

GROUP 0

INTRODUCTION — GENERAL INFORMATION

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INTRODUCTION

This manual is divided into major *Groups*, *Sections*, and *Paragraphs* as explained below. The purpose of this arrangement is to bring related subjects closely together in accordance with the usual methods of performing service operations, and consequently to present information in a logical and easily understood order.

Any desired subject in this manual may be

located by reference to the alphabetical index at back of manual.

Any desired subject also may be located by turning to the first page of the appropriate *Group* where contents of the *Group* are listed. Where the *Group* is divided into *Sections* the first page of each *Section* lists the contents of the *Section*.

1. **GROUPS.** The manual is divided into the consecutively numbered major *Groups* shown on the preceding title page. To locate the first page of a *Group*, bend the manual until the black tab on first page of group can be seen in line with the *Group* title on title page.

The first page lists the contents of the *Group*.

2. **SECTIONS.** Large *Groups* are divided into appropriate *Sections* as shown on first page of the group. *Sections* bear the *Group* number and letters A, B, C, etc., in alphabetical order.

The first page of each *Section* lists the contents of section.

3. **PARAGRAPHS.** Each *Group* is divided into appropriate *Paragraphs* which are numbered consecutively within the *Group*, whether or not the group is divided into sections.

Paragraph titles and page numbers are listed on the first page of each *Section* if used, or on first page of the *Group* if sections are not used.

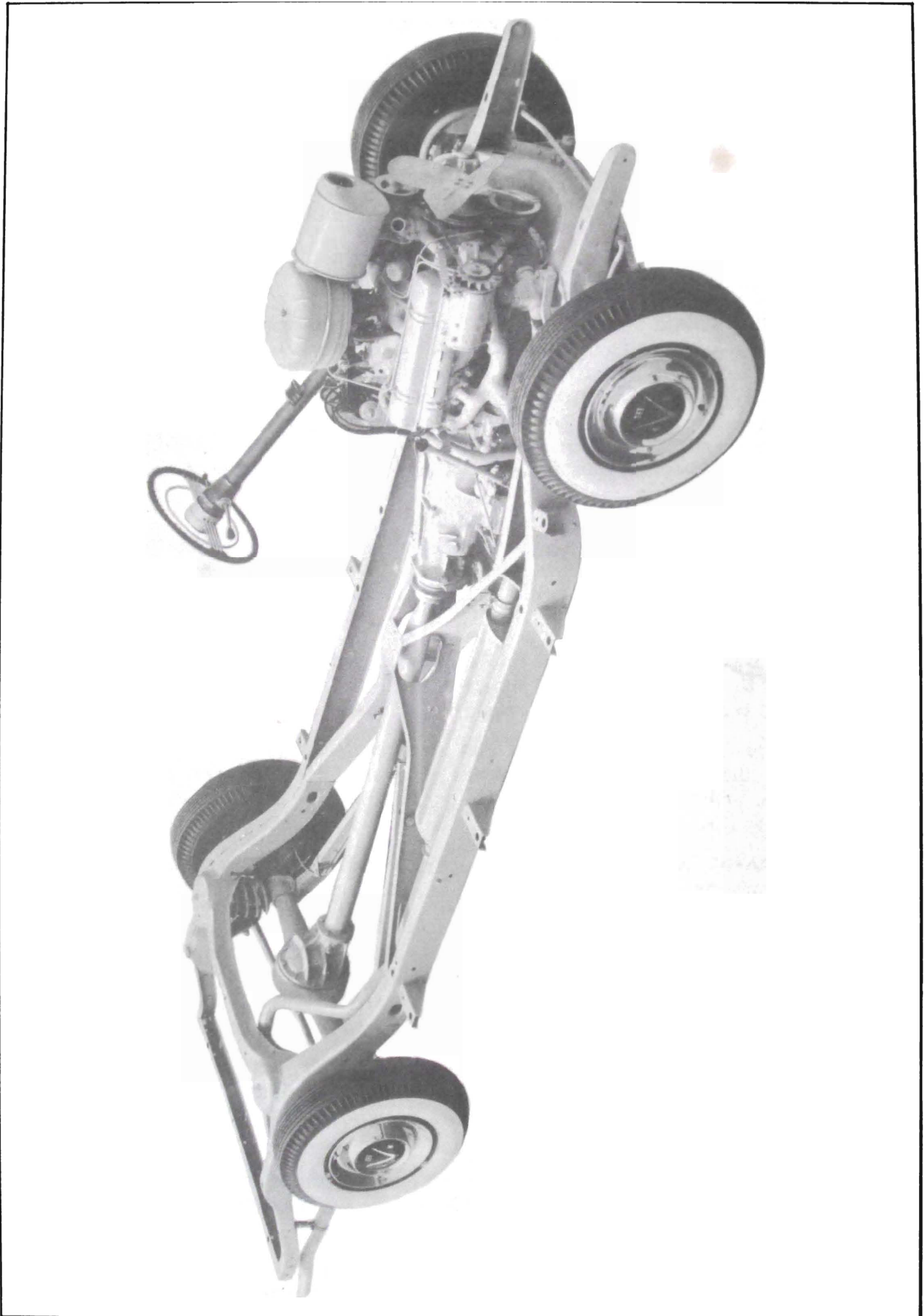
4. **SUB-PARAGRAPHS.** Where necessary for clarity, or distinction between models, *Paragraphs* are divided into appropriately titled *Sub-paragraphs*. These are usually lettered in alphabetical order within the paragraph.

