Chrysler

KEW SIX

{CODE PEX}

INSTRUCTION BOOK



For Cars After Serial Number
2,188,001

Chrysler Motors, Limited
Kew Gardens
Surrey

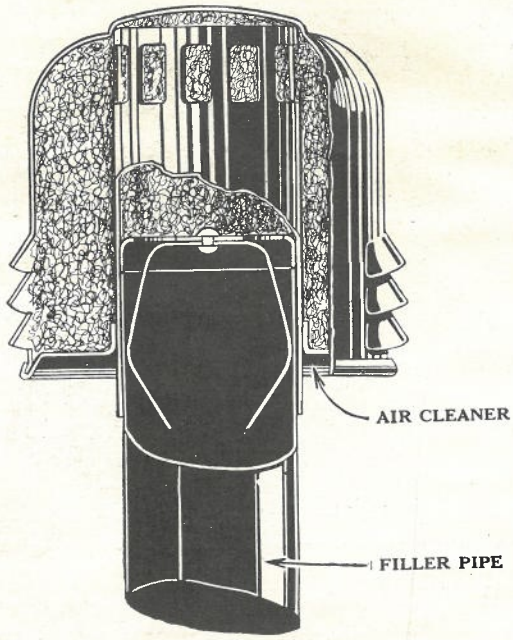


Fig. 18-A—Crankcase Filler Pipe Air Cleaner

area of the filter which allows the air to expand gradully upward. This slows down the air stream and allows the oil to separate and flow down the conical filter element toward the oil discharge slots "F" located adjacent to the air entrance venturi "B." All dirt collected in the filter is picked up by the oil and returns to the oil sump with it. The venturi effect at the oil discharge slots assists in drawing the dirty oil out of the filter element. The oil being discharged at this point also creates a curtain of oil, settles in the oil base during the period when the engine is not running and does not recirculate thereafter.

The high position of the air inlet louvres makes it impossible to throw any oil out during severe braking or on sharp turns or rough roads. For satisfactory operation, oil of *50 S. A. E. viscosity* must be used and the level at the start should not be over the indicating bead. One pint (½ liter) will just give the proper level. Servicing the cleaner is an easy operation performed as follows:

Remove the top cover and lift out filter element assembly. Wash filter in gasoline and allow to drain throughly. Empty excess oil from oil base and scrape out the accumulated mud. Wash entire oil base in gasoline and fill to indicated level with one pint S. A. E. 50 engine oil. Replace filter element assembly and cover after making sure gasket is clean and in good condition.

The periods at which the above procedure must be followed will vary according to the particular conditions under which the cleaner operates.

Chrysler

"RICHMOND"

