

## AMA Specifications – Passenger Car

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MAKE OF CAR CHRYSLER

MODEL YEAR 1960 DATE: ISSUED 11-18-59 REVISED

## COMPANY

| MODEL NAME | SYMBOL | MODEL NAME | SYMBOL |
|------------|--------|------------|--------|
| 300F       | PC3-H  |            |        |

## TABLE OF CONTENTS

|                                    |                                    |                              |                                   |
|------------------------------------|------------------------------------|------------------------------|-----------------------------------|
| General Specifications . . . . . 1 | Drive Units . . . . . 13           | Rear Suspension . . . . . 19 | Body & Car - General . . . . . 26 |
| Engine - Mechanical . . . . . 2    | Brakes . . . . . 16                | Body Dimensions . . . . . 20 | Weights . . . . . 27              |
| Electrical . . . . . 8             | Front Suspension & Steering . . 17 | Station Wagon . . . . . 25   | Index . . . . . 28                |

## NOTES:

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
  - Specifications apply to the standard model without optional equipment. Significant deviations are noted.
  - Specifications apply basically to 4-door sedan or equivalent.
  - Nominal design dimensions are used throughout these specifications.

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

| MODEL                                                        | Additional Information Page No. | 300F                                           |
|--------------------------------------------------------------|---------------------------------|------------------------------------------------|
| Wheelbase (L-101)                                            | 23                              | 126.0                                          |
| Tread                                                        | Front (W-101)                   | 61.2                                           |
|                                                              | Rear (W-102)                    | 60.0                                           |
| Maximum Overall Dimensions                                   | Length (L-103)                  | 219.6                                          |
|                                                              | Width (W-103)                   | 79.4                                           |
|                                                              | Height (H-101)                  | 2-Dr. Hardtop - 55.1; Convertible - 55.5       |
| Transmission--<br>(Specify trade name - opt., not available) | Manual                          | Pont-a-Mousson - Optional                      |
|                                                              | Overdrive                       | Not Available                                  |
|                                                              | Automatic                       | TorqueFlite - Std.                             |
| Axle ratio                                                   | Manual                          | Std.: 3.31; Opt.: 2.93, 3.15, 3.23, 3.54, 3.73 |
|                                                              | Overdrive                       | ---                                            |
|                                                              | Automatic                       | Std.: 3.31; Opt.: 2.93, 3.15, 3.23, 3.54, 3.73 |
| Tire size                                                    | 16                              | 9.00 x 14                                      |
| Engine                                                       | Type, no. cyl., valve arr.      | 2 OHV, V-8                                     |
|                                                              | Fuel system (Carb. or inj.)     | 6 Two, 4-bbl carburetors                       |
|                                                              | Bore and stroke                 | 2 4.18 x 3.75                                  |
|                                                              | Piston displ., cu. in.          | 2 413.0                                        |
|                                                              | Std. compression ratio          | 2 10.1:1                                       |
|                                                              | Max. bhp at engine rpm          | 2 Std.: 375 at 5000; Opt.: 400 at 5200         |
|                                                              | Max. torque at rpm              | 2 Std.: 495 at 2800; Opt.: 465 at 3600         |

# AMA Specifications—Passenger Car

Page 2

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## ENGINE—GENERAL

|                                        |                                     |                               |
|----------------------------------------|-------------------------------------|-------------------------------|
| Type, no. cyls., valve arr.            |                                     | 90° V-8, In-Line, OHV         |
| Bore and stroke                        |                                     | 4.18 x 3.75                   |
| Piston displacement, cu. in.           |                                     | 413.0                         |
| Bore spacing (C/L to C/L)              |                                     | 4.8                           |
| No. system                             | L. Bank                             | 1 - 3 - 5 - 7                 |
| (front to rear)                        | R. Bank                             | 2 - 4 - 6 - 8                 |
| Firing order                           |                                     | 1 - 8 - 4 - 3 - 6 - 5 - 7 - 2 |
| Compres. ratio                         | Standard                            | 10.1                          |
| (nominal)                              | Optional                            | ---                           |
| Cylinder Head                          | Standard                            | Cast Iron                     |
| Material -                             | Optional                            | Cast Iron                     |
| Cylinder Sleeve -Wet, dry, none        |                                     | None                          |
| Number of                              | Front                               | Two                           |
| mounting points                        | Rear                                | One                           |
| Engine Installation angle              |                                     | Vertical Plane - 3,5° (a)     |
| Taxable horsepower                     | Dia. <sup>2</sup> x No. Cyl.<br>2.5 | 55.9                          |
| Published max. bhp at engine RPM*      | Standard                            | 375 at 5000                   |
|                                        | Optional                            | 400 at 5200                   |
| Published max. torque* (lb. ft. @ RPM) | Standard                            | 495 at 2800                   |
|                                        | Optional                            | 465 at 3600                   |
| Recommended fuel                       | Standard                            | Top Premium                   |
| regular - premium                      | Optional                            | ---                           |
| Recommended idle speed (neutral)       |                                     | 700 - 800                     |

## ENGINE—PISTONS

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Material                 | Aluminum Alloy                                                                      |
| Description and finish   | Slipper-Type, Thermally-Controlled by Steel Struts, Elliptically Turned, Tin-Plated |
| Weight (piston only) oz. | 27.5                                                                                |

\* Max. bhp (brake horsepower) and max. torque corrected as defined by SAE Engine Test Code.

(Continued)

Rev. Form 3-59

(a) Horizontal Plane - 1.0° Right, Looking from Rear.



# AMA Specifications – Passenger Car

Page 3

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

MODEL 300F

## ENGINE PISTONS (Cont.)

|                    |            |        |               |
|--------------------|------------|--------|---------------|
| Clearance (limits) | Top land   |        | .042 - .048   |
|                    | Skirt      | Top    | .0005 - .0015 |
|                    |            | Bottom | ---           |
| Ring groove depth  | No. 1 ring |        | .22           |
|                    | No. 2 ring |        | .22           |
|                    | No. 3 ring |        | .21           |
|                    | No. 4 ring |        | None          |

## ENGINE—RINGS

|                                |                                                      |                                                 |
|--------------------------------|------------------------------------------------------|-------------------------------------------------|
| Function<br>(top to<br>bottom) | No. 1, oil or comp.                                  | Comp.                                           |
|                                | No. 2, oil or comp.                                  | Comp.                                           |
|                                | No. 3, oil or comp.                                  | Oil                                             |
|                                | No. 4, oil or comp.                                  | None                                            |
| Compression                    | Description -<br>material, type,<br>coating, etc.    | Cast Iron; Standard Taper and Twist, Tin-Plated |
|                                | Width                                                | .078                                            |
|                                | Gap                                                  | .013 - .025                                     |
| Oil                            | Description -<br>material, type,<br>coating, etc.    | Cast Iron, Single Piece                         |
|                                | Width                                                | .186                                            |
|                                | Gap                                                  | .013 - .025                                     |
| Expanders                      | Std: On Oil Ring Only, Tension Hump-Type; Opt.: None |                                                 |

## ENGINE—PISTON PINS

|                                     |                                          |                  |                              |  |  |
|-------------------------------------|------------------------------------------|------------------|------------------------------|--|--|
| Material                            |                                          |                  | High Manganese Steel         |  |  |
| Length                              |                                          |                  | 3.565                        |  |  |
| Diameter                            |                                          |                  | 1.094                        |  |  |
| Type                                | Locked in rod, in piston, floating, etc. |                  | Press-Fit in Rod             |  |  |
|                                     | Bushing                                  | In rod or piston | None                         |  |  |
|                                     |                                          | Material         | None                         |  |  |
| Clearance                           | In piston                                |                  | .00045 - .00075              |  |  |
|                                     | In rod                                   |                  | .0007 - .0012 (Interference) |  |  |
| Direction & amount offset in piston |                                          |                  | .09 Right                    |  |  |

## ENGINE—CONNECTING RODS

|                           |                    |  |                                                       |
|---------------------------|--------------------|--|-------------------------------------------------------|
| Material                  |                    |  | Drop-Forged Steel                                     |
| Weight (oz.)              |                    |  | 29.8                                                  |
| Length (center to center) |                    |  | 6.77                                                  |
| Bearing                   | Material & Type    |  | Lead-Base Babbitt on Steel; Removable, Precision Type |
|                           | Overall length     |  | .927                                                  |
|                           | Clearance (limits) |  | .0005 - .0025                                         |
|                           | End play           |  | .009 - .017 (2-Rods)                                  |

# AMA Specifications—Passenger Car

Page 4

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## ENGINE—CRANKSHAFT

|                                   |                                         |                             |                                                           |
|-----------------------------------|-----------------------------------------|-----------------------------|-----------------------------------------------------------|
| Material                          |                                         | Drop-Forged Steel           |                                                           |
| Vibration damper type             |                                         | Non-Adhesion Rubber Dynamic |                                                           |
| End thrust taken by bearing (No.) |                                         | #3 Center                   |                                                           |
| Crankshaft end play               |                                         | .002 - .007                 |                                                           |
| Main bearing                      | Material & type                         |                             | Lead-Base Babbitt on Steel; Removable, Precision Type (a) |
|                                   | Clearance                               |                             | .0005 - .0025                                             |
|                                   | Journal dia. and bearing overall length | No. 1                       | 2.75 x .94                                                |
|                                   |                                         | No. 2                       | 2.75 x .94                                                |
|                                   |                                         | No. 3                       | 2.75 x 1.22                                               |
|                                   |                                         | No. 4                       | 2.75 x .94                                                |
|                                   |                                         | No. 5                       | 2.75 x .94                                                |
|                                   |                                         | No. 6                       | None                                                      |
|                                   |                                         | No. 7                       | None                                                      |
| Dir. & amt. cyl. offset           |                                         | None                        |                                                           |
| Crankpin journal diameter         |                                         | 2.375                       |                                                           |

