



PARTS LIST

for Two Cylinder

Novo Rollr Engines

Radiator and Hopper Cooled Types

MODELS

UF - 3" x 4"

RU - 3 $\frac{1}{4}$ " x 5"

HU - 3 $\frac{3}{16}$ " x 4"

YU - 3 $\frac{3}{4}$ " x 5"

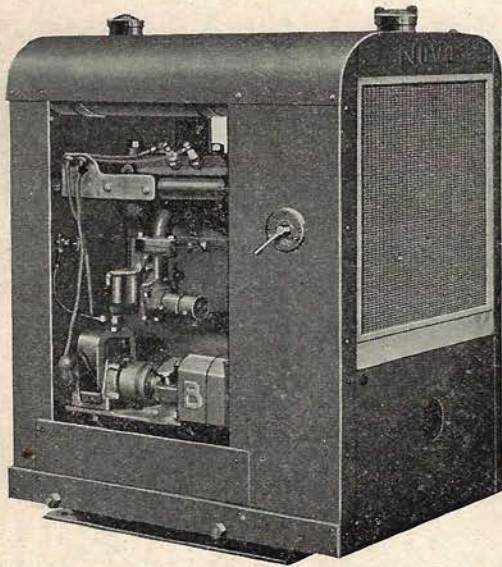


FIG. 1125. RADIATOR

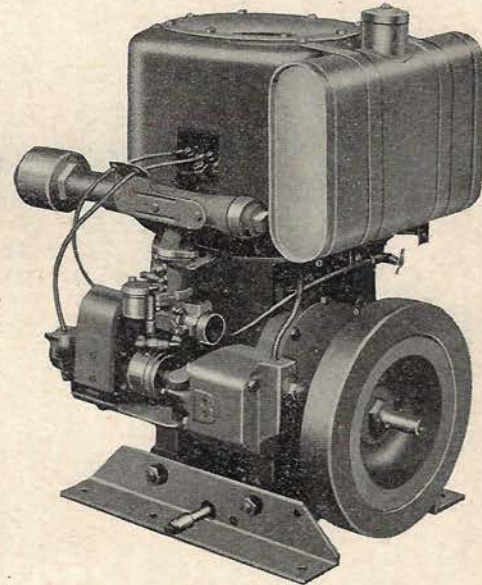


FIG. 1132. HOPPER COOLED

NOVO ENGINE CO.
Clarence E. Bement, Vice-Pres. & Gen. Mgr.
LANSING ~ MICHIGAN

U. S. A.

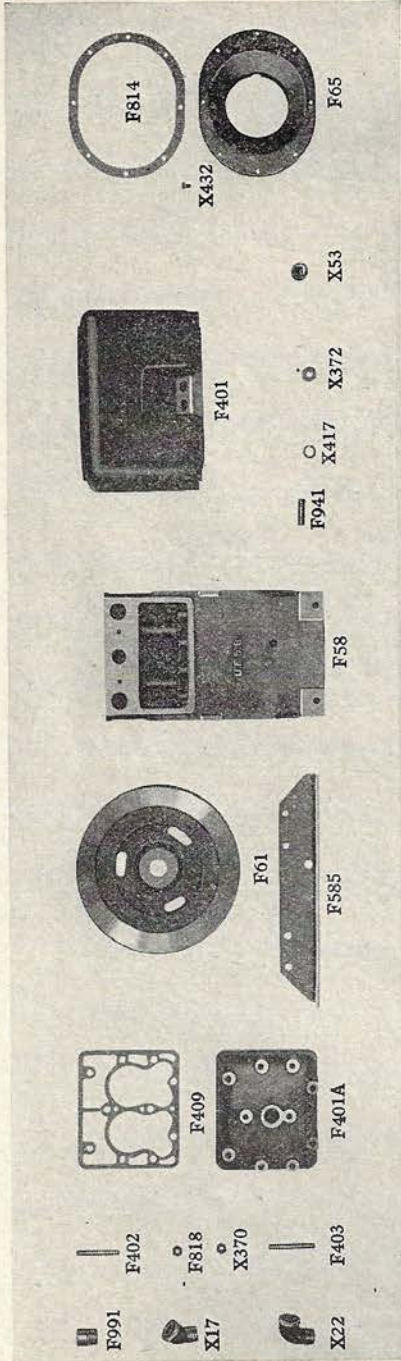
New York Office—243 Graybar Bldg.

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CYLINDER, CYLINDER HEAD AND FLY WHEEL PARTS

Cylinder for HU listed on page 22. Water Manifold parts for RU and YU engine list on pages 17 and 18.



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
*F58A	Cylinder assembled with parts F1A, 20, 22, 23, 105, 165, and 927.							
F58	See note below†	1	101UFA	52.00	101RUA	73.50	101YUA	84.50
F61	Cylinder with parts 23 and 105. See note below†	1	101UF	38.00	101RU	58.00	101YU	65.00
F65	Fly wheel	1	UF61	12.00	RU61	20.00	RU61	20.00
F401	Hopper cover	1	UF65	1.25	RU65	1.50	RU65	1.50
F401A	Cylinder head and hopper	1	UF401	12.00	RU401	16.00	YU401	17.50
F402	Cylinder head	1	UF401A	8.25	RU401A	11.00	YU401A	12.00
F402	1/8" x 2 1/16" Cylinder head stud, short	8	RF402	.20	UF402	.20	UF402	.20
F402	1/8" Cylinder head stud, short, 2 1/16" long, RU, 3 1/2" long YU	13						
F402	1/8" x 3 1/2" Cylinder head stud, short	7						
F402	1/8" x 3 1/16" Cylinder head stud, short	11						
F403	1/8" x 3 1/16" Cylinder head stud, long	2	UF403	.20	UF403	.20	UF403	.20
F403	1/8" x 5 1/16" Cylinder head stud, long	2						
F403	1/8" x 3 1/16" Cylinder head stud, long	3						
F403	1/8" x 4 1/4" Cylinder head stud, long	4						
F409	Cylinder head gasket	1	UF409	.50	RU409	.60	RU409	.60
*F413	1/8" x 1 1/16" Stud for water outlet manifold	1						
F413	3/8" x 1 1/16" Stud for water inlet manifold or cover plate	2						
*F465	Water inlet manifold	1						
*AF578	Gasket for water manifold, 1 used on hopper and 2 on radiator cooled	2						
F585	Housing and engine support—(obsolete)	2	UF585	1.50	UF585	1.80	UF578	.05
*F585L	Housing and engine support, left hand or plain side of engine for diaphragm pump—(obsolete)	1	UF585LF	2.25	UF585LF	2.25	UF585	1.80
*F585R	Housing and engine support right hand or carburetor side of engine for diaphragm pump—(obsolete)	1	UF585RF	2.15	UF585RF	2.15	UF585	1.80
F585B	Engine support, hopper cooled less housing only	2	UF585B	1.50	UF585B	1.80	UF585B	1.80
F585C	Engine and housing support, plain side of engine	1	T3384	2.50	T3386	2.80	T3386	2.80
F585D	Engine and housing support, carburetor side of engine	1	T3385	2.50	T3387	2.80	T3387	2.80
F585E	Engine and housing support for diaphragm pump, plain side of engine UF only	1	T3614	3.25	T3614	3.25	T3614	3.25
F585F	Engine and housing support for diaphragm pump, carburetor side of engine UF only	1	T3615	3.15	T3615	3.15	T3615	3.15
*F604	Water outlet manifold	1						
*F620	Cover plate for water inlet	1						

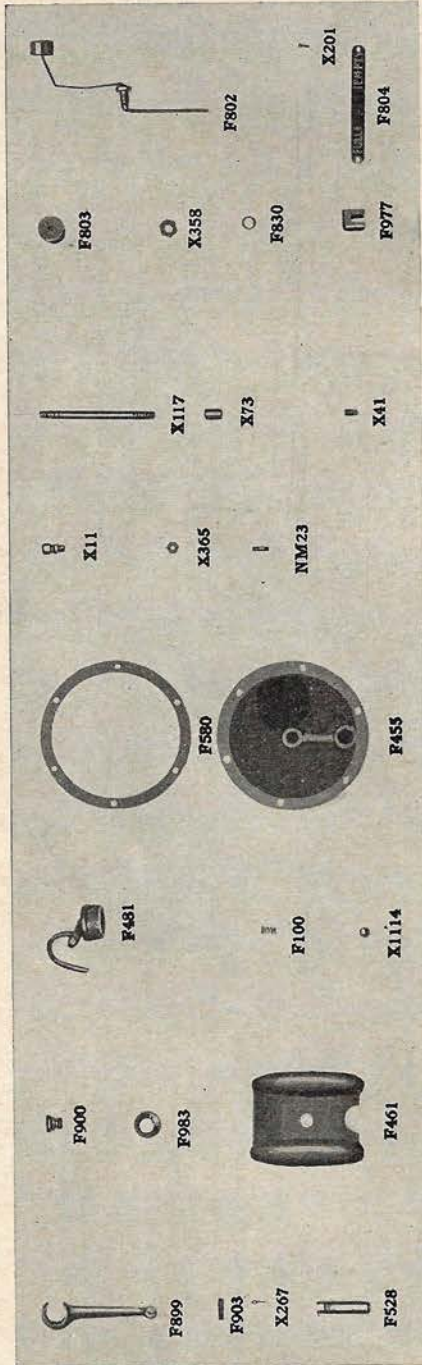
*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



OIL PUMP, OIL DRAIN AND OIL GAUGE PARTS

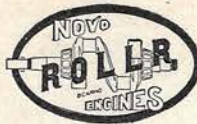
Refer to page 23 for Bayonet oil gauge, oil pan and new style oil pump parts.



Part No.	NAME OF PART	No. Used	UF and HU		RU		HOPPER		RADIATOR		YU	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
NM23	1/4" x 3/8" Stud for oil pump to cylinder—(Obsolete)—used on engines numbered previous to No. 5845. For 3/8" stud see part F937	6	6NM23A	.12	6NM23A	.12	.....	.....	.....	.....	.....	.....
F100	Oil pump spring	2	RF100	.09	RF100	.09	RF100	.09	RF100	.09	RF100	.09
F455	Oil pump body—(Obsolete)	1	UF455B	5.00	UF455B	5.00	UF455B	5.00	UF455B	5.00	UF455B	5.00
*F455B	Oil pump assembled complete with parts 100, 455, 461, 528, 900, 983, 1054, X39 and X1114, used on engines after UF7015 and RU and YU 6987—(Obsolete)	1	T3331	7.60	T3331	7.60	T3332	7.75	T3332	7.75	T3332	7.75
*F455A	Oil pump assembled complete with parts 100, 455, 461, 528, 900, 983, X11 and X1114—(Obsolete) used on engines numbered previous to UF7015 and RU and YU 6988	1	T3240	8.75	T3240	8.75	T3285	8.90	T3285	8.90	T3285	8.90
F461	Oil trough—Used on engine with 3/8" long oil dip on connecting rod—(Obsolete) used on engines numbered previous to UF7016 and RU and YU 6988	1	UF461	.35	UF461	.35	RU461	.50	RU461	.50	RU461	.50
F461	Oil trough—Used on engine with 1 1/8" long oil dip on connecting rod, used on engines numbered after UF7015 and RU and YU 6987	1	UF461B	.50	UF461B	.50	RU461C	.65	RU461C	.65	RU461C	.65
F481	Oil strainer assembled with part X11—(Obsolete)	1	T3241	1.50	T3241	1.50	T3241	1.50	T3241	1.50	T3241	1.50
F528	Oil pump plunger—(Obsolete)	1	UF528	1.00	UF528	1.00	UF528	1.00	UF528	1.00	UF528	1.00
F580	Gasket for oil pump body to cylinder	1	UF580	.10	UF580	.10	UF580	.10	UF580	.10	UF580	.10
F802	Oil gauge assembled with parts 802, 803, 829 and X352—(Obsolete)	1	T3233	1.10	T3233	1.10	T3233	1.10	T3233	1.10	T3233	1.10
F803	Oil gauge float—(Obsolete)	1	RF803	.10	RF803	.10	RF803	.10	RF803	.10	RF803	.10
F804	Indicator for oil gauge—(Obsolete)	1	UF804	.25	UF804	.25	UF804	.25	UF804	.25	UF804	.25
F830	Gasket for oil gauge screw—(Obsolete)	1	RF830	.01	RF830	.01	RF830	.01	RF830	.01	RF830	.01
F899	Eccentric rod for oil pump	1	UF899A	1.00	UF899A	1.00	UF899	1.65	UF899	1.65	UF899	1.65
F900	Discharge fitting for oil pump—(Obsolete)	1	UF900A	.35	UF900A	.35	UF900A	.35	UF900A	.35	UF900A	.35
F900	Discharge fitting for oil pump	1	UF900C	.35	UF900C	.35	UF900C	.35	UF900C	.35	UF900C	.35
F903	Pump plunger pin	1	UF903	.15	UF903	.15	UF903	.15	UF903	.15	UF903	.15
*F937	3/8" x 1 1/2" Stud for oil pump to cylinder, used on engines numbered after No. 5844	6	UF937	.10	UF937	.10	UF937	.10	UF937	.10	UF937	.10
F977	Guard for oil gauge rod—(Obsolete)	1	UF977	.10	UF977	.10	UF977	.10	UF977	.10	UF977	.10
F983	Cup for oil discharge fitting—(Obsolete)	1	UF983	.10	UF983	.10	UF983	.10	UF983	.10	UF983	.10
*F983A	Outer cup for oil discharge fitting	1	UF983A	.15	UF983A	.15	UF983A	.15	UF983A	.15	UF983A	.15

