

THIS DOCUMENT AND THE DATA DISCLOSED HEREIN IS HEREBY RELEASED IN FULL TO THE PUBLIC BY THE NATIONAL ARCHIVES AND RECORDS ADMINISTRATION. THE INFORMATION CONTAINED HEREIN IS UNCLASSIFIED AND IS BEING RELEASED WITHOUT THE PERMISSION OF ACR.

8

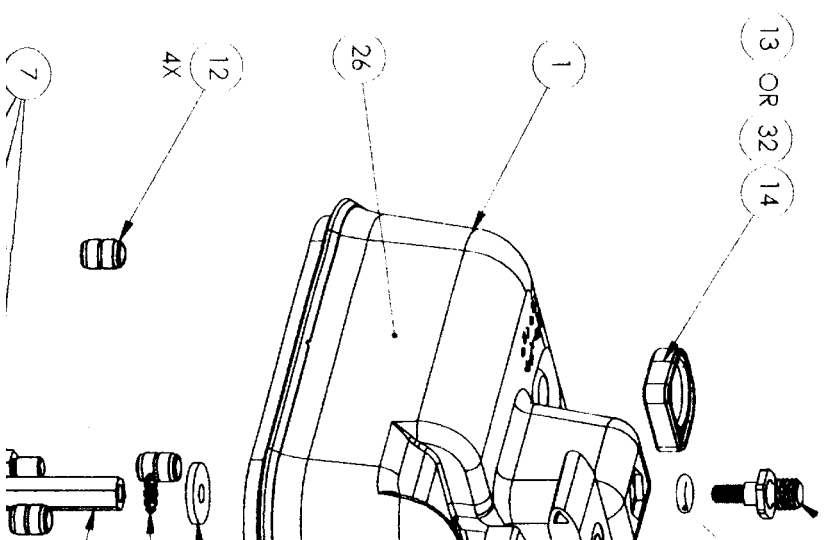
/

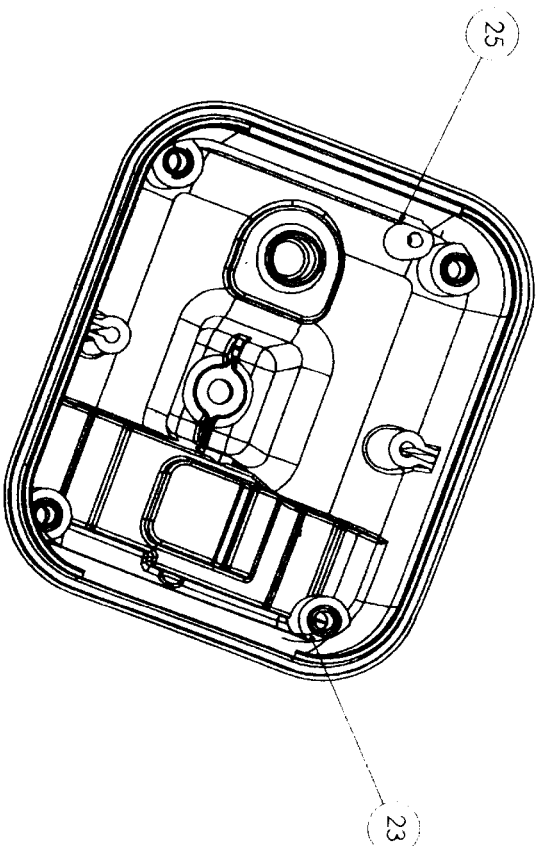
6

5

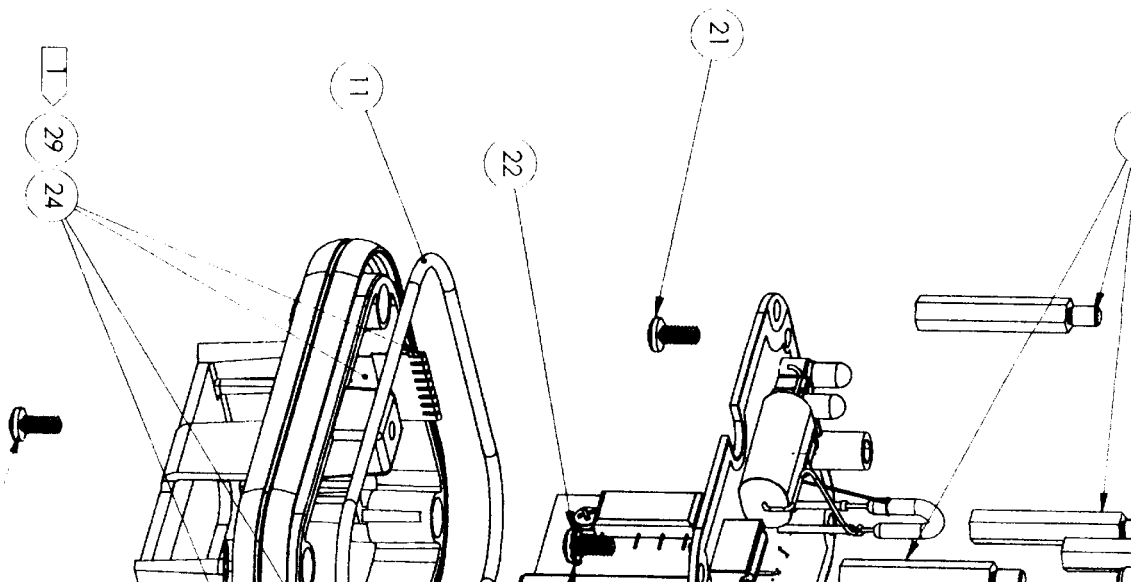
NOTES:

- 1. USE FISHPAPER WHEN SOLDERING ITEMS (24) CONTACT STRIP TOGETHER, TO PREVENT SCORCHING OF PLASTIC.





TAPE DETAIL
(COMPONENTS REMOVED FOR CLARITY)