PARTS LIST

1937 MODEL SERIES S3

CHRYSLER MOTORS LIMITED · KEW · SURREY

Prospect 3456

—CARBURETOR

	Part No.	Model Code S3
r		
y (Carter E6I-1) (up to engine No. 3991 except 3968-69-71-75-78-79-80-81-82-85-88-89)	666395	1
ly (Carter E6K-1 and E6K-2) (after engine . S3-3991, also on 3968-69-71-75-78-79-80--82-84-85-88-89)	671879	1
NOTE—The following parts are for 6395-671879 carburetors.		
tor to manifold stud		
-long	620444	1
-short	103195	1
t	120369	2
1	618052	1
etor body flange		
nbly	662809	1
asket	654508	1
asket (with governor)	662811	1
asket (without governor)	662781	1
asket (body)	651210	1
ttaching screw	645649	2
uretor air horn		
sembly	667377	1
Attaching screw	645650	4
buretor main metering jet and gasket		
ssembly (Std.) (666395 carburetor)	662800	1
ssembly (5%) (666395 carburetor)	650193	1
ssembly (10%) (666395 carburetor)	650194	1
ssembly (15%) (666395 carburetor)	658685	1
ssembly (20%) (666395 carburetor)	658682	1
Assembly (Std.) (671879 carburetor E6K-1)	650193	1
Assembly (Std.) (671879 carburetor E6K-2)	673873	1
Assembly (5%) (671879 carburetor)	650194	1
Assembly (10%) (671879 carburetor)	658685	1
Assembly (15%) (671879 carburetor E6K-2)	658682	1
Metering screw gasket	651183	1
arburetor main vent tube and plug		
Assembly	645657	1
Carburetor idle		
Screw (adjustment)	645639	1
Spring	645642	1
Hole plug (671879 carburetor)	651178	1
Orifice plug assembly	651216	1
Carburetor pump		
Jet assembly	645600	1
Operating link	651211	1
Connector link	651207	1
Piston—inner	651223	1
Piston—outer	650031	1
Piston, needle and plug assembly	645611	1
Piston rod	651189	1
Carburetor throttle		
Lever assembly	645574	1
Adjusting screw	651201	1
Spring	645576	1
Clamp screw	131970	1
Valve	662783	1
Shaft and arm assembly	▯667376	1
Dog (shaft)	▯662804	1
Carburetor choker		
Valve assembly	▯662786	1
Shaft (671879 carburetor)	667378	1
Connector rod	651208	1
Lever and screw assembly	642420	1
Clamp screw	651199	1
Control lever and shaft assembly (666395 carburetor)	651181	1
Carburetor valve		
Attaching screw	645578	4
Lockwasher	115109	2
Lockwasher	121744	4
Pin spring	645669	1
Pin spring	651222	1
Carburetor float		
Needle and seat assembly	▯662788	1
Gasket	▯645613	1
[illegible] assembly	645636	1
	651186	1
	651197	1
Carburetor step-up		
Jet and gasket assembly	667379	1
Gasket	651184	1
Rod	651198	1
Spring	651193	1
Collar (671879 carburetor)	651190	1
"C" washer (671879 carburetor)	651219	1
Washer (671879 carburetor)	651220	1
Ball (671879 carburetor)	651205	1
Piston and plate assembly	662802	1
Piston, plate and rod assembly	▯671191	1
Gasket (piston)	651185	1
Spring (piston)	▯662790	1
Carburetor insulator		
Insulator	▯662803	

Group 14-D—GOVERNOR

Governor assembly

Order direct from manufacturer.

NOTE—Name appears on name plate attached to respective governors.

Group 14-E—AUTOMATIC CHOKE

Automatic choke		
L. H. D. and R. H. D.	665034	1
Screw (terminal)	121749	1
Lockwasher (screw)	138530	1
Stud (attaching)	603523	2
Nut (stud)	114545	2
Lockwasher	121753	2
Automatic choke gasket	647834	1
Clip (on cylinder head stud)	642328	2
Automatic choke to carburetor choke rod		
L. H. D. and R. H. D.	658305	1
Automatic choke rod end spring clip—upper	629792	1
Automatic choke rod end spring clip—lower	612492	1
Automatic choke to starter cable assembly		
L. H. D.	642175	1
R. H. D.	▯661462	1
Terminal	114038	2
Sleeve	50228	2
Automatic choke lever		
Assembly	648184	1
Automatic choke thermostat		
Assembly	648186	1
Spring	648191	1
Link	648190	1
Hinge pin (thermostat)	648188	1

Group 14-F—FUEL GAUGE—INSTRUMENT PANEL

Fuel gauge		
Assembly (includes pointer and dial)	669386	1
Nut (terminal)	120614	2
Lockwasher	120217	2

Group 14-G—FUEL GAUGE—TANK UNIT

Fuel gauge		
Assembly	665178	
Assembly (use with 20.4 gallon tank)	▯665074	
Nut (terminal)	120622	
Lockwasher	121841	
Lockwasher (terminal nut)	670670	
Gasket	55985	
Screw (attaching)	648427	
Lockwasher	312941	

Group 14-H FUEL PUMP

Fuel pump	
Asssembly	659488
Assembly (use with overdrive) (booster)	667623
Assembly (autopulse) (6 volt)	▯673052
Assembly (autopulse) (12 volt)	▯673053
Gasket (without overdrive)	634704
Gasket (with overdrive or with booster pump)	663831
Screw (attaching)	122017
Lockwasher	120214
Bolt (mounting) (Export)	123488
Nut (Export)	120368
Lockwasher (Export)	120214