

(1<sup>ST</sup>)

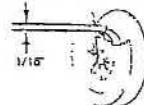
## MARLIN Electric (MAG10 w/short stop)

## How the Short Stop System Works

The Short Stop electronic unit is capable of sensing the instant when the cable clears the water; it then cuts off the downrigger while your trolling weight is still in the water to eliminate cable strain caused by excessive bouncing.

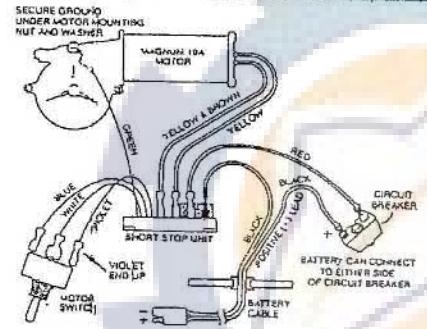
The two critical elements to accomplish this, other than the Short Stop unit itself, are the conductive rubber cable contact that completes the electrical circuit from the Short Stop to the cable, and the trolling weight insulator which enables the motor to stop with the weight still in the water.

**NOTE** — When changing cable be sure only a sixteenth of an inch ( $1/16$ ) of the conductive rubber contacts is extending above the hub. This ensures that it is touching the set screw at bottom of hole and will complete the circuit when cable is rewound.



## The Short Stop System includes:

- |   |                                       |
|---|---------------------------------------|
| 1 Short Stop Electronic Unit 2200924    | 2 Insulators with Clip Assembly C2761 |
| 1 3-Position Motor Switch C2765         |                                       |
| 1 Conductive Rubber Cable Contact C2745 |                                       |



## Operating Your Short Stop Downrigger

**Raising Weight.** Push motor switch upward momentarily and release. Downrigger will raise weight until it reaches surface of water, then automatically stop.

If you want to raise weight further after it stops, push switch upward and hold it until weight reaches desired position, then release.

To stop weight during ascent push motor switch downward momentarily and release.

**Lowering Weight.** Push motor switch downward and hold it until weight reaches desired depth, then release.

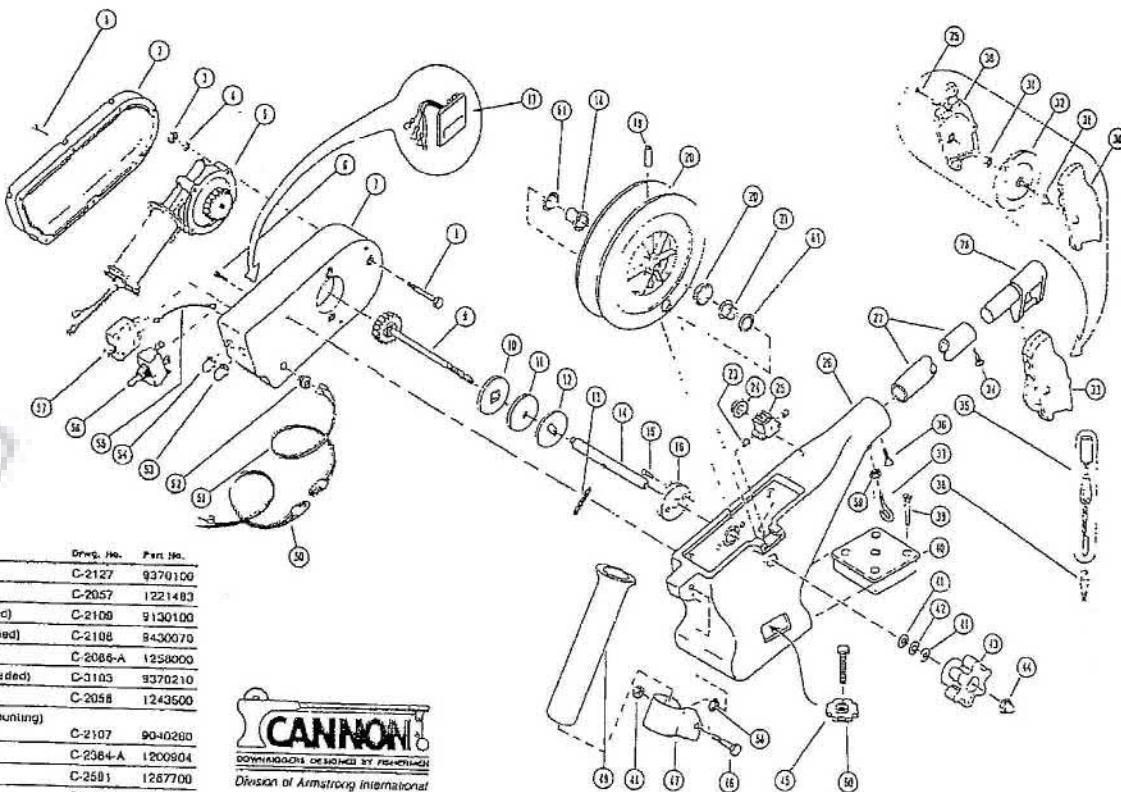
## Trouble Shooting

**Problem:** Up down will not work.  
**Solution:** Check battery polarity.

**Problem:** Unit fails down when pushing switch up.  
**Solution:** a. Make sure violet wire is on top side of switch.  
b. If problem still exists, interchange yellow/brown and yellow wires on short stop module.

