

CHRYSLER and IMPERIAL SERVICE MANUAL SUPPLEMENT

MODELS

RC-1 (NEWPORT) RC-2 (WINDSOR)

RC-3 (NEW YORKER) RY-1 (IMPERIAL)

This Supplement contains service information for the new 1961 Chrysler and Imperial Models. Only changes and improvements affecting the servicing of the new models are included. If the information desired is not found in this Supplement, the servicing procedures are the same as those outlined in the corresponding models covered in the 1960 Chrysler and Imperial Service Manual 81-070-0026.

In order to use this Supplement to best advantage with the previous Chrysler and Imperial Service Manual 81-070-0026, the corresponding or superseding car models must be understood. The supersedence of these models is as follows:

CHRYSLER MODELS	1961	1960
Newport	RC-1 Windsor	PC-1
Windsor	RC-2 Saratoga	PC-2
New Yorker	RC-3	PC-3

IMPERIAL MODELS

Custom, Crown, and LeBaron	RY-1	PY-1
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The service tools referred to in this Supplement are available through the Miller Manufacturing Company, 17640 Grand River Avenue, Detroit 27, Michigan, U.S.A. unless otherwise specified.

Extra copies of this Supplement are available at \$2.00 each plus any local taxes, under Part Number 81-071-0057. Order from Chrysler and Imperial Division, P. O. Box 1658, Detroit 31, Michigan.

CHRYSLER AND IMPERIAL DIVISION

Chrysler Corporation

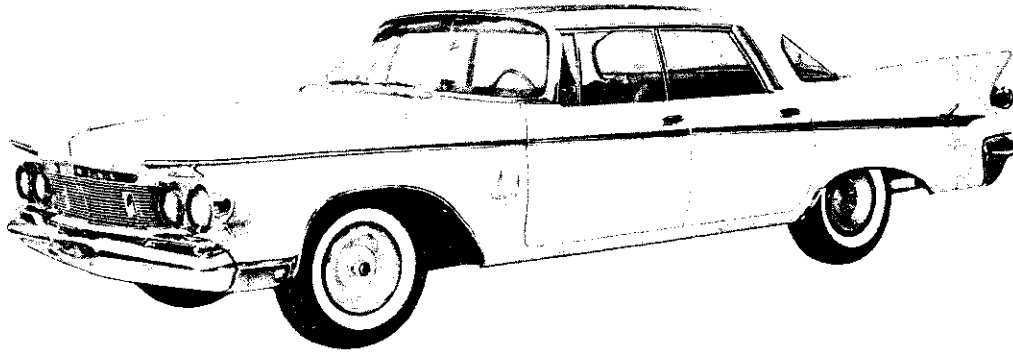
DETROIT 31, MICHIGAN

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.

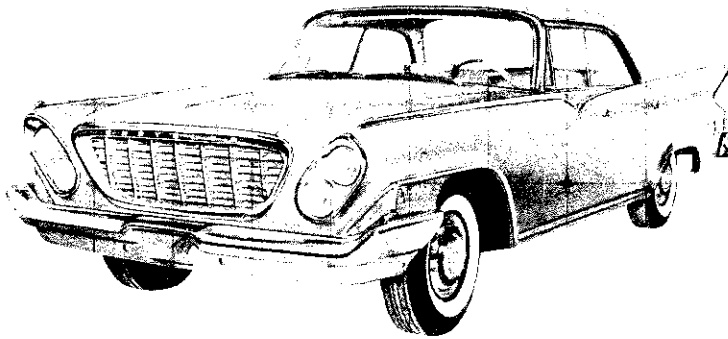
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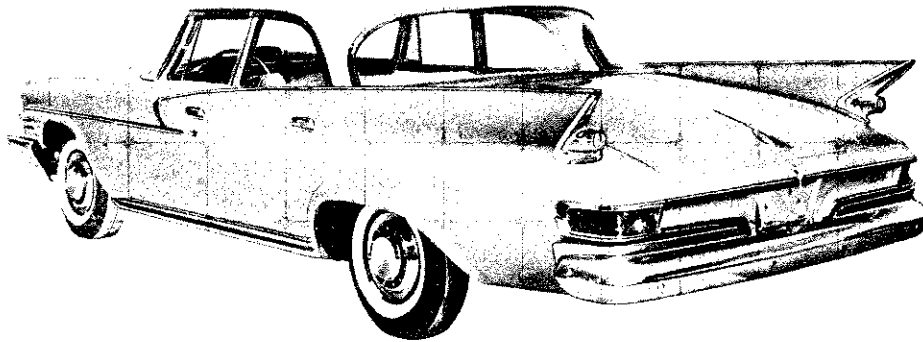
2—GENERAL DATA AND SPECIFICATIONS



