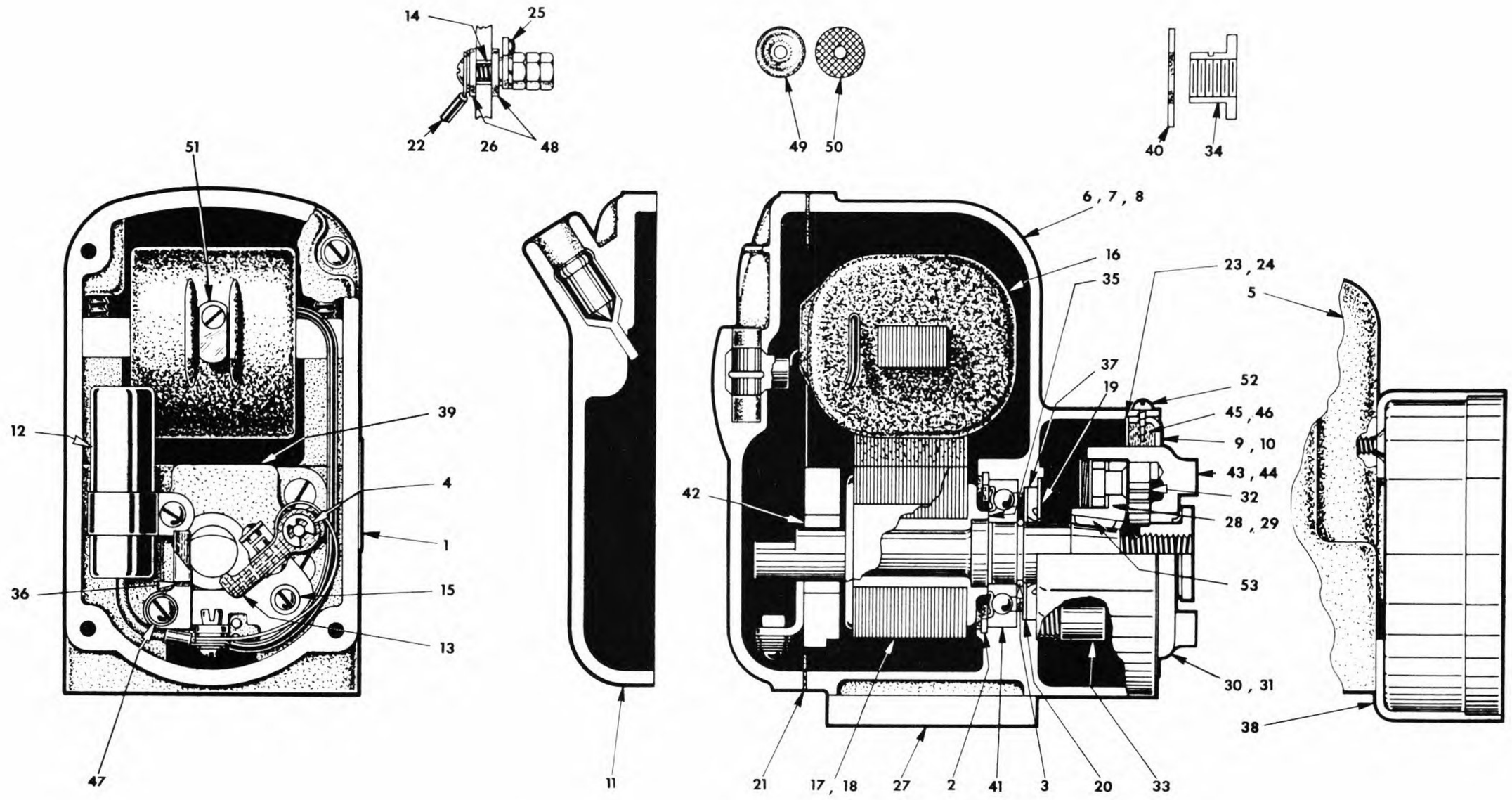
FAIRBANKS MORSE
A MAJOR INDUSTRIAL COMPONENT OF
FAIRBANKS WHITNEY

MAGNETO PARTS DATA

MAGNETO and ENGINE ACCESSORIES DIVISION • BELOIT, WISCONSIN



RENEWAL PARTS DATA
TYPES FM-1A21S, FM-X1A29, FM-X1A29A, FM-X1A33, FM-X1A36, FM-X1A37 MAGNETOS

Illustration shown is of a CW rotation magneto. Parts for a CCW rotation magneto are similar but in a different position.

Data	Engine Manufacturer and Specification Number	Type Magnetos					
		FM-X1A21S	FM-X1A29	FM-X1A29A	FM-X1A33	FM-X1A36	FM-X1A37
Rotation		CW	CW	CW	CW	CW	CW
Imp. Cplg.		-	UA	UC	UA	UC	UC
Lag Angle		-	25°	25°	20°	15°	20°
	Homestead Valve Mfg. Co.	X	-	-	-	-	-
	Vaugh Motor Co.	-	X	X	-	-	-
	Regal Mfg. Co.	-	-	-	X	-	-
	Caterpillar Tractor Co.	-	-	-	-	X	-
	Cushman Motor Works	-	-	-	-	-	X