**Problem:** Unit fails to continue running up after pressing up switch, while cable is still in water.

**Solution:** a. Check green wire connection.  
b. Boat must have ground (negative from battery) to water, through engine drive; lower unit or metal boat.  
c. Check for properly installed conductive rubber.



Key No.	Part Name	Drug. No.	Part No.
1.	Screw — motor cover (7 needed)	C-2127	9370100
2.	Cover — motor	C-2057	1221483
3.	Nut 1/4-20 hex (motor bolt 3 needed)	C-2109	9130100
4.	Washer 1/4 lock (motor bolt 3 needed)	C-2108	9430070
5.	Motor and gear unit assembly	C-2085-A	1258000
6.	Screw 1/4 x 1" wash hex. no. (3 needed)	C-3103	9370210
7.	Housing — motor	C-2058	1243600
8.	Bolt 1/4-20 x 2 1/4 hex. hd. (motor mounting) (3 needed)	C-2107	9040280
9.	Shaft assembly — drive	C-2384-A	1200904
10.	Plate — clutch (to drive shaft)	C-2501	1287700
11.	Pad — clutch	C-2200	1264670
12.	Plate — clutch (for clutch shaft)	C-2273	1287701
13.	Screw 5/16-18 x 1" set (half dog point)	C-2285	93-10130
14.	Shaft — rod	C-2377-1	1280755
15.	Screw #8 x 5/8 pan hd. phil.	C-2382	9370070
16.	Guide — motor housing	C-2373	1237583
17.	Short stop electronic unit	C-2722-A	2200924
18.	Bearing — shaft (motor side)	C-2639	9010040
19.	Plug — conductive rubber	C-2745	9070500
20 & 21.	Reel & gear assembly cable	C-2300-A	0274000
21.	Gear only — cable reel	C-2026	0233580
22.	Bearing — shaft (motor side)	C-2024	9010010
23.	Pad — lever (depth meter 2 needed)	C-2893	0851854
24.	Gear only — depth meter	C-2027	08533561
24 & 25.	Meter assembly — depth	C-2716-A	0220126
26.	Body (black)	C-2721-A	0800598
27.	Boom for 18 inch	C-2912	2290017
	42 inch	C-2913	2290018
	66 inch	C-2914	2290019
27 & 28.	Boom & head assembly 18 inch	C-2710-AK	2250364
	42 inch	C-2711-AK	2250368
	66 inch	C-2712-AK	2250356
28.	Head — boom	C-2701	2216403
29.	Screw 14 x 1/4 pan hd. (swivel head 6 needed)	C-2154	9370010

Key No.	Part Name	Drug. No.	Part No.
30.	Plate — side (left)	C-2039-L	0230545
	Plate — side (right)	C-2038-R	0230546
31.	Bearing — pulley wheel (2 needed)	C-2042	9010070
32.	Pulley wheel — swivel head	C-2353	0269726
33.	Swivel head assembly	C-2043-AK	2250135
34.	Screw #8 x 5/8 pan hd.	C-2382	9370070
35.	Cushion swivel kit	C-2191-AK	2250140
36.	Screw V-10 x 1/4 rd. hd. phil.	C-2999	9280750
37.	Hook — ball V-20 hd.	C-2526	9040040
36.	Insulator/snap isolator (short stop)	C-2761-A	2200148
39.	Screw 5/16 x 2" in/s4 hd. (4 needed)	C-2760	9280720
40.	Base — mounting	C-2001-A	1007334
41.	Race — thrust bearing (2 needed)	C-2890	9010310
42.	Bearing thrust	C-2688	9010280
43.	Knob — clutch	C-2386-A	1249915
44.	Nut — acorn	C-2013	9130330
45.	Knob — base lock	C-2485	0849615
46.	Bolt 5/16-18 x 1 3/4 hex hd (rod holder)	C-2034	9040310
47.	Clamp — rod holder	C-2183-1	2419470
48.	Nut 5/16-18 hex (rod holder clamp)	C-2240	9130190
49.	Tube — rod holder	C-2003	0290796
50.	Cable — battery end	C-2101-A	1215392

