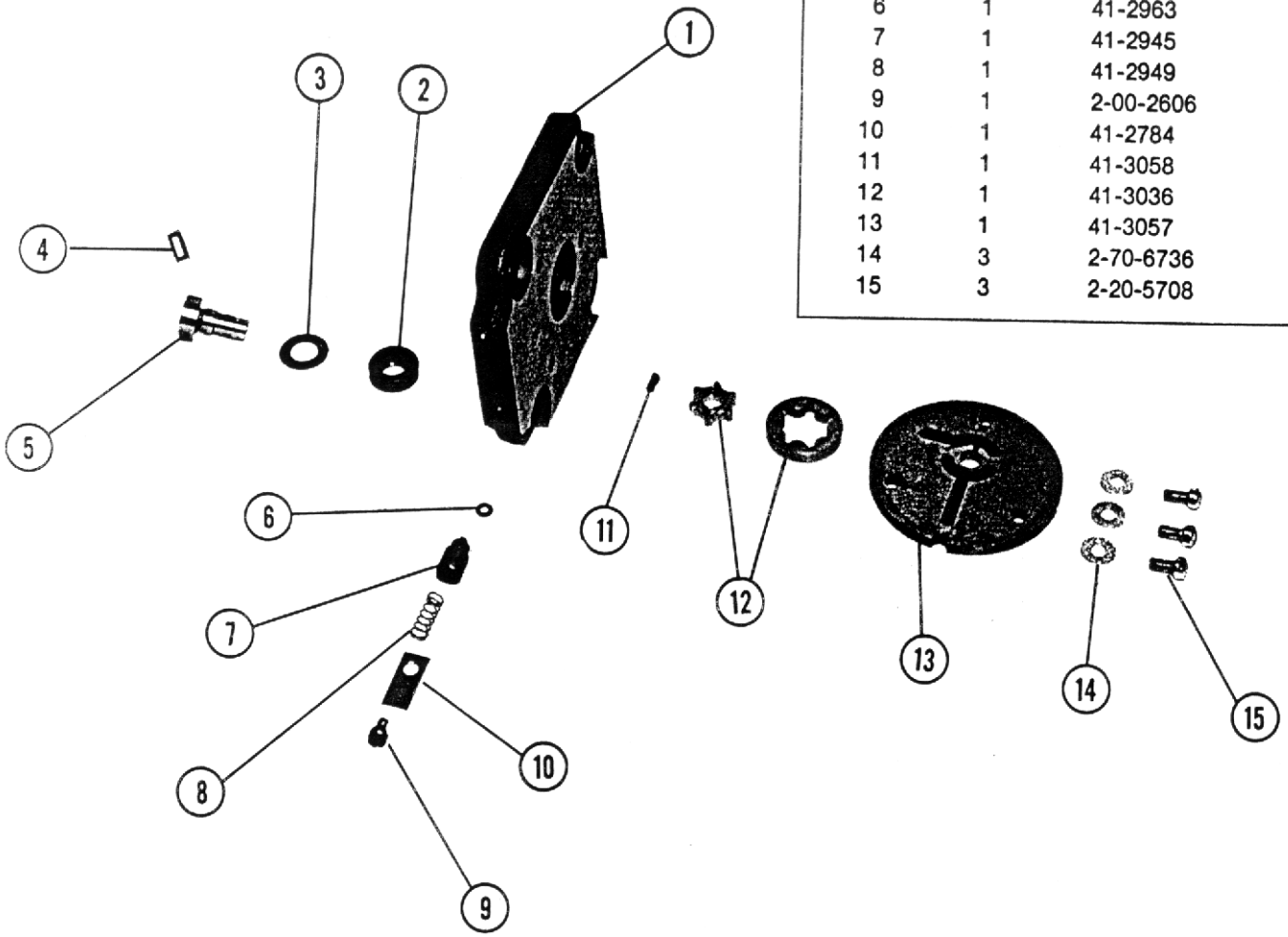
OIL FEED PUMP

41-3059

Item	Qty.	Pc. No.	Description
1	1	41-3055	End Plate
2	1	41-2962	Lip Seal
3	1	41-2678	Washer
4	1	4-21-3006	Dowel Pin 1/8 Dia. x 3/8
5	1	41-3056	Extension Shaft
6	1	41-2963	"O" Ring
7	1	41-2945	Oil Feed Plunger
8	1	41-2949	Plunger Spring
9	1	2-00-2606	Fil. Hd. Stl. Screw 8-32 x 3/8
10	1	41-2784	Plunger Retainer
11	1	41-3058	Drive Pin
12	1	41-3036	Oil Pump Rotor Set
13	1	41-3057	Cover Plate
14	3	2-70-6736	Washer #10
15	3	2-20-5708	Rd. Hd. Screw 10-32 x 1/2



