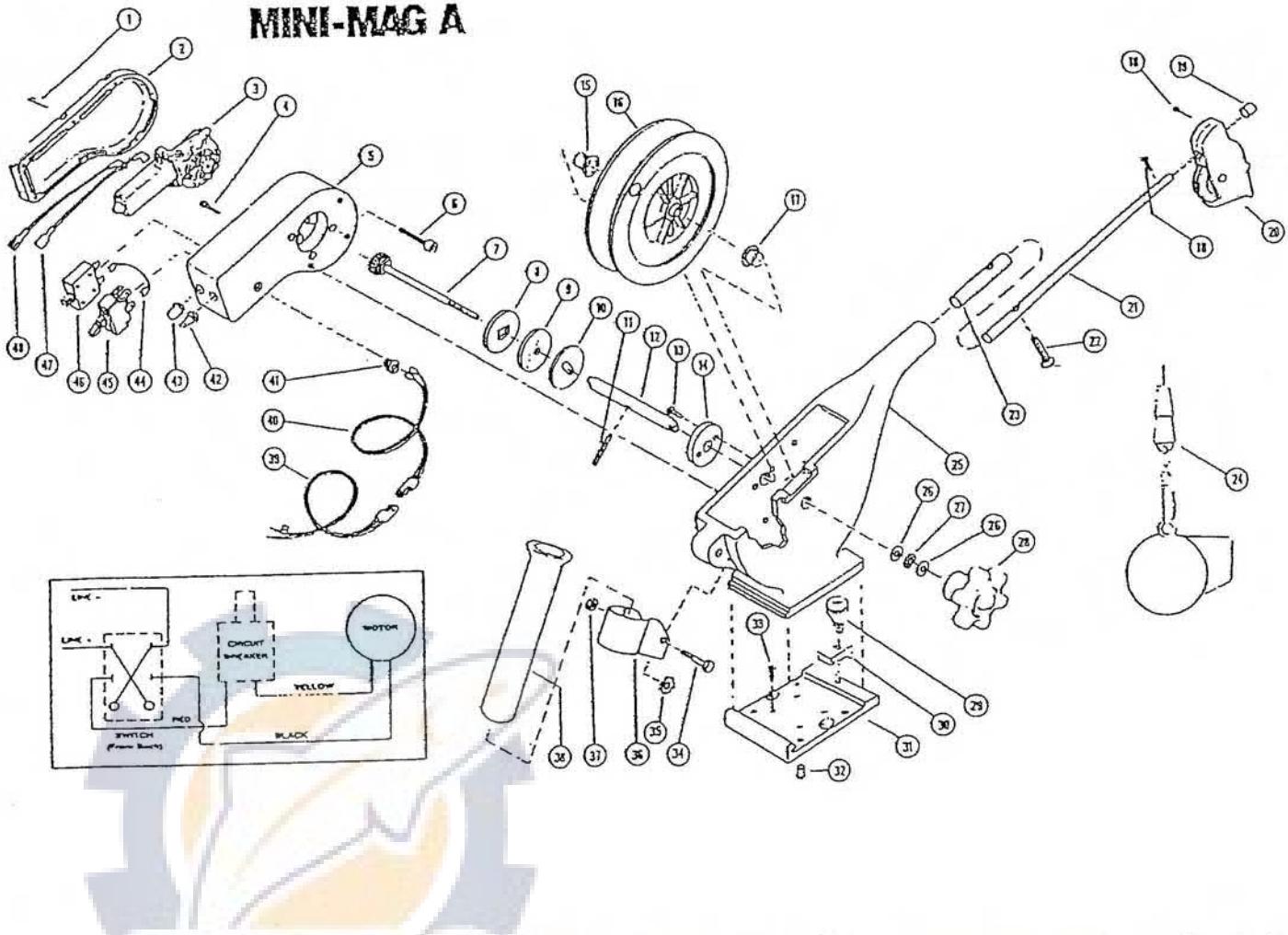


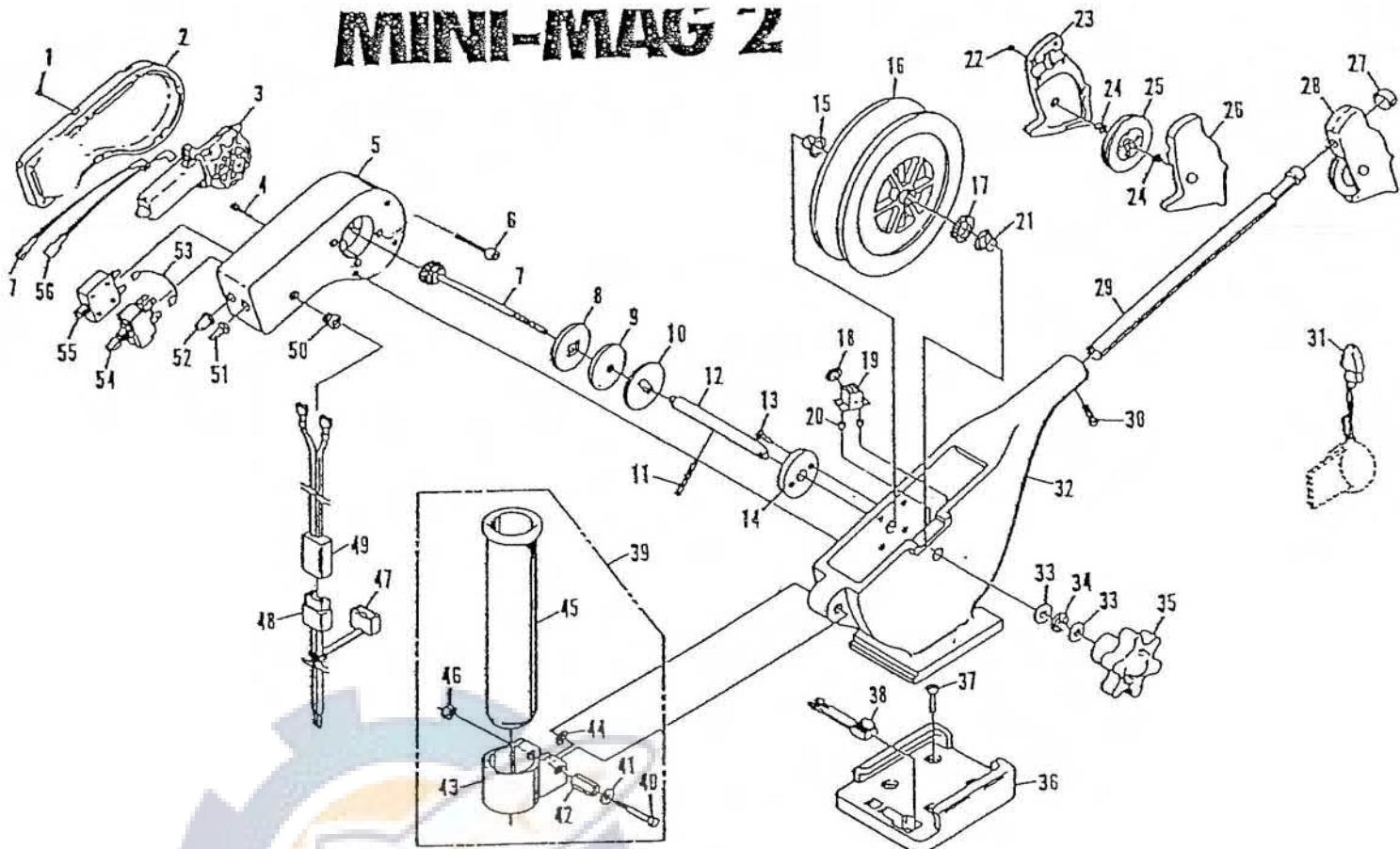
MINI-MAG A



Key No.	Part Name	Drwg. No.	Part No.
1.	Screw #8 x 7/8 pan head (seven needed)	C2127	9370100
2.	Cover — motor	C2587	0621485
3.	Motor & gear unit assembly	C2592A	0658662
4.	Screw 1/4 x 1 hex washer head (three needed)	C3103	9370210
5.	Housing motor	C2586	0643602
6.	Screw M6 x 30mm (three needed)	C2583	9310010
7.	Shaft assembly — drive	C3202A	0680002
8.	Plate — drive	C2617	0687696
9.	Pad — clutch	C2290	1264670
10.	Plate — clutch	C2519	0487695
11.	Screw 5/16-18 x 1 set half dog	C2285	9340130
12.	Shaft — reel	C2618	0680750
13.	Screw #8 x 5/8 pan head (two needed)	C2382	9370070
14.	Guide — motor housing	C2373	1237583
15.	Bearing 5/8 I.D. long (motor side)	C2639	9010040
16.	Reel	C2300	0274735
17.	Bearing 5/8 I.D. short (knob side)	C2024	9010010
18.	Screw #4 x 1/2 pan head (three needed)	C2184	9370010
19.	Cap — boom end	C2472	0216403
20.	Swivel head assembly w/counter	C3257AK	2250003
21.	Boom — 18" stainless steel	C2471-1	0210363
22.	Screw #10-24 x 1 pan hd	C3072	9280020
23.	Seat — boom	C2791	0284777
