

**QUICK REFERENCE INDEX** To use, bend manual back to expose black spots on pages of the various sections. Then, by means of the index arrows on this page, locate the corresponding black spots on the first page of the section you desire to find.

# 1963 Imperial and Chrysler SERVICE MANUAL

## MODELS

**TC-1 (NEWPORT) TC-2 (300)  
TC-3 (NEW YORKER) TY-1 (IMPERIAL)**

This Service Manual is compiled as a reference and guide to provide the Imperial and Chrysler Service Technicians with the proper adjustments and repair procedures for servicing the 1963 Imperial and Chrysler Vehicles. Supplementary Service Bulletins issued from time to time and an understanding of the material compiled herein, will assist the service personnel to maintain the quality standards built into the Imperial and Chrysler Vehicles.

In order to use the Service Manual to the best advantage, the corresponding or superseding vehicle models must be understood. The supersedence of these models is as follows:

### CHRYSLER MODELS

	1963		1962
Newport	TC-1	Newport	SC-1
300*	TC-2	300*	SC-2
New Yorker	TC-3	New Yorker	SC-3
*C-300J	TC-2-300J	*C-300H	SC-2-300H

### IMPERIAL MODELS

Custom, Crown, LeBaron	TY-1	Custom, Crown, LeBaron	SY-1

The service tools referred to in this Manual are available through the Miller Manufacturing Company, 17640 Grand River Avenue, Detroit 27, Michigan, U.S.A. unless otherwise specified.

Extra copies of this Manual are available at \$5.00 each under Part Number 81-070-3081. Order from Chrysler-Plymouth Division, Service Department, P.O. Box 1658, Detroit 31, Michigan.

### CHRYSLER-PLYMOUTH DIVISION

Chrysler Corporation  
**DETROIT 31, MICHIGAN**

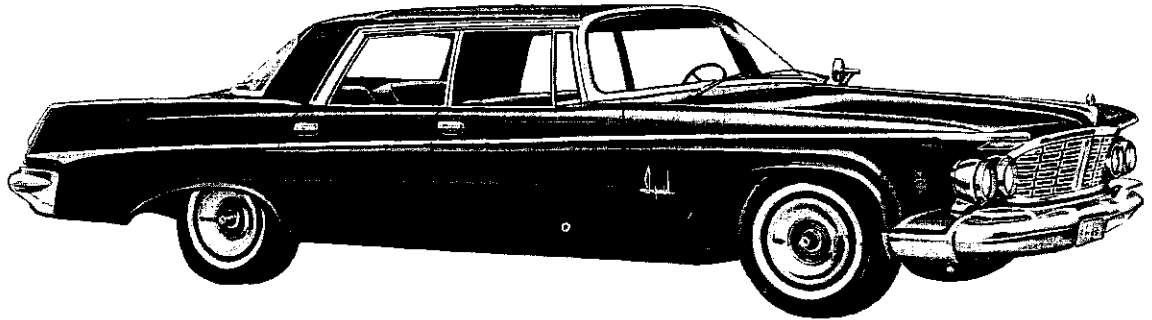
Chrysler Corporation reserves the right to make changes in design or to make additions to or improvements in its product without imposing any obligations upon itself to install them on its products previously manufactured.