## ENGINE—CAMSHAFT

|               |                                                                                             |                            |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|
| Location      | Center of "V" Above Crankshaft                                                              |                            |
| Material      | Hardenable Cast Iron, with Cams and Drive Gear for Distributor and Oil Pump Cast Integrally |                            |
| Bearings      | Material                                                                                    | Lead-Base Babbitt on Steel |
|               | Number                                                                                      | 5                          |
| Type of Drive | Gear or chain                                                                               | Chain                      |
|               | Crankshaft gear or sprocket material                                                        | High Manganese Steel       |
|               | Camshaft gear or sprocket material                                                          | Cast Iron                  |
|               | Timing chain                                                                                | No. of links 50            |
|               |                                                                                             | Width .88                  |
|               |                                                                                             | Pitch .50                  |

## ENGINE—VALVE SYSTEM

|                                                   |                                          |                                  |
|---------------------------------------------------|------------------------------------------|----------------------------------|
| Hydraulic lifters (Std, opt, NA)                  | Standard; Mechanical Lifters Optional    |                                  |
| Valve rotator, type (Intake, exhaust)             | Low-Friction Lock on Exhaust             |                                  |
| Rocker ratio                                      | 1.5:1                                    |                                  |
| Operating tappet clearance (Indicate hot or cold) | Intake                                   | Std: Hydraulic; Opt: .016 (cold) |
|                                                   | Exhaust                                  | Std: Hydraulic; Opt: .028 (cold) |
| Timing marks on flywheel, damper, other           | Stationary Indicator on Chain Case Cover |                                  |

(a) #3 Tin-Base Babbitt on Steel

(Continued)

Rev. Form 3-59

# AMA Specifications—Passenger Car

Page 5

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## ENGINE—VALVE SYSTEM (cont.)

|         |                                |                          |                                        |              |
|---------|--------------------------------|--------------------------|----------------------------------------|--------------|
| Timing  | Intake                         | Opens (°BTC)             | Standard: 20                           | Optional: 25 |
|         |                                | Closes (°ABC)            | " 68                                   | " 79         |
|         |                                | Duration - deg.          | " 268                                  | " 284        |
|         | Exhaust                        | Opens (°BBC)             | " 60                                   | " 74         |
|         |                                | Closes (°ATC)            | " 28                                   | " 30         |
|         |                                | Duration - deg.          | " 268                                  | " 284        |
| Intake  | Valve opening overlap          |                          | " 48                                   | " 55         |
|         | Material                       |                          | Silicon-Chromium Steel                 |              |
|         | Overall length                 |                          | 4.868                                  |              |
|         | Actual overall head dia.       |                          | 2.08                                   |              |
|         | Angle of seat & face           |                          | 45°                                    |              |
|         | Seat insert material           |                          | None                                   |              |
|         | Stem diameter                  |                          | .3725                                  |              |
|         | Stem to guide clearance        |                          | .002-.004                              |              |
|         | Lift                           |                          | Std: .430; Opt.: .449 (with zero lash) |              |
|         | Outer spring press. and length | Valve closed (lb. @ in.) | 100 @ 1.86                             |              |
|         |                                | Valve open (lb. @ in.)   | 205 @ 1.43                             |              |
|         | Inner spring press. and length | Valve closed (lb. @ in.) | None (Damper only)                     |              |
|         |                                | Valve open (lb. @ in.)   | " " "                                  |              |
| Exhaust | Material                       |                          | 21-4N                                  |              |
|         | Overall length                 |                          | 4.888                                  |              |
|         | Actual overall head dia.       |                          | Std: 1.60 Opt: 1.74                    |              |
|         | Angle of seat & face           |                          | 45°                                    |              |
|         | Seat insert material           |                          | None                                   |              |
|         | Stem diameter                  |                          | .3715                                  |              |
|         | Stem to guide clearance        |                          | .002-.004                              |              |
|         | Lift                           |                          | Std: .430 Opt.: .454 (with zero lash)  |              |
|         | Outer spring press. and length | Valve closed (lb. @ in.) | 100 @ 1.86                             |              |
|         |                                | Valve open (lb. @ in.)   | 205 @ 1.43                             |              |
|         | Inner spring press. and length | Valve closed (lb. @ in.) | None (Damper only)                     |              |
|         |                                | Valve open (lb. @ in.)   | " " "                                  |              |

## ENGINE—LUBRICATION SYSTEM

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

(Continued)

Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 6

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## ENGINE—LUBRICATION SYSTEM (cont.)

|                                                             |                                                                                                                                                                                                         |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oil pump type                                               | Rotary                                                                                                                                                                                                  |
| Normal oil pressure (lb. @ engine rpm)                      | 45 - 65 @ 2000                                                                                                                                                                                          |
| Oil pressure sending unit (elect. or mech.)                 | Electrical                                                                                                                                                                                              |
| Type oil intake (floating, stationary)                      | Stationary                                                                                                                                                                                              |
| Oil filter system (full flow, partial, other)               | Full Flow                                                                                                                                                                                               |
| Filter replacement (element, complete)                      | Complete                                                                                                                                                                                                |
| Capacity of crankcase, less filter-refill (qt.)             | 5                                                                                                                                                                                                       |
| Oil grade recommended (SAE viscosity and temperature range) | Above +32° F - SAE 30, SAE 20W-40, or SAE 10W-30<br>As Low As +10° F - SAE 20W, SAE 20W-40, or SAE 10W-30<br>As Low As -10° F - SAE 10W, SAE 10W-30, or SAE 5W-20<br>Below -10° F - SAE 5W or SAE 5W-20 |
| Engine Service Requirement (MM, MS, etc.)                   | MS                                                                                                                                                                                                      |

## ENGINE—EXHAUST SYSTEM

|                                                                      |                                       |
|----------------------------------------------------------------------|---------------------------------------|
| Type (single, single with cross-over, dual, other)                   | Std.: Dual with Crossover; Opt.: Dual |
| Muffler No. & type (reverse flow, straight thru, separate resonator) | Two, Reverse Flow                     |
| Exhaust pipe dia. (O.D.)                                             | Branch                                |
| Exhaust pipe wall thickness                                          | Main                                  |
| Tail pipe diameter (O.D. & wall thickness)                           | Std.: 2.25 x .083; Opt.: 2.5 x .083   |
|                                                                      | Std.: 2.0 x .048; Opt.: 2.5 x .083    |

## ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. If used)

|                                                            |                                                |
|------------------------------------------------------------|------------------------------------------------|
| Induction type: Carburetor, fuel injection, supercharger.  | Carburetor                                     |
| Fuel Tank Capacity (gals.)                                 | 23                                             |
| Fuel Tank Filler location                                  | Behind Rear License Plate                      |
| Fuel Pump Type (elec. or mech.)                            | Mechanical                                     |
| Fuel Pump Locations                                        | Lower Right Front of Engine                    |
| Fuel Pump Pressure range                                   | 4 - 5 psi                                      |
| Vacuum booster (std., optional, none)                      | None                                           |
| Fuel Filter Type                                           | Plastic and Paper                              |
| Fuel Filter Locations                                      | Fuel Tank and Between Carburetor and Fuel Pump |
| Carburetor Make & Model No.                                | Std.: AFB 2903S; Opt.: AFB 3084S               |
| Carburetor Number of carbs., bbls. per carb. & type        | Two 4-bbl, Downdraft                           |
| Carburetor Barrel size                                     | Primary 1-7/16; Secondary 1-11/16              |
| Carburetor Choke type                                      | Std.: Automatic; Opt.: Manual                  |
| Carburetor Intake manifold heat control (exhaust or water) | Std.: Exhaust; Opt.: None                      |
| Carburetor Air clnr. type                                  | Standard                                       |
|                                                            | Optional                                       |
|                                                            | Paper Element, Replaceable                     |