A

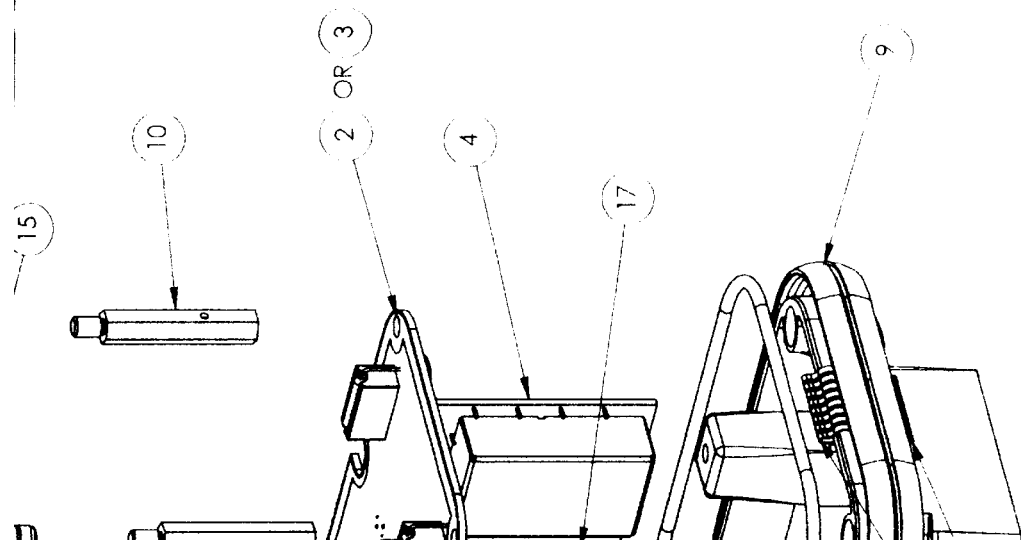
B

8

7

6

5



A/R	QTY	REV	ESC'D NO	REASON FOR CHANGE	DATE	BY	CHK'D	DESCRIPTION	MATERIAL & SPECIFICATION
A/R	32							CEMENT, WELD ON 4707	
A/R	31							LUBRICANT, SILICONE	
1	1	30						O-RING	
A/R	29							SOLDER	
1	1	27						LABEL, WARNING	
1	1	26						LABEL, ILLUSTRATION	
1	1	25						TAPE, ALUMINUM, DIE-CUT, CORNER, NOTCHED	
4	4	24						CONTACT STRIP, 8 FINGERS	
1	1	23						TAPE, ALUMINUM, DIE-CUT	
1	1	22						SCREW, PN HD, #6-32, 5/16 LG	
3	3	21						SCREW, .312 X .138 SELF-TAPPING, PN HD	
1	1	20						SPRING, SWITCH	
1	1	19						RETAINING RING	
1	1	18						PIN SWITCH	
2	2	17						WASHER, EXTERNAL TOOTH, #6	
1	1	16						WASHER, S/S	
1	1	15						STANDOFF, HEX	
1	1	14						BETEL, RLB-32	
1	1	13						BETEL, GPS, RLB-33	
4	4	12						INSERT, BRASS, #8-32	
1	1	11						SEAL RING, RECTANGULAR	
1	1	10						STANDOFF, MALE/FEMALE, HEX, W/VENT HOLE	
1	1	9						BEAUTY RING, RLB-32/33	
1	1	8						ANTENNA, BASE	
3	3	7						STANDOFF, MALE/FEMALE, HEX	
1	1	6						SWITCH, ASSEMBLY, RLB-32	
1	1	5						SWITCH, ASSEMBLY, RLB-33	
1	1	4						TRANSMITTER PCB ASSY, HAND PLACED	
1	1	3						I/O PCB ASSY, HAND PLACED, RLB-32	