24.	Terminator	C3199AK	2250141
25.	Frame main (black) (white)	C2998B C2998W	0230002 0230004

Key No.	Part Name	Drwg. No.	Part No.
26.	Race — thrust bearing (two needed)	C2690	9010310
27.	Bearing — thrust	C2689	9010280
28.	Knob assembly — clutch/brake	C2386A	1249916
29.	Knob assembly — thumb	C2186A	0249900
30.	Lug — retaining	C2145	0209347
31.	Base — plate	C2146	0267324
32.	Stop edge	C3272	0487001
33.	Screw 1/4-20 x 1/2 undercut (package of 4)	C2582A	9280311
34.	Bolt 5/16-18 x 1-3/4 hex hd	C2034	9040310
35.	Washer 5/16 int/ext tooth	C2348	9430160
36.	Clamp — rod holder	C2183-1	2419470
37.	Nut 5/16-18 x hex	C2240	9130190
38.	Tube — rod holder	C2003	0290796
39.	Cable — battery end	C2101A	1215392
40.	Cable — motor end	C2125A	1215393
41.	Grommet — strain relief	C2126	1235575
42.	Boot — motor switch	C2229	1221493
43.	Boot — circuit breaker	C2195	1221491
44.	Wire assembly jumper	C2102A	1296830
45.	Switch — motor	C2112-2	1288787
46.	Circuit — breaker	C2113	1212386
47.	Wire assembly (black)	C2631A	0696000
48.	Wire assembly (yellow)	C2632A	0696001
49.	Cable replacement 200'	EC-200	2215393