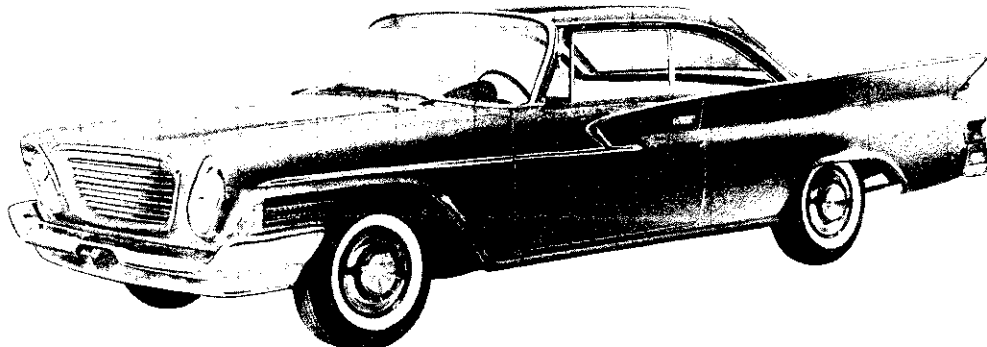
RY-1 IMPERIAL CROWN 4-DOOR SOUTHAMPTON



RC-3 CHRYSLER NEW YORKER 4-DOOR HARDTOP



RC-2 CHRYSLER WINDSOR 4-DOOR SEDAN



RC-1 CHRYSLER NEWPORT 2-DOOR HARDTOP

61X222

Fig. 1—1961 Imperial and Chrysler Models

LICENSE DATA

The following method of numbering vehicles and their engines made in Detroit production Plants will be used on the 1961 Models.

The starting vehicle number will be as follows:

CHRYSLER

Newport	RC-1 81-13100001
Newport Town & Country	RC-1 85-13100001
Windsor	RC-2 82-13100001
New Yorker	RC-3 83-13100001
New Yorker Town & Country	RC-3 87-13100001
Chrysler 300G	RC3-300 84-13100001

IMPERIAL

Imperial Custom	RY-1 91-14100001
Imperial Crown	RY-1 92-14100001
Imperial LeBaron	RY-1 93-14100001

Model _____
 Serial Number _____

The engine numbers will provide the following information: "R" represents the 1961 Model. "36" represents the 361 cu. in. displacement. "38" represents 383 cu. in. displacement. "41" represents 413 cu. in. displacement. The next digit is the month built and the last digit the day built. For example; if the engines are built on August 4, 1960, the engine numbers would read as follows:

Newport	R-36-8-4
Windsor	R-38-8-4
New Yorker	R-41-8-4
Chrysler 300G	R-41-8-4
Imperial	R-41-8-4



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.