1	1	2						I/O PCB ASSY, HAND PLACED, RLB-33	
1	1	1						TOP CASE, RLB-32/33	
1	1	1						TOP CASE, RLB-32/33	
2	2	1						TOP CASE, RLB-32/33	

ACR ELECTRONICS, INC.
 515 S. WILSON AVENUE, SUITE 100, LAUDERDALE FL 33302

TOP CASE ASSY.
 RLB-32/33

REV: D 18560 DATE: 9/15/98

ISSUED BY: [Signature]

APPROVED BY: [Signature]

DATE: 9/15/98

BY: [Signature]

CHK'D: [Signature]

DESCRIPTION: TOP CASE ASSY. RLB-32/33

MATERIAL & SPECIFICATION: [Blank]

UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN INCHES
 DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES: .015

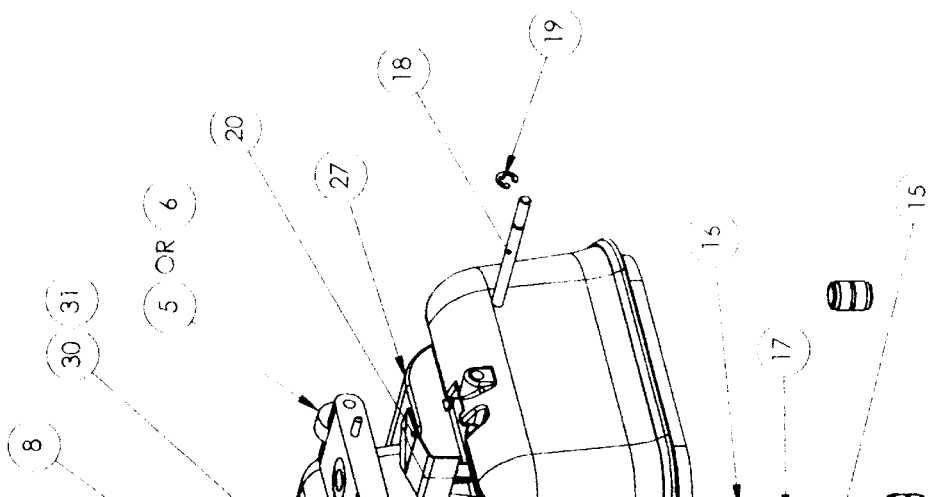
REV	DESCRIPTION	DATE
1	INITIAL	11/84
2	REV 2	11/84
3	REV 3	11/84
4	REV 4	11/84
5	REV 5	11/84
6	REV 6	11/84
7	REV 7	11/84
8	REV 8	11/84
9	REV 9	11/84
10	REV 10	11/84
11	REV 11	11/84
12	REV 12	11/84
13	REV 13	11/84
14	REV 14	11/84
15	REV 15	11/84
16	REV 16	11/84
17	REV 17	11/84
18	REV 18	11/84
19	REV 19	11/84
20	REV 20	11/84
21	REV 21	11/84
22	REV 22	11/84
23	REV 23	11/84
24	REV 24	11/84
25	REV 25	11/84
26	REV 26	11/84
27	REV 27	11/84
28	REV 28	11/84
29	REV 29	11/84
30	REV 30	11/84
31	REV 31	11/84
32	REV 32	11/84