MINI-MAG 2

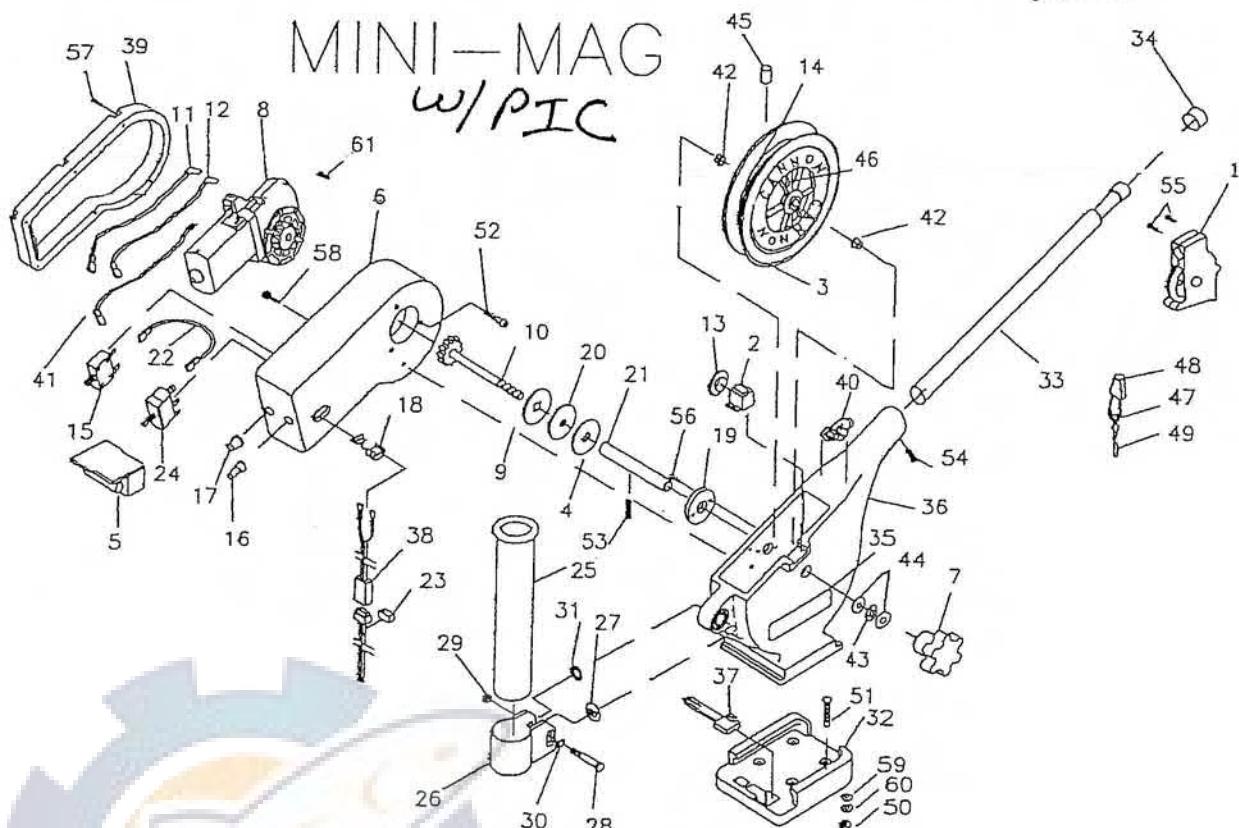


Key No.	Part Name	Part No.
1.	Screw #8 x 7/8 Pan Hd. (7 needed)	9370100
2.	Cover — Motor	0621485
3.	Motor & Gear Unit Assembly	0650662
4.	Screw 1/4 x 1 Hex Wash. Hd. (3 needed)	9370210
5.	Housing — Motor	0643602
6.	Screw M6 x 3mm (3 needed)	9310010
7.	Shaft Assembly — Drive	0680002
8.	Plate — Drive	0667696
9.	Pad — Clutch	1264670
10.	Plate — Clutch	0467695
11.	Screw 5/16-18 x 1 Set (Half Dog)	9340130
12.	Shaft — Reel	1200002
13.	Screw #8 x 5/8 Pan Hd (2 needed)	9370070
14.	Guide — Motor Housing	1237583
15.*	Bearing Nylon (Long)	9010040
16.	Reel & Gear Assembly	0274000
17.	Gear (Only) Reel	0233560
18.	Gear (Only) Depth Counter	0633561
19.	Meter Assembly — Depth	0220126
20.	Cushion — Depth Meter	0654654