## GROUP INDEX

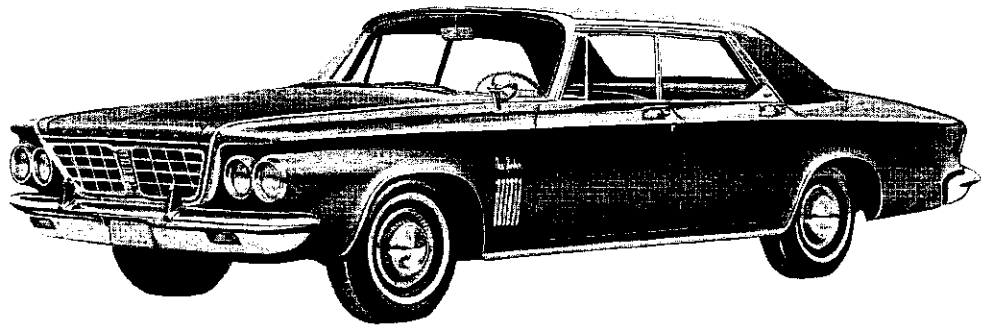
Group	Title
	Introduction and General Specifications
<b>0</b>	Lubrication and Maintenance
<b>1</b>	Accessories (Radios, Heaters, Mirrors)
<b>2</b>	Front Suspension
<b>3</b>	Rear Axle
<b>5</b>	Brakes
<b>6</b>	Clutch
<b>7</b>	Cooling System
<b>8</b>	Electrical and Instruments
<b>9</b>	Engine
<b>10</b>	Engine Oiling System
<b>11</b>	Exhaust System
<b>13</b>	Frame
<b>14</b>	Fuel System (Pump, Carburetor, Tank)
<b>16</b>	Propeller Shaft and Universal Joints
<b>17</b>	Springs and Shock Absorbers
<b>19</b>	Steering Gear (Pumps, Steering Gear Arm, Idler Arm)
<b>21</b>	Transmission (Torque Converter)
<b>22</b>	Wheels, Bearings and Tires
<b>23</b>	Body and Sheet Metal
<b>24</b>	Air-Conditioning

**2 INTRODUCTION AND GENERAL SPECIFICATIONS**

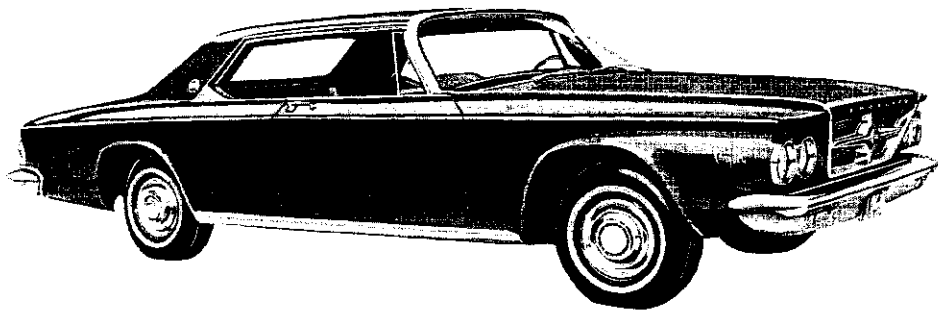
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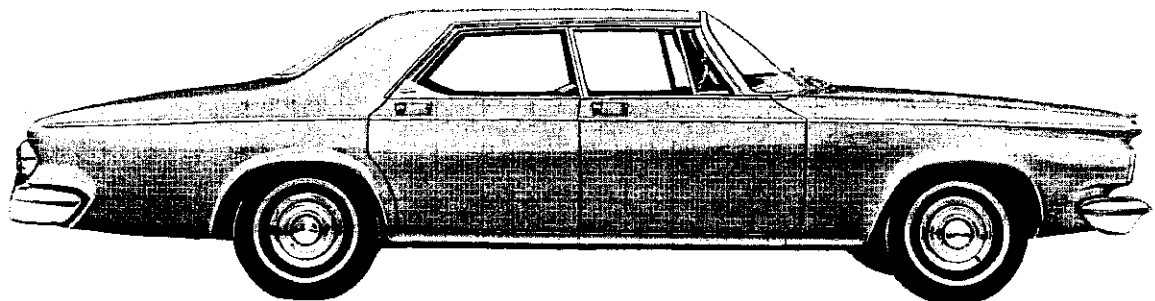
**TY-1 IMPERIAL CUSTOM FOUR-DOOR HARDTOP**