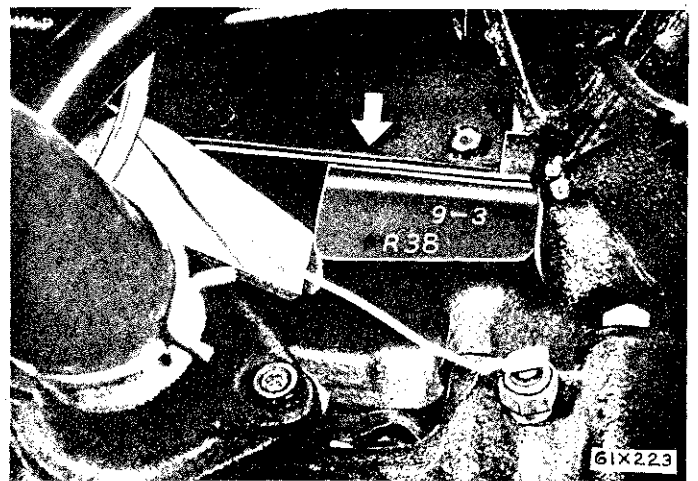


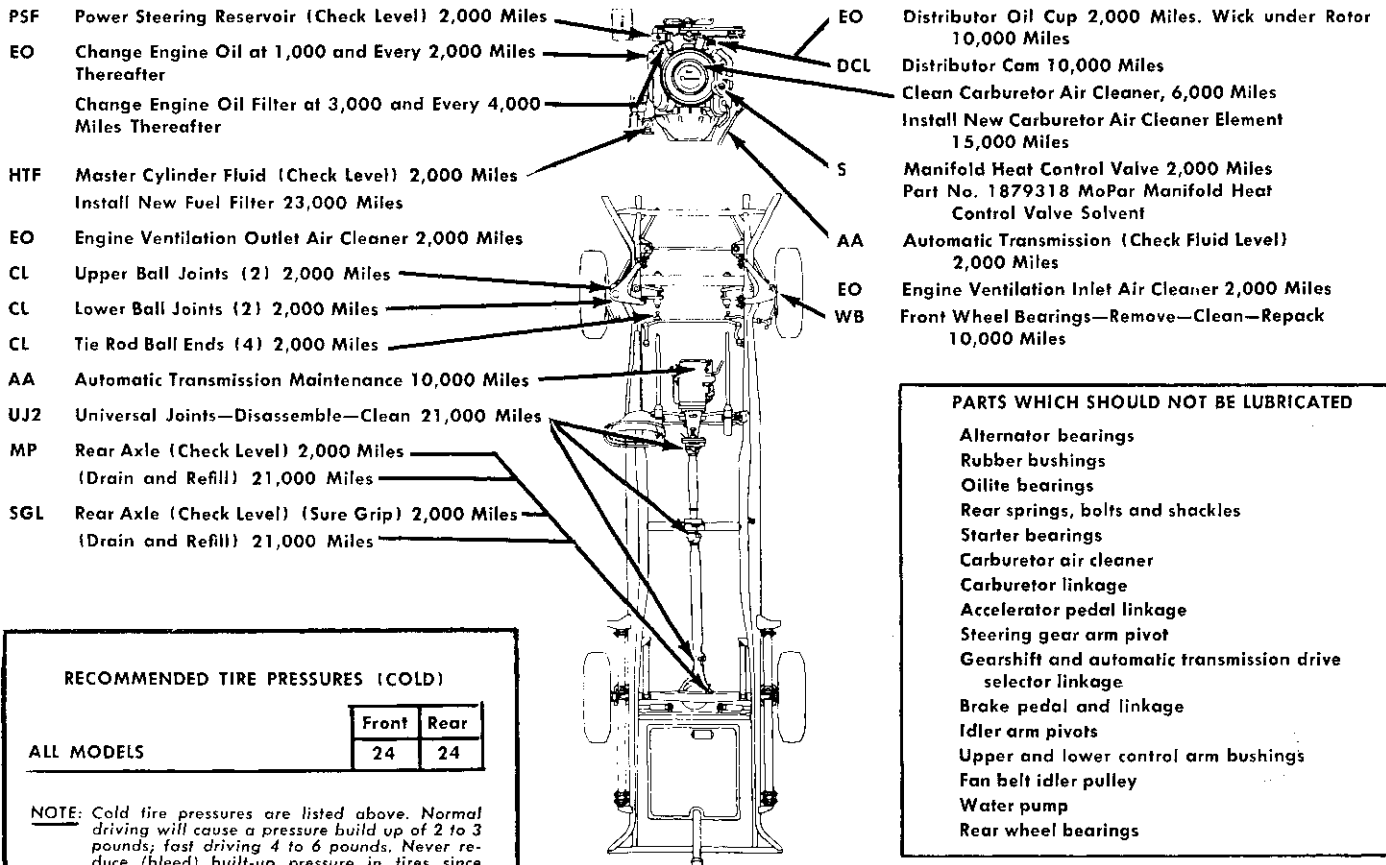
Fig. 3—Engine Number

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.