SPECIFICATIONS

MODEL NO.	8806	8811	8816	8821	8831	8851
FREE AIR DISPLACEMENT	**8905**	**8910**	**8915**	**8920**	**8925**	
60 Hz	50 L/M, (1.8 CFM)	100 L/M (3.5 CFM)	150 L/M, (5.3 CFM)	210 L/M, (7.4 CFM)	300 L/M, (10.6 CFM)	513 L/M, (18.2 CFM)
50 Hz	42 L/M, (1.5 CFM)	83 L/M, (2.9 CFM)	125 L/M,(4.4 CFM)	176 L/M, (6.2 CFM)	250 L/M, (8.8 CFM)	425 L/M, (15 CFM)
NUMBER OF STAGES	2	2	2	2	2	2
BLANK-OFF PRESSURE	< 6 x 10-4 Torr	< 6 x 10-4 Torr	< 6 x 10-4 Torr	< 6 x 10-4 Torr	< 6 x 10-4 Torr	< 1 x 10-4 Torr
PUMP & MOTOR SPEED (60 Hz)	1725 RPM	1725 RPM	1725 RPM	1725 RPM	1725 RPM	1725 RPM
TEMPERATURE RISE	31° C	31° C	31° C	31° C	31° C	23°C Fan Cooled
WEIGHT	53 lbs. (24 kg.)	54 lbs. (24.5 kg.)	56 lbs. (25.5 kg.)	54 lbs. (24.5 kg.)	66 lbs. (29.9 kg.)	Approx. 100 Lbs. (45.4 kg.)
OIL CAPACITY	2.38 Qts.(2.25 liters)	2.11 Qts.(2.00 liters)	1.74 Qts.(1.65liters)	2.11 Qts.(2.00 liters)	1.53 Qts. (1.45 liters)	.9 Qts. (.85 liters)
MOTOR 1 PH 60 Hz	1/3 HP	1/3 HP	1/2 HP	1/2 HP	3/4 HP	1-1/2 HP
INTAKE CONNECTION	1"-20" Thread, 13/16" O.D.	1"-20" Thread, 13/16" O.D.	1"-20" Thread, 13/16" O.D.	1"-20" Thread, 13/16" O.D.	1-1/2"-12" Thread, 1-11/16"" O.D.	1-5/8 O.D. Hose Nipple
EXHAUST CONNECTION	1"-20 Thread	1"-20 Thread	1"-20 Thread	1-3/4"-20" Thread	1-3/4"-20 Thread	1-3/4"-20" Thread
OVERALL DIMENSIONS	18-5/8" L x 7-1/2" W x 12" H (47 x 19 x 30.5 cm)	18-5/8" L x 7-1/2" W x 12" H (47 x 19 x 30.5 cm)	20-3/4" L x 7-1/2" W x 12" H (52 x 19 x 30.5 cm)	20-3/4" L x 7-1/2" W x 12" H (52 x 19 x 30.5 cm)	20-3/4" L x 7-1/2" W 13-7/8" H (52.7 x 21 x 35.2 cm)	24" x 8" x 12" (61.0 x 20.3 x 30.5 cm)
EXHAUST FILTER	1417P	1417P	1417P	1417S OMNI	1417S OMNI	OMNI 1417B 1397
VENTED EXHAUST	Standard	Standard	Standard	Standard	Standard	Standard
VACUUM HOSE REQUIRED	13/16" I.D.	13/16" I.D.	13/16" I.D.	13/16" I.D.	1-5/8" I.D.	1-5/8" I.D.
VOLUME RATIO BETWEEN STAGES	1:1	2:1	3:1	4:1	6:1	10:1