# AMA Specifications – Passenger Car

Page 7

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## ENGINE—COOLING SYSTEM

|                                                             |                              |                                    |                                                |
|-------------------------------------------------------------|------------------------------|------------------------------------|------------------------------------------------|
| Type system (pressure, pressure vented, atmospheric, other) |                              |                                    | Pressure-Vent                                  |
| Radiator cap relief valve pressure                          |                              |                                    | 14 psi; 16 psi with Air Conditioning           |
| Circulation thermostat                                      | Type (choke, bypass)         |                                    | Choke, Pellet                                  |
|                                                             | Starts to open at (°F)       |                                    | 180                                            |
| Water pump                                                  | Type (centrifugal, other)    |                                    | Centrifugal                                    |
|                                                             | Number of pumps              |                                    | One                                            |
|                                                             | Drive (V-belt, other)        |                                    | V-Belt                                         |
|                                                             | Bearing type                 |                                    | Ball, Permanently Sealed                       |
| By-pass recirculation type (internal, external)             |                              |                                    | Internal                                       |
| Radiator core type (cellular, tube and fin, other)          |                              |                                    | Tube and Spacer                                |
| Cooling system capacity                                     | With heater (qt.)            |                                    | 17                                             |
|                                                             | Without heater (qt.)         |                                    | 16                                             |
|                                                             | Opt. equipment-specify (qt.) |                                    | None                                           |
| Water jackets full length of cylinder (yes, no)             |                              |                                    | No                                             |
| Water all around cylinder (yes, no)                         |                              |                                    | Yes                                            |
| Radiator hose                                               | Lower                        | Number and type (molded, straight) | One, Molded                                    |
|                                                             |                              | Inside diameter                    | 1.75                                           |
|                                                             | Upper                        | Number and type (molded, straight) | One, Molded                                    |
|                                                             |                              | Inside diameter                    | 1.5                                            |
|                                                             | By-pass                      | Number and type (molded, straight) | None                                           |
|                                                             |                              | Inside diameter                    | ---                                            |
| Fan                                                         | Number of blades & Spacing   |                                    | Seven, 60° - 45° - 59° - 47° - 54° - 50° - 45° |
|                                                             | Diameter                     |                                    | 18 without Air Cond.; 18.5 with Air Cond.      |
|                                                             | Ratio-fan to crankshaft rev. |                                    | .95 without Air Cond.; 1.3 with Air Cond.      |
|                                                             | Fan cutout type              |                                    | Silent-Flite                                   |
|                                                             | Bearing type                 |                                    | See Water Pump                                 |
| *Drive belts (Indicate belt used by letter)                 | Fan                          |                                    | See Supplement to Page 7                       |
|                                                             | Generator                    |                                    | ---                                            |
|                                                             | Water Pump                   |                                    | ---                                            |
|                                                             | Power Steering               |                                    | ---                                            |
|                                                             | Air Conditioning             |                                    | ---                                            |

Rev. Form 3-59

|                        |                          |  |
|------------------------|--------------------------|--|
| *Drive Belt Dimensions | See Supplement to Page 7 |  |
| Angle of V             | ---                      |  |
| Nominal length (SAE)   | ---                      |  |
| Width                  | ---                      |  |

# AMA Specifications -- Passenger Car

Supplement to Page 7

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## SUPPLEMENTARY INFORMATION

MODEL 300F

### Drive Belt Application

|           | Std | With AC | With Alternator |
|-----------|-----|---------|-----------------|
| CS-FWP-G  | A   |         |                 |
| CS-FWP-A  |     |         | E               |
| CS-PS     | B   | B       | F               |
| CS-FWP-IF |     | C       |                 |
| CS-G-AC   |     | 2D      |                 |

### Drive Belt Dimensions

|                     | A     | B     | C     | D     | E     | F     |
|---------------------|-------|-------|-------|-------|-------|-------|
| Angle of "V"        | 36°   |       |       |       |       |       |
| Nominal Length, SAE | 57.38 | 40.75 | 34.25 | 70.25 | 57.50 | 42.00 |
| Width               | 0.38  | 0.50  | 0.38  | 0.47  | 0.38  | 0.50  |

CS - Crankshaft  
FWP - Fan and Water Pump  
G - Generator  
A - Alternator  
PS - Power Steering  
AC - Air Conditioning

IF - Fan Idler

# AMA Specifications – Passenger Car

Page 8

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## ELECTRICAL—SUPPLY SYSTEM

|           |                               |                                        |                                        |
|-----------|-------------------------------|----------------------------------------|----------------------------------------|
| Battery   | Make and Model                | Autolite 12-H-70 and Willard HO-12-70  |                                        |
|           | Voltage Rtg. & Total Plates   | 12, 78                                 |                                        |
|           | SAE Designation & Amp Hr. Rtg | 3 SH, 70                               |                                        |
|           | Location                      | Under Hood in Left Front Fender Shield |                                        |
|           | Terminal grounded             | Negative                               |                                        |
| Generator | Make                          | Autolite                               | Alternator (Chrysler)                  |
|           | Model                         | GIM-8201-A                             | ALT-SP                                 |
|           | Type                          | Shunt Wound                            | 3-Phase, Full-Wave Rectifier           |
|           | Ratio—Gen. to Cr/s rev.       | 2.12                                   | 1.52                                   |
|           | Gen. cut-in (hot)—engine rpm  | 565                                    | 565                                    |
| Regulator | Make                          | Autolite                               | Chrysler EED                           |
|           | Model                         | VBO-4202-BC                            | 1889960                                |
|           | Type                          | Current and Voltage Control            | Voltage Control Only                   |
|           | Cutout relay                  | Closing voltage @ generator rpm        | 12.6 to 13.6 @ 1480                    |
|           |                               | Reverse current to open                | 0 - 6 Amp.                             |
|           | Regulated                     | Voltage                                | 14.3 - 14.9                            |
|           |                               | Current                                | 35                                     |
|           | Voltage test conditions       | Temperature                            | 70                                     |
|           |                               | Load                                   | 15 Min. at 7-amp - (Voltage)           |
|           |                               | Other                                  | Add'l. 15 Min. @ Rated Volts (Current) |

## ELECTRICAL—STARTING SYSTEM

|                |                           |                                                                                                                                                                                                                                                 |      |
|----------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Starting motor | Make                      | Autolite                                                                                                                                                                                                                                        |      |
|                | Model                     | MDT 6002                                                                                                                                                                                                                                        |      |
|                | Rotation (drive end view) | Clockwise                                                                                                                                                                                                                                       |      |
|                | Engine cranking speed     | Cold: 35-RPM; Hot: 150-RPM                                                                                                                                                                                                                      |      |
|                | Test conditions           | Cold: SAE 5W @ -20°F<br>Hot: SAE 30 with completely warmed engine                                                                                                                                                                               |      |
|                | Lock test                 | Amps                                                                                                                                                                                                                                            | 350  |
|                |                           | Volts                                                                                                                                                                                                                                           | 4    |
|                |                           | Torque (lb. ft.)                                                                                                                                                                                                                                | 8.5  |
|                | No load test              | Amps                                                                                                                                                                                                                                            | 80   |
|                |                           | Volts                                                                                                                                                                                                                                           | 11   |
|                |                           | RPM (min.)                                                                                                                                                                                                                                      | 3800 |
| Motor control  | Switch (solenoid; manual) | Solenoid, Positive Engagement                                                                                                                                                                                                                   |      |
|                | Starting procedure        | Manual Transmission: Depress accelerator about one-third, turn ignition key beyond "On" position.<br>TorqueFlite Trans- mission: Depress accelerator pedal about one-third, push in "N" Neutral button, turn ignition key beyond "On" position. |      |

# AMA Specifications – Passenger Car

Page 9

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## ELECTRICAL—STARTING SYSTEM (cont.)

|                           |                             |          |                    |
|---------------------------|-----------------------------|----------|--------------------|
| Motor Drive               | Engagement type             |          | Solenoid, Positive |
|                           | Pinion meshes (front, rear) |          | Front              |
|                           | Number of teeth             | Pinion   | 9                  |
|                           |                             | Flywheel | 172                |
| Flywheel tooth face width |                             |          | .375               |

## ELECTRICAL—IGNITION SYSTEM

|             |                                                               |                                  |                                                          |
|-------------|---------------------------------------------------------------|----------------------------------|----------------------------------------------------------|
| Coil        | Make                                                          |                                  | Autolite                                                 |
|             | Model                                                         |                                  | CAH-4001                                                 |
|             | Amps                                                          | Engine stopped                   | 3.1                                                      |
|             |                                                               | Engine idling                    | 2.5                                                      |
| Distributor | Make                                                          |                                  | Autolite                                                 |
|             | Model                                                         |                                  | IBS-4011                                                 |
|             | Centrifugal adv. in crankshaft degrees @ engine rpm (nominal) | Start (rpm)                      | 0 @ 650-950                                              |
|             |                                                               | Intermediate points deg. @ rpm   | 0-8.5 @ 950                                              |
|             |                                                               |                                  | 9-13 @ 1280                                              |
|             |                                                               | Max deg. @ rpm                   | 18-22 @ 4800                                             |
|             | Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)         | Start (in Hg)                    | 0 @ 7.2 - 8.9                                            |
|             |                                                               | Intermediate points, deg @ in Hg | 9-15 @ 12                                                |
|             |                                                               | Max. deg. in. Hg.                | 15-21 @ 14.5                                             |
|             | Breaker gap (in.)                                             |                                  | .014-.019                                                |
|             | Cam angle (deg.)                                              |                                  | Double-Breaker, 27-32 each, 34-40 Total                  |
| Timing      | Breaker arm tension (oz.)                                     |                                  | 17-21.5                                                  |
|             | Crankshaft deg. @ rpm.                                        |                                  | Std: 5° BTC; Opt: 10° BTC                                |
|             | Mark location                                                 |                                  | Stationary Indicator on Chain Case Cover                 |
|             | Cylinder numbering system (see page 2)                        |                                  | Left Bank: 1-3-5-7<br>Right Bank: 2-4-6-8                |
|             | Firing order (see page 2)                                     |                                  | 1-8-4-3-6-5-7-2                                          |
| Spark Plug  | Make and model                                                |                                  | Std: Autolite A-32; Opt: Autolite A-201 or Champion J-79 |
|             | Thread (mm)                                                   |                                  | 14 mm                                                    |
|             | Tightening torque (lb. ft.)                                   |                                  | 30-32                                                    |
|             | Gap                                                           |                                  | .035                                                     |
| Cable       | Conductor type                                                |                                  | Std: Resistance; Opt: Stainless Steel, Non-Resistance    |
|             | Insulation type                                               |                                  | Std: Synthetic Rubber with Neoprene Jacket; Opt: See (a) |
|             | Spark plug protector                                          |                                  | Silicone                                                 |

## ELECTRICAL—SUPPRESSION

|                  |                                      |
|------------------|--------------------------------------|
| Locations & type | Capacitor at Generator and Regulator |
|------------------|--------------------------------------|

(a) 7-mm. Silicone with Glass Inner Braid.

Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 10

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## ELECTRICAL—INSTRUMENTS AND SWITCHES

|                             |                                                     |                                                                                                                                                                                                                                                                                                                |
|-----------------------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Speed-ometer                | Make                                                | Stewart Warner                                                                                                                                                                                                                                                                                                 |
|                             | Trip odometer (yes, no)                             | No                                                                                                                                                                                                                                                                                                             |
| Charge indicator—type       |                                                     | Ammeter                                                                                                                                                                                                                                                                                                        |
| Temperature indicator—type  |                                                     | Electric, magnetic                                                                                                                                                                                                                                                                                             |
| Oil pressure indicator—type |                                                     | Electrical                                                                                                                                                                                                                                                                                                     |
| Fuel indicator—type         |                                                     | Electric, magnetic                                                                                                                                                                                                                                                                                             |
| Other                       | Tachometer                                          | Mechanical, Boudon Wire                                                                                                                                                                                                                                                                                        |
| Ignition switch             | Identify positions in order and circuits controlled | Center Position - Off<br>1st Position Clockwise - Ignition & Accessory Circuit Only<br>2nd Position Clockwise - Starter & Ignition Circuit Only<br>1st Position Counterclockwise - Accessory Circuit Only                                                                                                      |
|                             | Provision for illumination                          | Individual Lamp                                                                                                                                                                                                                                                                                                |
|                             | Location                                            | Right of Steering Column                                                                                                                                                                                                                                                                                       |
| Main lighting switch        | Identify positions and lights controlled            | Full In Position - Off<br>1st Position Out - Instrument, Tail, Parking and License Plate Lamps<br>Full Out Position - Instrument, Tail, Head and License Plate Lamps                                                                                                                                           |
| Other light switches        | Locations and lamps controlled                      | Instrument Lamp Rheostat Control - Concentric with Head Lamp Switch, Variable all Instruments; Dome Lamp - Manual Switch on Instrument Panel, Automatic Door Switch - Each Door; Stop Lamp Switch - In Master Cylinder; Directional Signal Switch - Lever on Instrument Panel                                  |
| Other switches              | Locations and devices controlled                    | Windshield Wiper Switch - Variable Speed, Left of Steering Column<br>Heater Control - Two-Speed by Push Buttons Right of Steering Column<br>Defroster Control - Push Button Right of Steering Column, Air Vent Control - Push Button Right of Steering Column, Map Light Switch - Center of Instrument Cluster |
| Windshield wiper            | Make                                                | Autolite                                                                                                                                                                                                                                                                                                       |
|                             | Type                                                | Electric                                                                                                                                                                                                                                                                                                       |
|                             | Vacuum booster provision                            | None                                                                                                                                                                                                                                                                                                           |
|                             | Washer provision                                    | Standard                                                                                                                                                                                                                                                                                                       |
| Horn                        | Type                                                | Sea Shell                                                                                                                                                                                                                                                                                                      |
|                             | Number used                                         | 2                                                                                                                                                                                                                                                                                                              |
|                             | Amp draw (each)                                     | 9-10                                                                                                                                                                                                                                                                                                           |

Rev. Form 3-59





# AMA Specifications -- Passenger Car

Supplement to Page 12

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## FUSE & CIRCUIT BREAKER DATA SUPPLEMENTARY INFORMATION

| MODEL                        | 300F        |
|------------------------------|-------------|
| Trunk Compartment Light      | Same as (c) |
| Map Light                    | Same as (c) |
| Windshield Wiper             | 6 CB        |
| Window Lift                  | 30 CB       |
| Electric Seat Adjuster       | 40 CB       |
| Top Lift                     | 30 CB       |
| Heater                       | SFE-20      |
| Front Air Conditioner        | SFE-20      |
| Rear Air Conditioner         | SFE-20      |
| Rear Window Defroster        | SFE-6       |
| Cigar Lighter (Front & Rear) | SFE-14      |
| Mirror-Matic                 | SFE-2       |
| Power Antenna                | 8 CB        |

# AMA Specifications – Passenger Car

Page 13

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## DRIVE UNITS—CLUTCH (Manual Transmission)

|                             |                                     |                       |
|-----------------------------|-------------------------------------|-----------------------|
| Make & type                 | Borg & Beck, Dry, Semicentrifugal   |                       |
| Type pressure plate springs | Coil                                |                       |
| Total plate pressure (lb.)  | 2200                                |                       |
| No. of clutch driven discs  | One                                 |                       |
| Clutch facing               | Material                            | Molded Woven Asbestos |
|                             | Outside & inside dia.               | 11.0 x 6.5            |
|                             | Total eff. area (sq.in.)            | 123.8                 |
|                             | Thickness                           | .125                  |
|                             | Engagement cushioning method        | Flat Springs, Crimped |
| Release bearing             | Type & method of lubrication        | Ball, Permanent       |
| Torsional damping           | Methods: springs, friction material | Coil Springs          |

## DRIVE UNITS—TRANSMISSIONS

|                                      |                    |
|--------------------------------------|--------------------|
| Manual (std. or opt.)                | Optional           |
| Manual with overdrive (std. or opt.) | Not Available      |
| Automatic (std. or opt.)             | TorqueFlite - Std. |

## DRIVE UNITS—MANUAL TRANSMISSION

|                                    |                      |                             |
|------------------------------------|----------------------|-----------------------------|
| Number of forward speeds           |                      | Four                        |
| Transmission ratios                | In first             | 3.35                        |
|                                    | In second            | 1.96                        |
|                                    | In third             | 1.36                        |
|                                    | In fourth            | 1.00                        |
|                                    | In reverse           | 3.11                        |
| Synchronous meshing, specify gears |                      | 1st - 2nd - 3rd - 4th       |
| Lubricant                          | Capacity (pt.)       | 3.2                         |
|                                    | Type recommended     | Multipurpose Gear Lubricant |
|                                    | SAE viscosity number | SAE 90                      |
|                                    |                      | SAE 80-90                   |
|                                    |                      | SAE 80-90                   |

Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 14

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

|                     |                                         |           |
|---------------------|-----------------------------------------|-----------|
| Overdrive           | Type (planetary or other)               | ---       |
|                     | Manual lockout (yes, no)                | ---       |
|                     | Downshift accelerator control (yes, no) | ---       |
|                     | Minimum cut-in speed                    | ---       |
|                     | Gear ratio                              | ---       |
|                     | Capacity (pt.) (Overdrive only)         | ---       |
|                     | Separate filler (yes, no)               | ---       |
|                     | Type recommended                        | ---       |
| Lu-<br>bri-<br>cant | SAE vis-<br>cosity<br>number            | Summer    |
|                     |                                         | Winter    |
|                     |                                         | Ext. cold |

## DRIVE UNITS—AUTOMATIC TRANSMISSION

|                                                                                               |                              |                                                                            |                          |
|-----------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------|--------------------------|
| Trade name                                                                                    |                              | TorqueFlite                                                                |                          |
| Type describe                                                                                 |                              | 3-Speed Automatic with Torque Converter                                    |                          |
| Method of Selection<br>(Lever, Push Button or other)                                          |                              | Push Button                                                                |                          |
| Selector Pattern                                                                              |                              | Aligned Horizontally on Instrument Panel, Left of Steering Column          |                          |
| List gear ratios Selector Pattern and<br>Indicate which are used in each<br>selector position |                              | R                                                                          | Reverse 2.2              |
|                                                                                               |                              | N                                                                          | Neutral ---              |
|                                                                                               |                              | D                                                                          | 1-2-Drive 2.45-1.45-1.00 |
|                                                                                               |                              | 2                                                                          | 1-2 2.45-1.45            |
|                                                                                               |                              | 1                                                                          | 1 2.45                   |
| Max. upshift speeds—drive range                                                               |                              | 80                                                                         |                          |
| Max. kickdown speeds—drive range                                                              |                              | 70                                                                         |                          |
| Torque<br>converter                                                                           | Number of elements           | Three                                                                      |                          |
|                                                                                               | Max. ratio at stall          | 2.2 at 1975                                                                |                          |
|                                                                                               | Type of cooling (air, water) | Water                                                                      |                          |
| Lubricant                                                                                     | Capacity—refill (pt.)        | 21                                                                         |                          |
|                                                                                               | Type recommended             | Automatic Transmission Fluid - Type A, Suffix A                            |                          |
| Special transmission<br>features                                                              |                              | Spring-loaded hydraulic valve to prevent accidental<br>reverse engagements |                          |

Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 15

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE: ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300F