**TC-3 NEW YORKER FOUR-DOOR HARDTOP**



**TC-2-300 TWO-DOOR HARDTOP**



**TC-1 NEWPORT FOUR-DOOR HARDTOP**

63 x 424

**Fig. 1—1963 Imperial and Chrysler Models**

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## FACTORY CONTACT

The following outline of the proper procedure to use in obtaining assistance or advice on any matter applying to Service will insure your inquiries receiving prompt attention and handling. Make certain those members of your organization who might have the occasion to contact either your Regional Office or the factory, are thoroughly familiar with this procedure. All matters pertaining in any way to Warranty Service Claims, or of a technical nature, should be handled by you direct with your Regional Service Office. When in doubt as to the proper procedure to follow in the handling of a claim or complaint, prompt results can be obtained through a letter, telegram or phone call to your Regional Service Office—making certain to include all necessary information. If the aid of a Service Representative is necessary, the Regional Office will arrange for his contact as promptly as circumstances permit.

Letters or telegrams to the Regional Service Office, should be confined to one subject only and should include the following information:

Car Serial Number	Owner's Name
Date of Sale	Mileage

Complete description of difficulty, corrective action taken, your recommendations as to what should be done and the reason for so doing.

Include Paint and Trim Code Numbers where finish, upholstery, body or sheet metal is involved, and estimate of net cost of repairs.

### CHRYSLER-PLYMOUTH DIVISION

With the exception of orders for parts or parts literature, all requests for Imperial, Chrysler, Plymouth or Valiant Service literature such as Service Bulletins, Service Manuals, Owner Manuals, Time Schedules, W.S.C's or other Chrysler—Plymouth Division Service literature, should be addressed to:

(Letters)	(Telegrams)
Chrysler Corporation	Chrysler - Plymouth Division
Chrysler - Plymouth Division	Attention,
Service Department	(Name of person to whom sent)
P.O. Box 1658	WUX
Detroit 31, Michigan	Detroit, Michigan

(Phone) 822-4700

NOTE: Please make certain to include the Code WUX on all telegrams to the Chrysler-Plymouth Division as this insures delivery direct to our Teleprint Room thus eliminating delay.

### MASTER TECHNICIANS SERVICE CONFERENCE

All correspondence concerning enrollment in the M.T.S.C. Program, issuance of awards, orders for additional material, the return of reports, or any other matters relating to this program, should be addressed to:

Master Technician Service Conference  
 Chrysler Corporation Training Center  
 P.O. Box 2119  
 Detroit 31, Michigan  
 (Phone) 539-3000

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## PARTS DIVISION

### General

ALL orders for parts or accessories, emergency or otherwise, should be forwarded direct to your usual source of supply or to the parts plant listed below serving the area in which you are located.

To insure your receiving the parts required by you more promptly, close attention should be given to the procedure listed under "Ordering Information" and "Your Parts Orders" in the introductory front part of all MoPar Parts Lists. Particularly where parts are ordered for a specific car, it is very essential that your order include the car serial and engine numbers, and in the case of body parts, the body number.

#### **CENTER LINE, MICHIGAN**

**Mail Address:**

Chrysler Motors Corporation  
Center Line Parts Plant  
P.O. Box 300  
Center Line, Michigan  
**Telephone**—Detroit  
539-3000

#### **NEWARK, DELAWARE**

**Mail Address:**

Chrysler Motors Corporation  
Delaware Parts Plant  
South College Avenue  
P.O. Box 120  
Newark, Delaware  
**Telephone**—Newark  
Endicott 8-2521

#### **SAN LEANDRO, CALIFORNIA**

**Mail Address:**

Chrysler Motors Corporation  
San Leandro Parts Plant  
1950 Davis Street  
San Leandro, California  
**Telephone**—San Leandro  
Neptune 8-6200

#### **ATLANTA, GEORGIA**

**Mail Address:**

Chrysler Motors Corporation  
Atlanta Parts Plant  
1150 Murphy Avenue, S.W.  
P.O. Box 10786  
Atlanta 10, Georgia  
**Telephone**—Atlanta  
Plaza 5-2531.