GENERAL DATA AND SPECIFICATIONS

Item	Body Style	Starting Vehicle Numbers 1961 Models			
		Newport RC-1	Windsor RC-2	New Yorker RC-3	Imperial RY-1
	Four Door Sedan	81-13100001			
	Town and Country.....	85-13100001			
	Four Door Sedan.....		82-13100001		
	Four Door Sedan.....			83-13100001	
	Town and Country.....			87-13100001	
	Four Door Hardtop (Custom).....				91-14100001
	Four Door Hardtop (Crown).....				92-14100001
	Four Door Hardtop (LeBaron).....				93-14100001
Wheelbase	Four Door Sedan.....	122	122	126	—
	Convertible Coupe	122	—	126	129
	Two Door (hard top).....	122	122	126	129
	Town and Country.....	122	—	126	—
	Four Door (hard top).....	122	122	126	129
Tread (Front)	Four Door Sedan	61.0	61.0	61.2	—
	Convertible Coupe.....	61.0	—	61.2	61.8
	Two Door (hard top).....	61.0	61.0	61.2	61.8
	Town and Country.....	61.0	—	61.2	—
	Four Door (hard top).....	61.0	61.0	61.2	61.8
Tread (Rear)	Four Door Sedan	59.7	59.7	60.0	—
	Convertible Coupe	59.7	—	60.0	62.2
	Two Door (hard top).....	59.7	59.7	60.0	62.2
	Town and Country.....	59.7	—	60.0	—
	Four Door (hard top).....	59.7	59.7	60.0	62.2
Length with Bumper	Four Door Sedan.....	215.6	215.6	219.6	—
	Convertible Coupe	215.6	—	219.6	227.3
	Two Door (hard top).....	215.6	215.6	219.6	227.3
	Town and Country.....	216.1	—	220.1	—
	Four Door (hard top).....	215.6	215.6	219.6	227.3
Width with Bumper	Four Door Sedan.....	79.4	79.4	79.4	—
	Convertible Coupe.....	79.4	—	79.4	81.7
	Two Door (hard top).....	79.4	79.4	79.4	81.7
	Town and Country.....	79.7	—	79.7	—
	Four Door (hard top).....	79.4	79.4	79.4	81.7
Rear Axle with TorqueFlite Transmission	Four Door Sedan.....	2.93	2.93	2.93	—
	Convertible Coupe.....	2.93	—	2.93	2.93
	Two Door (hard top).....	2.93	2.93	2.93	2.93
	Town and Country.....	2.93	—	2.93	—
	Four Door (hard top).....	2.93	2.93	2.93	2.93
Tire Size	Four Door Sedan.....	8.00 x 14	8.00 x 14	8.50 x 14	—
	Convertible Coupe.....	8.00 x 14	—	8.50 x 14	8.20 x 15
	Two Door (hard top).....	8.00 x 14	8.00 x 14	8.50 x 14	8.20 x 15
	Town and Country.....	8.50 x 14	—	9.00 x 14	—
	Four Door (hard top).....	8.00 x 14	8.00 x 14	8.50 x 14	8.20 x 15

LUBRICATION CHART



- PSF Power Steering Reservoir (Check Level) 2,000 Miles
- EO Change Engine Oil at 1,000 and Every 2,000 Miles Thereafter
- Change Engine Oil Filter at 3,000 and Every 4,000 Miles Thereafter
- HTF Master Cylinder Fluid (Check Level) 2,000 Miles
- Install New Fuel Filter 23,000 Miles
- EO Engine Ventilation Outlet Air Cleaner 2,000 Miles
- CL Upper Ball Joints (2) 2,000 Miles
- CL Lower Ball Joints (2) 2,000 Miles
- CL Tie Rod Ball Ends (4) 2,000 Miles
- AA Automatic Transmission Maintenance 10,000 Miles
- UJ2 Universal Joints—Disassemble—Clean 21,000 Miles
- MP Rear Axle (Check Level) 2,000 Miles (Drain and Refill) 21,000 Miles
- SGL Rear Axle (Check Level) (Sure Grip) 2,000 Miles (Drain and Refill) 21,000 Miles

- EO Distributor Oil Cup 2,000 Miles. Wick under Rotor 10,000 Miles
- DCL Distributor Cam 10,000 Miles
- Clean Carburetor Air Cleaner, 6,000 Miles
- Install New Carburetor Air Cleaner Element 15,000 Miles
- S Manifold Heat Control Valve 2,000 Miles Part No. 1879318 MoPar Manifold Heat Control Valve Solvent
- AA Automatic Transmission (Check Fluid Level) 2,000 Miles
- EO Engine Ventilation Inlet Air Cleaner 2,000 Miles
- WB Front Wheel Bearings—Remove—Clean—Repack 10,000 Miles