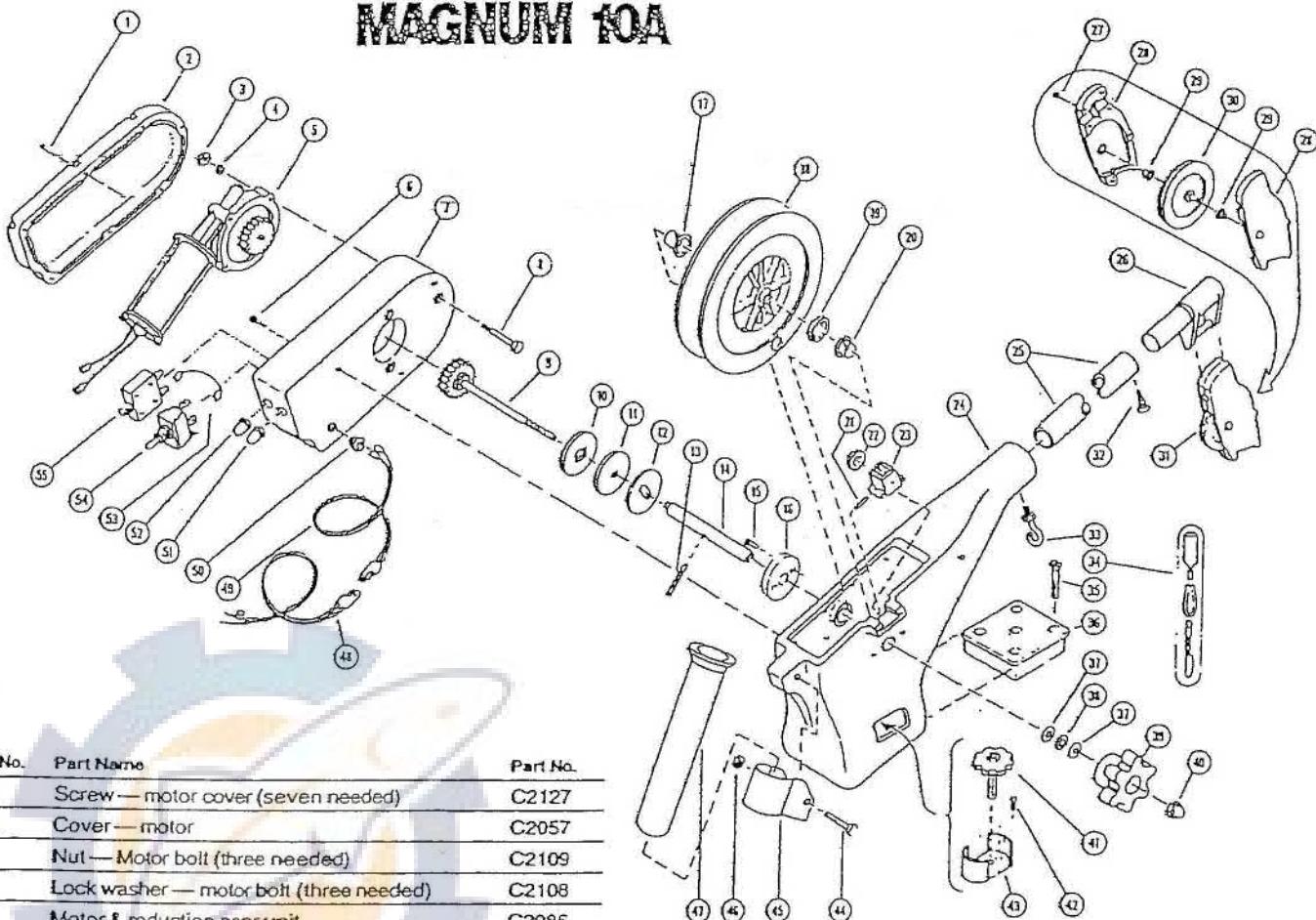
**Caution:** Use Inox head screw only.  
14" Inox head screw accessory no. C-2778-AK; 2250154