PARTS LIST
DIRECTOR II VACUUM PUMP

CAT. NO. 8806

Item	Qty.	Pc. No.	Description
1	1	41-3042	Oil Case Assembly Includes (1) Item 26
2	1	41-3035	Oil Filler Plug With "O" Ring
3	1	41-2933	Drain Plug (Use with "O" Ring 41-2642)
4	8	2-01-6116	Socket Head Stl. Screw 1/4-20 x 1
5	1	41-3133	Oil Case Gasket
6	4	41-2709	Small Vane
7	2	41-0613	Woodruff Key #404
8	2	41-2969	Vane Spring Holder
9	4	41-2972	Vane Spring
10	1	41-3061	Tolerance Ring
11	1	41-2964	Exhaust Rotor
12	1	41-3048	Valve
13	1	41-2783	Valve Spring
14	1	41-2966	Exhaust Valve Bracket
15	1	41-3059	Oil Pump Assembly
16	3	2-00-2604	Fil. Hd. Stl. Screw 8-32 x 1/4
17	1	41-2951	Check Valve Spring
18	1	4-40-0800	Steel Ball 1/4 Dia.
19	1	41-2977	Lip Seal (Center Plate)
20	1	41-2961	Center Plate
21	4	2-31-2521	Stl. Hex. Nut 3/8-16
22	1	41-2778	Exhaust Ring
23	8	2-61-0571	Steel Washer 3/8 x 5/8 x .071
24	1	41-2989	Splash Baffle
25	1	41-1736	Vented Exhaust Valve
26	1	41-3040	Oil Level Window
27	1	41-2757	Locknut
28	1	41-3070	Motor Adapter
29	1	41-0643	Seal Gasket
30	1	41-3071	Coupling Flange 1/2 Bore
31	1	41-3072	Coupling Flange 5/8 Bore
32	1	41-3073	Coupling Sleeve
33	1	41-2732	Coupling Key
34	1	41-2724	Base Including Item 35 and Item 36
35	4	41-0929	Rubber Bumper
36	4	2-02-5708	Rd. Hd. Self Tapping Screw, Type F, 10-32 x 1/2
37	4	2-01-0310	Hex. Hd. Stl. Cap Screw 5/16-18 x 5/8
38	4	2-63-0356	Split Lockwasher 5/16
39	1	41-3050	Drip Pad
40	4	2-61-0000	Steel Washer 3/16
41	4	41-3069	Motor Stud
42	1	41-0491	Aluminum Washer
43	1	41-0993	Intake Nipple
44	1	41-2068	Shaft Seal
45	3	2-00-2705	Fil. Hd. Stl. Screw 10-32 x 5/16
46	1	41-2743	Intake Cover
47	1	41-2744	Intake Cover Gasket
48	1	41-2745	Intake Screen
49	1	41-2988	Lip Seal (Wear Plate)
50	1	41-2797	Wear Plate
51	1	41-1150	Truarc Ring
52	2	41-1285	Thrust Washer
53	1	41-2955	Shaft
54	1	41-3093	Intake Ring
55	1	41-2748	Intake Rotor
56	4	2-01-0568	Hex. Hd. Stl. Bolt 3/8-16 x 4-1/4
57	1	41-3095	Mounting Plate
58	2	2-00-6720	Socket Head Screw 10-32 x 1-1/4
59	1	1417P	Exhaust Filter
60	1	41-2753	Cord Set For 115V Operation
60	1	41-2754	Cord Set For 230V Operation
61	1	41-2752	Motor Switch
62	1	41-2637	Motor Shaft Key 3/16 x 3/16 x 3/8
63	1	41-2000	Motor, 1/3 HP, 115V, 60Hz Includes Items 60, 61 & 62
63	1	41-2002	Motor, 1/3 HP, 230V, 60Hz Includes Items 60, 61 & 62
63	1	41-2004	Motor, 1/3 HP, 110V, 50Hz Includes Items 60, 61 & 62
63	1	41-2006	Motor, 1/3 HP, 220V, 50Hz Includes Items 60, 61 & 62
64	1	1-99-5282	Sealant (6cc Tube)
65	1	2-69-7015	Washer 9/16 x 7/8 x 1/16
66	1	41-2065	"O" Ring 7/8 I.D. x 1/8
67	1	41-3067	Handle Assembly
68	1	2-31-9000	Hex Nut 1/2-13
69	4	2-00-6712	Socket Head Screw 10-32 x 3/4