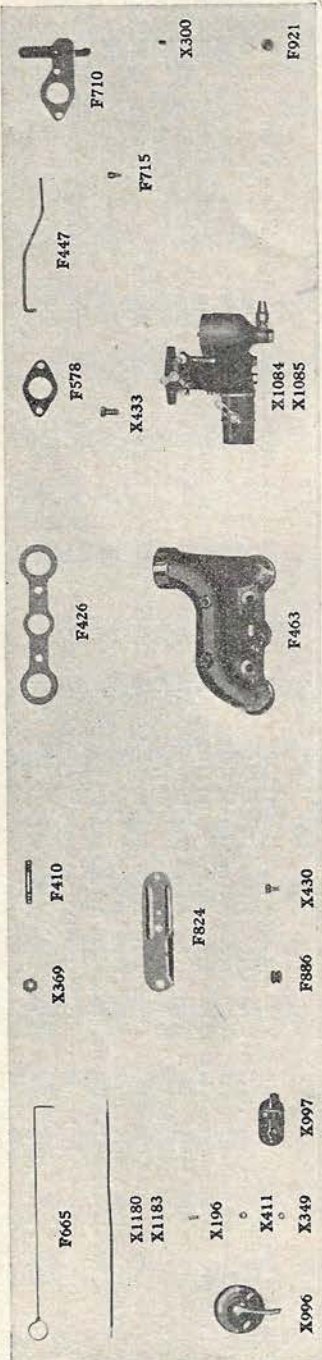
*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used		HOPPER		RADIATOR		HOPPER		RADIATOR		YU		
		Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	
F968	Crank shaft lock washer for power gear side.	1	UF968	.10	UF968	.10	UF968	.10	UF968	.10	UF968	.10	UF968	.10
F994B	Cup for roller bearings, No. 414 used on UF, No. 532A on RU and YU.	2	UF994B	2.60	UF994B	2.60	UF994B	5.04	UF994B	5.04	UF994B	5.04	UF994B	5.04
F995B	Cone and rollers, No. 418 used on UF, No. 536 on RU and YU.	2	UF995B	4.88	UF995B	4.88	UF995B	6.99	UF995B	6.99	UF995B	6.99	UF995B	6.99
*F1073	Outer retainer for felt washer.	1	UF1073	.20	UF1073	.25	UF1073	.25	UF1073	.25	UF1073	.25	UF1073	.25
X358	Hex nut for counterweight stud, 2 used on UF, 4 on RU and YU	2	X358	.04	X358	.04	X358	.09	X358	.09	X358	.09	X358	.09

MANIFOLD, CARBURETOR, SWITCH, GOVERNOR ROD AND HAND THROTTLE PARTS



F410	Manifold stud	2	UF410	.15	UF410	.15	UF410	.10	UF410	.10	UF410	.10	UF410	.10
F426	Manifold gasket	1	UF426	.20	UF426	.20	UF426	.20	UF426	.20	UF426	.20	UF426	.20
F447	Governor rod—(Obsolete)	1	UF447	.35	UF447	.35	UF447	.35	UF447	.35	UF447	.35	UF447	.35
F447A	Governor rod for curved lever drive A.	1	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35
F447B	Governor rod for curved lever drive B.	1	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35	UF447C	.35
F463	Inlet and exhaust manifold	1	UF463	3.00	UF463	3.00	UF463	4.25	UF463	4.25	UF463	4.25	UF463	4.25
F578	Gasket for carburetor	2	NF578	.05	NF578	.05	NF578	.05	NF578	.05	NF578	.05	NF578	.05
F665	Choker wire for hopper cooled less housing	1	UF665	.08	UF665	.08	UF665	.09	UF665	.09	UF665	.09	UF665	.09
F665	Choker wire for hopper cooled with housing	1	UF665A	.10	UF665A	.10	UF665B	.12	UF665B	.12	UF665B	.12	UF665B	.12
F665	Choker wire for radiator cooled	1	UF665B	.15	UF665B	.15	UF665B	.15	UF665B	.15	UF665B	.15	UF665B	.15
F710	Hand throttle assembled	1	T3273	1.50	T3273	1.50	T3273	1.50	T3273	1.50	T3273	1.50	T3273	1.50
*F710A	Hand throttle assembled with parts F710, 578, 921 and X300.	1	T3277	1.70	T3277	1.70	T3277	1.70	T3277	1.70	T3277	1.70	T3277	1.70
F715	Throttle lever pin	1	RF715	.30	RF715	.30	RF715	.30	RF715	.30	RF715	.30	RF715	.30
F824	Magneto cable support	1	UF824	.30	UF824	.30	UF824	.40	UF824	.40	UF824	.40	UF824	.40
F886	No. 439 Rubber insulator for cable support	1	RF886	.03	RF886	.03	RF886	.03	RF886	.03	RF886	.03	RF886	.03
F921	Throttle lever stop	1	UF921	.10	UF921	.10	UF921	.10	UF921	.10	UF921	.10	UF921	.10
X196	5/8" x 1/2" Round head machine screw for Splittdorf or Jefferson switch	2	X196	.01	X196	.01	X196	.01	X196	.01	X196	.01	X196	.01
X300	1/4" x 3/8" Headless set screw for throttle lever stop	1	X300	.02	X300	.02	X300	.02	X300	.02	X300	.02	X300	.02
X349	3/8" Hex nut for switch	2	X349	.02	X349	.02	X349	.02	X349	.02	X349	.02	X349	.02
X369	3/8" Hex nut for manifold stud	2	X369	.03	X369	.03	X369	.03	X369	.03	X369	.03	X369	.03
X411	Lock washer for switch	2	X411	.01	X411	.01	X411	.01	X411	.01	X411	.01	X411	.01
X430	3/8" x 5/8" Hex head cap screw for cable support to manifold	2	X430	.03	X430	.03	X430	.03	X430	.03	X430	.03	X430	.03
X433	5/8" x 3/4" Hex head cap screw for carburetor to manifold	2	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04

NOTE:

UF engine—Model T3 3/4FA Zenith carburetor.
 Standard jet setting for Zenith carburetor 17 choke, 16x5 main jet, 17 compensating, 40 well and 44 seat.
 Special jet setting for Zenith carburetor for UF engine on diaphragm pump 17 choke, 14 x 5 main jet, 15 compensating, 40 well and 44 seat.
 RU and YU engines—Model ST4 Zenith carburetor.
 Standard jet setting for Zenith carburetor 21/10.5 choke, 18 x 7 main jet, 17 compensating, 45 well, 44 seat.
 UF and HU engine, model 84T, Zenith carburetor.
 Standard jet setting, 18 choke, 17 main jet, 17 compensating, 9 well, 44 seat. Same used on diaphragm pumps.
 RU and YU engine, Model 84T, Zenith carburetor.
 Standard jet setting, 20 choke, 18 main jet, 20 compensating, 9 well, 44 seat.

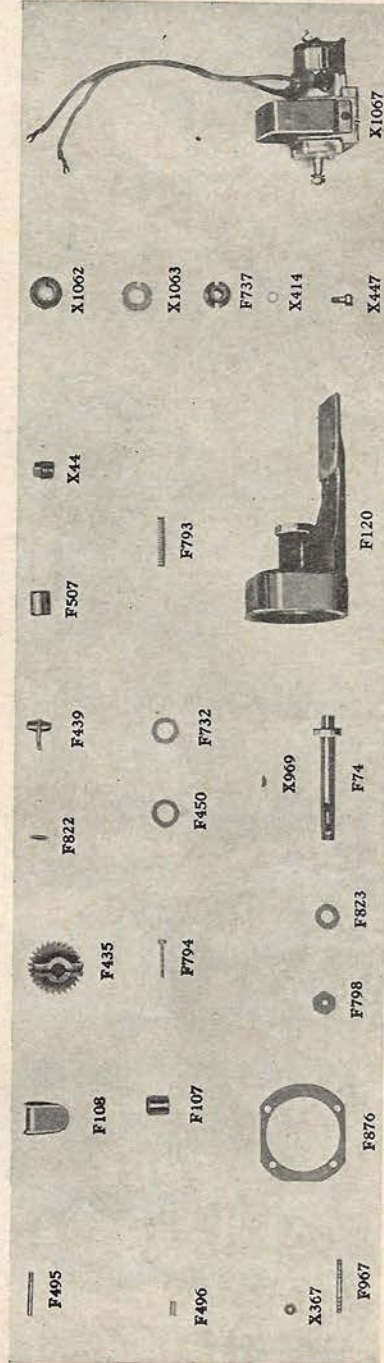
*PARTS NOT ILLUSTRATED.



Part No.	NAME OF PART	UF and HU		RADIATOR		HOPPER		RADIATOR		YU		
		No. Used	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
*X995	Splitdorf switch key	1	X995	.60	X995	.60	X995	.60	X995	.60	X995	.60
X996	Splitdorf switch with key	1	X996	2.00	X996	2.00	X996	2.00	X996	2.00	X996	2.00
X997	Jefferson switch	1	X997	.45	X997	.45	X997	.45	X997	.45	X997	.45
X1084	Carburetor for drive "A". (See note page 6 and page 12—(Obsolete))	1	X1084	15.00	X1084	15.00	X1086	15.00	X1086	15.00	X1086	15.00
X1085	Carburetor for drive "B". (See note page 6 and page 12—(Obsolete))	1	X1085	15.00	X1085	15.00	X1087	15.00	X1087	15.00	X1087	15.00
X1180	No. 16 Ground wire from switch to magneto for hopper cooled engine without housing, 19" long for UF, 23" long for RU and YU	1	X1180	.05	X1180	.05	X1184	.07	X1184	.07	X1184	.07
X1183	No. 16 Ground wire from switch to magneto for engine with housing, 31" long for UF, 36" long for RU and YU	1	X1183	.10	X1183	.10	X1185	.11	X1185	.11	X1185	.11
X1088	Model 84 carburetor A or B drive	1	X1088	17.50	X1088	17.50	X1980	17.50	X1089	17.50	X1089	17.50

GOVERNOR, MAGNETO AND BREATHER TUBE PARTS

For additional Governor and Magneto Impulse Coupling Parts, see pages 8, 9 and 10



F74	Governor shaft and collar assembled	1	T3237	3.25	T3237	3.25	T3237	3.25	T3237	3.25	T3237	3.25
F107	Breather tube—(Obsolete)	1	UF107	.15	UF107	.15	UF107	.15	UF107	.15	UF107	.15
F108	Breather tube cover—(Obsolete)	1	UF108A	.15	UF108A	.15	UF108A	.15	UF108A	.15	UF108A	.15
*F108B	Breather tube	1	UF108B	.20	UF108B	.20	UF108B	.20	UF108B	.20	UF108B	.20
F120	Magneto and governor bracket with part 507 (state whether A or B drive.) See page 14.	1	104UF	7.50	104UF	7.50	104UF	7.50	104UF	7.50	104UF	7.50
*F120A	Governor assembled complete with parts 74, 120, 435, 450, 752, 793, 794, 798, 822, 823 and 969 (state whether A or B drive.) See page 14.	1	T3316	18.00	T3316	18.00	T3288	19.25	T3288	19.25	T3288	19.25
F435	Governor pinion	1	UF435	2.00	UF435	2.00	RU435	3.00	RU435	3.00	RU435	3.00
F439	Governor weight	1	UF439A	1.00	UF439A	1.00	RF439A	1.00	RF439A	1.00	RF439A	1.00
F450	Governor sleeve washer 1/8" thick	2	RF450	.15	RF450	.15	RF450	.15	RF450	.15	RF450	.15
F495	1/4" x 2 1/4" Stud for breather cap—(Obsolete)	1	UF495	.20	UF495	.20	UF495	.20	UF495	.20	UF495	.20
F496	Spring for breather pipe cap—(Obsolete)	1	UF496A	.05	UF496A	.05	UF496A	.05	UF496A	.05	UF496A	.05
F507	Brass bushing for governor shaft, interchangeable with wood bushing	1	UF507A	.40	UF507A	.40	UF507A	.40	UF507A	.40	UF507A	.40
F732	Fiber washer for governor shaft	2	RF732	.12	RF732	.12	RF732	.12	RF732	.12	RF732	.12
F737	Coupling for magneto shaft—(Obsolete)	1	LF737	1.40	LF737	1.40	RF793	.20	RF793	.20	RF793	.20
F793	Spring for governor shaft plunger	1	RF793	.20	RF793	.20	RF793	.20	RF793	.20	RF793	.20
F794	Governor plunger	1	RF794	.50	RF794	.50	RU794	.60	RU794	.60	RU794	.60
F798	Nut for governor shaft	1	RF798	.70	RF798	.70	RF798	.70	RF798	.70	RF798	.70
F822	Pin for governor weight	1	RF822	.05	RF822	.05	RF822	.05	RF822	.05	RF822	.05
F823	Governor shaft lock washer 1/2" thick	2	RF823	.10	RF823	.10	RF823	.10	RF823	.10	RF823	.10

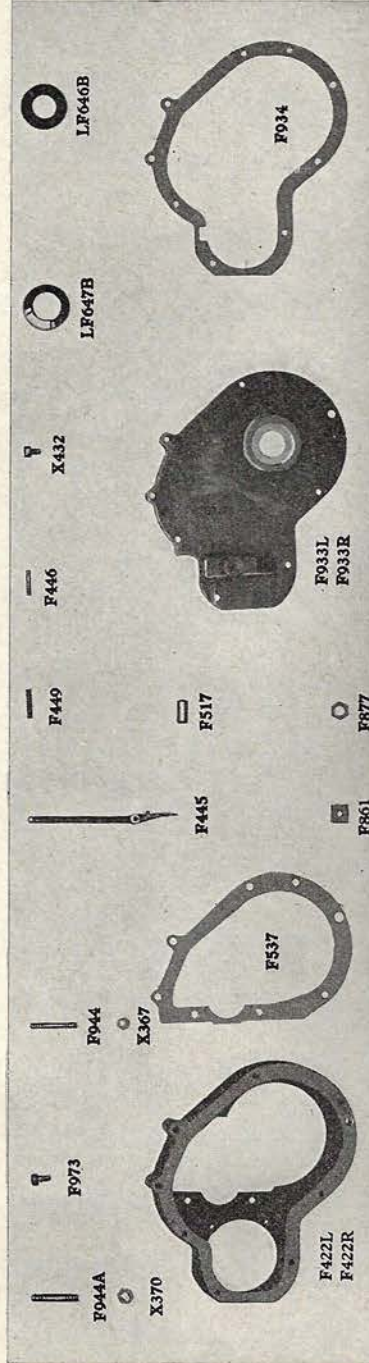
*PARTS NOT ILLUSTRATED.