## DRIVE UNITS—PROPELLER SHAFT

|                                                     |                                                    |                                         |               |
|-----------------------------------------------------|----------------------------------------------------|-----------------------------------------|---------------|
| Number used                                         |                                                    | One                                     |               |
| Type (exposed, torque tube)                         |                                                    | Exposed                                 |               |
| Outer diameter x length* x wall thickness           | Manual transmission                                | 3.25 x 59.21 x .065                     |               |
|                                                     | Overdrive transmission                             | Not Applicable                          |               |
|                                                     | Automatic transmission                             | 3.25 x 59.21 x .065                     |               |
| Inter-mediate bearing                               | Type (plain, anti-friction)                        | None                                    |               |
|                                                     | Lubrication (fitting, prepack)                     | ---                                     |               |
| Universal joints                                    | Make                                               | Detroit Universal                       |               |
|                                                     | Number used                                        | Two                                     |               |
|                                                     | 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, springs) |                                         | Rear Springs  |
| Torque taken through (torque tube or arms, springs) |                                                    | Rear Springs                            |               |

## DRIVE UNITS—REAR AXLE

|                                                 |                            |                                                                                                                                                      |
|-------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description - (incl. limited slip differential) |                            | Standard: Semi-floating, hypoid, 2-pinion differential<br>Sure-Grip: Semi-floating, hypoid, 4-pinion cam-operated clutches limit differential action |
| Drive Pinion Offset                             |                            | 1.5                                                                                                                                                  |
| No. of differential pinions                     |                            | Std. - 2, Sure-Grip - 4                                                                                                                              |
| Gear ratio and No. of teeth                     | Automatic transmission (a) | 2.93 (41-14), 3.15 (41-13), 3.23 (42-13), 3.31 (43-13), 3.54 (39-11), 3.73 (41-11)                                                                   |
|                                                 | Overdrive trans.           | ---                                                                                                                                                  |
|                                                 | Manual transmission        | 2.93 (41-14), 3.15 (41-13), 3.23 (42-13), 3.31 (43-13), 3.54 (39-11), 3.73 (41-11)                                                                   |
| Ring gear pitch diameter & O.D.                 |                            | 8.75 (41-11)                                                                                                                                         |
| Pinion adjustment (shim, other)                 |                            | Solid Shim (Washer)                                                                                                                                  |
| Pinion bearing adj. (shim, other)               |                            | Shims                                                                                                                                                |
| Wheel bearing type                              |                            | Tapered Roller Bearing                                                                                                                               |
| Lubricant                                       | Capacity (pt.)             | 3.5                                                                                                                                                  |
|                                                 | Type recommended (b)       | Multipurpose Gear Lubricant or API Service GL-4                                                                                                      |
|                                                 | SAE viscosity number       | Summer Above -10°F: SAE 90<br>Winter Below -10°F: SAE 80<br>Extreme cold Below -30°F: SAE 75                                                         |
|                                                 |                            |                                                                                                                                                      |

\*Center to center of universal joints, or to centerline of rear attachment.

Rev. Form 3-59

(a) Sure-Grip available as Special Equipment using these same ratios.

(b) When equipped with Sure-Grip differential, use only MoPar Sure-Grip differential lubricant.

# AMA Specifications – Passenger Car

Page 16

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED 300F

## DRIVE UNITS—WHEELS

|                            |                     |
|----------------------------|---------------------|
| Type & material            | Disc, Pressed Steel |
| Rim (size and flange type) | 14 x 6.5 K          |
| Attachment                 | Stud                |
| Circle diameter            | 4.5                 |
| Number and size            | Five, 1/2 - 20 NF   |

## DRIVE UNITS—TIRES

|                              |                    |                              |
|------------------------------|--------------------|------------------------------|
| Standard (List option below) | Size & ply         | 9.00 x 14                    |
|                              | Type - Nylon, etc. | Nylon "Blue Streak"          |
| Rev/mile at _____ mph.       |                    | 747 @ 30; 736 @ 60; 724 @ 90 |
| Inflation press. (cold)      | Front              | 22                           |
|                              | Rear               | 22                           |

## BRAKES—SERVICE

|                                                  |                                   |                                   |                                                                                                   |                   |                 |
|--------------------------------------------------|-----------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------|-------------------|-----------------|
| Type (duo-servo, balanced, self adjusting, etc.) |                                   |                                   | Hydraulic, Internal-Expanding, Contoured Variable-Depth Web, 3-Platform Total-Contact Brake Shoes |                   |                 |
| Power brake make & type (remote, integral, etc.) |                                   |                                   | Pedal-Assist, Vacuum - Standard                                                                   |                   |                 |
| Effective area (sq. in.)*                        |                                   |                                   | 251                                                                                               |                   |                 |
| Gross lining area (sq. in.）**                    |                                   |                                   | 251                                                                                               |                   |                 |
| Percent brake effectiveness—front                |                                   |                                   | 60                                                                                                |                   |                 |
| Drum                                             | Diameter                          | Front                             | 12                                                                                                |                   |                 |
|                                                  |                                   | Rear                              | 12                                                                                                |                   |                 |
|                                                  | Type and material                 |                                   | Centrifuse                                                                                        |                   |                 |
| Brake lining                                     | Bonded or riveted                 |                                   | Bonded                                                                                            |                   |                 |
|                                                  | Front Shoe                        | Material                          |                                                                                                   | Molded Asbestos   |                 |
|                                                  |                                   | Size (length x width x thickness) | Front wheel                                                                                       | 12.6 x 2.5 x 0.20 |                 |
|                                                  |                                   |                                   | Rear wheel                                                                                        | 12.6 x 2.5 x 0.20 |                 |
|                                                  |                                   |                                   | Segments per shoe                                                                                 |                   | One             |
|                                                  |                                   | Rear Shoe                         | Material                                                                                          |                   | Molded Asbestos |
|                                                  | Size (length x width x thickness) |                                   | Front wheel                                                                                       | 12.6 x 2.5 x 0.20 |                 |
|                                                  |                                   |                                   | Rear wheel                                                                                        | 12.6 x 2.5 x 0.20 |                 |
|                                                  |                                   |                                   | Segments per shoe                                                                                 |                   | One             |
|                                                  | Wheel cylinder bore               |                                   | Front                                                                                             | 1.125             |                 |
|                                                  |                                   | Rear                              | 1.125                                                                                             |                   |                 |
|                                                  | Master cylinder bore              |                                   |                                                                                                   | 1.125             |                 |
| Available pedal travel                           |                                   |                                   | 4.63                                                                                              |                   |                 |
| Line pressure at 100 lb. pedal load              |                                   |                                   | 1210 psi                                                                                          |                   |                 |
| Shoe clearance adjustment                        |                                   |                                   | No Major Adjustment Required                                                                      |                   |                 |

\* Excludes rivet holes, grooves, chamfers, etc.

\*\* Includes rivet holes, grooves, chamfers, etc.

Rev. Form 3-59

# AMA Specifications—Passenger Car

Page 17

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ 300 F

## BRAKES—PARKING

|                                 |                                          |                                                 |
|---------------------------------|------------------------------------------|-------------------------------------------------|
| Type of control                 |                                          | Foot Operated, Multiple Pawl Ratchet            |
| Location of control             |                                          | Under instrument Panel, Left of Steering Column |
| Operates on                     |                                          | Transmission Output Shaft                       |
| If separate from service brakes | Type (Internal or external)              | Internal                                        |
|                                 | Drum diameter                            | 7                                               |
|                                 | Lining size (length x width x thickness) | 2-Shoes, each 6.53 x 2.0 x 0.16                 |

## FRAME or UNITIZED CONSTRUCTION

|                      |                   |
|----------------------|-------------------|
| Type and description | Unit Construction |
|----------------------|-------------------|

## SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)\*

|                                    |             |                                                                                                              |
|------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| Provision for car leveling         |             | Mechanical, by manual adjustment of torsion bar rear anchor bolt                                             |
| Provision for brake dip control    |             | By inclined front upper control arms and unsymmetrical rear springs                                          |
| Provision for acc. squat control   |             | Unsymmetrical rear springs                                                                                   |
| Special provisions for car jacking |             | None                                                                                                         |
| Shock absorber front & rear        | Type        | Direct                                                                                                       |
|                                    | Make        | Own                                                                                                          |
|                                    | Piston dia. | 1.0                                                                                                          |
| Other special features *           |             | Front torsion bars are combined with outboard-mounted highly unsymmetrical semi-elliptical rear leaf springs |

## SUSPENSION—FRONT

|                      |                                                                   |
|----------------------|-------------------------------------------------------------------|
| Type and description | Independent, lateral, non-parallel control arms with torsion bars |
|----------------------|-------------------------------------------------------------------|

\* High-Rate Springs and Heavy-Duty Shock Absorbers.