Key No.	Part Name	Part No.
21.*	Bearing Nylon (Short)	9010010
22.	Screw #4 x 1/2 Pan Hd (2 needed)	9370010
23.	Plate Side (Left)	0267002
24.	Bearing — Brass (2 needed)	9010070
25.*	Pulley — Cable	0269726
26.	Plate Side (Right)	0267001
27.	Cap — Boom End	3316001
28.	Swivel Head Assembly (Packaged)	2250125
	Swivel Head Assembly (Unpackaged)	0200135
29.	Boom 2 FL Co-polymer	3310002
30.	Screw #8 x 1 Pan Hd	9370002
31.	Terminator (Pkg.)	2250141
32.	Frame — Main w/fix	3330003
33.	Race — Bearing (2 needed)	9010310
34.*	Bearing — Thrust	9010280
35.	Knob Assembly — Clutch/Breaks	1249916
36.	Base Assembly — Tab Lock	3307001
37.	Screw 1/4-20 x 7/8 Truss Hd (4 needed)	9280710
38.	Tab — Locking	3391001

Key No.	Part Name	Part No.
ROD HOLDER ASSEMBLY (OPTIONAL)		
39.	Rod Holder Assembly (Hex) (Pkg.)	2450008
40.	Bolt 5/16-18 x 1-3/4 Hex Hd	9040101
41.	Washer 5/16 Flat	9430101
42.	Stop — Rod Holder Locking (Hex)	3387001
43.	Clamp — Rod Holder w/fix	3319002
44.	Washer 5/16 Int./Ext. Lock	9430160
45.	Tube — Rod Holder	0290796
46.	Nut 5/16-18 Hex	9130190
47.	Cap — Power Cable	1416070
48.	Cable Assembly — Battery	4415002
49.	Cable Assembly — Motor	4415001
50.	Grommet — Strain Relief	1235575
51.	Boot — Motor Switch	1221490
52.	Boot — Circuit Breaker	1221491
53.	Wire Assembly Jumper	1296830
54.	Switch — Motor	1286787
55.	Circuit Breaker	1212386
56.	Wire Assembly (Black)	0690000
57.	Wire Assembly (Yellow)	0690001
58.	Cable Replacement (200 FL)	2215393

Fixed PTC



ITEM	DESCRIPTION	QTY
1.	ASY SWIVEL HEAD	1
2.	METER 3 DIGIT	1
3.	ASY REEL 7 1/2"	1
4.	REEL PLATE CLUTCH	1
5.	ASY PCB MAG 20	1
6.	HSG MOTOR	1
7.	KNOB BREAK ADJ	1
8.	MOTOR MMA	1
9.	PLATE DRIVE SHAFT	1
10.	SHAFT DRIVE	1
11.	WIRE BLACK	1
12.	WIRE YELLOW	1
13.	GEAR COUNTER	1
14.	CABLE .034 CAMO	200
15.	CIRCUIT BREAKER 10A	1
16.	BOOT SWITCH	1
17.	BOOT CIRCUIT BREAKER	1
18.	GROMMET POWER CBL	1
19.	MOTOR GUIDE	1
20.	CLUTCH PAD SM HOLE	1
21.	REEL SHAFT	1
22.	SWITCH BREAK JUMPER	1
23.	BATTERY CABLE	1
24.	SWITCH MINI-MAG	1
EXP ASY ROD HOLDER		1
25. *	TUBE ROD HOLDER	1
26. *	CLAMP RODHOLDER	1
27. *	OBROUND DISC	1

ITEM	DESCRIPTION	QTY
28.	*BOLT 5/16-18X2	1
29.	*NUT 5/16-18	1
30.	*WAS 5/16 FLAT	1
31.	*WAS 5/16 INT/EXT	1
32.	BASE TABLOCK	1
33.	BOOM CO-POLY	1
34.	BOOM END CAP	1
35.	EMBLEM 1X4 LG	2
36.	FRAME SMALL	1
37.	LOCKING TAB	1
38.	POWER CABLE	1
39.	MOTOR COVER	1
40.	NOSF FMBLFM MM	1
41.	WIRE SHORTSTOP	1
42.	NYLINER KEYED	2
43.	TORQUE TRANS	1
44.	BEARING RACE TORQ	2
45.	SHORTSTOP SPRING SS1	1
46.	CON LEADER SLEEVE	1
47.	TERMINATOR	1
48.	CUSHION TERMINATOR	1
49.	SWIVEL SNAP	1
50.	NUT 1/4-20	4
51.	SCR 1/4-20X2 1/2	4
52.	SCR 6MMX30MM	3
53.	SCR SET 5/16-18X1	1
54.	SCR #8 SELF TAP	1
55.	SCR #4X1/2	3