5. **PAGE AND ILLUSTRATION NUMBERS.** Pages and illustrations are numbered consecutively within each *Group*. The number consists of the *Group* number followed by the *Page* or *Figure* number. Page numbers are printed in the upper *outer* corners of all pages. The small folio numbers at inner edges of pages are for printer's use only and are not used for reference in the manual.

6. **CROSS REFERENCES.** All references to information in other parts of manual are made by *Paragraph Number*, to avoid the necessity of first referring to the alphabetical index for location. Paragraph references are usually given in parentheses, for example: (par. 6-15) refers to the 15th paragraph in *Group 6*, "Chassis Suspension".

7. **SERVICE BULLETIN REFERENCE.** Space is provided on first page of each *Section* (or single section *Group*) for insertion of a reference to any B.P.S. bulletin which relates to the subjects covered by the section.

8. **SPECIAL TOOLS.** Unless otherwise indicated, all special tools identified by tool numbers in the manual are available through Kent-Moore Organization, Inc., General Motors Building, Detroit 2, Michigan.



Series 70 Chassis

1953 CAR MODELS

Model	Designation	Wheel-base	Illustrated on Page No.
SPECIAL—Series 40 (Dynaflow Drive optional)			
41	4-Door 6-Passenger Tourback Sedan	121 1/2"	
41D	4-Door 6-Passenger Deluxe Tourback Sedan	121 1/2"	1-10
45R	2-Door 6-Passenger Riviera	121 1/2"	1-10
46C	2-Door 6-Passenger Convertible Coupe	121 1/2"	
48	2-Door 6-Passenger Tourback Sedan	121 1/2"	
48D	2-Door 6-Passenger Deluxe Tourback Sedan	121 1/2"	2-46
SUPER—Series 50 (Dynaflow Drive optional)			
52	4-Door 6-Passenger Riviera Sedan	125 1/2"	2-46
56C	2-Door 6-Passenger Convertible Coupe	121 1/2"	4-18
56R	2-Door 6-Passenger Riviera	121 1/2"	4-18
59	4-Door 6-Passenger Estate Wagon	121 1/2"	
ROADMASTER—Series 70 (Dynaflow Drive standard)			
72R	4-Door 6-Passenger Riviera Sedan	125 1/2"	5-4
76C	2-Door 6-Passenger Convertible Coupe	121 1/2"	7-12
76R	2-Door 6-Passenger Riviera	121 1/2"	5-4
76X	2-Door 6-Passenger Anniversary Convertible Coupe	121 1/2"	6-4
79R	4-Door 6-Passenger Estate Wagon	121 1/2"	6-4

GENERAL SPECIFICATIONS

Items	Series 40	Series 50	Series 70
Wheelbase	← See Car Models above →		
Tread—Front	59.1"	60.0"	60.0"
Tread—Rear	59.0"	62.2"	62.2"
Length Over Bumpers, except 52 & 72R	205.8"	207.6"	207.6"
Models 52 & 72R		211.6"	211.6"
Width Over-all at Widest Point	76.0"	79.9"	79.9"
Height Over-all, Roof to Road, at Curb Weight	63.4"	62.8"	63.0"
Front Overhang (C. L. of Wheels to Front of Bumper)	33.5"	34.6"	34.6"
Rear Overhang (C. L. of Wheels to Rear of Bumper)	50.8"	51.5"	51.5"
Ground Clearance, at Normal Load:			
Steering Tie Rod, at Pitman Arm	7.34"	7.34"	7.56"
Lower Crankcase	6.94"	6.70"	6.92"
Flywheel Lower Housing	7.12"	7.46"	7.68"
Frame Side Rail, Lowest Point	6.80"	6.74"	6.96"
Rear Axle Housing, Center	7.76"	7.68"	7.90"
Gas Tank	8.80"	8.32"	8.54"
Tail Pipe, Rear End	9.76"	9.26"	9.48"

CAR AND ENGINE SERIAL NUMBERS

The *car serial number* is on a plate attached to the body on left front door hinge pillar and is also stamped on the left frame side rail near brake master cylinder. The first digit of serial number indicates where car was built: 1=Flint, 2=Southgate, 3=Linden, 4=Kansas City, 5=Wilmington, 6=Atlanta, 7=Framingham.