#### **KANSAS CITY, KANSAS**

**Mail Address:**

Chrysler Motors Corporation  
Kansas City Parts Plant  
Funston & Chrysler Roads  
Kansas City 15, Kansas  
**Telephone**—Kansas City, Kansas  
Fairfax 1-3300

### Parts Division Literature

Request for Parts Division literature such as Parts Books, Parts Price Lists, Parts Bulletins, etc., should be forwarded direct to:

Chrysler Motors Corporation  
P.O. Box 1718  
Detroit 31, Michigan  
Attention: Parts Catalog Department

### Shortage of Accessories or Other Equipment on New Cars

Before placing an order for missing accessories, other parts or equipment, on new cars received, examine the vehicle for the presence of a "back order" notice, which if present, will be found attached to the bracket for the inside rear view mirror. Such back-ordered short items will be shipped from the assembly plant as soon as stock is available, and should not be ordered from the Parts Division.

### Emergency Orders

Where a part required for an "Emergency" is not readily available from your usual parts source, an order plainly marked "Emergency Order" and including complete details on the need for the materials, should be placed with the above parts plant serving the area in which you are located. Orders so marked and which are, in the opinion of the Parts Division, for a bona fide immediate emergency need, will receive emergency handling. **Emergency orders should not be forwarded to the Division Service Department.**

Should the occasion arise that the part required is not available at the plant ordered from, you will be notified that the part is on back-order. In the meantime, your order will continue to receive emergency handling by the Parts Division with shipment being made as promptly as it is available.

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## LICENSE DATA

The following revised method of numbering vehicles and their engines will be used on the 1963 Models.

This revision will provide the Sales Department with the information desired as to model, year built and the serial number.

The starting vehicle number will be as follows:

### CHRYSLER MODELS

TC-1 Newport .....	81-33100001
TC-1 Newport (Town and Country) ..	85-33100001
TC-2 300* .....	82-33100001
TC-3 New Yorker .....	83-33100001
TC-3 New Yorker (Town and Country)	87-33100001
*TC-2 Chrysler 300J .....	84-33100001

### IMPERIAL MODELS

TY-1 Custom .....	91-33100001
TY-1 Crown .....	92-33100001
TY-1 LeBaron .....	93-33100001
Model _____	
Serial Number _____	

The starting engine numbers will be as follows:

### CHRYSLER

Newport .....	T-36-7-30
300 .....	T-38-7-30
New Yorker .....	T-41-7-30
Chrysler 300J .....	T-41-7-30

### IMPERIAL

Custom, Crown, LeBaron .....	T-41-7-30
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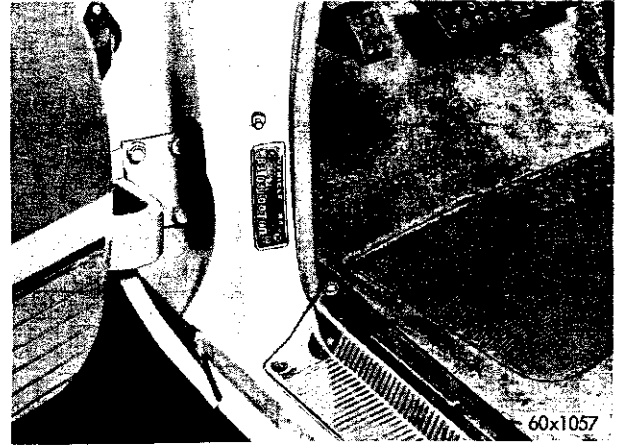


Fig. 2—Vehicle Number

The vehicle number is stamped on a metal plate attached to the left front door body hinge pillar, as shown in Figure 2.