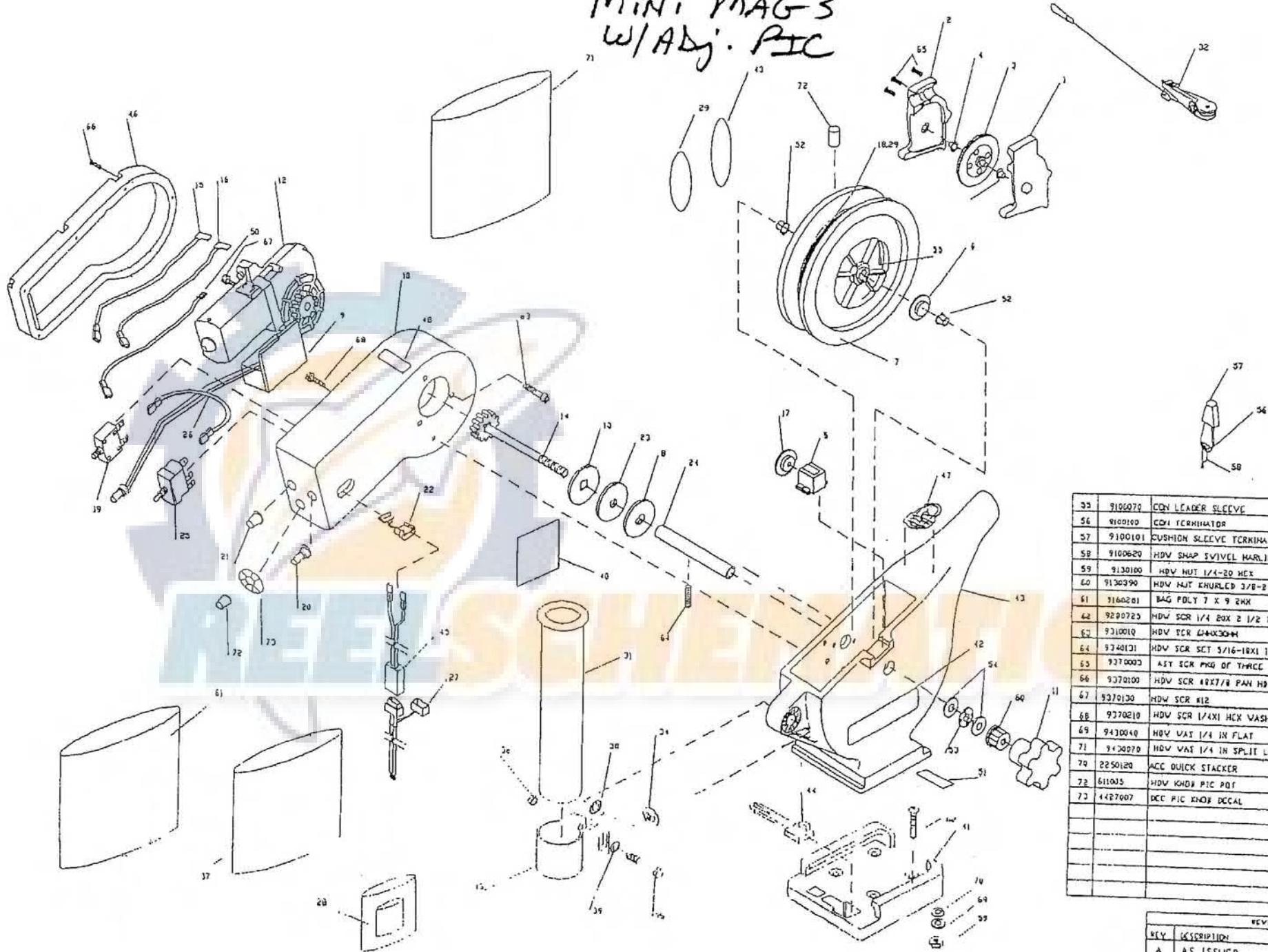
ITEM	DESCRIPTION	QTY
56.	SCR #8X5/8	2
57.	SCR #8X7/8	7
58.	SCR 1/4X1	3
59.	WAS 1/4 FLAT	4
60.	WAS 1/4 LOCK	4
61.	SCR #12X3/8	1