Continued on Page 8



Part No.	NAME OF PART	No. Used		UF and HU		RADIATOR		HOPPER		RADIATOR		HOPPER		YU	
		UF	HU	UF	HU	UF	HU	UF	HU	UF	HU	UF	HU	UF	HU
F876	Gasket for magneto and governor bracket.	1		UF876		UF876		UF876		UF876		UF876		UF876	
F967	Stud for magneto and governor bracket to cylinder—short, used on UF engine numbered previous to 5840.	4		UF967		UF967		UF967		UF967		UF967		UF967	
*F967A	Stud for magneto and governor bracket to cylinder—long, used on UF engine numbered after 5839.	3		UF967A		UF967A		UF967A		UF967A		UF967A		UF967A	
X44	3/4" Pipe plug for magneto and governor bracket.	1		X44		X44		X44		X44		X44		X44	
X367	5/8" Hex nut for magneto and governor bracket stud.	1		X367		X367		X367		X367		X367		X367	
X414	3/8" Lock washer for magneto cap screw.	2		X414		X414		X414		X414		X414		X414	
X447	3/8" x 3/4" Hex head cap screw for magneto.	2		X447		X447		X447		X447		X447		X447	
X969	No. 6 Woodruff key for governor shaft.	2		X969		X969		X969		X969		X969		X969	
X1062	Adjustable coupling for magneto—(Obsolete).	2		X1062		X1062		X1062		X1062		X1062		X1062	
*X1062A	Adjustable coupling with floating member X1063 for magneto—(Obsolete).	1		X1062A		X1062A		X1062A		X1062A		X1062A		X1062A	
X1063	Floating member.	1		X1063		X1063		X1063		X1063		X1063		X1063	
X1067	GS2 Eisemann magneto with cable—give model and drive of engine. See page 14.	1		X1067		X1067		X1067		X1067		X1067		X1067	
*UNM50	Magneto cable 18" long for Splitdorf or Eisemann magneto, drive A or B.	2		UNM50		UNM50		UNM50		UNM50		UNM50		UNM50	
*RNM50C	Magneto cable 26" long, for Splitdorf or Eisemann magneto, drive B.	2		RNM50C		RNM50C		RNM50C		RNM50C		RNM50C		RNM50C	
*RNM50B	Magneto cable 22" long, for Splitdorf or Eisemann magneto, drive A.	2		RNM50B		RNM50B		RNM50B		RNM50B		RNM50B		RNM50B	

GEAR CASE AND GOVERNOR LEVER PARTS



F422L	Gear case for drive B, used on engines numbered previous to UF 6936 and RU, YU7001, see page 14. See note following list (Obsolete).	1		UF422L		UF422L		UF422L		UF422L		UF422L		UF422L	
*F422LA	Gear case for drive B, used on engines numbered after UF6936 and RU, YU7000, see page 14.	1		UF422LB		UF422LB		UF422LB		UF422LB		UF422LB		UF422LB	
F422R	Gear case for drive A, used on engines numbered previous to UF6936 and RU, YU7001, see page 14. See note following list—(Obsolete).	1		UF422R		UF422R		UF422R		UF422R		UF422R		UF422R	
*F422RA	Gear case for drive A, used on engines numbered after UF6936 and RU, YU7000, see page 14.	1		UF422RB		UF422RB		UF422RB		UF422RB		UF422RB		UF422RB	
F445	Curved governor lever—(Obsolete).	1		UF445		UF445		UF445		UF445		UF445		UF445	
*F445	Curved governor lever drive A.	1		RU445B		RU445B		RU445B		RU445B		RU445B		RU445B	
F446	Curved governor lever drive B.	1		RU445C		RU445C		RU445C		RU445C		RU445C		RU445C	
F449	Governor lever pin.	1		RF446		RF446		RF446		RF446		RF446		RF446	
F449	Governor adjusting spring.	1		RF449		RF449		RF449		RF449		RF449		RF449	

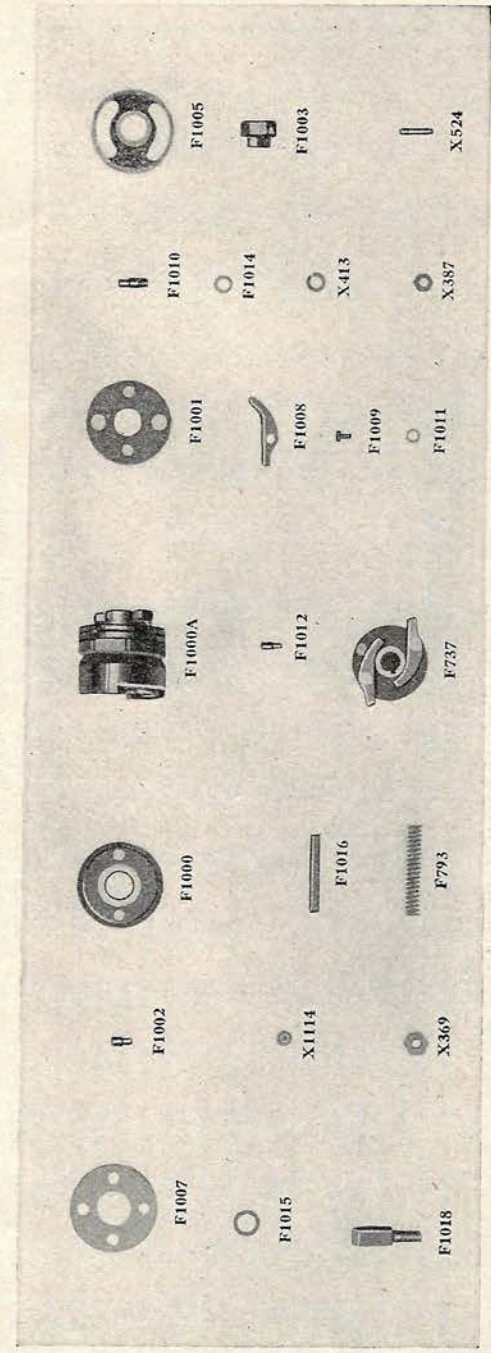
*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	UF and HU		RADIATOR		HOPPER		RU		RADIATOR		HOPPER		YU		
		No. Used	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F517	Governor spring adjusting screw	1	RF517A	.40	RF517A	.40	RF517A	.40	RF517A	.40	RF517A	.40	RF517A	.40	RF517A	.40
F537	Gear case gasket	1	UF537	.05	UF537	.05	UF537	.10	RU537	.10	RU537	.10	RU537	.10	RU537	.10
LF646B	Felt washer for gear case cover	1	LF646B	.20	LF646B	.20	LF646B	.25	AF646	.25	AF646	.25	AF646	.25	AF646	.25
LF647B	Inner felt washer retainer for gear case cover	1	LF647B	.20	LF647B	.20	LF647B	.20	RU647	.20	RU647	.20	RU647	.20	RU647	.20
*F757	Spring for cam shaft stop—front, used on engines numbered after 6525	1	UF757A	.15	UF757A	.15	UF757A	.15	UF757A	.15	UF757A	.15	UF757A	.15	UF757A	.15
F861	Felt washer for governor lever	1	RF861A	.15	RF861A	.15	RF861A	.15	RF861A	.15	RF861A	.15	RF861A	.15	RF861A	.15
F877	Lock nut for governor adjusting screw	1	RF877	.10	RF877	.10	RF877	.10	RF877	.10	RF877	.10	RF877	.10	RF877	.10
F933L	Gear case cover for drive B—see page 14. See note following list.	1	UF933LC	4.25	UF933LC	4.25	UF933LC	5.00	RU933LB	5.00	RU933LB	5.00	RU933LB	5.00	RU933LB	5.00
F933R	Gear case cover for drive A—see page 14. See note following list.	1	UF933RC	4.25	UF933RC	4.25	UF933RC	5.00	RU933RB	5.00	RU933RB	5.00	RU933RB	5.00	RU933RB	5.00
F934	Gasket for gear case cover	1	UF934	.20	UF934	.20	UF934	.25	RU934	.25	RU934	.25	RU934	.25	RU934	.25
F944	1/8" x 2 1/2" Stud for gear case	4	UF944	.10	UF944	.10	UF944	.20	RU944	.20	RU944	.20	RU944	.20	RU944	.20
F944A	1/8" x 2 1/2" Stud for gear case, 6 used on drive A and 5 on drive B	1	UF944A	.15	UF944A	.15	UF944A	.20	RU944A	.20	RU944A	.20	RU944A	.20	RU944A	.20
F944A	1/8" x 3 1/2" Stud for gear case, used on drive B only	1	UF944A	.15	UF944A	.15	UF944A	.20	RU944A	.20	RU944A	.20	RU944A	.20	RU944A	.20
F973	Special Hex head cap screw for gear case to cylinder, 5/8" x 3/4" used on UF, 1/2" x 3/4" on RU and YU	2	UF973	.05	UF973	.05	UF973	.08	RUI026	.08	RUI026	.08	RUI026	.08	RUI026	.08
*F1073	Outer retainer for felt washer	1	UF1073	.20	UF1073	.20	UF1073	.25	RUI073	.25	RUI073	.25	RUI073	.25	RUI073	.25
X367	1/2" Hex nut for gear cover stud	4	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02
X370	1/2" Hex nut for gear cover stud, 1 used on UF and 6 used on RU and YU	4	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03
*X415	1/4" Shakeproof lockwasher for gear case	2	X415	.04	X415	.04	X415	.04	X415	.04	X415	.04	X415	.04	X415	.04
X432	3/8" x 3/8" Hex head cap screw for gear case cover	2	X432	.04	X432	.04	X432	.04	X432	.04	X432	.04	X432	.04	X432	.04
*X433	3/8" x 3/8" Hex head cap screw for gear case cover	3	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04
*X464	1/2" x 1 1/4" Hex head cap screw for oil gauge float stop drive A only	3	X464	.04	X464	.04	X464	.04	X464	.04	X464	.04	X464	.04	X464	.04
*X470	3/8" x 3/8" Hex head cap screw for gear case	1	X470	.01	X470	.01	X470	.01	X470	.01	X470	.01	X470	.01	X470	.01
*X674	3/8" x 3/8" Round head rivet for cam shaft stop spring	2	X674	.01	X674	.01	X674	.01	X674	.01	X674	.01	X674	.01	X674	.01

MAGNETO IMPULSE COUPLING PARTS



NOTE:—When ordering part F422R or L gear case for UF engine numbered previous to engine Number 5840, parts F933R or L, F967A and one X367 will be included to make same interchangeable with old style case.
Part F933 R or L gear case cover is interchangeable with old style cover used on UF engines numbered previous to engine number 5840 when hole for magneto bracket stud is plugged. Tag cover to this effect when shipping.
Part UF933RC, UF933LC, RU933RB and RU933LB is interchangeable with UF933L, UF933R, RU933L and RU933R when new retainers are included.

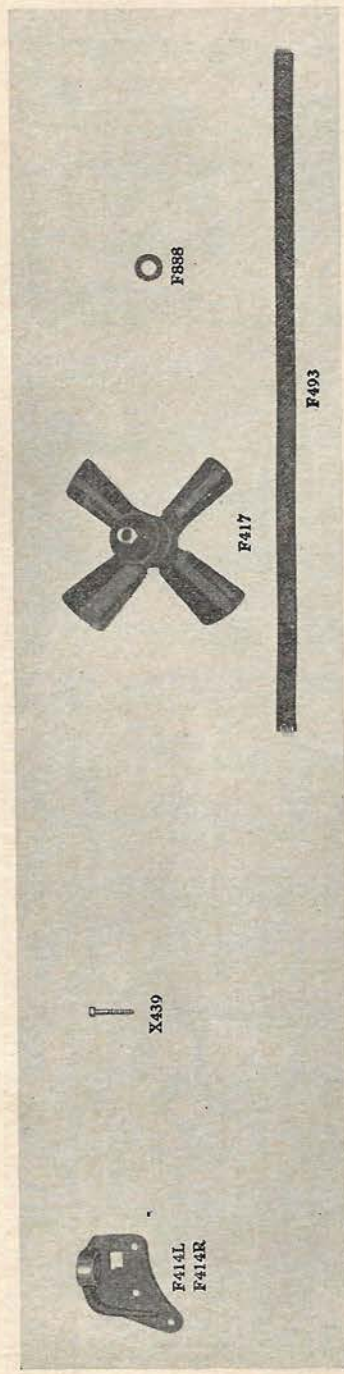
*PARTS NOT ILLUSTRATED.

