



SERVICE BULLETIN

TOPIC: G-807-24 kit

NUMBER: 5-19-2017

SUPERSEDES:

DATE: 5/19/17

MODELS APPLICABLE TO: TEST METHOD:

F-1/F-2 Combination D 2699, D 2700

F-4 Supercharge D 909

Cetane D613

ROUTE TO Distributors and Customers

SUBJECT: G-807-24 Crankcase Overhaul Kit revisions

This service bulletin is to inform customers that the current G-807-24 Crankcase Overhaul Kit has been updated with revised part numbers to reflect new hardware from new suppliers. While the parts physically remain the same some hardware part numbers have changed. To help keep you updated, we are adding the updated kit part numbers and contents below along with their associated quantities.

In addition, based on feedback from our customers, we have added a standard connecting rod to the overhaul kit for a more complete offering. Below is a list of the contents of this kit and each parts quantity. The kit in addition to the shaft kit contains all the parts on hand needed to complete a crankcase overhaul. The part number of the kit remains the same (G-807-24).

CFR Engines recommends that a complete crankcase overhaul be performed ever 10 years regardless of hours. The crankcase is influential to the Octane tests as it not only controls valve timing events on the cylinder, but also any excessive clearance on the main and connecting rod bearings add to the slop or change in compression when the piston is at top dead center. Excessive clearances in the bearings will add to the instability of the knock signal which will cause the knock intensities to vary. This has a direct effect on the final octane number and repeatability of pass to pass variations. In addition CFR Engines offers a shaft kit that compliments the crankcase overhaul kit. It contains all the shafts for the crankcase. Its part number is G-807-25.

For more information contact your local CFR Distributor.



Best regards
Dan Bemis
CFR Service Manager
CFR Engines Inc.

Part	Description	Qty
3337	PLUG,EXP,2,BRASS	2
21002	KEY,WDRF 3,.125X.50	1
21006	KEY,WDRF 8,.156X.75	4
21014	KEY,WDRF 18,.25X1.12	2
21050	WASHER, MED LOCK .250	21
21051	WASHER,LOCK,.312 & M8	15
21052	WASHER,MED LOCK .375	13
21089	RDHDSCR,8-32X.38	2
21094	RDHDSCR,8-32X.75	2
21116	RDHDSCR,.25-20X.38	2
21273	HXHDSCR .25-20X.625 LG	8
21274	HXHDSCR,.25-20X.62 LG	12
21309	HXHDSCR,.312-18X.75	7
21310	HXHDSCR,.312-18X.75 LG	2
21312	HXHDSCR,.3125-18 X.88	2
21322	HXHDSCR,.3125-18X2.25 LG	4
21346	HXHDSCR,.375-16X.88 LG	4
21349	HXHDSCR,.375-16X1.00 LG	20
21354	HXHDSCR,.375-16X1.38 LG	8
21536	WASHER,MED LOCK,.25	12
21545	SOCHDSCR,.312-18X1.00 LG	5
21604	SHPRF EXT LW NO 8	2
21660	RDHDSCR,6-32X.25	2
21720	SOHDSETSC,.25-20X.25 LG	8
21754	FLHDSCR,.38-16X.88 LG	8
21983	SOCHDSCR,.375-16X.75 LG	2
26005	RDHDSCR,6-32X.31 LG	2
26051	RDHDSCR,10-24X.62 LG	1
26059	WASHER,MED LOCK,#8	2
26128	PLUG,PIPE,HXHD,.50 BRASS	1
26144	3/8 CTSK EXT L/W P	8
26411	PLUG,PIPE,SOCHD,.38	2
26420	WASHER,MED LOCK,#10-.188	1
28311	NUT,STSTHEX,.375-24	2
28801	CPSCR.38-16X 3.75 STNLSS STL	4
39023	UNION, MALE HALF	3
39112	ELBOW,MALE HALF	1
39149	WASHER,SOCHDSCR LOCK,.31	4
75745	BUSHING REDUCING	1
75806	RESTRICTOR,ORIFICAL	1
78920	TEE,SERVICE,.38	1
105593	NUT RELIEF VAL ADJ	1
105594	NUTRVLOCK,.75-16X.312	1
105595	NUTCORN,.75-16X1.19	1
106343	PLUG,PIPE,SOCKHD,.25	15
106721	GASKET CYL BASE	1
106827	PLUNGER,RELIEF VALVE	1