MINI MAG w/PIC

Fixed PIC

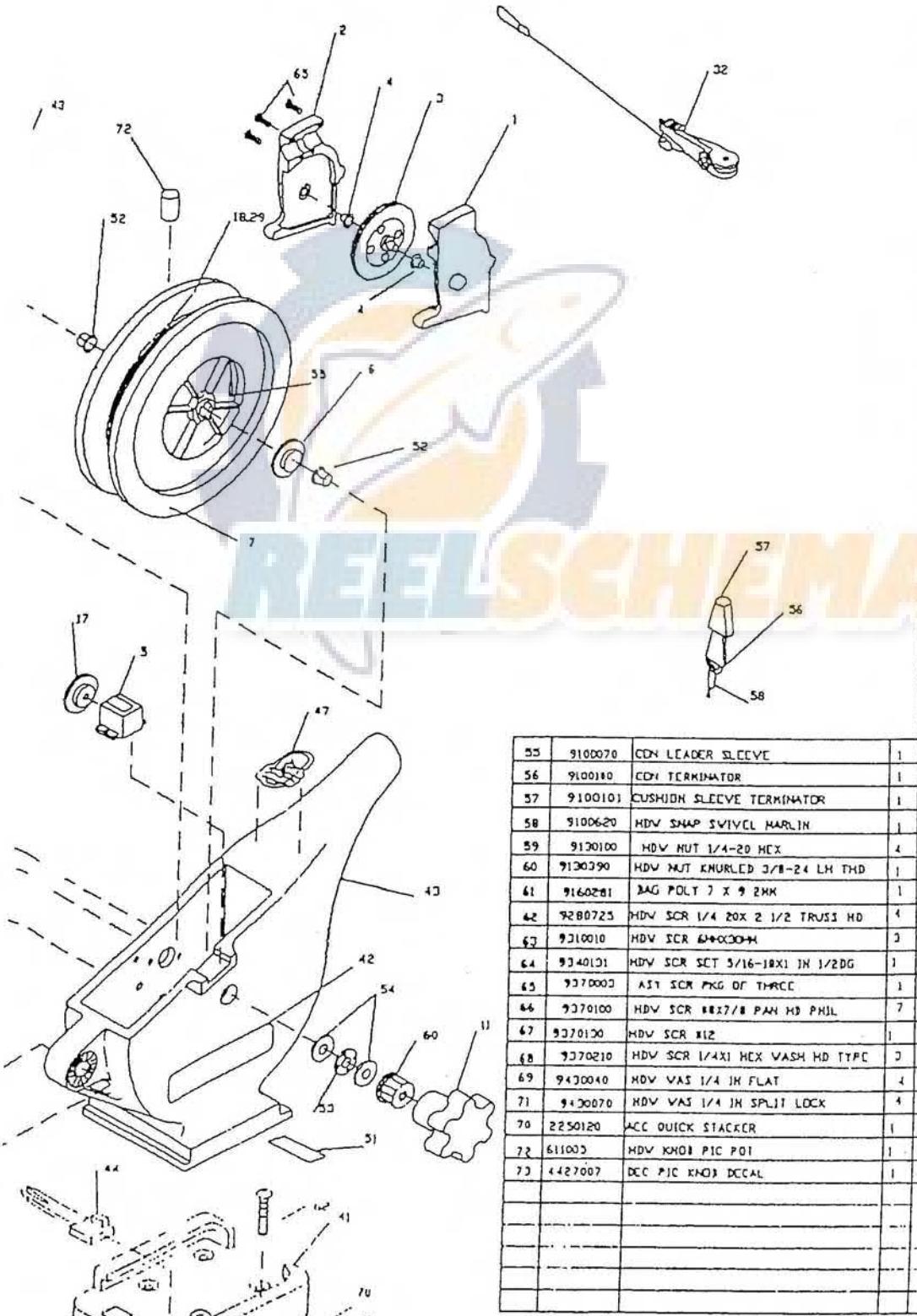
ITEM #	PART DESCRIPTION	PART #	QTY	ITEM #	PART DESCRIPTION	PART #	QTY
1	ASY SWIVEL HEAD	0200135	1	44	BEARING RACE TORQ	9010310	2
2	METER 3 DIGIT	0220477	1	45	CON LEADER SLEEVE	9100070	1
3	ASY REEL 7 1/2"	0274000	1	46	TERMINATOR	9100100	1
4	REEL PLATE CLUTCH	0467695	1	47	CUSHION TERMINATOR	9100101	1
5	ASY PCB MINI-MAG	050173	1	48	SWIVEL SNAP	9100620	1
6	HSG MOTOR	0643602	1	49	NUT 1/4-20	9130100	4
7	KNOB BREAK ADJ	1249918	1	50	SCR 1/4-20X2 1/2	9280725	2
8	MOTOR MMA	0658662	1	51	SCR 6mmx30mm	9310010	3
9	PLATE DRIVE SHAFT	0667596	1	52	SCR SET 5/16-18/1 3	9340131	1
10	SHAFT DRIVE	0680002	1	53	SCR #8 SELF TAB	9370002	1
11	WIRE BLACK	0690000	1	54	SCR #4X1.2	9370010	3
12	WIRE YELLOW	0690001	1	55	SCR #8X5/8	9370070	2
13	GEAR COUNTER	0833581	1	56	SCR #8X7/8	9370100	7
14	CABLE .034 CAMO	1015391	200	57	SCR 1/4X1	9370210	3
15	CIRCUIT BREAKER 10A	1212386	1	58	WAS 1/4 FLAT	9430040	4
16	BOOT SWITCH	1221490	1	59	WAS 1/4 LOCK	9430070	4
17	BOOT CIRCUIT BREAKER	1221491	1	60	SCR #12X3 1/8	9370130	1
18	GROMMET POWER CBL	1235578	1	61			
19	MOTOR GUIDE	1237583	1	62			
20	CLUTCH PAD SM HOLE	1254570	1	63			
21	REEL SHAFT	1280002	1	64			
22	SWITCH BREAK JUMPER	1296831	1	65			
23	BATTERY CABLE	1415072	1	66			
24	SWITCH MINI-MAG	2286791	1	67			
EXP	ASY ROD HOLDER		1	68			
25	*TUBE ROD HOLDER	0290796	1	69			
26	*CLAMP ROD HOLDER	3318005	1	70			
27	*OBROND DISC	3325002	1	71			
28	*BOLT 5/16-18X2	9040310	1	72			
29	*NUT 5/16-18	9130180	1	73			
30	*WAS 5/16 FLAT	9430101	1	74			
31	*WAS 5/16 INT/EXT	9430160	1	75			
32	BASE TABLOCK	3307003	1	76			
33	BOOM CO-POLY	3310002	1	77			
34	BOOM END CAP	3316001	1	78			
35	EMBLEM 1X4 LG	3327003	2	79			
36	FRAME SMALL	3330001	1	80			
37	LOCKING TAB	3391001	1	81			
38	POWER CABLE	4415004	1	82			
39	MOTOR COVER	4421001	1	83			
40	NOSE EMBLEM MM	4427001	1	84			
41	WIRE SHORTSTOP	609130	1	85			
42	NYLiner KEYED	9010001	2	86			
43	TORQUE TRANS	9010280	1	87			