Continued on Page 10



F737	Hub assembled with parts 737, 1008, 1009, 1011, and 1012 for GH2 Splitdorf magneto.....	1	T3302	2.50
F737	Hub assembled with parts 737, 1008, 1009, 1011, and 1012 for GS2 Eisemann magneto.....	1	T3321	2.50
F738	Spring for impulse coupling.....	2	UF1290	.10
F1000	Housing assembled with parts 1000, 1002 and 1006.....	1	T3303	2.50
F1000A	Impulse coupling assembled with parts 737, 793, 1000, 1001, 1005, 1007, 1014, 1016, X1114 for GS2 Eisemann magneto.....	1	113GS	10.00
F1000A	Impulse coupling assembled with parts 737, 793, 1000, 1001, 1005, 1007, 1014, 1016, X1114 for GH2 Splitdorf magneto.....	1	113GH	10.00
F1001	Drive plate assembled with parts 1001, 1002, 1010, X387 and X413.....	1	T3318	1.25
F1002	Drive pin for impulse coupling.....	2	UF1002B	.05
F1003	Special nut for impulse coupling.....	1	UF1003A	.10
F1005	Drive hub for impulse coupling on governor shaft.....	1	UF1005	.50
F1007	Fiber disc.....	1	UF1007	1.00
F1008	Finger for impulse coupling.....	2	UF1008	.15
F1009	Pin for impulse coupling finger.....	2	UF1009	.10
F1010	Pin for impulse coupling drive plate.....	2	UF1010	.10
F1011	Washer for impulse coupling finger.....	2	UF1011	.01
F1012	Pin for impulse spring and hub.....	1	UF1012	.05
F1014	Washer for drive plate pin.....	2	UF1014	.01
F1015	Washer for impulse coupling hub and magneto shaft.....	1	UF1015	.03
F1016	1/4" Diameter, 1 1/2" long felt for impulse coupling spring.....	2	UF1016	.05
F1018	Stop for impulse coupling on magneto bracket.....	1	UF1018	.40
X369	3/8" Hex nut for impulse coupling stop.....	1	X369	.03
X387	3/8" S. A. E. nut for drive plate.....	2	X387	.01
X413	3/8" Lockwasher for drive plate.....	2	X413	.01
X524	No. 2 x 1" taper pin for drive hub.....	1	X524	.02
X1114	1/2" Steel ball for impulse coupling housing.....	3	X1114	.06

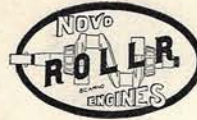
FAN AND BRACKET PARTS



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
F414L	Fan bracket for drive "B" (See page 14).....	1	UF414LA	2.50	RU414L	2.50	YU414L	2.50
F414R	Fan bracket for drive "A" (See page 14).....	1	UF414RA	2.50	RU414R	2.50	YU414R	2.50
*F415	5/16" x 4 1/2" Stud for adjusting fan.....	1			RU415	.15	YU415	.15
F417	Fan—plain bearing, blade 1 3/8" wide, (Obsolete) used on UF engines numbered previous to UF6526.....	1	UF417	5.50				
*F417A	Fan—plain bearing, blade 2" wide used on UF Engines numbered after UF6525.....	1	UF417A	5.50				
*F417B	Fan—ball bearing, blade 2" wide, used on engine above 1500 R. P. M. crank shaft speed or above—used on UF engine numbered after UF6525.....	1	UF417B	10.50	UF417A	5.50	UF417A	5.50
*F417C	Fan—ball bearing, blade 1 3/8" wide, used on UF engine numbered previous to UF6526.....	1	UF417C	10.50	UF417B	10.50	UF417B	10.50
F493	Fan belt, 1" wide, UF.....	1	UF493	1.00				
F888	Washer for bracket.....	2	RF888	.12	RF888	.12	RF888	.12
*X367	3/8" Hex nut for adjusting stud.....	1			X367	.02	X367	.02
X439	3/8" x 2" Hex head cap screw for adjusting fan.....	1	X439	.08				

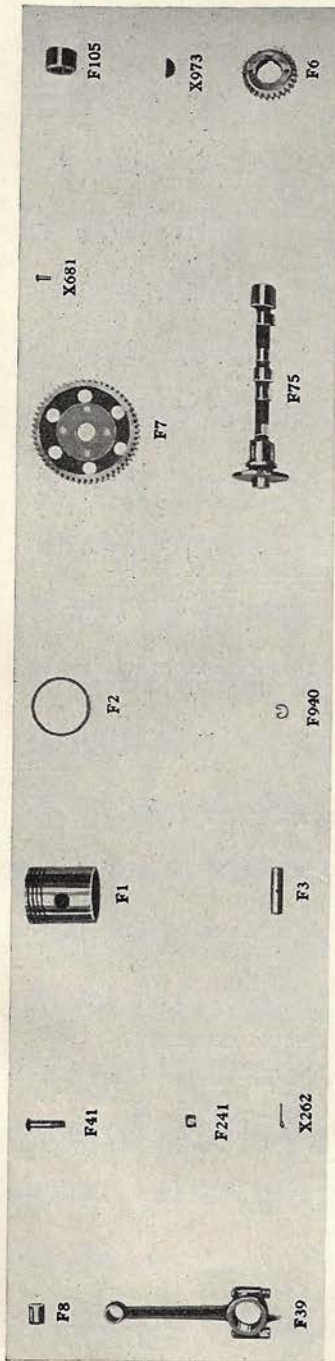
*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



PISTON, CONNECTING ROD, TIMING GEARS, CAM SHAFT AND BUSHING PARTS

For Piston Parts for HU, refer to page 22



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
*F1A	Piston assembled with parts 2, 3 and 940.	2	100UFA	4.80	100AFC	5.30	100YU	6.20
F1	Piston only—snap ring type used on model RU engine numbered after RU6604.	2	UF1	3.00	AF1D	3.25	YU1	3.75
F1	Piston only—lock screw type—(Obsolete) used on model RU engine numbered previous to RU6604.	2			AF1B	3.75		
F2	Plain piston ring, 6 used on engines numbered previous to UF6826, RU and YU6778 and 4 used after.	2	UF2	.30	AF2	.35	NF2	.45
F2	Oil piston ring, 2 used on engines numbered after UF6826 and RU and YU6778.	2	UF2D	.35	RU2D	.40	YU2D	.50
F3	Piston pin—snap ring type, used on RU engines numbered after RU6604.	2	UF3	.65	AF3A	.75	NF3A	.85
F3	Piston pin—lock screw type, (Obsolete), used on RU engines numbered previous to RU6604.	2			AF3	.80		
F6	Timing gear pinion on crank shaft.	1	UF6	2.00	RU6	3.00	RU6	3.00
F7	Cam gear.	1	UF7	1.75	RU7	2.25	RU7	2.25
F8	Connecting rod bushing.	2	UF8	.20	AF8	.35	AF8	.35
F39	Connecting rod assembled with parts 8, 41, 241 and X262—rod with 5/8" long oil dip used on engine numbered previous to UF7016, RU and YU 6987, 1 1/8" long oil dip used after UF7015 and YU 6987.	2	T3227	6.50	T3287	9.00	T3287	9.00
F41	Connecting rod bolt.	4	UF41	.25	RU41	.35	RU41	.35
*F75A	Cam shaft.	1	UF75	10.00	RU75A	12.00	RU75A	12.00
F105	Cam shaft and cam gear assembled, parts 7, 75 and 681.	1	T3229	12.50	T3320	14.25	T3320	14.25
*F139	Cam shaft bushing.	2	UF105	.35	RU105	.45	RU105	.45
F241	Piston pin lock screw—(Obsolete).	2			2S139D	.25		
*U757	Connecting rod bolt nut.	4	UF241	.15	2S241	.15	2S241	.15
F940	Expansion plug for cam shaft bearing.	1			RU757	.10	RU757	.10
*F1028	Snap ring for piston.	4	UF940	.10	AF940	.10	AF940	.10
X262	Brass thrust collar for cam shaft.	1			RU1028	.25	RU1028	.25
X681	Cotter pin for connecting rod bolt, 5/8" x 3/4" for UF and 5/8" x 1" for RU and YU.	4	X262	.01	X263	.01	X263	.01
X973	Round head rivet for cam gear to cam shaft, 1/4" x 5/8" for UF, 5/8" x 3/4" for RU and YU.	3	X681	.01	X691	.02	X691	.02
	Woodruff key for timing gear pinion on flywheel, No. C for UF, No. E for RU and YU.	1	X973	.05	X967	.05	X967	.05

*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



POWER GEAR COMBINATIONS

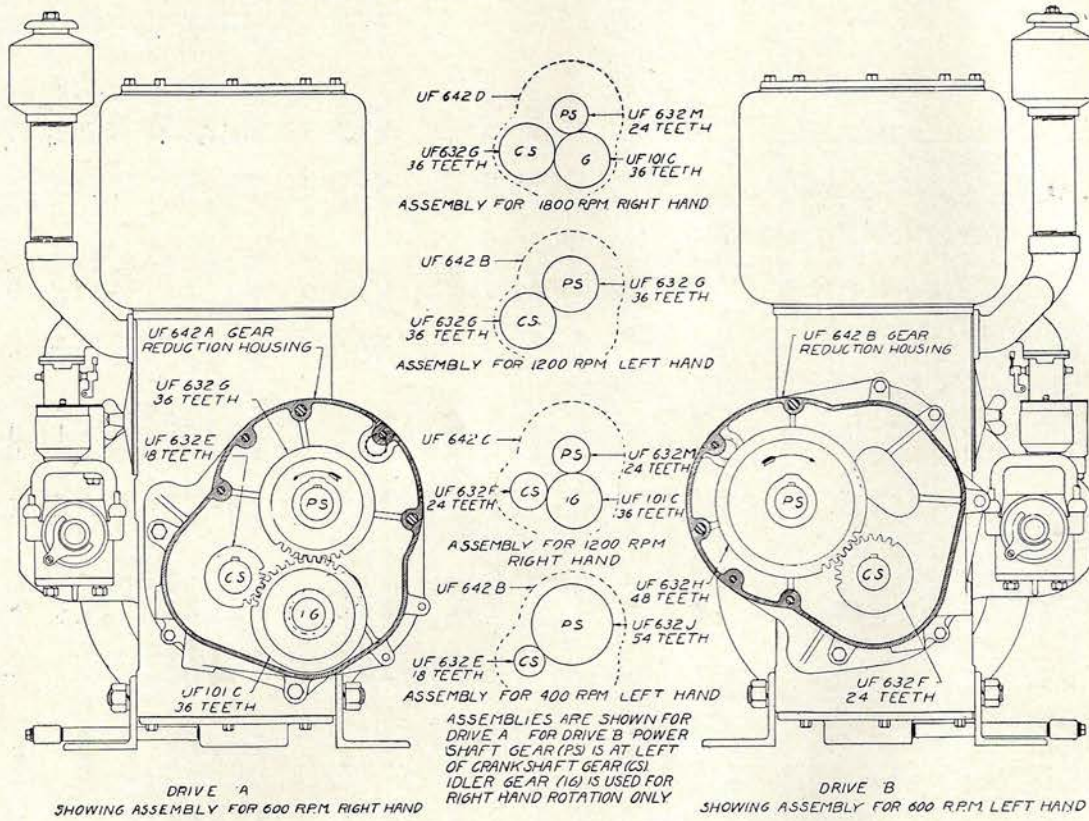


Fig. C366. UF and HU ENGINE

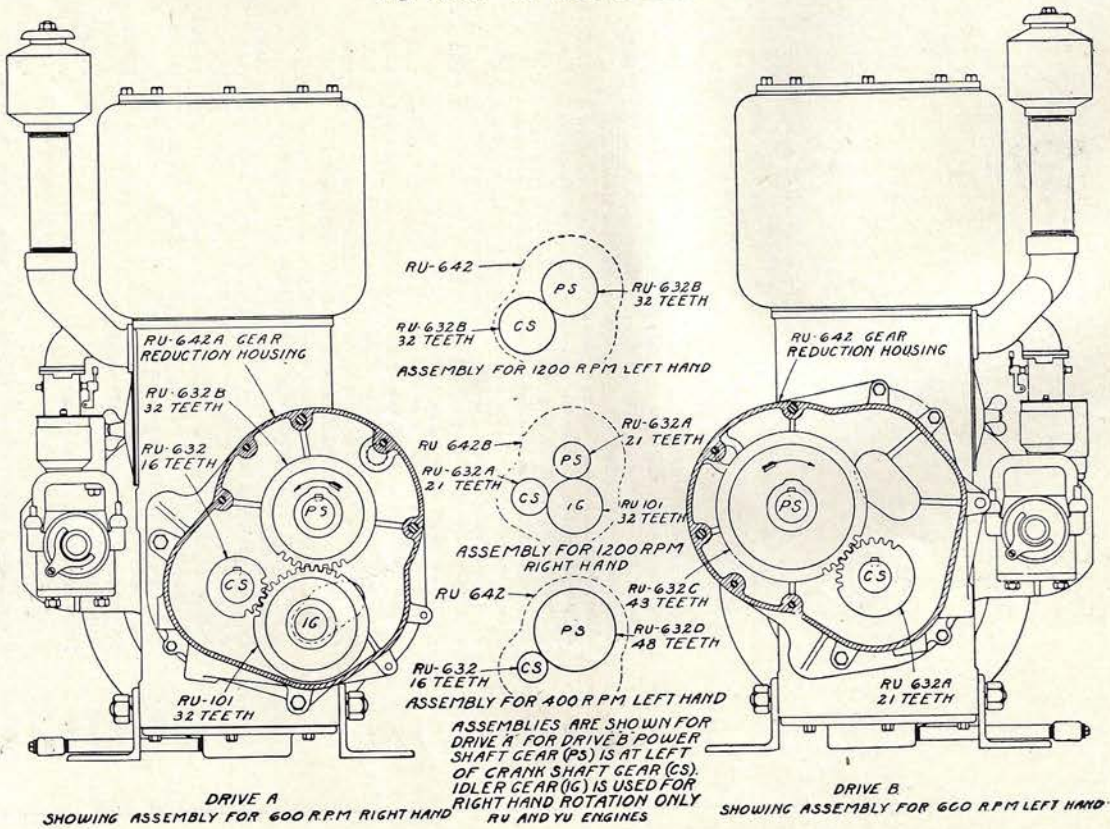
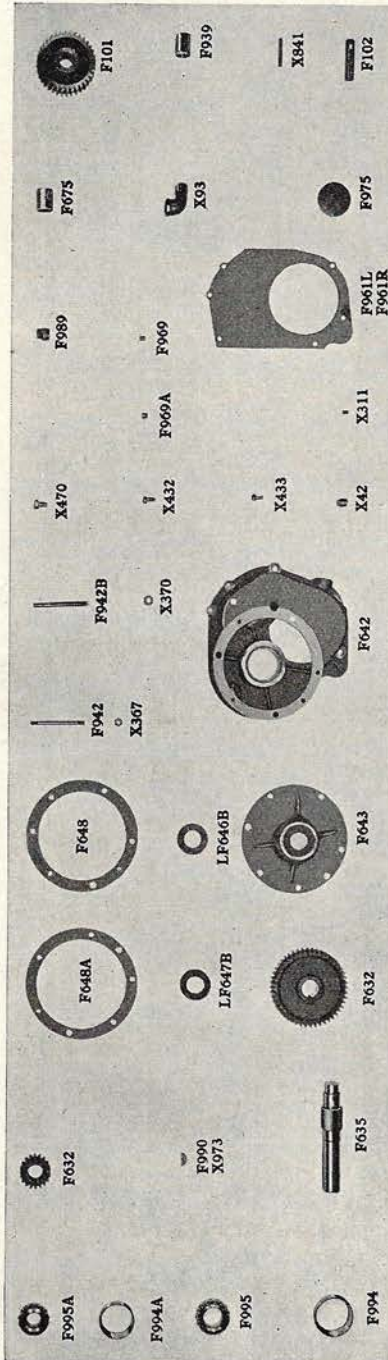


Fig. C431. RU and YU ENGINE



POWER TAKE-OFF PARTS

When Ordering Power Gears for UF Engine Refer to Instructions Following List of Parts on page 14.



