump bearing—
Make or type ....Plain Bushing..................
Size or number ....
Fan bearing—
Make or type ....Ball - Prelubricated............
Size or number ....
Starting motor commutator end bearing—
Make or type ....
Size or number ....
Starting motor drive end bearing—
Make or type ....
Size or number ....
Starting motor outboard bearing—
Make or type ....
Size or number ....
Generator commutator end bearing—
Make or type ..Needle......
Size or number ....
Generator drive end bearing—
Make or type ......Ball.
Size or number ....
Transmission main drive gear front pilot bearing—
Make or type .... Plain Bushing
Size or number ....
Clutch throwout bearing—
Make or type ....Ball-Prelubricated.........
Size or number ....
Transmission main drive gear rear bearing—
Make or type ....Ball..............................
Size or number ....
Transmission main shaft front pilot bearing—
Make or type ....Needle...
Size or number ....
Transmission main shaft rear bearing—
Make or type ....Ball..............................
Size or number ....
Transmission countershaft front bearing—
Make or type ....Plain Bushing.................
Size or number ....
Transmission countershaft rear bearing—
Make or type ......Plain Bushing...................
Size or number ....
Transmission reverse idler bearing—
Make or type ......Plain Bushing.................

Additional Anti-friction Bearings
in Steering Gear

BEARINGS (cont'd)

Size or number ....
Overdrive shaft rear bearing—
Make or type ....Ball.
Size or number ....
Overdrive shaft pilot bearing—
Make or type ....Needle..
Size or number ....
Main shaft extension bearing—
Make or type ....Ball.............................
Size or number ....
Rear axle pinion shaft front bearing—
Make or type ....Roller..........................
Size or number ....
Rear axle pinion shaft rear bearing—
Make or type ..Taper Roller - Timken or Bower
Size or number ....
Differential right bearing—
Make or type .....Taper Roller - Timken or Bower
Size or number ....
Differential left bearing—
Make or type .....Taper Roller - Timken or Bower
Size or number ....
Rear wheel inner bearing—
Make or type .....Taper Roller - Timken or Bower
Size or number ....
Rear wheel outer bearing—
Make or type ....
Size or number ....
Front wheel inner bearing—
Make or type .....Taper Roller - Timken or Bower
Size or number ....
Front wheel outer bearing—
Make or type .....Taper Roller - Timken or Bower
Size or number ....
Kingpin upper bearing—
Make or type ....Threaded.........................
Size or number ....
Kingpin lower bearing—
Make or type ... Threaded
Size or number ....
Kingpin thrust bearing—
Make or type .... Threaded ....
Size or number ....

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NOTE: (1) List only that equipment which is included in the factory delivered price. Special equipment which is fitted, but not included in the factory delivered price should be listed *with its additional price.*

(2) Enter on top line your own model name, or series mark corresponding to Standard, DeLuxe or Custom.

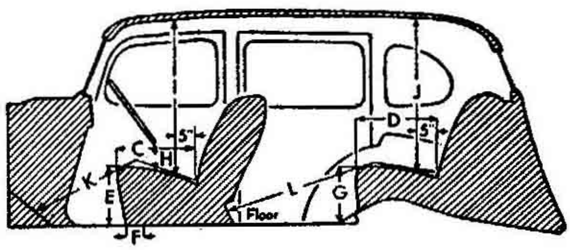
EQUIPMENT	Models: Standard	DeLuxe #	Custom
Catalog Designation of Model	Super	DeLuxe	Custom
Lacquer make			
Body finish, *lacquer or synthetic enamel*	Syn. Enamel	Syn. Enamel	Syn. Enamel
Fender finish, *lacquer or synthetic enamel*	Syn. Enamel	Syn. Enamel	Syn. Enamel
Hardware make	Various	Various	Various
Speedometer make	Auto-Lite	Auto-Lite	Auto-Lite
Gasoline gauge make	Auto-Lite	Auto-Lite	Auto-Lite
Thermometer make	Auto-Lite	Auto-Lite	Auto-Lite
Car lock make	B & S	B & S	B & S
Car lock operates *on ignition or ignition and steering*	Ign.	Ign.	Ign.
Clock make Jaeger *electrical*	Optional		Standard
Cigar lighter make	Casco	Casco	Casco
Safety glass make	Pittsburgh*	Pittsburgh*	Pittsburgh*
Safety glass type, *laminated or tempered*	& American	& American	& American W.G.
In windshield	Lam.	Lam.	Lam.
In side windows	Lam.	Lam.	Lam.
In rear window	Temp.(Herculite)	Temp.Hercu.	Temp.(Herculite)
Bumper make	H. Hershey	H.Hershey	Houdaille Hershey
Bumper guard make	Own		Own
Car heater make "Weather Eye" Type Fresh Air	Own (Opt.)	Own (Opt.)	Own (Opt.)
Direction signal make	Douglas	Douglas	Douglas
Front—*yes or no* Yes Rear—*yes or no* Yes	Opt.	Opt.	Standard.
No. of tail lights included	2	2	2
No. of visors included	2	1	2
No. of horns included	2	2	2
No. of windshield wipers included	2(one Motor)	2 (one motor)	2 (one motor)
No. of spare tires included	1	1	1