(Continued)

Rev. Form 3-59

\* Air Suspension:  
 Air spring type  
 Compressor data  
 type  
 make  
 drive ratio  
 Normal operating pressures  
 spring rates  
 leveling data

# AMA Specifications – Passenger Cars

Page 18

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

MODEL \_\_\_\_\_ 300 F

## SUSPENSION FRONT (cont.)

|            |                                                     |                      |
|------------|-----------------------------------------------------|----------------------|
| Spring     | Type                                                | Torsion Bar          |
|            | Material                                            | Chromium alloy steel |
|            | Size (coil design height & I.D.; bar length x dia.) | 44 x 1.08            |
|            | Spring rate (lb. per in.)                           | Not Applicable       |
|            | Rate at wheel (lb. per in.) (a)                     | 175                  |
|            | Design load (lb. @ design height)                   | Not Applicable       |
| Stabilizer | Type (link, linkless, frameless)                    | Link Type            |
|            | Material & bar diameter                             | Steel - .81          |

## STEERING

|                                              |                                           |                        |                                              |                 |                      |
|----------------------------------------------|-------------------------------------------|------------------------|----------------------------------------------|-----------------|----------------------|
| Mechanical (std., opt., NA)                  |                                           |                        |                                              | Not Available   |                      |
| Power (std., opt., NA)                       |                                           |                        |                                              | Standard        |                      |
| Wheel diameter                               |                                           |                        |                                              | 16.78 x 16.02   |                      |
| Turning diameter                             | Outside front                             | Wall to wall (l. & r.) |                                              | 49.7            |                      |
|                                              |                                           | Curb to curb (l. & r.) |                                              | 46.6            |                      |
|                                              | Inside rear                               | Wall to wall (l. & r.) |                                              | 29.2            |                      |
|                                              |                                           | Curb to curb (l. & r.) |                                              | 29.9            |                      |
| Outside wheel angle with inside wheel at 20° |                                           |                        |                                              | 18° 44'         |                      |
| Mechanical                                   | Gear                                      | Type                   |                                              | ---             |                      |
|                                              |                                           | Make                   |                                              | ---             |                      |
|                                              |                                           | Ratios                 | Gear                                         | ---             |                      |
|                                              |                                           |                        | Overall                                      | ---             |                      |
|                                              | No. wheel turns                           |                        | ---                                          |                 |                      |
| Power                                        | Type (coaxial, linkage, etc.)             |                        | Integral                                     |                 |                      |
|                                              | Make                                      |                        | Own                                          |                 |                      |
|                                              | Trade name                                |                        | Constant-Control                             |                 |                      |
|                                              | Gear                                      | Type                   |                                              | Rack and Sector |                      |
|                                              |                                           | Ratios                 | Gear                                         | 15.7            |                      |
|                                              |                                           |                        | Overall                                      | 19.4            |                      |
|                                              |                                           |                        | Pump driven by                               |                 | Belt from C/S Pulley |
|                                              | Number wheel turns                        |                        | 3.5                                          |                 |                      |
| Linkage                                      | Type                                      |                        | Symmetrical idler arm, equal length tie rods |                 |                      |
|                                              | Location (front or rear of wheels, other) |                        | Rear                                         |                 |                      |
|                                              | Drag link (trans. or longit.)             |                        | Transverse                                   |                 |                      |
|                                              | Tie rods (one or two)                     |                        | Two                                          |                 |                      |

(a) Without Tires

(Continued)

Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 19

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_  
 MODEL \_\_\_\_\_ 300 F

## STEERING (cont)

|                                       |                               |               |                                                                             |
|---------------------------------------|-------------------------------|---------------|-----------------------------------------------------------------------------|
| Steering Axis                         | Inclination at camber (deg.)  |               | 6-1/2 @ 0°                                                                  |
|                                       | Bearings (type)               | Upper         | Ball Joint                                                                  |
|                                       |                               | Lower         | Ball Joint                                                                  |
|                                       |                               | Thrust        | Oil-impregnated, Sintered Metal                                             |
| Wheel alignment (range and preferred) | Caster (deg.)                 |               | Power Steering: + 3/4° ± 1/2°                                               |
|                                       | Camber (deg.)                 |               | Left: + 3/8° ± 1/4° (Prefer + 3/8°)<br>Right: + 1/8° ± 1/4° (Prefer + 1/8°) |
|                                       | Toe-in (outside tread-inches) |               | 3/32 to 5/32 (Prefer 1/8")                                                  |
|                                       | Steering spindle & joint type |               | Ball Socket                                                                 |
| Wheel spindle                         | Diameter                      | Inner bearing | 1.25"                                                                       |
|                                       |                               | Outer bearing | 0.75"                                                                       |
|                                       | Thread size                   |               | 3/4 - 16 NF                                                                 |
|                                       | Bearing type                  |               | Tapered Roller                                                              |

## SUSPENSION—REAR

|                                             |                                                                       |               |                                  |                                              |  |
|---------------------------------------------|-----------------------------------------------------------------------|---------------|----------------------------------|----------------------------------------------|--|
| Type and description                        |                                                                       |               | Outboard, Parallel, Longitudinal |                                              |  |
| Drive and torq. taken through (see page 15) |                                                                       |               | Rear Springs                     |                                              |  |
| Spring                                      | Type                                                                  |               | Leaf                             |                                              |  |
|                                             | Material                                                              |               | Steel                            |                                              |  |
|                                             | Size (length x width, coil design height and I.D.; bar length & dia.) |               | 60 x 2.5                         |                                              |  |
|                                             | Spring rate (lb. per in.)                                             |               | 130-140                          |                                              |  |
|                                             | Rate at wheel (lb. per in.)                                           |               | 190                              |                                              |  |
|                                             | Design load (lb. at design height)                                    |               | R: 650, L: 700 @ -.375           |                                              |  |
|                                             | Mounting insulation type                                              |               | Rubber                           |                                              |  |
|                                             | If leaf                                                               | No. of leaves |                                  | 7                                            |  |
|                                             |                                                                       | Inserts       | Type and size                    | 4 @ 2.5; 4 @ 3.5                             |  |
|                                             |                                                                       |               | Material                         | Front: Plastic; Rear: Wax Impregnated Fabric |  |
| Shackle (comp. or tens.)                    |                                                                       | Compression   |                                  |                                              |  |
| Stabilizer                                  | Type (link, linkless, frameless)                                      |               | None                             |                                              |  |
|                                             | Material                                                              |               | ---                              |                                              |  |
| Track bar type                              |                                                                       |               | None                             |                                              |  |

Rev. Form 3-59

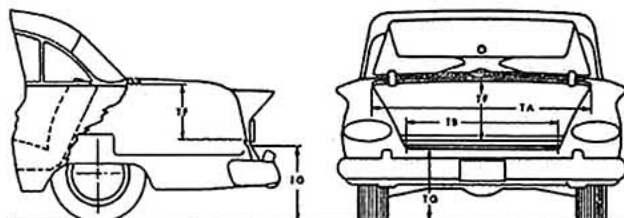
MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. 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 Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., HA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. Unless otherwise specified all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

## BODY—TRUNK DIMENSIONS



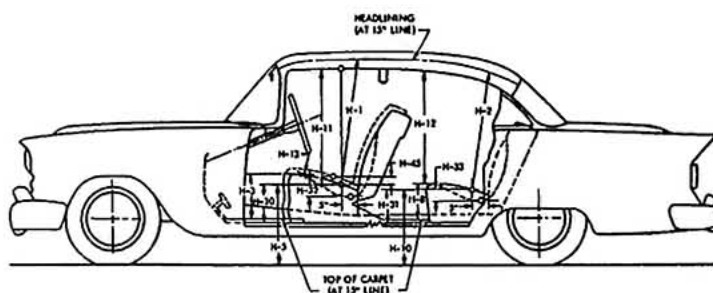
| MODEL                                                                                                  | 300 F | 2-Door Hardtop                 | Convertible Coupe |
|--------------------------------------------------------------------------------------------------------|-------|--------------------------------|-------------------|
| Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)                    |       | 18.4                           | 13.4              |
| Total trunk volume in cu. ft. with spare tire in place                                                 |       | 34.1                           | 31.1              |
| TA—Width across the top                                                                                |       | 57.4                           |                   |
| TB—Width across the bottom                                                                             |       | 50.0                           |                   |
| TF—Vertical dimension at C/L from bottom to top of opening                                             |       | 9.1                            |                   |
| TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded) |       | 26.6                           |                   |
| Position of spare tire stowage                                                                         |       | Horizontal, Left Side of Trunk |                   |
| Method of holding lid open                                                                             |       | Torsion Bar                    |                   |

# AMA Specifications – Passenger Car

Page 21

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## BODY—HEIGHT DIMENSIONS—INTERIOR

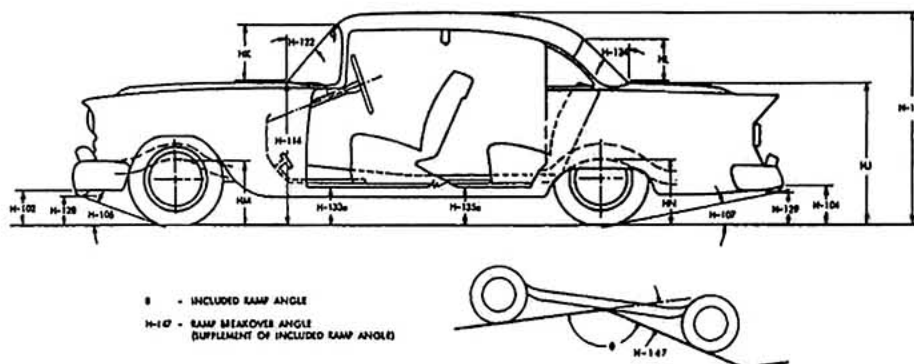


| MODEL                                                                                                    | 300F | 2-Dr. Hardtop | Convertible Coupe |
|----------------------------------------------------------------------------------------------------------|------|---------------|-------------------|
| H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20) |      | 34.1          | 35.5              |
| H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical                                     |      | 34.2          | 35.0              |
| H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)                    |      |               | 11.3              |
| H5. Free "A" pt. to ground, front. Measured vertically                                                   |      |               | 20.0              |
| H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)                     |      |               | 11.6              |
| H10. Free "A" point to ground rear. Measured vertically                                                  |      |               | 18.4              |
| H11. Entrance, front. Free "A" point to bottom of windcord, vertical                                     |      |               | 29.3              |
| H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat                     |      |               | ---               |
| H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)             |      |               | 6.4               |
| H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line         |      |               | 9.7               |
| H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line          |      |               | 7.7               |
| H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point        |      |               | 4.0               |
| H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point         |      |               | 4.0               |
| H45. Front seat maximum vertical rise at free "A" point                                                  |      |               | 1.3               |