109323	3/8"-16 x 1-3/8" Grade 5 Zinc Finish Hex Cap Screw	8
109410	HXHDSCR,,38-24X.88SS	10
109512	GEAR CRANKSHAFT	1
109518	GUIDE VALVE LIFTER	2
109522	GASKET COVER PLATE	2
109526	GEAR CAMSHAFT	1
109541	CRANSHAFT THRUST PLT	2
109543	WASHER CRANKS THRUST	1
109546	SHIM CRKSHAFT THRUST	1
109552	SCREEN OIL	1
109553	GASKET SUPPORT PLATE	1
109566	SCRSOCHD.50-20X2.44,CTRWGHT	4
109570	GASKET GEAR COVER	1
109575	KEY,FLYWHEEL,,31X.375X3.375 LG	1
109576	NUTFLYWHEEL2-16X.69	1
109577	LOCK NUT FLYWHEEL	1
109579	LOCK NUT BAL SHAFT	2
109590	SEAL PRESSURE OIL	1
109608	FRONT CAMSHAFT BUSH	1
109612	GASKET CRKCSE DOOR	2
109616	GASKET, CAMSHAFT HOLE COVER	1
109618	BEARING, CRANKSHAFT (REAR)	1
109622	GEAR BAL SHAFT DR RH	1
109624	BUSHING, BALANCING SHAFT	4
109633	GASKET LOCK SCREW	8
109633	GASKET LOCK SCREW	5
109803	GAUGE PLASTIC SIGHT	1
110148	SEAL OIL	1
110149	RETAINER CS O SEAL	1
110158	SEAL OIL	2
110174	SLEEVE, CMSHFT OIL SEAL	1
110248	THROWER OIL	2
110669	KEY WOODRUFF SPEC	1
111251	HXHDSCR,,38-24 X .75	1
111372	NUT,JAM,1.125-12 X .61	1
111473	CONNECTION-ELECT	1
111623	WIRE,MOTOR LEAD -#14	2
176412	GASKET	1
211196	O RING,1.25X1.5X.12,FKM	2
211196	O RING,1.25X1.5X.12,FKM	3
109503A	PLATE THRUST	2
109514Z	GEAR BALANCING DRIVE	1
109535A	WASHER,,39DRX.19	1
109542A	BEARING, CRANKSHAFT (FRONT)	1
109546A	SHIM CRKSHAFT THRUST	6
109546B	SHIM CRKSHAFT THRUST	3
109546C	SHIM CRKSHAFT THRUST	2
109559B	GASKET OIL PUMP BODY	1
109561A	GASKET RELIEF VALVE	1
109571A	GASKET FRONT PLATE	1

109619A	BUSHING, CAMSHAFT REAR	1
109625A	SCREW LOCK	2
109626A	SET SCR, SOCKET W/DOGPT 1/4-20	6
109791C	COUPLING,FLEXIBLE	1
110150A	OIL PUMP ASM.	1
110177A	SPACER,CRNKSHFT SEAL	1
110184A	TUBE,OIL PRESSURE	1
110186B	TUBE, OIL SUCTION	1
110533C	GUARD, CRANKSHAFT	1
111207A	COVER,CRKSHFT.GUARD	1
116880C	VALVE,BALL,.50 NPT	1
118013F	O RING,4.00X4.25X.12,NITRILE	2
118013F	O RING,4.00X4.25X.12,NITRILE	2
118013M	O RING,1.12X1.38X.12,NITRILE	1
152452D	SPACER,COVER	1
168922F	O RING,8.00X8.25X.12,NITRILE	1
177382A	NUTELSTOP,.50-20X.59	4
194769G	CONN,MALE,.50 ODX .38NPT	2
199111D	ELBOW,MALE,.50 ODX.38NPT	2
73654S	PIPE,.50 X 8.00 TBE	1
7721B	NUT ADJ SCREW	2
78212G	BUSH,RED,.75X.50	1
A111352	OIL LINE ASM	1
A111352A	OIL LINE ASM.	1
A166182L	FLEXIBLE HOSE ASM	1
A166182U	HOSE FLEXIBLE ASM	1
B10168C	PIPE FITTING STREET ELBOW	2
B10410	WASHER 25/32X1X1/32 (Copper)	2
B1686	ELBOW,HALF UNION 4X2	1
B1956A	GASKET, BREATHER	1
B2543	GASKET	1
B2544	GASKET CYL BASE	1
B2674	NUTSPARKINDK1-20X3/8	3
B2747	WASHR25/64X9/16X.050	2
B3109A	HEATER, OIL	1
B4296A	CAP, OIL FILLER	1
B4681	SCREW VALVE LIFT ADJ	2
B567A	ELBOW,STREET,.12SPEC	1
B6417	PLUG,EXP,1.75,BRASS	2
B7106	FITTING,.188REST,.12	1
B9107A	SPRING, OIL RELIEF VALVE	1
BA111666	ROD CONN ASM	1
FA110475	VALVE,C'CASE BREATHER ASM.	1
O109519	LIFTER VALVE ASSEM	2
O109531X	GEAR, IDLER	1
Y18802	1/8" NPTF Steel Socket Head Pipe Plug 3/4" Taper Dryseal	20
Y18814E	WASHER, FLAT, #10, 3/16 PLATED	1
Y19247	TERMINAL,WIRE#8 14-18AWG	6
Y7408C	NUTELSTOP,.25-28X.312	2