Part No.	NAME OF PART	No. Used	UF and HU			RU			YU		
			HOPPER Symbol	RADIATOR Price	RADIATOR Symbol	HOPPER Price	RADIATOR Symbol	HOPPER Price	RADIATOR Symbol	HOPPER Price	
F101	32 T Idle gear with bushing 675	1	T3243	9.25	T3290	11.50	T3290	11.50	T3290	11.50	
F101	36 T Idler gear with bushing 675	1	UF102	.35	RU102	.45	RU102	.45	RU102	.45	
F102	Idler gear pin	1	UF102	.35	RU102	.45	RU102	.45	RU102	.45	
F632	16 T Power gear	1	UF632E	4.00	RU632E	5.00	RU632E	5.00	RU632E	5.00	
F632	18 T Power gear	1	UF632E	4.00	RU632E	5.00	RU632E	5.00	RU632E	5.00	
F632	21 T Power gear	1	UF632F	5.00	RU632F	6.25	RU632F	6.25	RU632F	6.25	
F632	24 T Power gear. See Fig. C 366 page 14	1	UF632M	5.00	RU632M	6.25	RU632M	6.25	RU632M	6.25	
F632	32 T Power gear	1	UF632G	8.00	RU632G	9.25	RU632G	9.25	RU632G	9.25	
F632	36 T Power gear	1	UF632H	9.75	RU632H	13.00	RU632H	13.00	RU632H	13.00	
F632	43 T Power gear	1	UF632J	12.50	RU632J	14.00	RU632J	14.00	RU632J	14.00	
F632	48 T Power gear	1	UF635D	5.50	RU635D	8.50	RU635D	8.50	RU635D	8.50	
F632	54 T Power gear	1	UF642B	14.00	RU642B	18.00	RU642B	18.00	RU642B	18.00	
F635	Power take off shaft for RU and YU includes part F1081	1	UF642A	14.00	RU642A	18.00	RU642A	18.00	RU642A	18.00	
F642	Gear reduction housing with parts 975 and 994A for drive 400AL or 400BL, 600AL or 600BL and 1200AL or 1200BL	1	UF642C	14.00	RU642C	18.00	RU642C	18.00	RU642C	18.00	
F642	Gear reduction housing with parts 975 and 994A for drive 600AR or 600BR	1	UF642D	14.00	RU642D	18.00	RU642D	18.00	RU642D	18.00	
F642	Gear reduction housing with parts 975 and 994A for drive 1200AR or 1200BR	1	UF643F	6.60	RU643C	10.00	RU643C	10.00	RU643C	10.00	
F642	Gear reduction housing with parts 975 and 994A for drive 1800AR or 1800BR	1	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	
F643	Cover for gear reduction housing with part 994	1	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	
LF646B	Felt washer	1	UF648	.05	UF648	.10	UF648	.10	UF648	.10	
LF647B	Felt washer retainer	1	UF648A	.10	UF648A	.15	UF648A	.15	UF648A	.15	
F647B	Thin gasket for gear reduction housing cover	1	UF675	.55	UF675	.60	UF675	.60	UF675	.60	
F648	Thick gasket for gear reduction housing cover	1	UF689E	5.20	UF689E	7.48	UF689E	7.48	UF689E	7.48	
F648A	Idler gear bushing	1	UF689F	5.69	UF689F	7.48	UF689F	7.48	UF689F	7.48	
F675	Inner Timken roller bearing on power take off shaft parts 994A and 995A, No. 319-313 used on UF and No. 418-414 on RU and YU	1	RF732	.12	RF732	.12	RF732	.12	RF732	.12	
*F689E	Outer Timken roller bearing on power take off shaft parts 994 and 995, No. 344-333 used on UF and No. 536-532A on RU and YU	1	RF854	.10	RF854	.10	RF854	.10	RF854	.10	
F732	Thin fibre washer for idler gear pin	1									
*F854	Thick fibre washer for idler gear pin	1									

*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



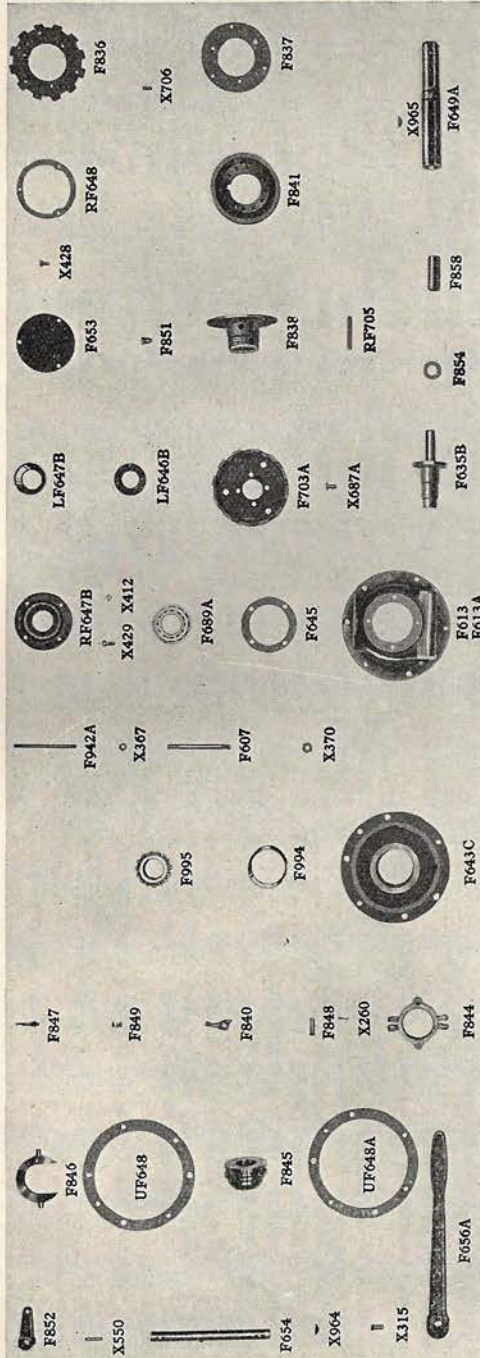
Part No.	NAME OF PART	No. Used	HOPPER		RADIATOR		HOPPER		RADIATOR		HOPPER		RADIATOR	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F939	Steel sleeve for idler gear pin	1	UF939	.65	UF939	.65	UF939	.65	UF939	.65	UF939	.65	UF939	.65
F942	Stud for gear reduction housing to cylinder $\frac{5}{8}$ " x $4\frac{3}{8}$ "	2	UF942	.15	UF942	.15	UF942	.15	UF942	.15	UF942	.15	UF942	.15
F942B	Stud for gear reduction housing to cylinder $\frac{5}{8}$ " x $4\frac{1}{2}$ " used on UF and $\frac{3}{4}$ " x $5\frac{1}{4}$ " RU and YU	2	UF942B	.20	UF942B	.20	UF942B	.20	UF942B	.20	UF942B	.20	UF942B	.20
F961L	Gasket for gear reduction housing drive "B" (See page 12)	1	UF961L	.15	UF961L	.15	UF961L	.15	UF961L	.15	UF961L	.15	UF961L	.15
F961R	Gasket for gear reduction housing drive "A" (See page 12)	1	UF961R	.15	UF961R	.15	UF961R	.15	UF961R	.15	UF961R	.15	UF961R	.15
F969	$\frac{3}{8}$ " plain plug for unused tapped holes	1	UF969	.10	UF969	.10	UF969	.10	UF969	.10	UF969	.10	UF969	.10
F969D	$\frac{1}{2}$ " Hex head brass plug for unused tapped holes	1	UF969D	.15	UF969D	.15	UF969D	.15	UF969D	.15	UF969D	.15	UF969D	.15
F969E	$\frac{1}{2}$ " Hex head brass plug for unused tapped holes	1	UF969E	.15	UF969E	.15	UF969E	.15	UF969E	.15	UF969E	.15	UF969E	.15
F969A	$\frac{3}{8}$ " Hex head brass plug for unused tapped holes	1	UF969A	.15	UF969A	.15	UF969A	.15	UF969A	.15	UF969A	.15	UF969A	.15
F975	2 $\frac{3}{4}$ " Diameter expansion plug for gear reduction housing	1	UF975	.15	UF975	.15	UF975	.15	UF975	.15	UF975	.15	UF975	.15
F989	$\frac{3}{4}$ " Pipe plug with vent, for gear reduction housing	1	UF989	.15	UF989	.15	UF989	.15	UF989	.15	UF989	.15	UF989	.15
F990	Special Woodruff key for 18 T power take off gear only	1	UF990	.08	UF990	.08	UF990	.08	UF990	.08	UF990	.08	UF990	.08
F994	Cup for outer roller bearing on power take off shaft, No. 333 used on UF, No. 532A for RU and YU	1	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11
F994A	Cup for inner roller bearing on power take off shaft, No. 313 used on UF, No. 414 for RU and YU	1	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95
F995	Cone and rollers for outer roller bearing on power take off shaft, No. 344 used on UF, No. 536 on RU and YU	1	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58
F995A	Cone and rollers for inner roller bearing on power take off, No. 319 used on UF, No. 418 on RU and YU	1	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25
*F1073	Outer retainer for felt washer	1	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20
*F1081	Spacer ring for power shaft	1	UF1081	.20	UF1081	.20	UF1081	.20	UF1081	.20	UF1081	.20	UF1081	.20
X42	$\frac{3}{8}$ " Pipe plug for gear reduction housing, 2 used on UF, 3 on RU and YU	1	X42	.04	X42	.04	X42	.04	X42	.04	X42	.04	X42	.04
X93	$\frac{3}{8}$ " Street ell for gear reduction housing	1	X93	.30	X93	.30	X93	.30	X93	.30	X93	.30	X93	.30
*X252	$\frac{1}{8}$ " Expansion plug for idler gear pin	1	X252	.04	X252	.04	X252	.04	X252	.04	X252	.04	X252	.04
X311	$\frac{3}{8}$ " x $\frac{1}{2}$ " Headless set screw for unused tapped holes	4	X311	.04	X311	.04	X311	.04	X311	.04	X311	.04	X311	.04
X367	$\frac{3}{8}$ " Hex nut for gear reduction housing stud	2	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02
X370	$\frac{1}{8}$ " Hex nut for gear reduction housing stud	2	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03
X432	Hex head cap screw for cover to gear reduction housing $\frac{5}{8}$ " x $\frac{5}{8}$ " used on UF, $\frac{3}{8}$ " x $\frac{3}{4}$ " on RU and YU	1	X432	.04	X432	.04	X432	.04	X432	.04	X432	.04	X432	.04
X433	$\frac{1}{8}$ " x $\frac{3}{4}$ " Hex head cap screw for gear reduction housing to cylinder	3	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04	X433	.04
X470	$\frac{1}{8}$ " x $\frac{3}{4}$ " Hex head cap screw for gear reduction housing to cylinder, 2 used on UF, 1 on RU and YU	1	X470	.04	X470	.04	X470	.04	X470	.04	X470	.04	X470	.04
*X484	$\frac{1}{8}$ " x 1" Hex head cap screw for gear reduction housing to cylinder	3	X484	.05	X484	.05	X484	.05	X484	.05	X484	.05	X484	.05
*X485	$\frac{1}{8}$ " x 1 $\frac{1}{4}$ " Hex head cap screw for gear reduction housing to cylinder	1	X485	.05	X485	.05	X485	.05	X485	.05	X485	.05	X485	.05
X841	$\frac{3}{8}$ " x $\frac{3}{8}$ " x 2 $\frac{1}{2}$ " Key for idler gear pin and sleeve	1	X841	.05	X841	.05	X841	.05	X841	.05	X841	.05	X841	.05
X973	No. C Woodruff key for power take off gears except 18T gears UF632E and UF632M	1	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05
X973	No. E Woodruff key for power take off gears	2	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05

POWER GEAR CASE ASSEMBLIES—DOES NOT INCLUDE POWER GEAR AND KEY ON CRANK SHAFT (See page 14)

NOTE.—Change of pressure angle or pitch of teeth on UF engine power gears, 14 degree gear angle used on engines numbered after 4999. Gears are interchangeable when replacing full set.
 NOTE.—Parts UF643F and RU643C is interchangeable with UF643D and RU643 when new style retainers are included.
 *PARTS NOT ILLUSTRATED.