MINI MAG 3
W/Adj. PIC

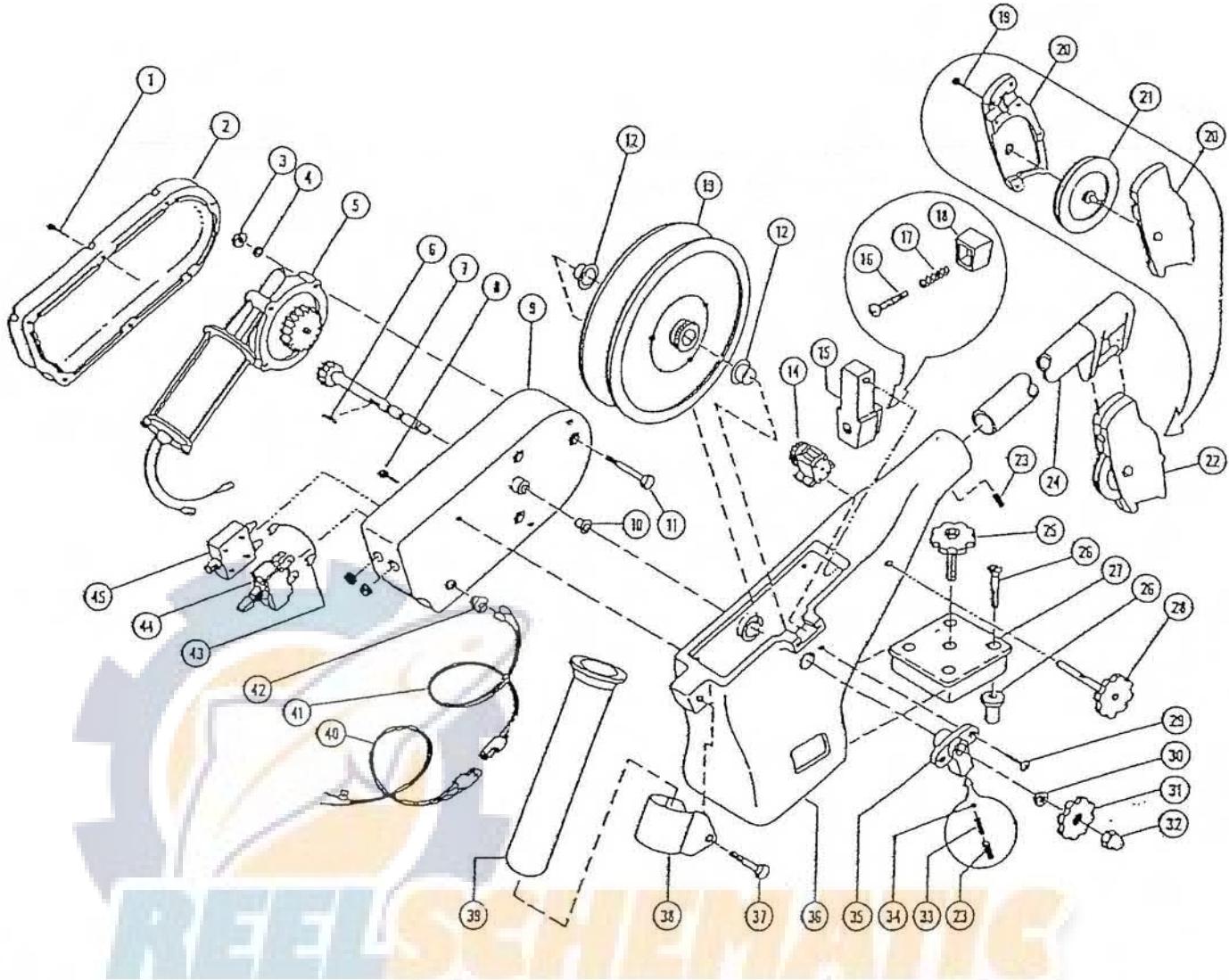


REVISIONS		
KEY	DESCRIPTION	CODE
A	AS ISSUED	

MINI-MAG 3
w/ADJ. PIC



INDENTED BILL OF MATERIAL		
ITEM	P/N	DESCRIPTION
1	0200125	ASY SWIVEL HEAD
2	0267001	PLATE SIDE RIGHT
3	0267002	PLATE SIDE LEFT V/D COUNTER
4	026726	HDV PULLEY WHEEL SWIVEL HD
5	9010070	HDV BEARING BRASS
6	0220477	METER 3 DIGIT
7	0274000	ASY REEL 7 1/2'
8	0233560	GEAR REEL
9	0274732	REEL ROUGH CANNON
10	0467695	HDV REEL PLATE CLUTCH/Brake
11	050219	ASY PCB MIKIMOTO
12	0643603	HSG MOTOR MM3
13	0649001	HDV KNOB BRAKE ADJUST
14	0658662	MOTOR MMA
15	0667696	SHAFT DRIVE PLATE CLUTCH/Brake
16	0680002	ASY SHAFT DRIVE MMA
17	0696000	VIR ASY BLACK MMA
18	0696001	VIR ASY YELLOW MMA
19	0033561	GEAR COUNTER
20	1015091	VIR 316 .031 CAMO SS
21	1212086	CIRCUIT BREAKER 10A
22	1221490	BOOT SWITCH
23	1221491	BOOT CIRCUIT BREAKER
24	1235576	HDV GRD/MET POWER CBL HAWG
25	1264670	ASY CLUTCH PAD SM HOLE
26	1280002	SHAFT REEL MMA/MIDA
27	2286791	SWI MINIMAG
28	1296801	VIR 14GA SWITCHBREAKER JUMPER
29	1415072	CABLE POWER BATTERY 14AWG
30	2250007	ANTI OXIDANT SAMPLE
31	2276738	HDV RUBBER BAND 1 3/4" X 1/16"
32	9100070	CDN LEADER SLEEVE
33	9100140	CDN TERMINATOR
34	9100101	CUSHION SLEEVE TERMINATOR
35	9100620	HDV SNAP SWIVEL HARLIN
36	9100100	HDV NUT 1/4-20 HEX
37	9100390	HDV NUT KNURLED 3/8-16 LH THD
38	9160281	BAG POLT 7 X 9 2MM
39	9280725	HDV SCR 1/4 20X 2 1/2 TRUSS HD
40	9310010	HDV SCR 640000H
41	9340191	HDV SCR SET 5/16-18X1 IN 1/2DG
42	9370000	ASY SCR PKG OF THREE
43	9370100	HDV SCR 11/16-8 PAH HD PHIL
44	9370130	HDV SCR #12
45	9370210	HDV SCR 1/4X1 HEX WASH HD TYPE
46	9430040	HDV WAS 1/4 IN FLAT
47	9430070	HDV WAS 1/4 IN SPLIT LOCK
48	2250120	ACC QUICK STACKER
49	611003	HDV KNOB PIC POT