- PARTS WHICH SHOULD NOT BE LUBRICATED**
- Alternator bearings
 - Rubber bushings
 - Oilite bearings
 - Rear springs, bolts and shackles
 - Starter bearings
 - Carburetor air cleaner
 - Carburetor linkage
 - Accelerator pedal linkage
 - Steering gear arm pivot
 - Gearshift and automatic transmission drive selector linkage
 - Brake pedal and linkage
 - Idler arm pivots
 - Upper and lower control arm bushings
 - Fan belt idler pulley
 - Water pump
 - Rear wheel bearings

RECOMMENDED TIRE PRESSURES (COLD)

	Front	Rear
ALL MODELS	24	24

NOTE: Cold tire pressures are listed above. Normal driving will cause a pressure build up of 2 to 3 pounds; fast driving 4 to 6 pounds. Never reduce (bleed) built-up pressure in tires since under-inflation will result when tires cool off. For sustained high speed driving, add 5 pounds pressure over the normal starting (cold) pressure.

KEY TO LUBRICANTS

AA	Automatic Trans. Fluid Type "A" Suffix "A"
AF	Anti-Freeze
AP	Air Pressure
C	Check Condition
CL	Chassis Lubricant
DCL	Distributor Cam Lubricant
EO	Engine Oil
HTF	High Temperature Brake Fluid
MCL	Speedometer Cable Lubricant
ML	Lubriplate
MP	Multi-Purpose Gear Lubricant
PDO	Penetrating Dripless Oil
PSF	Power Steering Fluid
RR	Rust Resistor
S	Manifold Heat Control Valve Solvent
SGL	Sure Grip Lubricant
SL	Stainless Stick Lubricant
UJ2	Universal Joint Lubricant
WB	Wheel Bearing Lubricant—Medium

IMPERIAL

ENGINE OIL RECOMMENDATIONS

When adding or changing engine oil, use lubricants which have both the SAE designation and the MS Service Classification printed on the container. High quality, well refined engine oils usually have both classifications on the containers. Choice of brands should include the reputation of the refiner and marketer.

Use oils for anticipated temperatures as follows:

	Recommended Viscosity No.	Multi-Grade Options
Above +32°F.	SAE 30	SAE 20W-40 SAE 10W-30
Above +10°F.	SAE 20W	SAE 20W-40 SAE 10W-30
Above -10°F.	SAE 10W	SAE 10W-30 SAE 5W-20
Below -10°F.	SAE 5W	SAE 5W-20

CAPACITIES

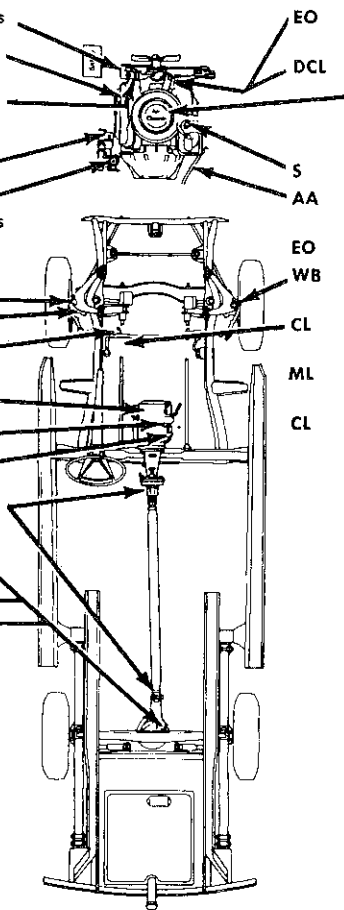
Engine Oil (Add 1 qt. when replacing filter element)	5 qts.
Cooling System (Add 1 qt. for heater)	16 qts.
Rear Axle	3 1/2 pts.
Transmission (refill) TorqueFlite	22 pts.