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Form No. 128105C

CANNON / S & K Products, Inc.  
1732 Glade Street  
Muskegon, Michigan 49441

# MAGNUM 10A

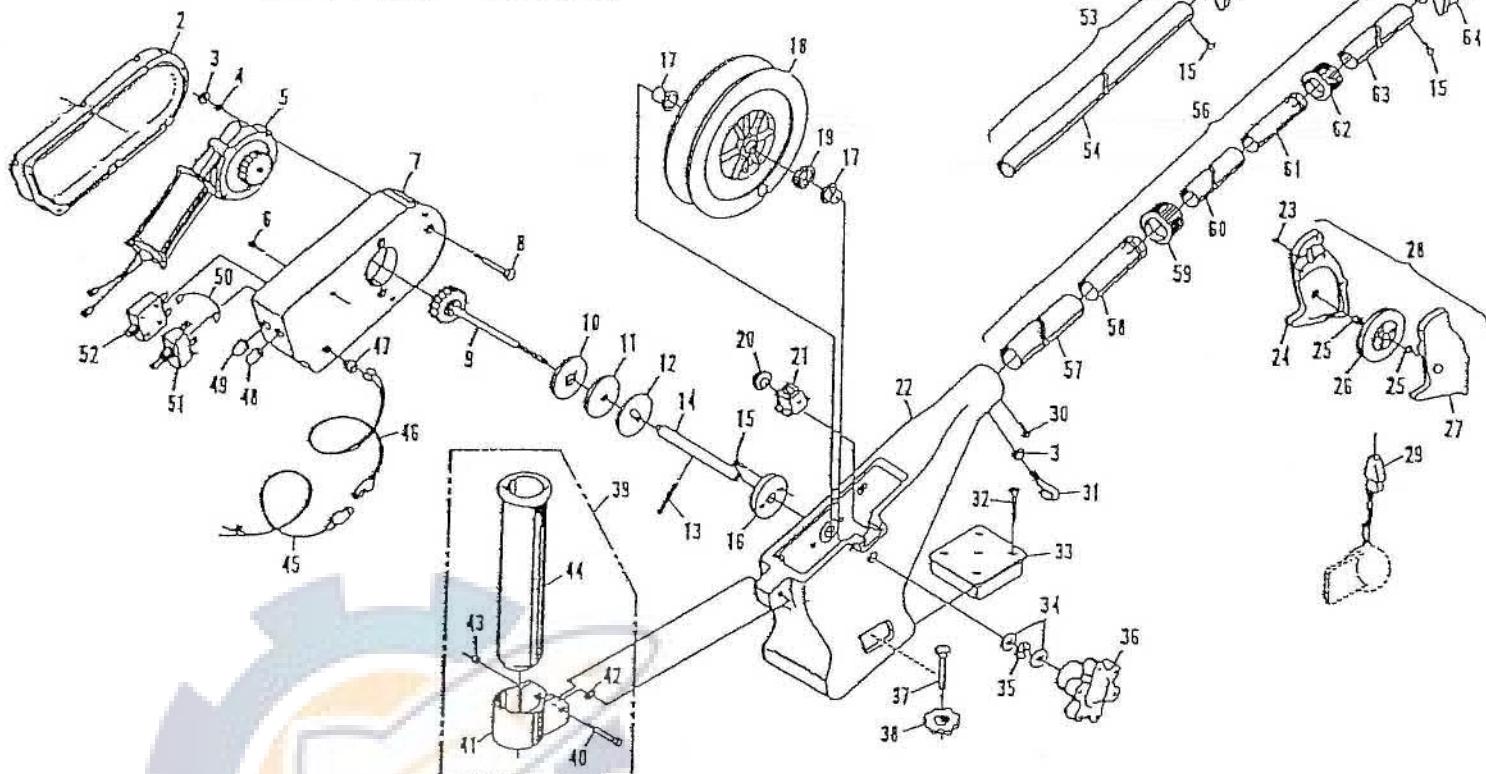


Key No.	Part Name	Part No.
1.	Screw — motor cover (seven needed)	C2127
2.	Cover — motor	C2057
3.	Nut — Motor bolt (three needed)	C2109
4.	Lock washer — motor bolt (three needed)	C2108
5.	Motor & reduction gear unit	C2086
6.	Screw — motor housing (three needed)	C2114
7.	Housing — motor	C2056
8.	Bolt for mounting motor (three needed)	C2107
9.	Drive shaft assembly	C2384A
10.	Clutch plate for drive shaft	C2581
11.	Clutch pad	C2290
12.	Clutch plate for clutch shaft	C2273
13.	Set screw (half-dog 5/16-18 x 1")	C2285
14.	Clutch shaft	C2377
15.	Screw — motor housing guide (two needed)	C2020
16.	Guide — motor housing	C2373
17.	Bearing — clutch shaft (motor side)	C2639
18 & 19.	Cable reel assembly	C2300A
19.	Gear only — cable reel	C2026
20.	Bearing — clutch shaft (meter side)	C2024
21.	Tension pad — depth meter	C2255
22.	Gear only — depth meter	C2027
22 & 23.	Depth meter assembly	C2025A
24.	Body	C2007A
25.	Boom for 24-inch 48-inch 72-inch	C2769 C2770 C2771
25 & 26.	Boom & head assembly for 24-inch 48-inch 72-inch	C2887A C2888A C2889A
26.	Boom head	C2701
27.	Screw — swivel head (six needed)	C2184
28.	Side plates — swivel head (pair)	C2038R-L
29.	Bearing — pulley wheel (two needed)	C2042
30.	Pulley wheel — swivel head	C2353
31.	Swivel head assembly	C2043A
32.	Screw	C2382

Key No.	Part Name	Part No.
34.	Cushion swivel kit	C2191A
35.	Trus head screw (four needed)	C2760
36.	Base — mounting	C2001
37.	Race — thrust bearing (two needed)	C2690
38.	Thrust bearing	C2689
39.	Knob — clutch	C2386A
40.	Nut — acorn	C2019
41.	Wheel and stud — base locking	C2083A
42.	Screw — base locking guide (two needed)	C2020
43.	Guide — base locking	C2431
44.	Bolt — rod holder clamp (5/16-18 x 1 3/4")	C2034
45.	Clamp — rod holder	C2183
46.	Nut — rod holder clamp (5/16-18)	C2240
47.	Tube — rod holder	C2033
48.	Cable — battery end	C2101
49.	Cable — motor end	C2125
50.	Grommet — strain relief	C2126
51.	Boot — motor switch	C2229
52.	Boot — circuit breaker	C2195
53.	Wire — switch connecting	C2102
54.	Switch — motor	C2112
55.	Circuit breaker	C2113

\*Caution: Use trus head screw only.  
(4" trus head screw accessory no. C2776)

# MAG 10A



Key No.	Part Name	Part No.
1.	Screw #8 x 7/8 Pan Hd. (7 needed)	9370100
2.	Cover — Motor	1221483
3.	Nut 1/4-20 Hex (4 needed)	9130100
4.	Washer 1/4 Lock (3 needed)	9430070
5.	Motor & Reduction Gear Unit	1258000
6.	Screw 1/4 x 1 Hex Wash Hd (3 needed)	9370210
7.	Housing — Motor	1243600
8.	Bolt 1/4-20 x 2-3/4 Hex Hd (3 needed)	9040200
9.	Shaft Assembly — Drive	1280001
10.	Plate — Drive	0687696
11.	Ped — Clutch	1284670
12.	Plate — Clutch	0467695
13.	Screw 5/16-18 x 1 Set (Half Dog)	9340130
14.	Shaft — Reel	1280002
15.	Screw #8 x 5/8 Pan Hd. (3 needed)	9370070
16.	Guide — Motor Housing	1237583
17.*	Bearing — Nylon Keyed (2 needed)	9010001
18.	Reel — Assembly	0274000
19.	Bear — (Only) Reel	0233560
20.	Gear (Only) Depth Meter	0833561
21.	Motor Assembly — Depth	0220126
22.	Frame Assembly — Main (Includes: Frame, Lock Knob and Bolt, Ball Hook & Nut, and Boom Locking Screw)	0930001
	Screw #4 x 1/2 Pan Hd (2 needed)	9370010
	Plate — Side (Left)	0267002