18560 3 4 1

DWG. NO. A3-06-2086-SM 1 REV. 15

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
	T2	UPDATED BOM	11/4/98	L. HALL
	T3	ADDED TAPE DETAIL VIEW	11/5/98	L. HALL
	T4	UPDATED BOM TO ADD LABELS	12/7/98	L. HALL
	T5	UPDATED BOM	3/15/99	L. HALL



DASH NO	DESCRIPTION
-1	GPS (RLB-33)
-2	NON-GPS (RLB-32)

D

C

The present invention relates to a method and apparatus for the detection of a fault in a system. The apparatus includes a sensor for detecting a fault in the system, a processor for processing the signal from the sensor, and a display for displaying the results of the processing. The method includes the steps of detecting a fault in the system, processing the signal from the sensor, and displaying the results of the processing.

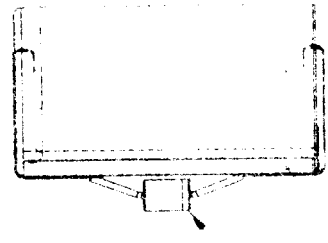


FIG. 1
3X

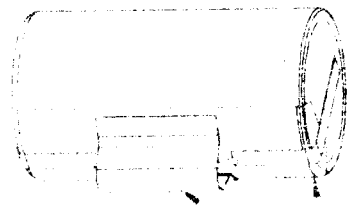


FIG. 2
3X

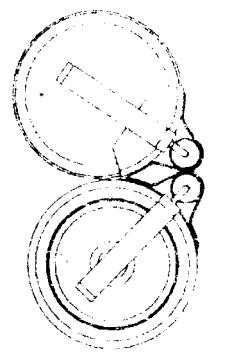


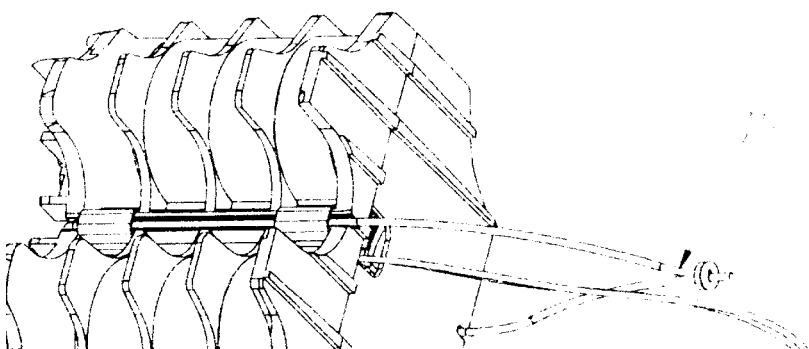
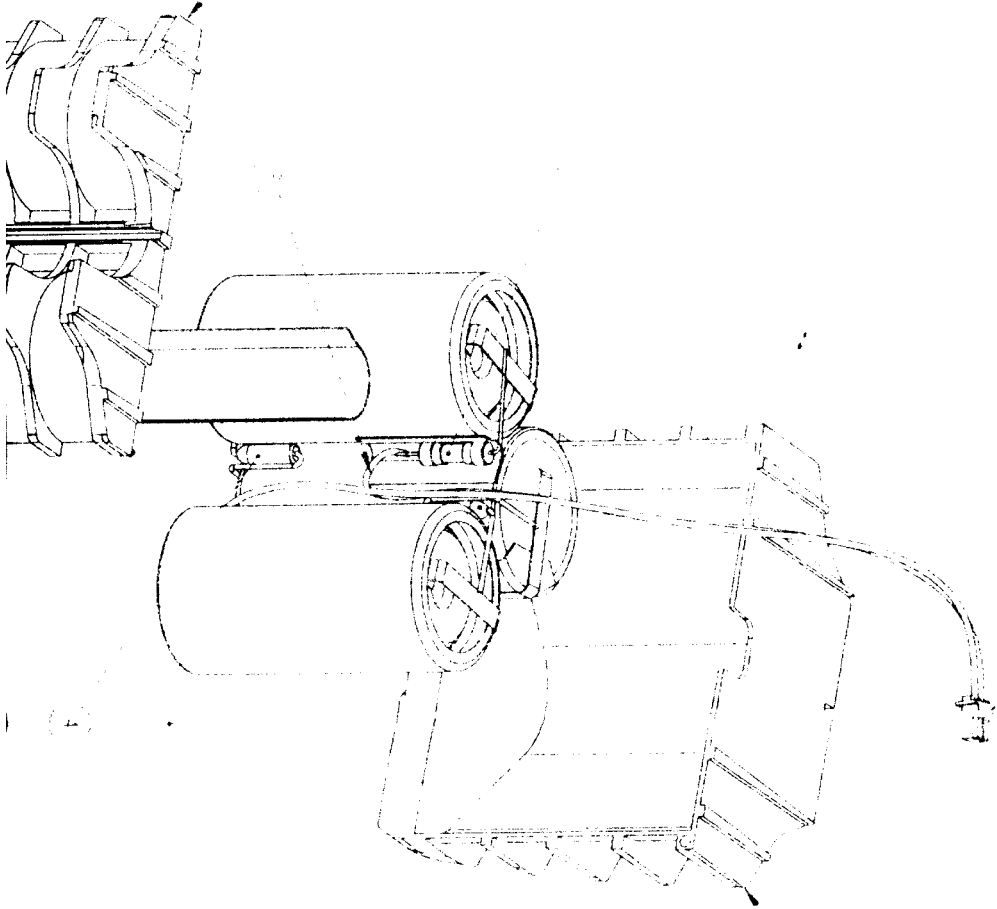
FIG. 3