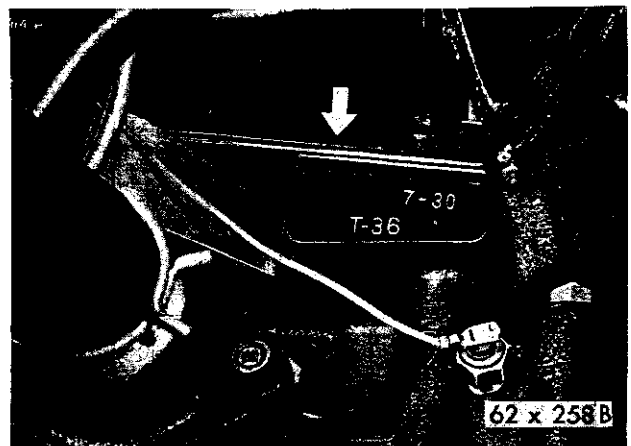


Fig. 3—Engine Number

The engine number is stamped on a boss on the top side of the cylinder block just back of the water pump, as shown in Figure 3.

## 6 INTRODUCTION AND GENERAL SPECIFICATIONS

### GENERAL DATA AND SPECIFICATIONS

Item	Body Style	Starting Vehicle Numbers		1963 Models	
		TC-1	TC-2	TC-3	TY-1
	Four Door Sedan	81-33100001	Newport		
	Town and Country	85-33100001	Newport		
	Four Door Hard Top	82-33100001		300	
	Two Door Hard Top	84-33100001		C-300J	
	Four Door Sedan	83-33100001		New Yorker	
	Town and Country	87-33100001		New Yorker	
	Four Door Sedan	91-33100001			Imp. Custom
	Four Door Sedan	92-33100001			Imp. Crown
	Four Door Sedan	93-33100001			Imp. LeBaron
Wheelbase	Four Door Sedan	122	—	122	—
	Convertible Coupe	122	122	—	129
	Two Door (hard top)	122	122	—	129
	Town & Country	122	—	122	—
	Four Door (hard top)	122	122	122	129
Tread (Front)	Four Door Sedan	60.9	—	60.9	—
	Convertible Coupe	60.9	60.9*	—	61.7
	Two Door (hard top)	60.9	60.9*	—	61.7
	Town & Country	60.8	—	60.8	—
	Four Door (hard top)	60.9	60.9*	60.9	61.7
Tread (Rear)	Four Door Sedan	59.7	—	59.7	—
	Convertible Coupe	59.7	59.7†	—	62.2
	Two Door (hard top)	59.7	59.7†	—	62.2
	Town & Country	59.7	—	60.0	—
	Four Door (hard top)	59.7	59.7†	59.7	62.2
Length with Bumper	Four Door Sedan	215.3	—	215.5	—
	Convertible Coupe	215.3	215.3	—	227.8
	Two Door (hard top)	215.3	215.3	—	227.8
	Town & Country	219.4	—	219.7	—
	Four Door (hard top)	215.3	215.3	215.5	227.8
Width with Bumper	Four Door Sedan	79.0	—	79.0	—
	Convertible Coupe	79.0	79.0	—	81.7
	Two Door (hard top)	79.0	79.0	—	81.7
	Town & Country	79.0	—	79.0	—
	Four Door (hard top)	79.0	79.0	79.0	81.7
Rear Axle with Torque- Flite Trans.	Four Door Sedan	2.76	—	2.93	—
	Convertible Coupe	2.76	3.23	—	2.93
	Two Door (hard top)	2.76	3.23	—	2.93
	Town & Country	2.93	—	2.93	—
	Four Door (hard top)	2.76	3.23	2.93	2.93
Tire Size	Four Door Sedan	8.00x14	—	8.50x14	—
	Convertible Coupe	8.00x14	8.00x14**	—	8.20x15
	Two Door (hard top)	8.00x14	8.00x14**	—	8.20x15
	Town & Country	8.50x14	—	9.00x14	—
	Four Door (hard top)	8.00x14	8.00x14**	8.50x14	8.20x15

\* 61.1 with 7.60x15 Tires

† 60.0 with 7.60x15 Tires

\*\* 7.60x15 with 300-J Engine