50	4427007	DEC PIC KNOB DECAL
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Key No.	Part Name	Part No.
1.	Screws — motor cover (seven)	C-2127
2.	Cover — motor	C-2057
3.	Nuts — motor bolt (three)	C-2109
4.	Lock washers — motor bolt (three)	C-2108
5.	Motor & reduction gear unit	C-2086
6.	Key — drive shaft	C-2117
7.	Shaft — drive	C-2013
8.	Screws — motor housing (three)	C-2114
9.	Housing — motor	C-2056
10.	Bearing — motor housing	C-2116
11.	Bolts for mounting motor (three)	C-2107
12.	Bearing — frame	C-2024
13.	Cable reel assembly	C-2040A
14.	Depth meter	C-2025A
15.	Swing-lock clutch	C-2009A
16.	Screw — clutch adjusting	C-2011
17.	Spring — clutch adjusting	C-2012
18.	Block — clutch adjusting	C-2010
19.	Screws — swivel head (six)	C-2080
20.	Side plates — swivel head (pair)	C-2038
21.	Pulley wheel — swivel head	C-2110
22.	Swivel head assembly	C-2043A
23.	Locking screw	C-2051
24.	Boom — 24-inch 48-inch 72-inch	C-2036-24 C-2036-48 C-2036-72

Key No.	Part Name	Part No.
25.	Wheel and stud — base locking	C-2083A
26.	Bolts ($\frac{1}{4}$ -20 x 4") and locknuts*	C-2068A*
27.	Base — mounting	C-2001
28.	Knob and shaft assembly — swing lock	C-2073A
29.	Screws — motor release bracket (two)	C-2020
30.	Nut — jamb	C-2106
31.	Knob — motor release	C-2003
32.	Nut — acorn	C-2019
33.	Spring — motor release lock	C-2105
34.	Ball — motor release lock	C-2104
35.	Bracket — motor release lock	C-2090
36.	Frame	C-2007
37.	Screw — rod holder clamp	C-2034
38.	Clamp — rod holder	C-2032
39.	Tube — rod holder	C-2033
40.	Cable — battery end	C-2101
41.	Cable — motor end	C-2125
42.	Grommet — strain relief	C-2126
43.	Wire — switch connecting	C-2102
44.	Switch — motor	C-2112
45.	Circuit breaker	C-2113

*Accessory item — not included with unit.