61 x 216

Fig. 1—Lubrication Chart (Imperial)

LUBRICATION CHART

- PSF Power Steering Reservoir (Check Level) 2,000 Miles
- EO Change Engine Oil at 1,000 and Every 2,000 Miles Thereafter
Change Engine Oil Filter at 3,000 and Every 4,000 Miles Thereafter
- MP Manual Steering Gear (Check Level) 2,000 Miles
- HTF Master Cylinder Fluid (Check Level) 2,000 Miles
Install New Fuel Filter (Paper Element) 23,000 Miles
- EO Engine Ventilation Outlet Air Cleaner 2,000 Miles
- CL Upper Ball Joints (2) 2,000 Miles
- CL Lower Ball Joints (2) 2,000 Miles
- CL Tie Rod Ball Ends (4) 2,000 Miles
- AA Automatic Transmission Maintenance 10,000 Miles
- MP Manual Trans. (Check Level) 2,000 Miles
- MP Manual Transmission Drain—Fill 21,000 Miles
- UJ2 Universal Joints—Disassemble—Clean 21,000 Miles
- MP Rear Axle (Check Level) 2,000 Miles
(Drain and Refill) 21,000 Miles
- SGL Rear Axle (Check Level) (Sure Grip) 2,000 Miles
(Drain and Refill) 21,000 Miles
- EO Distributor Oil Cup 2,000 Miles. Wick under Rotor 10,000 Miles
- DCL Distributor Cam 10,000 Miles
- Clean Carburetor Air Cleaner, 6,000 Miles
Install New Carburetor Air Cleaner Element 15,000 Miles
- S Manifold Heat Control Valve 2,000 Miles
- AA Automatic Transmission (Check Fluid Level) 2,000 Miles
- EO Engine Ventilation Inlet Air Cleaner 2,000 Miles
- WB Front Wheel Bearings—Remove—Clean—Repack 10,000 Miles
- CL Gear Shift Tube and Lower Support (1) 2,000 Miles
- ML Gearshift Lever Pivot—Remove—Lubricate—Install 10,000 Miles
- CL Clutch Torque Shaft (1) 2,000 Miles



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 - Rubber bushings
 - Oilite bearings
 - Rear springs, bolts and shackles
 - Starter bearings
 - Carburetor air cleaner
 - Carburetor linkage
 - Accelerator pedal linkage
 - Steering gear arm pivot
 - Gearshift and automatic transmission drive selector linkage
 - Brake and clutch pedals, and linkage
 - Clutch release bearing
 - Idler arm pivots
 - Upper and lower control arm bearings
 - Fan belt idler pulley
 - Water pump
 - Rear wheel bearings

RECOMMENDED TIRE PRESSURES (COLD)

	Front	Rear
CHRYSLER—Newport	24	22
WINDSOR	24	22
NEW YORKER	24	22
TOWN AND COUNTRY	22	24*
CHRYSLER—Newport	22	24*
NEW YORKER	22	24*

***28 PSI (COLD) HEAVY LOAD**

NOTE: Cold tire pressures are listed above. Normal driving will cause a pressure build up of 2 to 3 pounds; fast driving 4 to 6 pounds. Never reduce (bleed) built-up pressure in tires since under-inflation will result when tires cool off. For sustained high speed driving, add 5 pounds pressure over the normal starting (cold) pressure.

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MCL	Speedometer Cable Lubricant
ML	Lubriplate
MP	Multi-Purpose Gear Lubricant
PDO	Penetrating Dripless Oil
PSF	Power Steering Fluid
RR	Rust Resistor
S	Manifold Heat Control Valve Solvent
SGL	Sure Grip Lubricant
SL	Stainless Stick Lubricant
WB	Wheel Bearing Lubricant—Medium
UJ2	Universal Joint Lubricant

CHRYSLER

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	Recommended Viscosity No.	Multi-Grade Options
Above +32°F.	SAE 30	SAE 20W-40 SAE 10W-30
Above +10°F.	SAE 20W	SAE 20W-40 SAE 10W-30
Above —10°F.	SAE 10W	SAE 10W-30 SAE 5W-20
Below —10°F.	SAE 5W	SAE 5W-20

CAPACITIES

Engine Oil (Add 1 qt. when replacing filter element)	5 qts.
Cooling System (Add 1 qt. for heater)	16 qts.
Rear Axle	3 1/2 pts.
Transmission (refill)	
TorqueFlite	22 pts.
Manual	4 1/4 pts.

61 x 217

Fig. 2—Lubrication Chart (Chrysler)