Key No.	Part Name	Part No.
25.	Bearing — Brass (2 needed)	8010070
26.*	Pulley — Cable	0269726
27.	Plate — Side (Right)	0267001
28.	Swivel Head Assembly (Packaged)	2250135
	Swivel Head Assembly (Unpackaged)	0200135
29.	Terminator (Packaged)	2250141
30.	Screw 1/4-20 x 3/4 Rd. Hd.	9280750
31.	Hook Ball (1/4-20 Thread)	8040040
32.	Screw 1/4-20 x 2" Truss Hd. (Pkg. of 4)	2250150
33.	Base — Mounding	1007334
34.	Pace — Bearing (2 needed)	8010030
35.*	Bearing — Thrust	9010280
36.	Knob Assembly	0649002
37.	Bolt 3/8-16 x 1-1/2 Hex Hd.	9040340
38.	Knob — Hand	0849615

## ROD HOLDER ASSEMBLY (OPTIONAL)

39.	Rod Holder Assembly (Pkg.)	2150161
40.	Bolt 5/16-18 x 1-3/4 Hex Hd.	9040101
41.	Clamp — Rod Holder	2419470
42.	Washer 5/16 InvEnd Lock	9430160
43.	Nut 5/16-18 Hex	9130190
44.	Tube — Rod Holder	0290796
45.	Cable — Battery End Power	1215392
46.	Cable — Motor End Power	1215393

Key No.	Part Name	Part No.
47.	Grommet — Strain Relief	1235575
48.	Boot — Motor Switch	1221490
49.	Boot — Circuit Breaker	1221491
50.	Wire — Switch Connecting	1296830
51.	Switch — Motor	1286787
52.	Circuit Breaker	1212386

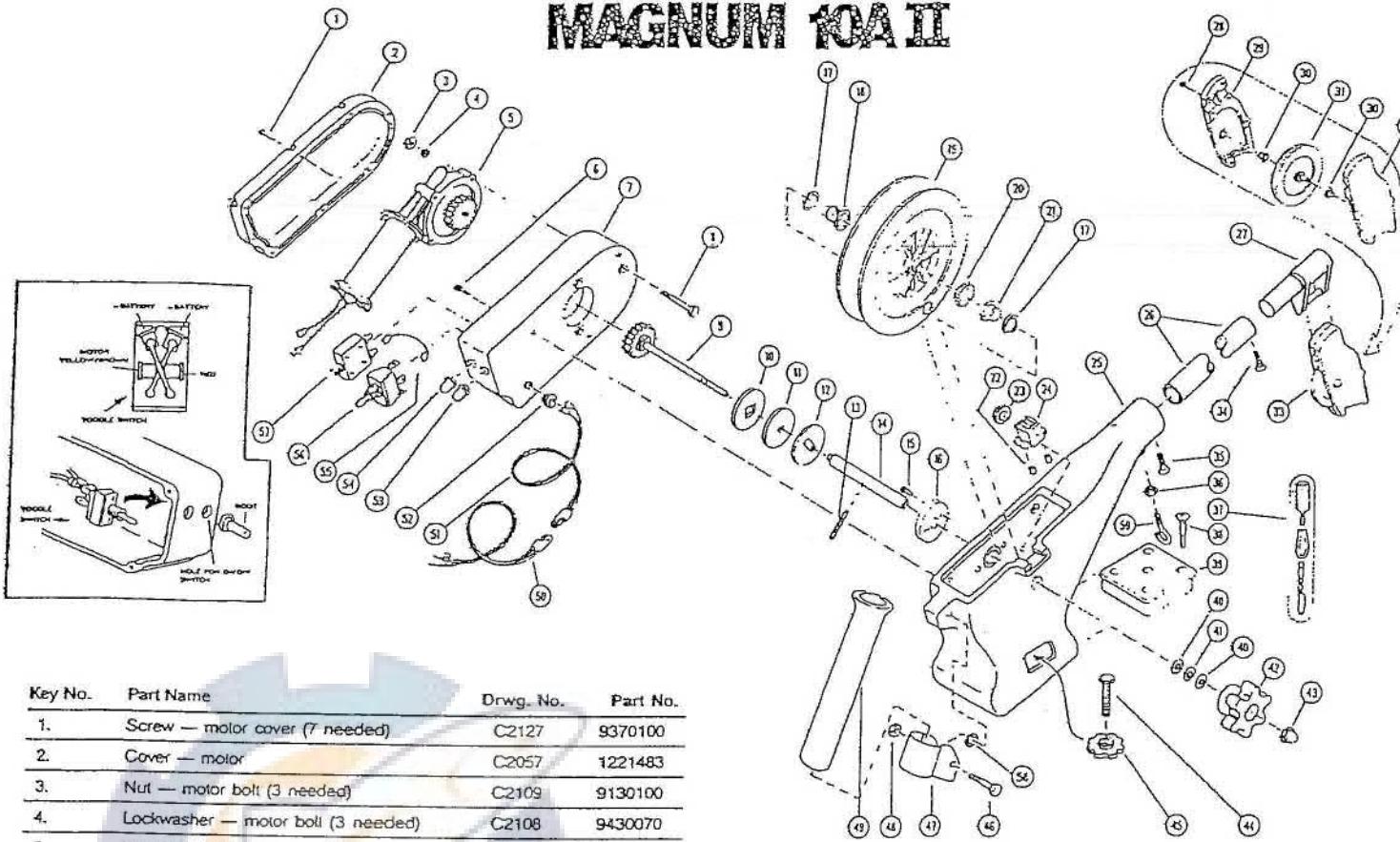
## BOOM ASSEMBLY 2 FT. (OPTIONAL)