CLUTCH PARTS



Part No.	NAME OF PART	No. Used	UF and HU		HOPPER		RU		RADIATOR		HOPPER		YU	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F607	Stud for clutch housing to gear reduction housing and cylinder, 3/8" x 6", used on UF, 5/8" x 5 3/4" on RU and YU.....	2	LF607	.20	UF613	12.00	RU942A	.20	RU942A	.20	RU942A	.20	RU942A	.20
F613	Clutch housing for drive A, for clutch shifter lever at the bottom	1	UF613	12.00	UF613	12.00	.....	.....	.....	.....	.....	.....	.....	.....
*F613B	—(Obsolete) used on engine numbered previous to UF7101... 1	1	UF613B	12.00	UF613B	12.00	.....	.....	.....	.....	.....	.....	.....	.....
F613A	Clutch housing for drive A, for clutch shifter lever at the top, used on UF engines numbered after UF7100.....	1	UF613A	12.00	UF613A	12.00	.....	.....	.....	.....	.....	.....	.....	.....
*F613C	Clutch housing for drive B, for clutch shifter lever at the bottom	1	UF613C	12.00	UF613C	12.00	.....	.....	.....	.....	.....	.....	.....	.....
F635B	—(Obsolete) used on engines numbered previous to UF7101... 1	1	UF613C	12.00	UF613C	12.00	RU613	15.00	RU613	15.00	RU613	15.00	RU613	15.00
F643C	Power take off shaft.....	1	UF635B	10.00	UF635B	10.00	RU635A	12.50	RU635A	12.50	RU635A	12.50	RU635A	12.50
F643C	Cover for gear reduction housing with part 994, drive A.....	1	UF643C	6.60	UF643C	6.60	RU643A	7.25	RU643A	7.25	RU643A	7.25	RU643A	7.25
F645	Cover for gear reduction housing with part 994, drive B.....	1	UF643E	6.60	UF643E	6.60	RU643A	7.25	RU643A	7.25	RU643A	7.25	RU643A	7.25
LF646B	Gasket for outer retainer.....	1	RF645	.10	RF645	.10	RF645	.10	RF645	.10	RF645	.10	RF645	.10
LF647B	Felt washer.....	1	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20
RF647B	Retainer for felt washer.....	1	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20
*UF647	Cast iron outer retainer—(Obsolete)—See note.....	1	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50
RF648	Cast iron outer retainer.....	1	UF647	2.50	UF647	2.50	UF647	2.50	UF647	2.50	UF647	2.50	UF647	2.50
UF648A	Gasket for clutch housing cover.....	1	RF648	.15	RF648	.15	RF648	.15	RF648	.15	RF648	.15	RF648	.15
F649A	Thin gasket for gear reduction housing cover.....	1	UF648	.05	UF648	.05	UF648	.10	UF648	.10	UF648	.10	UF648	.10
F653	Thick gasket for gear reduction housing cover.....	1	UF648A	.10	UF648A	.10	UF648A	.15	UF648A	.15	UF648A	.15	UF648A	.15
F654	Extension shaft for clutch.....	1	UF649A	7.50	UF649A	7.50	RU649	8.50	RU649	8.50	RU649	8.50	RU649	8.50
F656A	Clutch housing cover with oiler.....	1	T3376	.75	T3376	.75	T3376	.75	T3376	.75	T3376	.75	T3376	.75
F689A	Clutch shifter shaft.....	1	RF654	.45	RF654	.45	RF654	.45	RF654	.45	RF654	.45	RF654	.45
*F689E	Steel clutch shifter lever—See notes.....	1	T3527	3.00	T3527	3.00	T3527	3.00	T3527	3.00	T3527	3.00	T3527	3.00
	N. D. 1208 Ball bearing (interchangeable with 208A roller bearing).....	1	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40
	Inner Timken roller bearing on power take off shaft parts 994 and 995A, No. 319-313 used on UF and No. 418-414 on RU and YU.....	1	UF689E	5.20	UF689E	5.20	UF689C	7.48	UF689C	7.48	UF689C	7.48	UF689C	7.48

Continued on Page 16

*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used	UF and HU		RADIATOR		HOPPER		RU		RADIATOR		HOPPER		YU	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
*F689F	Outer Timken roller bearing on power take off shaft; parts 994 and 995, No. 344-333.	1	UF689F	5.69	UF689F	5.69	UF689F	5.69	UF689F	5.69	UF689F	5.69	UF689F	5.69	UF689F	5.69
F703A	Clutch driver.	1	UF703A	1.25	UF703A	1.25	UF703A	1.25	UF703A	1.25	UF703A	1.25	UF703A	1.25	UF703A	1.25
RF705	3/8" x 3/8" x 2 1/4" Straight key for clutch hub.	1	RF705	.20	RF705	.20	RF705	.20	RF705	.20	RF705	.20	RF705	.20	RF705	.20
F836	Clutch disc—steel, 2 used on UF, 4 on RU and YU.	1	RF836	1.15	RF836	1.15	RF836	1.15	RF836	1.15	RF836	1.15	RF836	1.15	RF836	1.15
*F836A	Clutch disc assembled with parts 836, 837 and X706, 1 used on UF, 2 on RU and YU.	1	105RF	4.50	105RF	4.50	105RU	4.50	105RU	4.50	105RU	4.50	105RU	4.50	105RU	4.50
F837	Facing for clutch disc, 2 used on UF, 4 on RU and YU.	1	RF837	1.00	RF837	1.00	RF837	1.00	RF837	1.00	RF837	1.00	RF837	1.00	RF837	1.00
F838	Clutch hub.	1	RF838	6.00	RF838	6.00	RF838	6.00	RF838	6.00	RF838	6.00	RF838	6.00	RF838	6.00
F840	Clutch finger.	2	RF840	.35	RF840	.35	RF840	.35	RF840	.35	RF840	.35	RF840	.35	RF840	.35
F841	Clutch pressure plate.	1	RF841	4.25	RF841	4.25	RF841	4.25	RF841	4.25	RF841	4.25	RF841	4.25	RF841	4.25
F844	Adjusting yoke.	1	RF844	4.00	RF844	4.00	RF844	4.00	RF844	4.00	RF844	4.00	RF844	4.00	RF844	4.00
*F844A	Adjusting yoke assembled with parts 840, 844, 847, 848, 849, and X260.	1	T2450	5.75	T2450	5.75	T2450	5.75	T2450	5.75	T2450	5.75	T2450	5.75	T2450	5.75
F845	Clutch cone.	1	UF845	6.00	UF845	6.00	UF845	6.00	UF845	6.00	UF845	6.00	UF845	6.00	UF845	6.00
F846	Shifter yoke.	1	RF846A	1.50	RF846A	1.50	RF846A	1.50	RF846A	1.50	RF846A	1.50	RF846A	1.50	RF846A	1.50
F847	Adjusting yoke lock pin.	1	RF847	.30	RF847	.30	RF847	.30	RF847	.30	RF847	.30	RF847	.30	RF847	.30
F848	Clutch finger pin.	2	RF848	.20	RF848	.20	RF848	.20	RF848	.20	RF848	.20	RF848	.20	RF848	.20
F849	Spring for adjusting yoke lock pin.	1	RF849	.08	RF849	.08	RF849	.08	RF849	.08	RF849	.08	RF849	.08	RF849	.08
F851	Special set screw for clutch hub.	1	RF851	.25	RF851	.25	RF851	.25	RF851	.25	RF851	.25	RF851	.25	RF851	.25
F852	Yoke lever.	2	RF852	1.20	RF852	1.20	RF852	1.20	RF852	1.20	RF852	1.20	RF852	1.20	RF852	1.20
F854	Fiber thrust washer.	2	RF854	.10	RF854	.10	RF854	.10	RF854	.10	RF854	.10	RF854	.10	RF854	.10
F858	Brass bushing for extension shaft (interchangeable with wood bushing, used on engines numbered after 6925).	1	UF858A	1.75	UF858A	1.75	UF858A	1.75	UF858A	1.75	UF858A	1.75	UF858A	1.75	UF858A	1.75
F942A	3/8" x 4 1/2" Stud for clutch housing to gear reduction housing and cylinder.	2	UF942A	.15	UF942A	.15	UF942A	.15	UF942A	.15	UF942A	.15	UF942A	.15	UF942A	.15
F994	No. 333 Cup for outer roller bearing on power take off shaft.	1	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11	UF994	2.11
*F994A	Cup for inner roller bearing on power take off shaft, No. 313 used on UF and No. 414 on RU and YU.	1	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95	UF994A	1.95
F995	No. 344 Cone and rollers for outer roller bearing on power take off shaft.	1	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58	UF995	3.58
*F995A	Cone and rollers for inner roller bearing on power take off shaft, No. 319 used on UF, No. 418 on RU and YU.	1	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25	UF995A	3.25
*F1017	Center clutch disc.	1	UF1017	.80	UF1017	.80	UF1017	.80	UF1017	.80	UF1017	.80	UF1017	.80	UF1017	.80
*F1041	Oil trough and pipe for clutch.	1	UF1041	1.00	UF1041	1.00	UF1041	1.00	UF1041	1.00	UF1041	1.00	UF1041	1.00	UF1041	1.00
*F1053	Fiber washer for extension shaft, 1 used on UF, HU; 2 RU and YU.	1	UF1053	.10	UF1053	.10	UF1053	.10	UF1053	.10	UF1053	.10	UF1053	.10	UF1053	.10
*F1073	Outer retainer for felt washer.	2	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20	UF1073	.20
X260	3/8" x 3/8" Cotter pin for clutch finger pin.	2	X260	.01	X260	.01	X260	.01	X260	.01	X260	.01	X260	.01	X260	.01
X315	3/8" x 3/8" Set screw for clutch shifter lever.	1	X315	.04	X315	.04	X315	.04	X315	.04	X315	.04	X315	.04	X315	.04
X367	3/8" Hex nut for gear reduction housing stud.	2	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02	X367	.02
*X369	3/8" Hex nut for gear reduction housing stud.	2	X369	.03	X369	.03	X369	.03	X369	.03	X369	.03	X369	.03	X369	.03
X370	1/2" Hex nut for gear reduction housing stud.	2	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03
X412	1/2" Lock washer.	7	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01
X428	1/4" x 1/2" Hex head cap screw for clutch housing cover.	3	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03
X429	1/4" x 3/8" Hex head cap screw for cast iron outer retainer.	4	X429	.04	X429	.04	X429	.04	X429	.04	X429	.04	X429	.04	X429	.04
*X436	3/8" x 1 1/4" Hex head cap screw for clutch housing to gear reduction housing.	3	X436	.04	X436	.04	X436	.04	X436	.04	X436	.04	X436	.04	X436	.04
*X450	3/8" x 1 1/4" Hex head cap screw for clutch housing to gear reduction housing.	6	X450	.04	X450	.04	X450	.04	X450	.04	X450	.04	X450	.04	X450	.04
X550	No. 5 x 1 1/2" Taper pin for clutch shifter to yoke lever.	2	X550	.04	X550	.04	X550	.04	X550	.04	X550	.04	X550	.04	X550	.04
*559	5/16" x 1 1/2" drive pin.	2	X559	.06	X559	.06	X559	.06	X559	.06	X559	.06	X559	.06	X559	.06
X687A	5/16" x 3/4" Countersunk head rivet for clutch driver to power take off shaft.	4	X687A	.02	X687A	.02	X687A	.02	X687A	.02	X687A	.02	X687A	.02	X687A	.02

*PARTS NOT ILLUSTRATED.

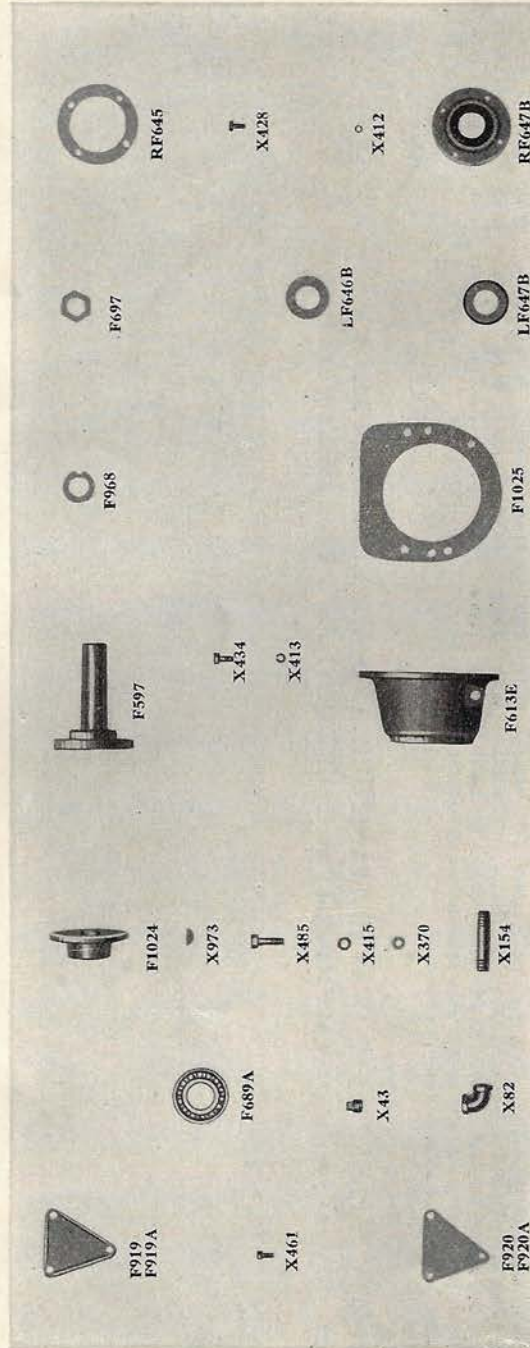
Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used	UF and HU		RADIATOR		HOPPER		RU		RADIATOR		HOPPER		YU	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F911A	1 1/8" Inside diameter by 6" long air cleaner tube, hopper cooled with housing	1	UF911A	.30												
F911A	1 1/8" Inside diameter by 6 1/2" long air cleaner tube, radiator cooled	1			UF911B	.30										
F911A	1 1/8" Inside diameter by 11" long air cleaner tube, hopper cooled less housing	1	UE911C	.50												
F911A	1 1/8" Inside diameter by 9 1/2" long air cleaner tube for radiator and hopper cooled, with and without housing	1					RU911	.45	RU911	.45	RU911	.45	RU911	.45	RU911	.45
X204	10-24 x 1/2" Round head machine screw for clamp	1	X204	.01	X204	.02	X204	.01	X204	.01	X204	.01	X204	.01	X204	.01
X301	1/4" x 1/2" Set screw for elbow	1	X301	.02	X301	.01	X301	.01	X301	.01	X301	.01	X301	.01	X301	.01
X364	10-24 Hex nut	1	X364	.01	X364	.01	X364	.01	X364	.01	X364	.01	X364	.01	X364	.01
X369	3/8" Hex nut for water inlet manifold and cover plate stud	2					X369	.03	X369	.03	X369	.03	X369	.03	X369	.03
X370	1/8" Hex nut for water outlet manifold stud	1							X370	.03	X370	.03	X370	.03	X370	.03
X402	1/8" Plain washer	1							X402	.01	X402	.01	X402	.01	X402	.01
X411	1/8" Lock washer	1	X411	.01	X411	.01	X411	.01	X411	.01	X411	.01	X411	.01	X411	.01
X430	1/2" x 3/8" Hex head cap screw for air cleaner, hopper cooled	1					X430	.03	X430	.03	X430	.03	X430	.03	X430	.03
X1156	3 1/2" A. C. air cleaner	1	X1156	2.00	X1156	2.00	X1156	2.00	X1156	2.00	X1156	2.00	X1156	2.00	X1156	2.00