Ref. No.	Order by Part No.	Name of Part	Number Used					
			FM-X1A21S	FM-X1A29	FM-X1A29A	FM-X1A33	FM-X1A36	FM-X1A37
1	A195	Name Plate	1	1	1	1	1	1
2	B1498B	Drive End Bearing Snap Ring	1	1	1	1	1	1
3	B1498D	Rotor Shaft Snap Ring	1	1	1	1	1	1
4	C1498G	Fulcrum Pin Snap Ring	1	1	1	1	1	1
5	V2425	Housing	-	1	-	1	-	-
6	RV2425	Housing	1	-	-	-	-	-

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Ref. No.	Order by Part No.	Name of Part	Number Used					
			FM-X1A21S	FM-X1A29	FM-X1A29A	FM-X1A33	FM-X1A36	FM-X1A37
7	AY2425	Housing	-	-	1	-	-	1
8	CY2425	Housing	-	-	-	-	1	-
9	D2428	Outer Shell Cupped Washer	-	1	-	1	-	-
10	E2428	Outer Shell Cupped Washer	-	-	1	-	1	1
11	BZ2430	End Cap	1	1	1	1	1	1
	10S12D	End Cap Screw - #10-24x$\frac{3}{4}$"	4	4	4	4	4	4
12	AXMR2433	Condenser	1	1	1	1	1	1
	8S4U	Condenser Screw - #8-32x$\frac{1}{4}$"	1	1	1	1	1	1
13	A2437A	Breaker Point Assembly	1	1	1	1	1	1
	6S6Z	Terminal Screw - #6-32x$\frac{3}{8}$"	1	1	1	1	1	1
	6S6U	Contact Screw - #6-32x$\frac{3}{8}$"	1	1	1	1	1	1
	8S6U	Contact Screw - #8-32x$\frac{3}{8}$"	1	1	1	1	1	1
14	K2457A	Ground Switch Bushing	-	1	1	1	1	1
15	D2458	Support Screw Plate Washer - #6	1	1	1	1	1	1
16	T2477C	Coil	1	1	1	1	1	1
	31SS14A	Coil Bridge Screw - 5/16"-24x$\frac{7}{8}$"	2	2	2	2	2	2
17	UY2480	Magnetic Rotor	-	1	1	1	1	1
18	VZ2480	Magnetic Rotor	1	-	-	-	-	-
19	A2492A	Seal Outer Washer	1	1	1	1	1	1
20	A2492C	Seal Inner Washer	1	1	1	1	1	1
21	H2498	End Cap Gasket	1	1	1	1	1	1
22	J2499A	Wire Assembly	-	1	1	1	1	1
23	D2502	Shell Flat Washer	-	1	-	1	-	-
24	E2502	Shell Flat Washer	-	-	1	-	1	1
25	D2514	Switch Lever	-	1	1	1	1	1
26	L2514C	Switch Assembly	-	1	1	1	1	1
	8S14N	Switch Screw - #8-32x$\frac{7}{8}$"	-	1	1	1	1	1
	8LW5	Switch Lockwasher	-	1	1	1	1	1
	8N1	Switch Nut	-	3	3	3	3	3
27	E2561A	Base Plate	-	1	-	1	-	-
	25S12G	Base Plate Screw - $\frac{1}{4}$"-20x$\frac{3}{8}$"	-	2	-	2	-	-
28	V2563	Hub Assembly	-	-	1	-	1	1
29	BX2563	Hub Assembly	-	1	-	1	-	-
30	V2563C	Coupling Complete	-	-	1	-	1	1
31	KX2563C	Coupling Complete	-	1	-	1	-	-
32	D2565	Drive Spring	-	1	1	1	1	1
33	S2568	Pawl Stop Pin	-	-	1	-	1	1
34	U2570	Coupling Nut	-	1	1	1	1	1
35	C2723	Bearing Shim	2	2	2	2	2	2
36	G2788	Cam Wick	1	1	1	1	1	1
37	G3861	Shaft Seal	1	1	1	1	1	1
38	C4591	Outer Shell	-	1	-	1	-	-
	25S6G	Shell Screw - $\frac{1}{4}$"-20x$\frac{3}{8}$"	-	4	-	4	-	-
39	V4631	Bearing Support	1	1	1	1	1	1
	8S6G	Support Screw - #8-32x$\frac{3}{8}$"	4	4	4	4	4	4
40	B5931B	Coupling Nut Lockwasher	-	1	1	1	1	1
41	C5949	Drive End Bearing	1	1	1	1	1	1
42	A5950A	Cam End Bearing	1	1	1	1	1	1
43	Q5957	Coupling Shell	-	1	-	1	-	-
44	R5957	Coupling Shell	-	-	1	-	1	1
45	C5968	Shell Felt Washer	-	1	-	1	-	-
46	D5968	Shell Felt Washer	-	-	1	-	1	1
47	B5969	Support Plate Washer - #8	1	1	1	1	1	1
48	C6018	Insulating Washer	-	2	2	2	2	2
49	B6030A	Vent Cover	2	2	2	2	2	2
	6S4L	Vent Screw - #6-32x$\frac{1}{4}$"	2	2	2	2	2	2
50	C6032B	Vent Screen	2	2	2	2	2	2
51	B6120	Coil Clip	1	1	1	1	1	1
	6S3W	Clip Screw - #6-32x3/16"	1	1	1	1	1	1
52	B6222	Cupped Washer Screw	-	2	2	2	2	2
53	3K1	Key	-	1	1	1	1	1