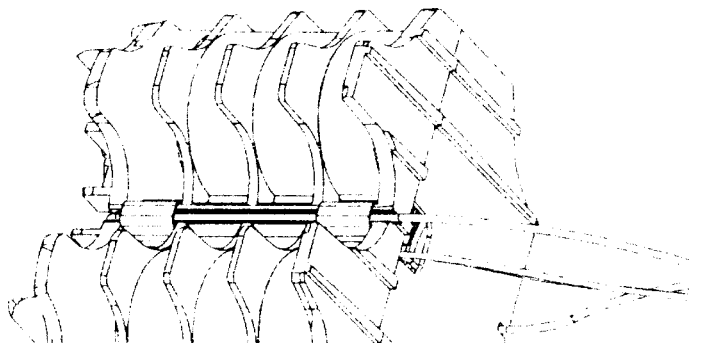
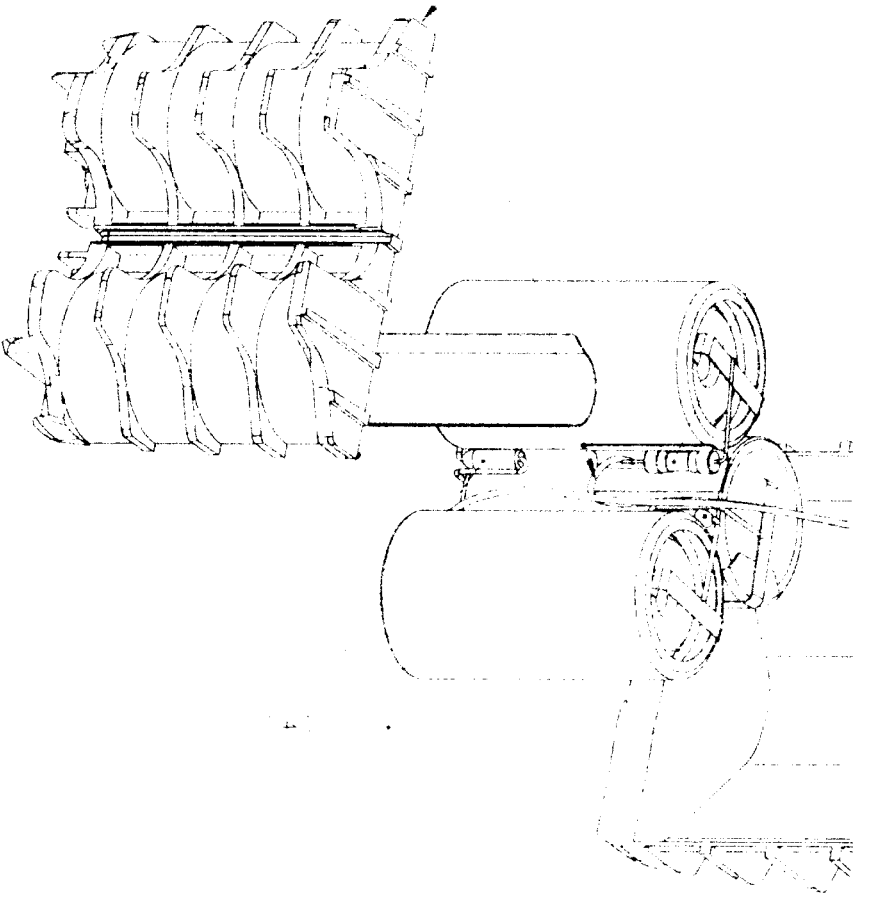
NO.	DESCRIPTION	QTY.	UNIT
1	COVER	1	EA
2	CONTAINER	1	EA
3	HANDLE	1	EA
4	SENSOR	1	EA
5	PROCESSOR	1	EA
6	DISPLAY	1	EA