# AMA Specifications— Passenger Car

Page 22

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE: ISSUED 11-18-59 REVISED \_\_\_\_\_  
**BODY—HEIGHT DIMENSIONS—EXTERIOR**



NOTE: For dimensions to lamps see page 12.

| MODEL                                                                                                 | 300 F | 2-Dr. Hardtop  | Convertible Coupe |
|-------------------------------------------------------------------------------------------------------|-------|----------------|-------------------|
| H101. Overall height, full design load                                                                |       | 55.1           | 55.5              |
| H102. Overall height, curb weight                                                                     |       | 56.7           | 57.1              |
| H102. Front bumper bottom to ground at normal section, min. height                                    |       | 10.1           |                   |
| H104. Rear bumper bottom to ground at normal section, min. height                                     |       | 11.0           |                   |
| H106. Angle of approach. To interfering point on bumper, guard, other                                 |       | 16.3°          |                   |
| H107. Angle of departure. To interfering point on bumper, guard, other                                |       | 10.5°          |                   |
| H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl |       | 39.4           |                   |
| H122. Windshield normal slope angle to vertical line on car C/L                                       |       | 50° 30'        |                   |
| H124. Backlight normal slope angle to vertical line on car C/L                                        |       | 60°            | 61°               |
| H128. Bottom of front bumper guard to ground                                                          |       | Not Applicable |                   |
| H129. Bottom of rear bumper guard to ground                                                           |       | Not Applicable |                   |
| H133a. Bottom of front door to ground, min. dimension                                                 |       | 14.5           |                   |
| H135a. Bottom of rear door to ground, min. dimension                                                  |       | ---            |                   |
| H147. Ramp breakover angle                                                                            |       | 10.6°          |                   |
| H153. Min. road clearance at rear axle                                                                |       | 7.6            |                   |
| H156. Min. road clearance and location (a)                                                            |       | 5.8            |                   |
| HJ. Deck at rear window to ground                                                                     |       | 37.9           |                   |
| HK. Windshield DLO*. Vertical height at C/L                                                           |       | 14.7           |                   |
| HL. Back light DLO*. Vertical height at C/L                                                           |       | 13.6           | 12.1              |
| HM. Bottom of frame to ground at C/L of front axle, min. height                                       |       | 12.6           |                   |
| HN. Bottom of frame to ground at C/L of rear axle, min. height                                        |       | 18.3           |                   |

\* See Note, page 20

Rev: Form 3-59

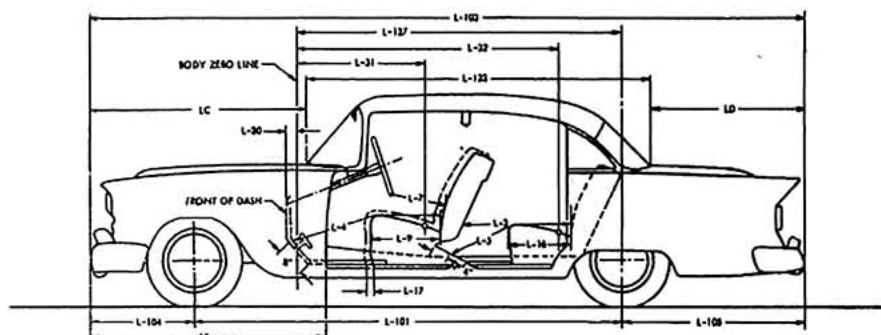
(a) At Muffler.

# AMA Specifications—Passenger Car

Page 23

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## BODY—LENGTH DIMENSIONS



| MODEL    | 300 F                                                                         | 2-Dr. Hardtop | Convertible Coupe |
|----------|-------------------------------------------------------------------------------|---------------|-------------------|
| Interior | L3. Rear compartment room. Back of front seat back to front of rear seat back | 28.6          |                   |
|          | L4. Leg room, front. Ball of foot to top of seat to seat back                 | 45.6          |                   |
|          | L5. Leg room, rear. Ball of foot to top of seat to seat back                  | 35.4          |                   |
|          | L7. Steering wheel clearance to seat back taken on arc                        | 16.3          |                   |
|          | L9. Front seat depth. Front edge to vert. tan. of seat back                   | 19.0          |                   |
|          | L16. Rear seat depth. Front edge to vert. tan. of seat back                   | 17.8          |                   |
|          | L17. Maximum "A" point horizontal travel with normal seat adjustment          | 4.5           |                   |
|          | L30. Vertical body zero line to actual front of dash. Measured horizontally*  | 3.7           |                   |
|          | L31. Vertical body zero line to free "A" point, front                         | 39.0          |                   |
|          | L32. Vertical body zero line to free "A" point, rear                          | 71.2          |                   |
| Exterior | L101. Wheelbase                                                               | 126.0         |                   |
|          | L103. Overall length. Incl. bumper guards if standard equipment               | 219.6         |                   |
|          | L104. Overhang, front. Include bumper guards if stand. eq.                    | 34.7          |                   |
|          | L105. Overhang, rear. Include bumper guards if stand. eq.                     | 58.9          |                   |
|          | L123a. Body upper structure length at C/L, excl. molding                      | 106.2         | 109.0             |
|          | L127. Vertical body zero line to centerline of rear wheels                    | 102.0         |                   |
|          | LC. Front of car to base windshield, excl. molding                            | 62.4          |                   |
|          | LD. Rear of car to base of rear window or upper structure, excl. molding      | 51.0          | 48.2              |
|          | LE. Front of car to front edge of front door                                  | 67.3          |                   |

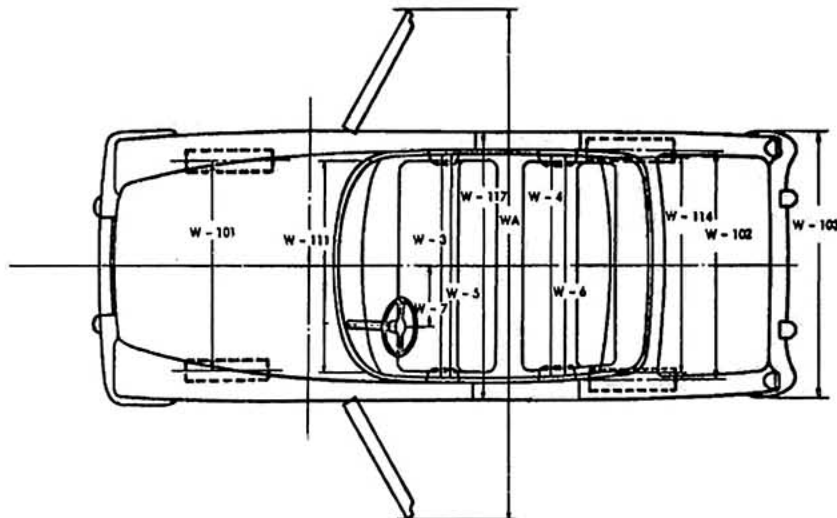
\* Precede figure with minus sign if front of dash is to rear of body zero line.

# AMA Specifications—Passenger Car

Page 24

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE ISSUED 11-18-59 REVISED \_\_\_\_\_

## BODY—WIDTH DIMENSIONS



| MODEL    |                                                                                                    | 300F                              | 2-Dr. Hardtop | Convertible Coupe |
|----------|----------------------------------------------------------------------------------------------------|-----------------------------------|---------------|-------------------|
| Interior | W3. Front shoulder room, at garnish molding height or nearest interference 5" forward of seat back | Not Applicable - Individual Seats |               |                   |
|          | W4. Rear shoulder room, at garnish molding height or nearest interference 5" forward of seat back  | " "                               |               |                   |
|          | W5. Front hip room, at top of seat 5" forward of vert. tan. to seat back                           | " "                               |               |                   |
|          | W6. Rear hip room, at top of seat 5" forward of vert. tan. to seat back                            | " "                               |               |                   |
|          | W7. Steering wheel center (on surface plane of wheel) to C/L of body                               | 16.1                              |               |                   |
| Exterior | W101. Front tread at ground                                                                        | 61.2                              |               |                   |
|          | W102. Rear tread at ground                                                                         | 60.0                              |               |                   |
|          | W103. Max. overall width of car including bumpers or moldings                                      | 79.4                              |               |                   |
|          | WA. Max. overall width of car with doors open (2 & 4 door)                                         | 167.8                             |               |                   |
|          | W111. Windshield DLO, max. width                                                                   | 58.9                              |               |                   |
|          | W114. Back window DLO, max. width                                                                  | 61.6                              | 57.7          |                   |
|          | W117. Max. body width at center pillar, less hardware and applied moldings                         | 76.1                              |               |                   |

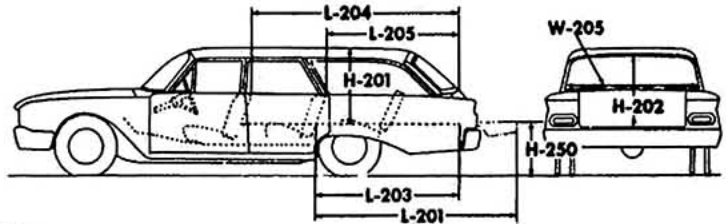
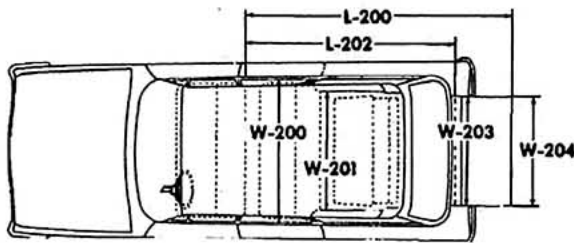
Rev. Form 3-59