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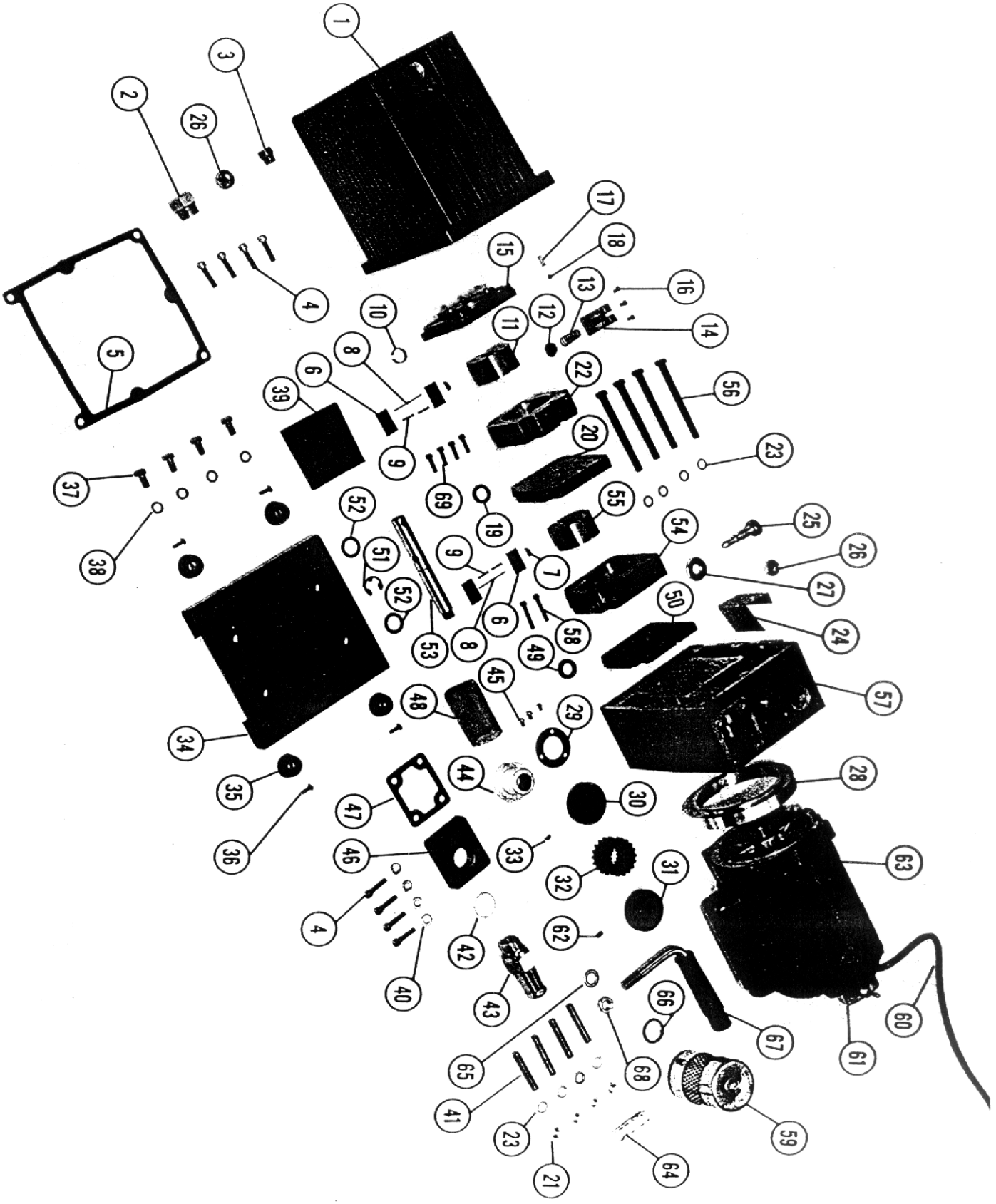
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PARTS LIST
DIRECTOR II VACUUM PUMP