4

3

2





4

3

A

2

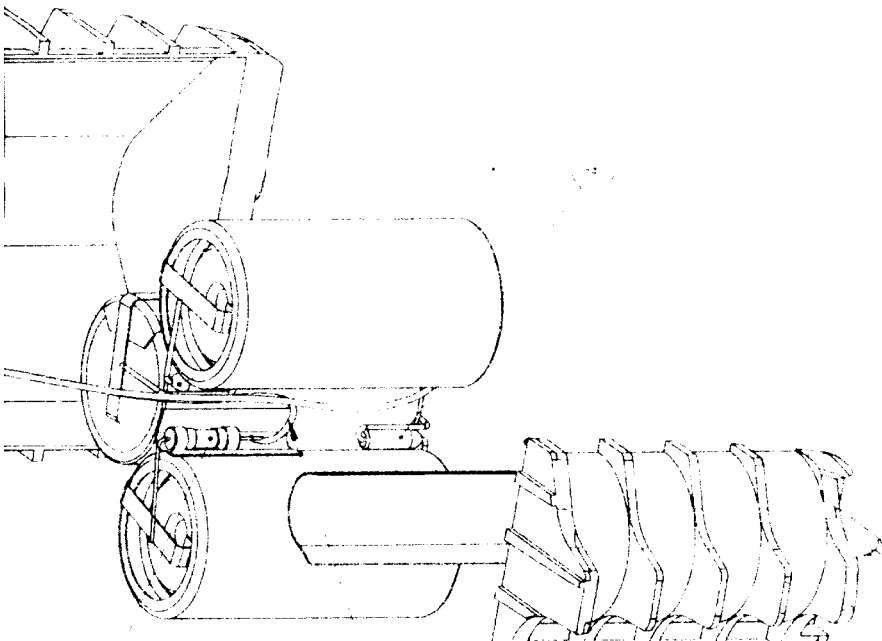
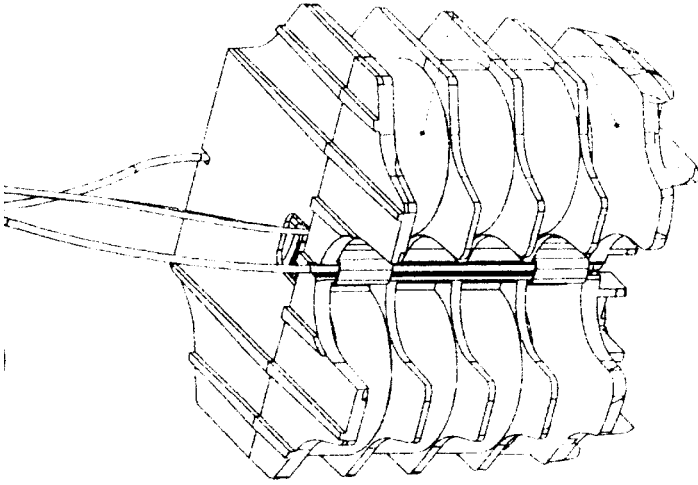
C 18560 A3-06-2067 A