The *engine serial number* is stamped on a machined surface on the crankcase. On *Series 40* the number is on right side between the ignition coil and distributor. On *Series 50-70* the number is on the top outer edge of the left cylinder bank, between the middle branches of exhaust manifold. The last digit of engine serial number is 4 for Series 40, 5 for Series 50, 7 for Series 70. *Series 50-70* numbers also have the prefix "V". A stamped 1/4" long dash (—) directly following the engine serial number indicates a .010" O.S. production engine.

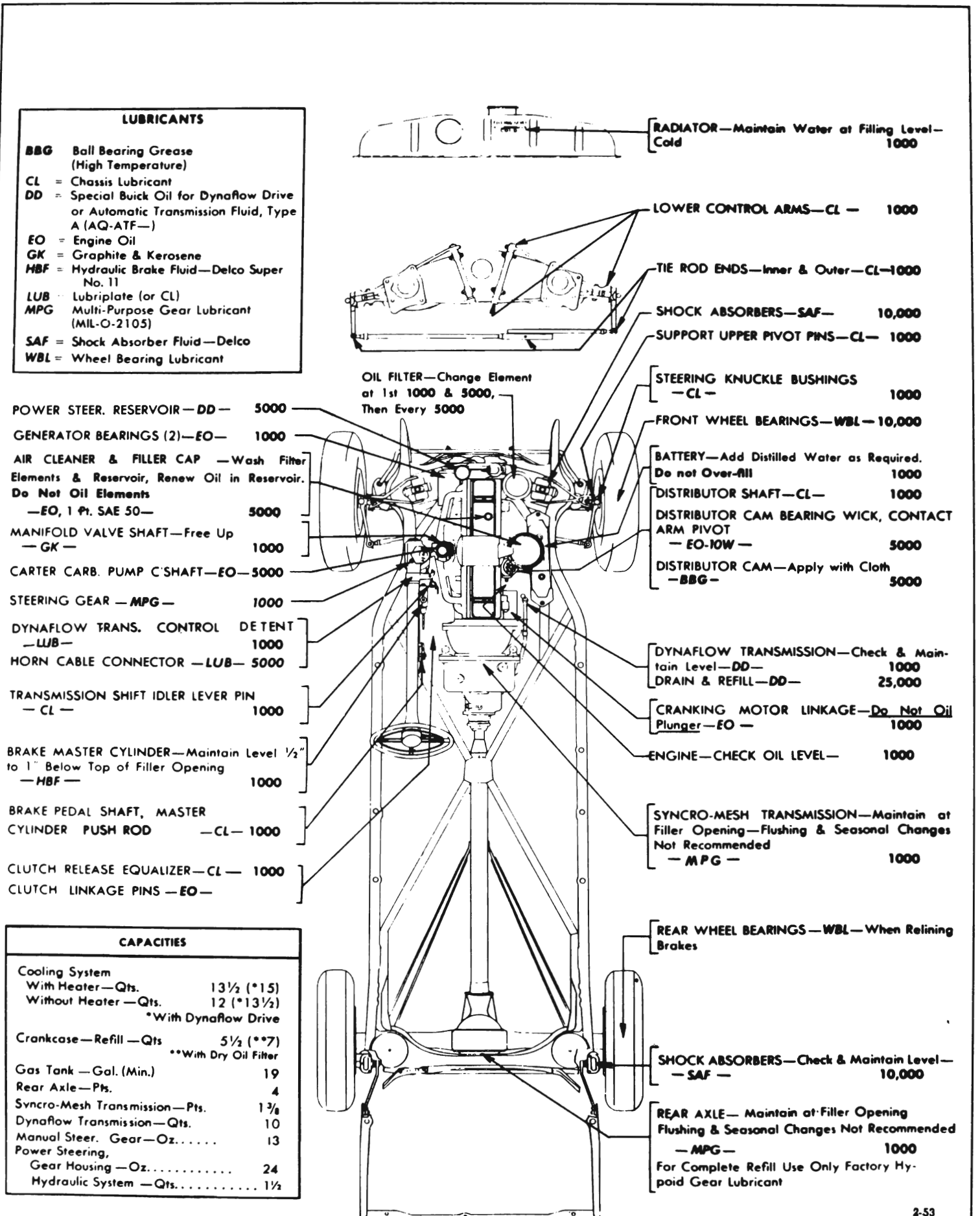


Figure 1-1—Chassis Lubricare Chart—Series 40