CAT. NO. 8811

Item	Qty.	Pc. No.	Description
1	1	41-3042	Oil Case Assembly Includes (1) Item 26
2	1	41-3035	Oil Filler Plug With "O" Ring
3	1	41-2933	Drain Plug (Use with "O" Ring 41-2642)
4	8	2-01-6116	Socket Head Stl. Screw 1/4-20 x 1
5	1	41-3133	Oil Case Gasket
6	2	41-2709	Small Vane
7	2	41-0613	Woodruff Key #404
8	3	41-2969	Vane Spring Holder
9	6	41-2972	Vane Spring
10	1	41-3061	Tolerance Ring
11	1	41-2964	Exhaust Rotor
12	3	41-3048	Valve
13	1	41-2783	Valve Spring
14	1	41-2966	Exhaust Valve Bracket
15	1	41-3059	Oil Pump Assembly
16	6	2-00-2604	Fil. Hd. Stl. Screw 8-32 x 1/4
17	1	41-2951	Check Valve Spring
18	1	4-40-0800	Steel Ball 1/4 Dia.
19	1	41-2977	Lip Seal (Center Plate)
20	1	41-2961	Center Plate
21	4	2-31-2521	Stl. Hex. Nut 3/8-16
22	1	41-2778	Exhaust Ring
23	8	2-61-0571	Steel Washer 3/8 x 5/8 x .071
24	1	41-2989	Splash Baffle
25	1	41-1736	Vented Exhaust Valve
26	1	41-3040	Oil Level Window
27	1	41-2757	Locknut
28	1	41-3070	Motor Adapter
29	1	41-0643	Seal Gasket
30	1	41-3071	Coupling Flange 1/2 Bore
31	1	41-3072	Coupling Flange 5/8 Bore
32	1	41-3073	Coupling Sleeve
33	1	41-2732	Coupling Key
34	1	41-2724	Base Including Item 35 and Item 36
35	4	41-0929	Rubber Bumper
36	4	2-02-5708	Rd. Hd. Self Tapping Screw, Type F, 10-32 x 1/2
37	4	2-01-0310	Hex. Hd. Stl. Cap Screw 5/16-18 x 5/8
38	4	2-63-0356	Split Lockwasher 5/16
39	1	41-3050	Drip Pad
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44	1	41-2068	Shaft Seal
45	3	2-00-2705	Fil. Hd. Stl. Screw 10-32 x 5/16
46	1	41-2743	Intake Cover
47	1	41-2744	Intake Cover Gasket
48	1	41-2745	Intake Screen
49	1	41-2988	Lip Seal (Wear Plate)
50	1	41-2797	Wear Plate
51	1	41-1150	Truarc Ring
52	2	41-1285	Thrust Washer
53	1	41-2954	Shaft
54	1	41-3097	Intake Ring
55	2	41-2708	Intake Vane
56	1	41-2706	Intake Rotor
57	2	41-2991	Intake Valve Spring
58	4	2-01-0587	Hex. Hd. Stl. Cap Screw 3/8-16 x 5-1/4
59	1	41-2968	Bypass Valve Bracket
60	1	41-3095	Mounting Plate
61	2	2-00-6720	Socket Head Screw 10-32 x 1-1/4
62	1	1-99-5282	Sealant (6cc Tube)
63	1	1417P	Exhaust Filter
64	1	41-2753	Cord Set For 115V Operation
64	1	41-2754	Cord Set For 230V Operation
65	1	41-2752	Motor Switch
66	1	41-2637	Motor Shaft Key 3/16 x 3/16 x 3/8
67	1	41-2000	Motor, 1/3 HP, 115V, 60Hz Includes Items 64, 65 & 66
67	1	41-2002	Motor, 1/3 HP, 230V, 60Hz Includes Items 64, 65 & 66
67	1	41-2004	Motor, 1/3 HP, 110V, 50Hz Includes Items 64, 65 & 66
67	1	41-2006	Motor, 1/3 HP, 220V, 50Hz Includes 64, 65 & 66
68	4	2-00-6712	Socket Head Screw 10-32 x 3/4
69	1	41-3067	Handle Assembly
70	1	41-2065	"O" Ring, 7/8 I.D. x 1/8
71	1	2-31-9000	Hex. Nut 1/2-13
72	1	2-69-7015	Washer 9/16 x 7/8 x 1/16