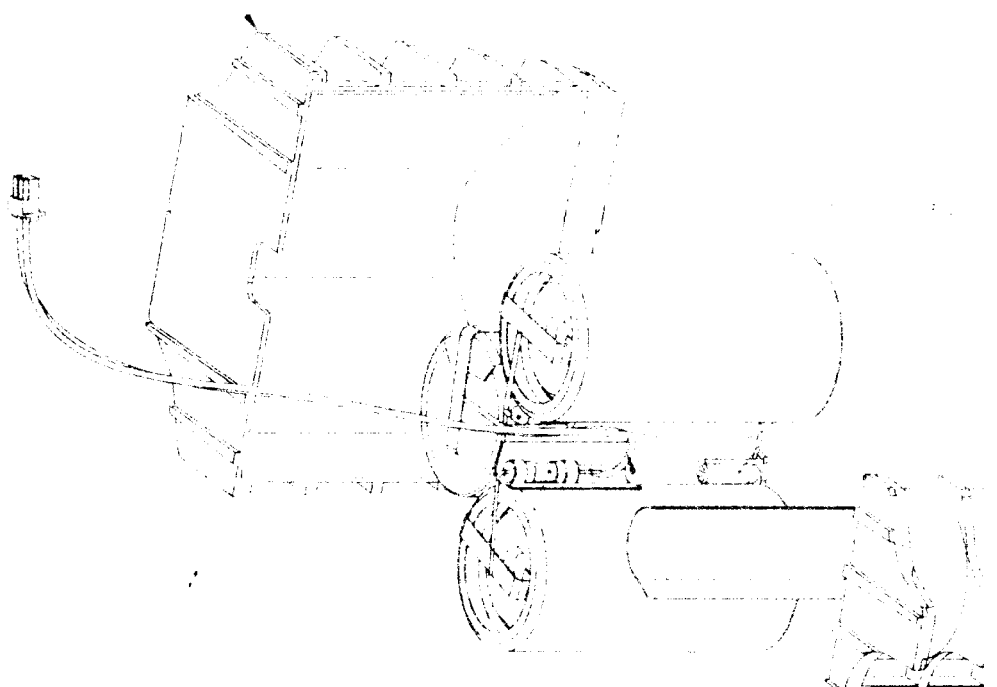
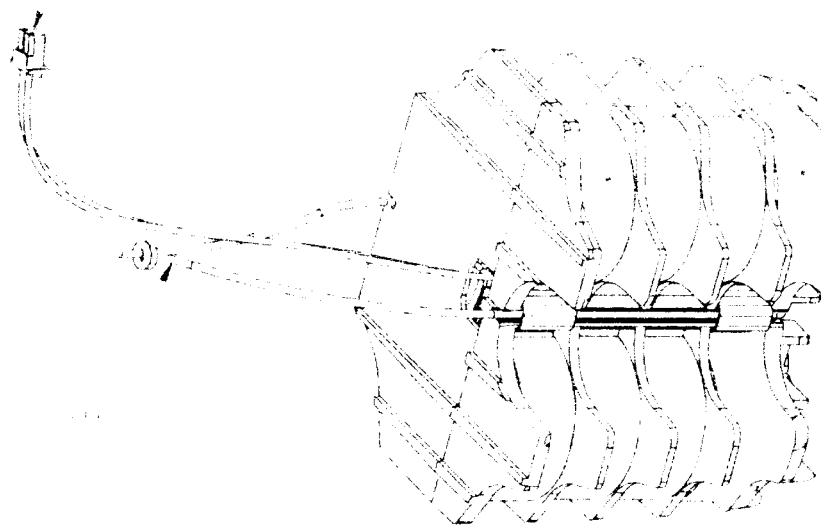
1