63.	Boom Assembly 2 FL (Pkg.)	2250364
64.	Boom 2 FL	2290817
65.	End — Boom	2216403

## BOOM ASSEMBLY TELESCOPIC (OPTIONAL)

56.	Boom Assembly Telescopic (Pkg.)	2210020
57.	Tube — Boom Base	2290628
58.	Collar — Base Tube	2222620
59.	Clamp — Base Tube	2219820
60.	Tube — Boom Intermediate	2290829
61.	Collar — Intermediate Tube	2222821
62.	Clamp — Intermediate Tube	2219821
63.	Tube — Boom End	2290830
64.	End — Boom	2227820
65.	Cable Replacement 200 FL	2215393

# MAGNUM 10A II



Key No.	Part Name	Drwg. No.	Part No.
1.	Screw — motor cover (7 needed)	C2127	9370100
2.	Cover — motor	C2057	1221483
3.	Nut — motor bolt (3 needed)	C2109	9130100
4.	Lockwasher — motor bolt (3 needed)	C2108	9430070
5.	Motor & reduction gear unit	C2086A	1258000
6.	Screw — motor housing (3 needed)	C3103	9370210
7.	Housing — motor	C2056	1243600
8.	Bolt for mounting motor (3 needed)	C2107	9040280
9.	Drive shaft assembly	C2384A	1200904
10.	Clutch plate for drive shaft	C2581	1267700
11.	Clutch pad	C2290	1264670
12.	Clutch plate for clutch shaft	C2273	1267701
13.	Set screw (half-dog $\frac{5}{16}$ -18 x 1")	C2285	9340130
14.	Clutch shaft	C2377	1280755
15.	Screw — motor housing guide (2 needed)	C2382	9370070
16.	Guide — motor housing	C2373	1237583
17.	Spacer (2 needed)	C2875	9430210
18.	Bearing — clutch shaft (motor side)	C2639	9010040
19.	Cable reel	C2300	0274000
20.	Gear — cable reel	C2026	0233560
21.	Bearing — clutch shaft (meter side)	C2024	9010010
22.	Tension pad — depth meter (2 needed)	C2893	0854654
23.	Gear only — depth meter	C2027	0633561
23. & 24.	Depth meter assembly	C2716A	0220126
25.	Body — white	C2721W	1000535
	Body — black	C2721B	0600536
26.	Boom for 18-inch	C2769	2290814
	42-inch	C2770	2290815
	66-inch	C2771	2290816
26. & 27.	Boom & head assembly for 18-inch	C2887AK	0650372
	42-inch	C2888AK	0650373
	66-inch	C2889AK	0650374
27.	Boom head	C2701	2216403
28.	Screw — swivel head (6 needed)	C2184	9370010
29.	Side plate — left	C2038L	0230545
30.	Bearing — pulley wheel (2 needed)	C2042	9010070
31.	Pulley wheel — swivel head	C2353	0269726
32.	Side plate — right	C2039R	0230546
33.	Swivel head assembly	C2043AK	2250135
34.	Screw	C2382	9370070

Key No.	Part Name	Drwg. No.	Part No.
35.	Phillips screw ( $\frac{1}{4}$ -20 x $\frac{3}{4}$ ")	C2999	9280750
36.	1/4-20 Hex Nut	C2109	9130100
37.	Cushion swivel kit	C2191AK	2250140
38.	*Truss head screw (4 needed)	C2760	9280720
39.	Base — mounting	C2001A	1007334
40.	Race — thrust bearing (2 needed)	C2690	9010310
41.	Thrust bearing	C2689	9010280
42.	Knob clutch	C2386A	1249916
43.	Nut — acorn	C2019	9130330
44.	Bolt (3/8-16 x 1-1/2)	C2004	9040340
45.	Lock down wheel	C2465	0849615
46.	Bolt — rod holder clamp ( $\frac{3}{16}$ -18 x $1\frac{3}{4}$ ")	C2034	9040310
47.	Clamp — rod holder	C2183-1	2419470
48.	Nut — rod holder clamp ( $\frac{5}{16}$ -18)	C2240	9130190
49.	Tube — rod holder	C2033	0290796
50.	Cable — battery end	C2101A	1215392
51.	Cable — motor end	C2125A	1215393
52.	Grommet — strain relief	C2126	1235575
53.	Boot — motor switch	C2229K	2250490
54.	Boot — circuit breaker	C2195K	2250491
55.	Wire — switch connecting	C2102	1296830
56.	Switch — motor	C2112K	2250767
57.	Circuit breaker	C2113K	2250386
58.	Washer — 3/8 Star	C2398	9430160
59.	Hook — Ball	C2526	9040040