Note—RU620A Steel cover plate is interchangeable with RU260 cast iron plate when YU860A stud is furnished.

CRANK SHAFT DRIVE PARTS



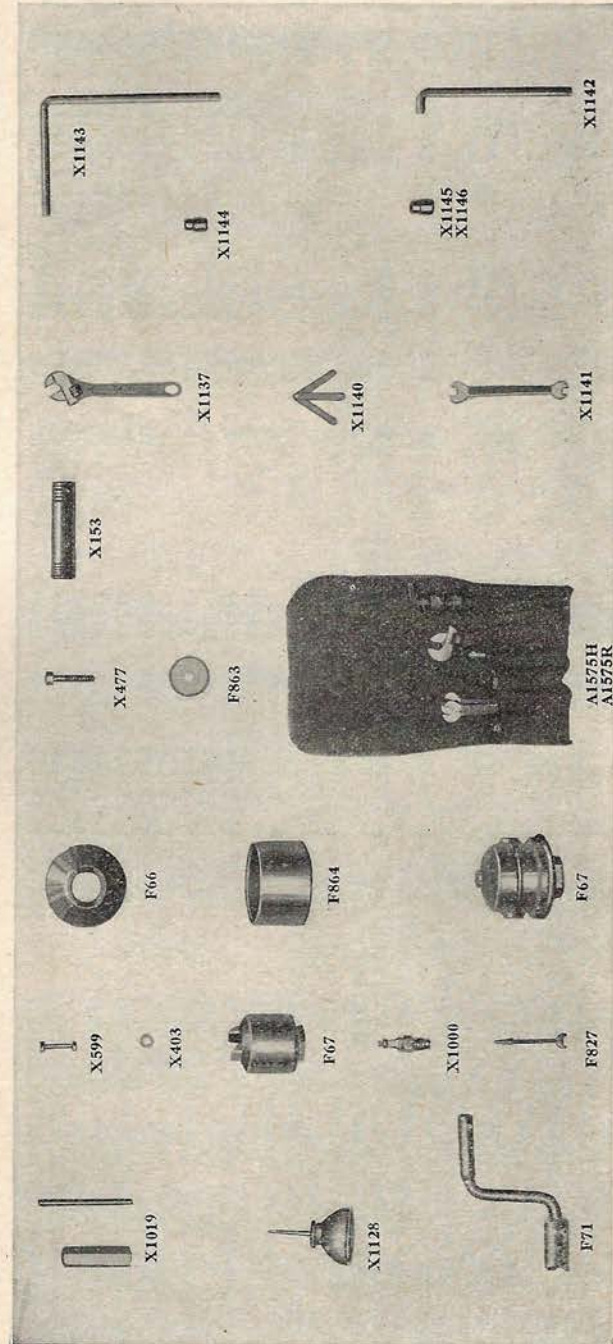
F597	Extension shaft	1	RU597	14.00	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50
F613E	Outboard bearing, crank shaft drive	1	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50	UF613E	8.50
RF645	Gasket for outer retainer	1	RF645	.10	RF645	.10	RF645	.10	RF645	.10	RF645	.10	RF645	.10	RF645	.10
LF646B	Felt washer	1	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20	LF646B	.20
LF647B	Retainer for felt washer	1	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20	LF647B	.20
RF647B	Cast iron outer retainer	1	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50	RF647B	2.50

*PARTS NOT ILLUSTRATED.



Part No.	NAME OF PART	No. Used	UF and HU		HOPPER		RADIATOR		RU		HOPPER		RADIATOR		YU	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F689A	N. D. 1208 Ball bearing.....	1	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40	RF689A	5.40
F697	Crank shaft nut.....	1	UF697	.35	UF697	.35	UF697	.35	UF697	.35	UF697	.35	UF697	.35	UF697	.35
F919	Cover plate for cam shaft.....	1	UF919	.40	UF919	.40	UF919	.40	UF919	.40	UF919	.40	UF919	.40	UF919	.40
F919A	Cover plate for cylinder, for crank shaft opening.....	1	UF1063	.75	UF1063	.75	UF1063	.75	UF1063	.75	UF1063	.75	UF1063	.75	UF1063	.75
F920	Gasket for cover plate for cam shaft.....	1	UF920	.15	UF920	.15	UF920	.15	UF920	.15	UF920	.15	UF920	.15	UF920	.15
F920A	Gasket for cover plate for cylinder.....	1	UF1068	.15	UF1068	.15	UF1068	.15	UF1068	.15	UF1068	.15	UF1068	.15	UF1068	.15
F968	Crank shaft lock washer.....	1	UF968	.10	UF968	.10	UF968	.10	UF968	.10	UF968	.10	UF968	.10	UF968	.10
F1024	Driving flange.....	1	UF1024	5.75	UF1024	5.75	UF1024	5.75	UF1024	5.75	UF1024	5.75	UF1024	5.75	UF1024	5.75
F1025	Gasket for outboard bearing.....	1	UF1025	.15	UF1025	.15	UF1025	.15	UF1025	.15	UF1025	.15	UF1025	.15	UF1025	.15
X43	3/8" Pipe plug.....	1	X43	.10	X43	.10	X43	.10	X43	.10	X43	.10	X43	.10	X43	.10
X82	1/2" Elbow.....	1	X82	.15	X82	.15	X82	.15	X82	.15	X82	.15	X82	.15	X82	.15
X154	3/8" x 3 1/2" Pipe nipple.....	1	X154	.07	X154	.07	X154	.07	X154	.07	X154	.07	X154	.07	X154	.07
X370	1/8" Hex nut.....	3	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03	X370	.03
X412	1/4" Lock washer.....	4	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01	X412	.01
X413	Lock washer, 1/8" used on UF and 1/4" on RU and YU.....	4	X413	.01	X413	.01	X413	.01	X413	.01	X413	.01	X413	.01	X413	.01
X415	1/8" Lock washer.....	3	X415	.02	X415	.02	X415	.02	X415	.02	X415	.02	X415	.02	X415	.02
X428	3/4" x 1/2" Hex head cap screw for cast iron outer retainer.....	4	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03	X428	.03
X434	Hex head cap screw for outboard bearing, 5/8" x 1/2" used on UF, 1/2" x 1 1/4" on RU and YU.....	4	X434	.04	X434	.04	X434	.04	X434	.04	X434	.04	X434	.04	X434	.04
X461	5/8" x 1/2" Hex head cap screw for cover plate for cam shaft.....	3	X461	.04	X461	.04	X461	.04	X461	.04	X461	.04	X461	.04	X461	.04
X485	1/8" x 1 1/4" Hex head cap screw for extension shaft.....	3	X485	.04	X485	.04	X485	.04	X485	.04	X485	.04	X485	.04	X485	.04
X973	Woodruff key for driving flange, No. C used on UF, and No. E on RU and YU.....	1	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05	X973	.05

ACCESSORIES



F66	Muffler end.....	1	AF66	.20	AF66	.20	AF66	.20	AF66	.20	AF66	.20	AF66	.20	AF66	.20
F67	Muffler body, used with cast iron cap F863.....	1	UF67	.95	UF67	.95	UF67	.95	UF67	.95	UF67	.95	UF67	.95	UF67	.95

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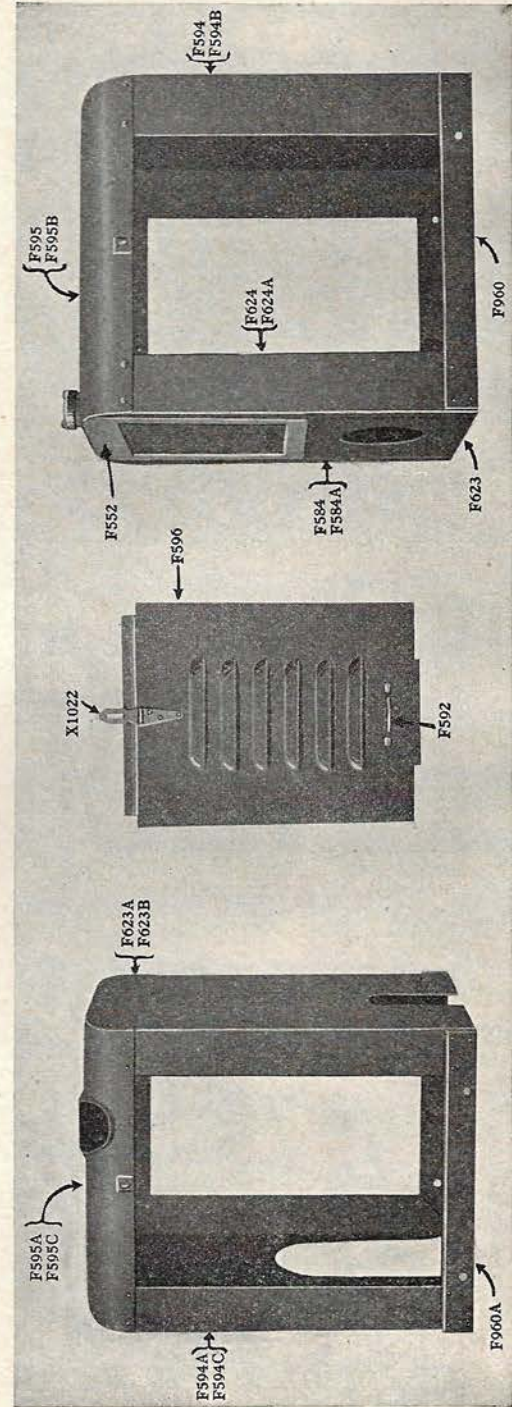
Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
F67	Muffler body, used with press steel cap F863A.....	1	UF67A	1.00	UF67A	1.00	UF67A	1.00
*F67A	Muffler assembled with parts 66, 67, 863, 864 and X477.....	1	T3301	1.25	T3301	1.25	T3301	1.25
F71	Starting crank complete.....	1	T3244	2.00	T3244	2.00	T3244	2.00
F827	Valve grinding tool.....	1	AF827	.25	AF827	.25	AF827	.25
F863	Muffler cap, cast iron, (Obsolete) on UF only.....	1	AF863A	.20	AF863A	.20	AF863A	.20
*F863B	Muffler cap, press steel.....	1	UF863	.20	UF863	.20	UF863	.20
F864	Muffler outer casing.....	1	AF864	1.00	AF864	1.00	AF864	1.00
*A1575	Tool kit container.....	1	A1575	.45	A1575	.45	A1575	.45
A1575H	Tool kit complete for hopper cooled engines with parts A1575 and X1137, X1140, X1141, X1142, X1143, X1144, X1145 and X1146.....	1	T3324	4.40	T3324	4.40	T3324	4.40
A1575R	Tool kit complete for radiator cooled engine, with parts A1575, X1019, X1137, X1140, X1141, X1142, X1144 and X1145.....	1	T3323	3.85	T3323	3.85	T3323	3.85
X153	Exhaust pipe nipple—1 1/4" x 6", used on UF, and 1 1/2" x 8 1/2" on RU and YU.....	1	X153	.25	X153	.25	X153	.25
X403	1/2" Plain washer for muffler.....	1	X403	.01	X403	.01	X403	.01
X599	3/8" x 2 1/4" Hex head cap screw for muffler body and cap.....	1	X599	.04	X599	.04	X599	.04
X1000	3/8" x 2" Machine bolt and nut for muffler.....	1	X1000	.75	X1000	.75	X1000	.75
X1019	Spark plug.....	2	X1019	.55	X1019	.55	X1019	.55
X1128	Oil can.....	1	X1128	.25	X1128	.25	X1128	.25
X1137	8" Adjustable wrench.....	1	X1137	1.00	X1137	1.00	X1137	1.00
X1140	Set of feeler gauges, .010, .012 and .022.....	1	X1140	.30	X1140	.30	X1140	.30
X1141	Valve tappet wrenches.....	2	X1141	.45	X1141	.45	X1141	.45
X1142	Socket wrench handle 9" long, 3/8" inside bend.....	1	X1142	.25	X1142	.25	X1142	.25
X1143	Socket wrench handle, 6 1/2" long, 10" inside bend.....	1	X1143	.35	X1143	.35	X1143	.35
X1144	3/8" Socket head.....	1	X1144	.20	X1144	.20	X1144	.20
X1145	1/2" Socket head.....	1	X1145	.20	X1145	.20	X1145	.20
*X1146	3/8" Socket head.....	1	X1146	.20	X1146	.20	X1146	.20

*PARTS NOT ILLUSTRATED.