# AMA Specifications – Passenger Car

Page 25

MAKE OF CAR CHRYSLER MODEL YEAR 1960 DATE: ISSUED 11-18-59 REVISED \_\_\_\_\_

## STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

| MODEL                                | 300F                                                                                                                | Not Applicable |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------|
| L200                                 | Floor length from back of front seat at floor level to end of lowered tail gate                                     |                |
| L201                                 | Floor length from back of second seat at floor level to end of lowered tail gate                                    |                |
| L202                                 | Floor length from back of front seat at floor level to inside of closed tail gate                                   |                |
| L203                                 | Floor length from back of second seat at floor level to inside of closed tail gate                                  |                |
| L204                                 | Minimum horizontal distance from top rear of front seat back to inside of top of tail gate                          |                |
| L205                                 | Minimum horizontal distance from top rear of second seat back to inside of top of tail gate                         |                |
| W200a                                | Maximum width of cargo space at floor, specify location                                                             |                |
| W201                                 | Minimum distance between wheel houses at floor level                                                                |                |
| W203                                 | Rear end opening width at floor                                                                                     |                |
| W204                                 | Rear end opening width at top of tail gate                                                                          |                |
| W205                                 | Maximum width of rear opening above raised tail gate                                                                |                |
| H201                                 | Maximum height, floor covering to headlining                                                                        |                |
| H202                                 | Maximum height of rear opening, tail and lift gates open                                                            |                |
| H250                                 | Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight |                |
| Third Seat, facing direction         |                                                                                                                     |                |
| Tail and lift gates or sliding glass |                                                                                                                     |                |



## Page 27

### MAJOR OPTIONAL ITEMS - WEIGHTS

Rev. Form 3-59

## INDEX

| SUBJECT                                        | PAGE NO.         | SUBJECT                                        | PAGE NO.         |
|------------------------------------------------|------------------|------------------------------------------------|------------------|
| Air Suspension . . . . .                       | 17               | Lamp Bulbs . . . . .                           | 11               |
| Angles of Approach, Departure . . . . .        | 22               | Lamp Height & Spacing . . . . .                | 12               |
| Automatic Transmission . . . . .               | 1, 14            | Legroom . . . . .                              | 23               |
| Axis, Steering . . . . .                       | 19               | Lengths – Car, & Body Interior . . . . .       | 1, 23            |
| Axle, Rear . . . . .                           | 1, 15            | Lifters, Valve . . . . .                       | 4                |
|                                                |                  | Linings – Clutch, Brake . . . . .              | 13, 16           |
| Battery . . . . .                              | 8                | Lubrication . . . . .                          | 5, 6, 13, 14, 15 |
| Bearings, Engine . . . . .                     | 3, 4, 7          | Motor, Starting . . . . .                      | 8                |
| Belts – Fan, Generator, Water Pump . . . . .   | 7                | Muffler . . . . .                              | 6                |
| Body – General Information, Types . . . . .    | 20-26            | Overdrive . . . . .                            | 14               |
| Height Dimensions . . . . .                    | 21, 22           | Piston Pins & Rings . . . . .                  | 3                |
| Length Dimensions . . . . .                    | 23               | Pistons . . . . .                              | 2, 3             |
| Overall Dimensions . . . . .                   | 1, 22, 23, 24    | Power Brakes . . . . .                         | 16               |
| Trunk Capacities, Opening Dimensions . . . . . | 20               | Power Steering . . . . .                       | 18               |
| Width Dimensions . . . . .                     | 24               | Propeller Shaft, Universal Joints . . . . .    | 15               |
| Brakes – Parking, Service, Power . . . . .     | 16, 17           | Pumps – Oil, Fuel . . . . .                    | 6                |
|                                                |                  | Water . . . . .                                | 7                |
| Camber . . . . .                               | 19               | Radiator, Hoses . . . . .                      | 7                |
| Camshaft . . . . .                             | 4                | Ramp Break-over Angle . . . . .                | 22               |
| Capacities . . . . .                           |                  | Ratios – Axle . . . . .                        | 1, 15            |
| Cooling System . . . . .                       | 7                | Compression . . . . .                          | 1, 2             |
| Fuel Tank . . . . .                            | 6                | Steering . . . . .                             | 18               |
| Lubricants . . . . .                           |                  | Transmission . . . . .                         | 13, 14           |
| Engine Crankcase . . . . .                     | 6                | Rear Axle . . . . .                            | 1, 15            |
| Transmission and Overdrive . . . . .           | 13, 14           | Regulator – Generator . . . . .                | 8                |
| Rear Axle . . . . .                            | 15               | Rims . . . . .                                 | 16               |
| Carburetor . . . . .                           | 6                | Rings, Piston . . . . .                        | 3                |
| Caster . . . . .                               | 19               | Rods – Connecting . . . . .                    | 3                |
| Choke, Automatic . . . . .                     | 6                | Shock Absorbers, Front & Rear . . . . .        | 17               |
| Circuit Breakers, Fuses . . . . .              | 12               | Spark Plugs . . . . .                          | 9                |
| Clearance, Ground . . . . .                    | 22               | Speedometer . . . . .                          | 10               |
| Clutch – Pedal Operated . . . . .              | 13               | Springs – Front & Rear Suspension . . . . .    | 18, 19           |
| Coil, Ignition . . . . .                       | 9                | Valve, Engine . . . . .                        | 5                |
| Connecting Rods . . . . .                      | 3                | Stabilizer (Sway Bar) – Front & Rear . . . . . | 18, 19           |
| Cooling System . . . . .                       | 7                | Starting Motor . . . . .                       | 8                |
| Crankshaft . . . . .                           | 4                | Steering . . . . .                             | 18, 19           |
| Cylinders and Cylinder Head . . . . .          | 2                | Suppression – Ignition, Radio . . . . .        | 9                |
|                                                |                  | Suspension – Front & Rear . . . . .            | 17, 18, 19       |
| Distributor – Ignition . . . . .               | 9                | Switches . . . . .                             | 10               |
| Electrical System . . . . .                    | 8, 9, 10, 11, 12 | Tailpipe . . . . .                             | 6                |
| Engine . . . . .                               |                  | Thermostat, Cooling . . . . .                  | 7                |
| Bore, Stroke, Displacement, Type . . . . .     | 1, 2             | Timing, Engine & Valve . . . . .               | 4, 5, 9          |
| Compression Ratio . . . . .                    | 1, 2             | Tires . . . . .                                | 1, 16            |
| Firing Order, Cylinder Numbering . . . . .     | 2, 9             | Toe in . . . . .                               | 19               |
| General Information, H.P. & Torque . . . . .   | 1, 2             | Torque Converter . . . . .                     | 14               |
| Lubrication . . . . .                          | 5, 6             | Torque – Engine, Rated . . . . .               | 1, 2             |
| Exhaust System . . . . .                       | 6                | Transmission – Types . . . . .                 | 1, 13, 14        |
| Fan, Cooling . . . . .                         | 7                | Automatic . . . . .                            | 1, 14            |
| Filters – Engine Oil, Fuel System . . . . .    | 6                | Manual & Overdrive . . . . .                   | 13, 14           |
| Frame . . . . .                                | 17               | Ratios . . . . .                               | 13, 14           |
| Front Suspension . . . . .                     | 17, 18           | Tread . . . . .                                | 1, 24            |
| Fuel, Fuel Pump, Fuel System . . . . .         | 1, 2, 6          | Turning Diameter . . . . .                     | 18               |
| Fuel Injection . . . . .                       | 1, 6             | Unitized Construction . . . . .                | 17               |
| Fuses, Circuit Breakers . . . . .              | 12               | Universal Joints, Propeller Shaft . . . . .    | 15               |
| Generator and Regulator . . . . .              | 8                | Valves – Intake & Exhaust . . . . .            | 4, 5             |
| Glass . . . . .                                | 22, 24, 26       | Vibration Damper . . . . .                     | 4                |
| Height (Lamps) . . . . .                       | 12               | Voltage Regulator . . . . .                    | 8                |
| Headroom – Body . . . . .                      | 21               | Water Pump . . . . .                           | 7                |
| Heights – Car & Body . . . . .                 | 1, 21, 22        | Weights – Shipping, Curb . . . . .             | 27               |
| Hood . . . . .                                 | 26               | Wheel Alignment . . . . .                      | 19               |
| Horns . . . . .                                | 10               | Wheelbase . . . . .                            | 1, 23            |
| Horsepower – Brake, Rated, Taxable . . . . .   | 1, 2             | Wheels & Tires . . . . .                       | 16               |
| Ignition System . . . . .                      | 9                | Wheel Spindle . . . . .                        | 19               |
| Inflation – Tires . . . . .                    | 16               | Widths – Car & Body . . . . .                  | 1, 24            |
| Instruments . . . . .                          | 6, 10            | Windshield . . . . .                           | 22, 24, 26       |
| Kingpin (Steering Axis) . . . . .              | 19               | Windshield Wiper . . . . .                     | 10               |