\*Caution: Use truss head screw only.  
(4" truss head screw accessory no. 2250154)

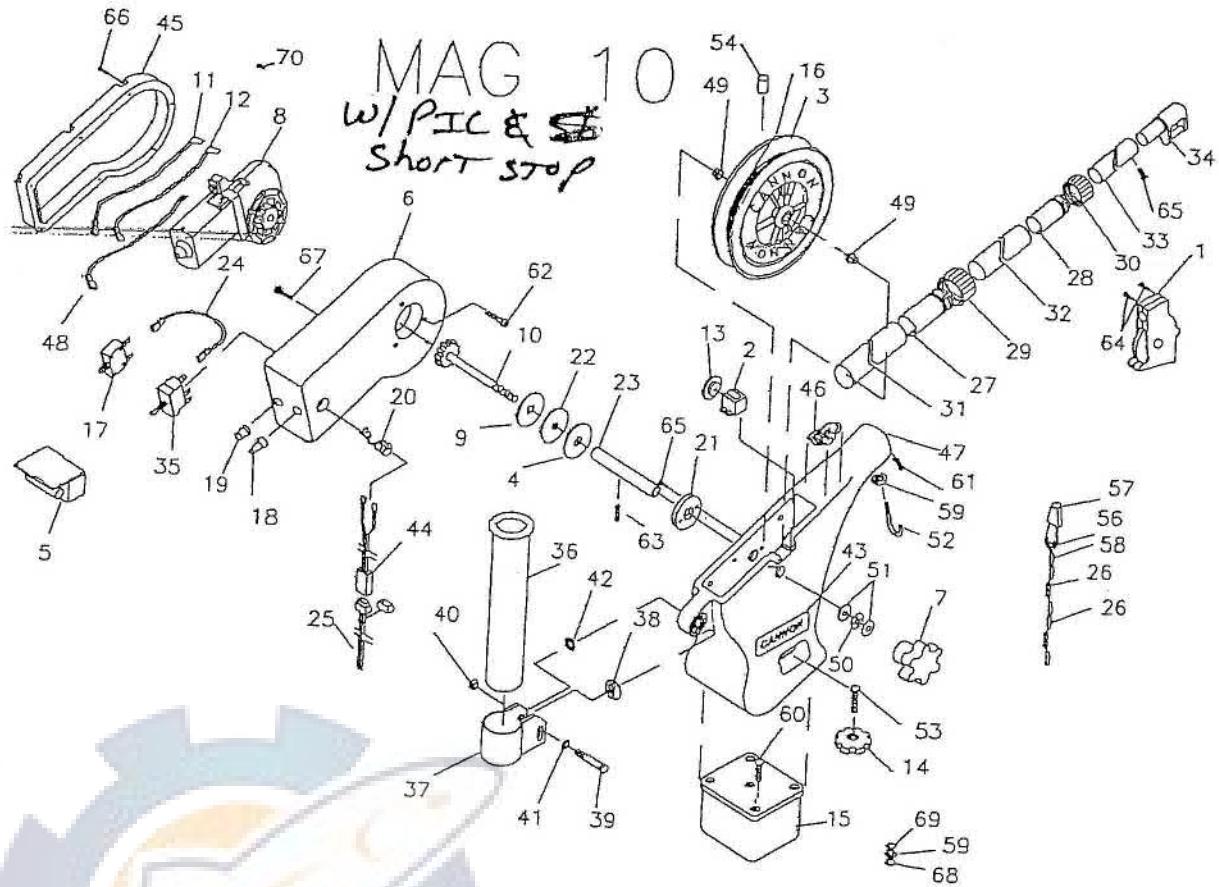
Any tackle dealer may order service parts. Check with your local dealer. For repair service, check listings of our service centers in the catalog or call for information.

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**REEL SCHEMATIC**

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.	KNOB BASE LOCK	1
15.	BASE STD LEXAN	1
16.	CABLE 034 CAMO	200
17.	CIRCUIT BREAK 10A	1
18.	BOOT SWITCH	1
19.	BOOT CIRCUIT BREAK	1
20.	GROMMET POWER CBL	1
21.	MOTOR GUIDE	1
22.	CLUTCH PAD SM HOLE	1
23.	SHAFT REEL	1
24.	SWITCH BREAK JUMPER	1
25.	BATTERY CABLE	1
26.	SNAP & INSULATOR	1
EXP BOOM TELESCOPIC		2
27.	*CLAMP BASE TUBE	1