HOUSING, FUEL TANK AND RADIATOR PARTS



Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
F158	Fuel feed pipe for drive B	1	UF158	.12	RU158	.15	YU158	.15
F158A	Fuel feed pipe for drive A	1	UF158A	.15	RU158A	.15	YU158A	.15
F491	Lower radiator hose, 1 1/4" x 7 1/2" used on UF, 1 1/2" x 9 1/4" on RU and YU	1	UF491	.25	RU491	.40	YU491	.40
F492	Upper radiator hose, 1 1/4" x 4 1/2" used on UF, 1 1/2" x 6 1/2" on RU and YU	1	UF492	.15	RU492	.30	YU492	.30
F552	Radiator with cap, part 564	1	UF552	21.50	RU552	30.00	YU552	30.00
F564	Radiator filler cap for Modine radiator	1	UF564	.60	RU564A	.60	YU564A	.60
F584	Radiator support—left hand for drive A	1	UF584	1.30	RU584	1.60	YU584	1.60
F584A	Radiator support—left hand for drive B	1	UF584A	1.30	RU584A	1.60	YU584A	1.60
*F591	Angle for housing, 2 used on hopper cooled and 1 on radiator cooled	1	UF591	.15	RU591B	.20	YU591B	.20
F592	Handle for housing door	2	AF592A	.10	AF592A	.10	AF592A	.10
F594	Rear sheet for housing—drive A	1	UF594	3.00	RU594	3.20	YU594	3.20
F594A	Rear sheet for housing—drive A	1	UF594A	3.00	RU594A	3.20	YU594A	3.20
F594B	Rear sheet for housing—drive B	1	UF594B	3.00	RU594B	3.20	YU594B	3.20
F594C	Rear sheet for housing—drive B	1	UF594C	3.00	RU594C	3.20	YU594C	3.20
F595	Top sheet—drive A	1	UF595	3.25	RU595	3.50	YU595	3.50
F595A	Top sheet—drive A	1	UF595A	3.25	RU595A	3.50	YU595A	3.50
F595B	Top sheet—drive B	1	UF595B	3.25	RU595B	3.50	YU595B	3.50
F595C	Top sheet—drive B	1	UF595C	3.25	RU595C	3.50	YU595C	3.50
F596	Housing door with parts 592 and X1022	2	UF596B	2.50	UF596B	2.50	UF596B	2.50
*F596A	Short housing door with parts 592 and X1022, 1 used only for UF engine with diaphragm pump	1	UF596A	2.25	UF596A	2.25	UF596A	2.25
F623	Front sheet, drive A and B	1	UF623	2.75	UF623	.80	UF623	.80
F623A	Front sheet, drive A	1	UF623A	2.75	UF623A	3.25	UF623A	3.25
F623B	Front sheet, drive B	1	UF623B	2.75	UF623B	3.25	UF623B	3.25
F624	Radiator support—right hand for drive A	1	UF624	1.30	UF624	1.60	UF624	1.60
F624A	Radiator support—right hand for drive B	1	UF624A	1.30	UF624A	1.60	UF624A	1.60
F687	Fuel tank with part 700	1	UF687	5.50	UF687	6.00	UF687	6.00
F700	Filler cap for fuel tank	1	UF700	.25	UF700	.25	UF700	.25
*F758	Panel for housing door	2	UF758	1.10	UF758	.60	UF758	.60
*F758A	Panel for housing door, 1 used only on UF engine with diaphragm pump	1	UF758	1.10	UF758	1.10	UF758	1.10
F807	Pad for fuel tank, 1/2" x 1" x 10" for UF hopper cooled, 1/2" x 1" x 11 1/2" for RU and YU hopper cooled, 1/2" x 1" x 16" for UF, RU and YU radiator cooled	2	UF807	.07	UF807A	.10	UF807	.08
F882	Fuel tank strap	2	UF882B	.25	UF882A	.50	UF882	.30
F882A	Fuel tank strap	2	UF882A	.50	UF882A	.50	UF882A	.50
F898	Cover for hopper	1	RF898	.60	RF898	.60	RF898	.60
*F898A	Cover for hopper assembled with parts 903, 904, 946 and 1028	1	T3223	1.50	T3223	1.50	T3223	1.50
F946	Strap for cover	1	RF946	.25	RF946	.25	RF946	.25
F960	Bar for housing door or panel	2	UF960A	.70	UF960A	.80	UF960A	.80
F960A	Bar for housing door or panel	2	UF960A	.70	UF960A	.80	UF960A	.80
F962	The rod for housing	2	UF962	.60	UF962	.65	UF962	.65
F963	Outer spacer for tie rod, short 1/2" pipe, 3 1/2" long UF, 3 1/2" long RU and YU	2	UF963	.20	UF963	.20	UF963	.20
F964	Outer spacer for tie rod, long 1/2" pipe, 4 1/2" long UF, 4 3/4" long RU and YU	2	UF964	.25	UF964	.25	UF964	.25
F970	Bracket for fuel tank	2	UF970	.20	UF970	.20	UF970	.20
F991	Pipe nipple for radiator hose, 1" x 1 1/2" used on UF, 1 1/4" x 3" on RU and YU	1	UF991	.15	UF991	.30	UF991	.30
F992	Center spacer for the rod 1/2" pipe, 8 1/2" long UF, 10" long RU and YU	2	UF992	.35	UF992	.40	UF992	.40
*F1019	Space for fuel tank bracket	2	X8	.45	X8	.45	X8	.45
X8	1/4" Water drain cock	1	X8	.45	X8	.45	X8	.45
X17	1" 45° Street ell for water outlet	1	X17	.20	X17	.20	X17	.20
X22	1" 90° Street ell for water inlet	1	X22	.20	X22	.20	X22	.20

Continued on Page 22

*PARTS NOT ILLUSTRATED.

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



HAND HOLE COVER, OIL GAUGE AND OIL PUMP PARTS

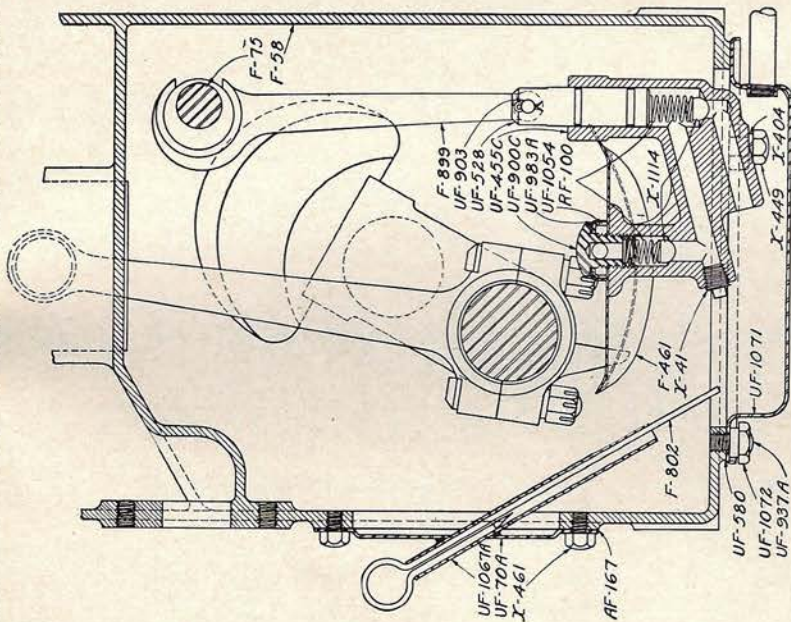


FIG. B879

Part No.	NAME OF PART	No. Used	HOPPER		UF and HU RADIATOR		HOPPER		RU RADIATOR		HOPPER		YU RADIATOR	
			Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price	Symbol	Price
F70A	Hand hole cover and tube assembly, use on engines numbered after UF, HU7711, RU and YU7678.	1	T3364	1.00	T3364	1.00	T3364	1.00	T3364	1.00	T3364	1.00	T3364	1.00
F100	Oil pump spring.	2	RF100	.09	RF100	.09	RF100	.09	RF100	.09	RF100	.09	RF100	.09
F167	Gasket for hand hole cover.	1	AF167A	.12	AF167A	.12	AF167A	.12	AF167A	.12	AF167A	.12	AF167A	.12
F455D	Oil pump assembled complete with parts 100, 455, 461, 528, 900 983, 1054, X39 and X1114, used on engines after UF-HU 7979, RU and YU7952.	1	T3370	6.60	T3370	6.60	T3371	6.75	T3371	6.75	T3371	6.75	T3371	6.75
F455C	Oil pump body used on engines numbered after UF, HU 7979, RU and YU 7952.	1	UF455C	4.00	UF455C	4.00	UF455C	4.00	UF455C	4.00	UF455C	4.00	UF455C	4.00
F461B	Oil trough—Used on engines with 1 1/2" long oil dip on connecting rod, used on engines numbered after UF and HU 7015, RU and YU 6987.	1	UF461B	.50	UF461B	.50	UF461C	.65	UF461C	.65	UF461C	.65	UF461C	.65
F528	Oil pump plunger.	1	UF528A	1.00	UF528A	1.00	UF528A	1.00	UF528A	1.00	UF528A	1.00	UF528A	1.00
F580	Gasket for oil pump body to cylinder.	1	UF580	.10	UF580	.10	UF580	.10	UF580	.10	UF580	.10	UF580	.10
F802A	Bayonet oil gauge.	1	UF802C	.15	UF802C	.15	UF802A	.20	UF802A	.20	UF802A	.20	UF802A	.20
F899	Eccentric rod for oil pump.	1	UF899A	1.00	UF899A	1.00	UF899	1.65	UF899	1.65	UF899	1.65	UF899	1.65
F900C	Discharge fitting for oil pump.	1	UF900C	.35	UF900C	.35	UF900C	.35	UF900C	.35	UF900C	.35	UF900C	.35
F903	Pump plunger pin.	1	UF903	.15	UF903	.15	UF903	.15	UF903	.15	UF903	.15	UF903	.15
F937	3/8" x 1 1/2" stud for oil pump to cylinder, used on engines numbered after 5844.	6	UF937	.10	UF937	.10	UF937	.10	UF937	.10	UF937	.10	UF937	.10

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



Part No.	NAME OF PART	No. Used	UF and HU		RU		YU	
			HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price	HOPPER Symbol	RADIATOR Price
F983	Outer cup for oil discharge fitting.....	1	UF983A	.15	UF983A	.15	UF983A	.15
F1054	Inner cup for oil discharge fitting.....	1	UF1054	.10	UF1054	.10	UF1054	.10
F1071	Oil pan.....	1	UF1071	1.50	UF1071	1.50	UF1071	1.50
F1072	Nut for oil pan stud.....	6	UF1072	.10	UF1072	.10	UF1072	.10
X39	1/2" Brass pipe plug for oil pump.....	1	X39	.04	X39	.04	X39	.04
X267	1/8" x 1/2" Cotter pin for pump plunger pin.....	1	X267	.01	X267	.01	X267	.01
X404	3/8" Lock washer.....	2	X404	.02	X404	.02	X404	.02
X449	3/8" x 1" Hex head cap screw.....	2	X449	.04	X449	.04	X449	.04
X461	1/8" x 1/2" Hex head cap screw for hand hole cover.....	8	X461	.08	X461	.08	X461	.08
X1114	1/2" Steel ball for suction and discharge.....	2	X1114	.06	X1114	.06	X1114	.06

Always Give Model and Serial Number of Engine and Outfit When Ordering Repairs.



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Instructions for Ordering Parts

1. Always give serial number of engine and outfit as it appears on the brass name plates.
2. Always specify type and model of both engine and outfit.
3. Always give symbol and name of each part.
4. All prices are F.O.B. Lansing, Michigan.
5. State whether shipments are to be forwarded parcel post, express, or freight.
6. Orders for parts should be written separately from correspondence pertaining to other matters. Be sure to write your name and complete address plainly.
7. Do not order by sets. State exactly how many pieces are required.
8. **This Parts List supersedes all others of previous date. Prices are subject to change without notice.**
9. Returned parts must be tagged showing shipper's name and address, and be accompanied by claim letter giving full details together with serial number of engine and outfit. In case of declined claims the inspected parts are subject to the shipper's orders for disposition and we cannot be held responsible for such parts for more than 30 days.
10. Claims for defective parts not of our manufacture must be made to their respective makers insofar as they are fully warranted by their manufacturers.
11. All claims must be made within 3 days after receipt of goods.

STANDARD WARRANTY

Every part of our manufacture is guaranteed against defect in either material or workmanship for a period of one year. We agree to replace free of charge any part of our manufacture sold hereunder providing the part or parts claimed defective are returned to the factory, transportation charges prepaid, within one year from original date of purchase of the engine or outfit, and upon receipt and examination we find the condition of the part or parts substantiates customer's claim of defect. When defective parts are replaced free of charge it is agreed that the manufacturer is in no way liable for expenditures covering labor or otherwise that may be incurred in the replacement of the defective parts. Claimant agrees to furnish the manufacturer with such evidence or information that may be required from time to time when handling claims.

NOVO ENGINE CO.
Clarence E. Bement, Vice-Pres. & Gen. Mgr.

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