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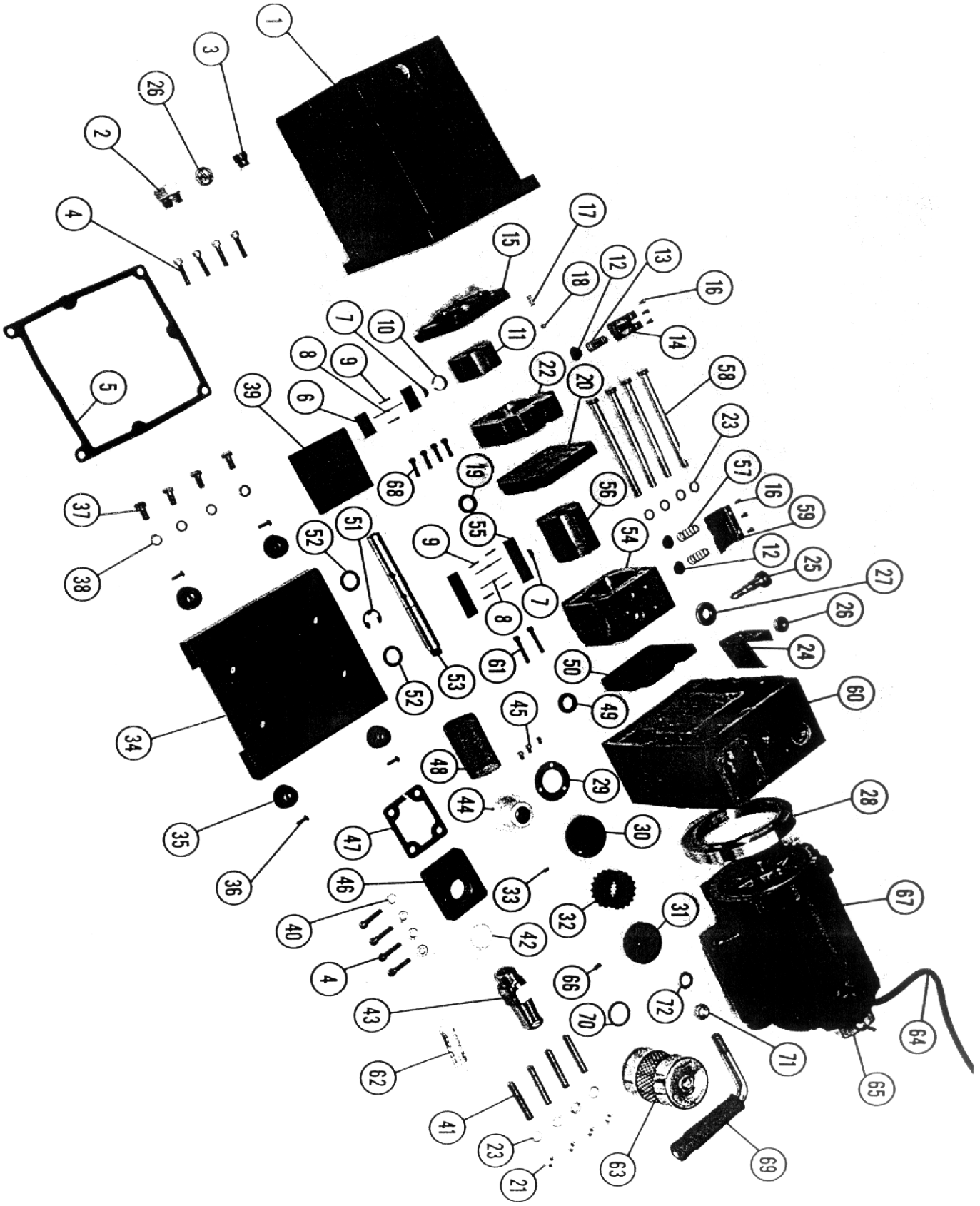
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