ITEM	DESCRIPTION	QTY
28.	*CLAMP INTER. TUBE	1
29.	*COLLET BASE	1
30.	COLLET INTER.	1
31.	*BOOM BASE	1
32.	*BOOM INTER	1
33.	*BOOM END TUBE	1
34.	+BOOM END TELE	1
35.	SWITCH SHORTSTOP	1
EXP ASY ROD HOLDER		1
36.	*TUBE ROD HOLDER	1
37.	*CLAMP ROD HOLDER	1
38.	*OBOUND DISC	1
39.	*BOLT 5/16-18X2	1
40.	*NUT 5/16-18 HEX	1
41.	*WAS 5/16 FLAT	1
42.	*WAS 5/16 INT/EXT	1
43.	EMBLEM 1X4 LG	2
44.	POWER CABLE	1
45.	MOTOR COVER	1
46.	NOSE EMBLEM MAG10	1
47.	FRAME LARGE	1
48.	WIR SHORTSTOP	1
49.	NYLINER KEYED	2
50.	TORQUE TRANS	1
51.	BEARING RACE TORO	2
52.	BOLT 1/4-20 HOOK	1
53.	BOLT 3/8-16X1 1/2	1
54.	SHORTSTOP SPRING SS1	1

ITEM	DESCRIPTION	QTY
55.	CON LEADER SLEEVE	1
56.	TERMINATOR	1
57.	CUSHION TERMINATOR	1
58.	SNAP SWIVEL	1
59.	NUT 1/4-20 HEX	5
60.	SCREW 1/4-20X4	4
61.	SCREW 1/4-20X3/4	1
62.	SCREW 6MMX30MM	3
63.	SET 5/16 1 1/2 DG	1
64.	SCREW #4X1/2	3
65.	SCREW #8X5/8	3
66.	SCREW #8X7/8	7
67.	SCR 1/4X1 WSH HD	3
68.	WAS 1/4 FLAT	4
69.	WAS 1/4 LOCK	4
70.	SCREW #12X3/8	1

# MAG 10 w/ PIC & Short Stop

ITEM #	PART DESCRIPTION	PART #	QTY	ITEM #	PART DESCRIPTION	PART #	QTY
1	ASY SWIVEL HEAD	0200135	1	43	EMBLEM 1X4 LG	3327003	2
2	METER 3 DIGIT	0220477	1	44	POWER CABLE	4415004	1
3	ASY REEL 7 1/2"	0274000	1	45	MOTOR COVER	4421001	1
4	REEL PLATE CLUTCH	0467695	1	46	NOSE EMBLEM MAG10	4427003	1
5	ASY PCB MAG 10	050174	1	47	FRAME LARGE	5530030	1
6	HSG MOTOR	0643602	1	48	WIR SHORTSTOP	609130	1
7	KNOB BREAK ADJ	1249918	1	49	NYLINER KEYED	9010001	2
8	MOTOR MMA	0858662	1	50	TORQUE TRANS	9010280	1
9	PLATE DRIVE SHAFT	0857696	1	51	BEARING RACE TORQ	9010310	2
10	SHAFT DRIVE	0880002	1	52	BOLT 1/4-20 HOOK	9040040	1
11	WIRE BLACK	0890000	1	53	BOLT 3/8-18X1 1/2	9040340	1
12	WIRE YELLOW	0890001	1	54			
13	GEAR COUNTER	0833561	1	55	CON LEADER SLEEVE	9100070	1
14	KNOB BASE LOCK	0849815	1	56	TERMINATOR	9100100	1
15	BASE STD LEXAN	1007334	1	57	CUSHION TERMINATOR	9100101	1
16	CABLE .034 CAMO	1015391	200	58	SNAP SWIVEL	9100520	1
17	CIRCUIT BREAK 10A	1212386	1	59	NUT 1/4-20 HEX	9150100	5
18	BOOT SWITCH	1221480	1	60	SCREW 1/4-20X4	9280730	4
19	BOOT CIRCUIT BREAK	1221481	1	61	SCREW 1/4-20X3/4	9280750	1
20	GROMMET POWER CBL	1235578	1	62	SCREW 6mmx30mm	9310010	3
21	MOTOR GUIDE	1237563	1	63	SET 5/16-18X1 3/4	9340131	1
22	CLUTCH PAD SM HOLE	1264870	1	64	SCREW #4X1 1/2	9370010	3
23	SHAFT REEL	1280002	1	65	SCREW #8X5/6	9370070	3
24	SWITCH BREAK JUMPER	1296831	1	66	SCREW #8X7/8	9370100	3
25	BATTERY CABLE	1415072	1	67	SCR 1/4X1 WSH HD	9370210	3
26	SNAP & INSULATOR	2200148	2	68	WAS 1/4 FLAT	9430040	4
EXP	BOOM TELESCOPIC		1	69	WAS 1/4 LOCK	9430070	4
27	*CLAMP BASE TUBE	2222824	1	70	SCREW #12X3 1/8	9370130	1
28	*CLAMP INTER. TUBE	2222825	1	71			
29	*COLLET BASE	2219822	1	72			
30	*COLLET INTER.	2219823	1	73			
31	*BOOM BASE	2290828	1	74			
32	*BOOM INTER.	2290829	1	75			
33	*BOOM END TUBE	2290830	1	76			
34	*BOOM END TELE	2227820	1	77			
35	SWITCH SHORTSTOP	2288792	1	78			
EXP	ASY ROD HOLDER		1	79			
36	*TUBE ROD HOLDER	0290796	1	80			
37	*CLAMP ROD HOLDER	3319005	1	81			
38	*OBROUND DISC	3325002	1	82			
39	*BOLT 5/16-18X2	9040310	1	83			
40	*NUT 5/16-18 HEX	9130190	1	84			
41	*WAS 5/16 FLAT	9430101	1	85			
42	*WAS 5/16 INT/EXT	9430160	1	86			