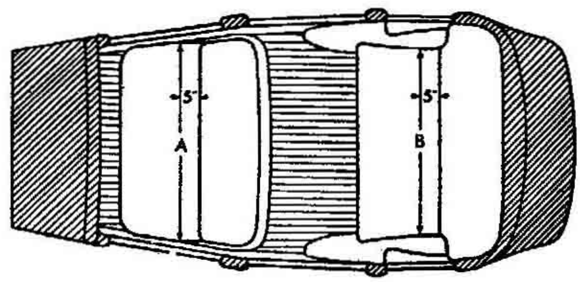
*Pittsburgh is service source.

Business Coupe Only

Make of Car: Nash — Model: 5140 (Statesman) — Date: September 1, 1950

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)	$60\frac{1}{2}$ (63 at Elbow)
Width of rear seat cushion, measured 5 inches from back (B)	52 (61 at Elbow)
Depth of front seat cushion (C)	$18\frac{1}{2}$
Depth of rear seat cushion (D)	$18\frac{1}{2}$
Height of front seat cushion measured $12\frac{1}{2}$ inches from center line of body (E)	12
Front seat horizontal adjustment, inches (F)	$4\frac{1}{2}$
Front seat vertical adjustment, inches	$1\frac{1}{4}$
Height of rear cushion measured $12\frac{1}{2}$ inches from center line of body (G)	13
Vertical distance steering wheel and seat cushion (H)	6
Head room at front seat, measured 5 inches from back (I)	36
Head room at rear seat, measured 5 inches from back (J)	35
Leg room in front seat, measured from 6 inches up on toe board, following contour of seat cushion (K)	41 - 37
Leg room in rear seat, measured from center of foot rest, following contour of seat cushion (L)	39 - 43
Trunk capacity, cubic feet (Tire Out)	28.5*
Width of left front piller on diagonal with door closed	4

*24.4 Cu. Ft. tire in

Make of Car Nash Model 5140 (Statesman) Date September 1, 1950

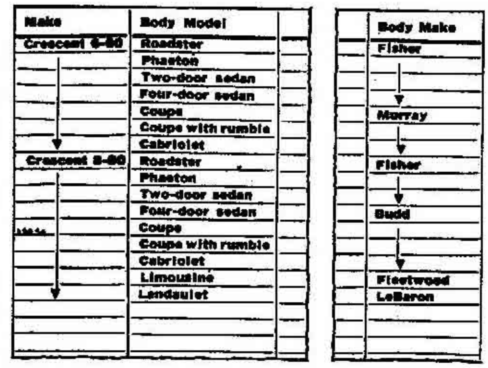
BODY DETAIL AND EQUIPMENT FORMS

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 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 Pass-engers	Wheel-base	Shipping Weight	Seating Arrange-ment Number See Below	Body Make
5143 Super	2D Club Coupe		5	112		Special*	Own
5148 "	4D Sedan		6			4	
5149 "	2D Sedan		6			3	
@ 5153 Custom	2D Club Coupe		5			Special*	
@ 5158 "	4D Sedan		6			4	
@ 5159 "	2D Sedan		6			3	
5132 DeLuxe	2D Business Coupe		3			1	

When following equipment items are installed at the factory add these weights.

Overdrive	50
Weather Eye	18
Radio, either man. or vac. ant.	18
Hydramatic	115

@ The 5150 Series is mechanically the same as the 5140 Series.

* Two door car with two stationary rear seats having triangular fixed arm rest between.

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.