2

A

3





2

3

DASH. NO.	DESCRIPTION
1	RLB-32
2	RLB-33

QTY REQD	QTY ITEM	FSC NO	PART OR IDENTIFYING NO	NOMENCLATURE OF DESCRIPTION	MATERIAL & SPECIFICATION
1	1	25	A1-20-0986	LABEL, CAT I BRACKET	
1	1	24	A1-20-0658	HYDROSTATIC REPLACEMENT LABEL	
1	1	23	A1-20-0866	DATING INSTRUCTION, HYDROSTATIC PEL	
1	1	22	A1-20-0976	LABEL RAPIDFIX, ENCAPSULATED LOGO	
1	1	21	A1-20-0975	LABEL SAT. 2 ENCAPSULATED LOGO	
1	1	20	A1-20-0999	LABEL RLB-33, CAT I BRACKET	
1	1	19	A1-20-0997	LABEL RLB-32, CAT I BRACKET	
833FT	833FT	18	A2-05-0023	CORD, NYLON, #2	
1	1	17	A3-06-2110	SAFETY PIN HARNESS	
1	1	16	A1-18-1649	TOP CASE, SEA SHELTER	
433	433	15	A2-05-0043-3	TAPE, FOAM, 25" X 1.00"	
4	4	14	A1-05-0708	WASHER, SS, .130 ID	
1	1	13	A1-17-1044	BUSHING	
1	1	12	A1-17-1307	ARM, EJECTOR	
1	1	11	A1-05-0704	RING, RETAINING, EXTERNAL GRIP	
1	1	10	A1-05-0659-1	WASHER, SS, DIA. .343	
1	1	9	A1-05-0574-1	HYDROSTATIC RELEASE	
1	1	8	A1-18-1653	ROD, HYDROSTATIC RELEASE	
1	1	7	A1-17-1304	SPRING, GPS	
15	15	6	A1-05-0706-45	RIVET, SS, DIA. .125 X .312	
1	1	5	A1-18-1650	BOTTOM CASE, SEA SHELTER	
1	1	4	A1-17-1303	SPRING, EJECTOR	
1	1	3	MS24626-18	SCREW, 312 X .138 SELF-TAP, SS	
1	1	2	A1-18-1648	INSERT, SEA SHELTER	
1	1	1	A3-06-2103	MAGNET HOLDER ASSY	
2					

LIST OF MATERIALS OR PARTS LIST

DATE: 12/02/98

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

BY: MCB

ACR ELECTRONICS, INC
1100 EASTMAN DRIVE, FORT LAUDERDALE, FL 33302

ASSEMBLY, SEA SHELTER, CAT I

D	18560	A3-06-2083-	T2
---	-------	-------------	----



3

2

1

4

18560 DWG NO.

A3-06-2083-

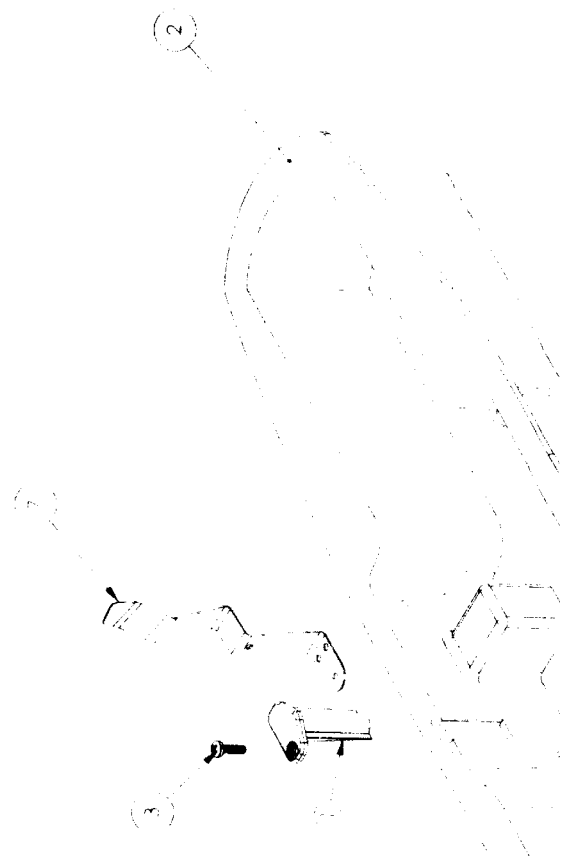
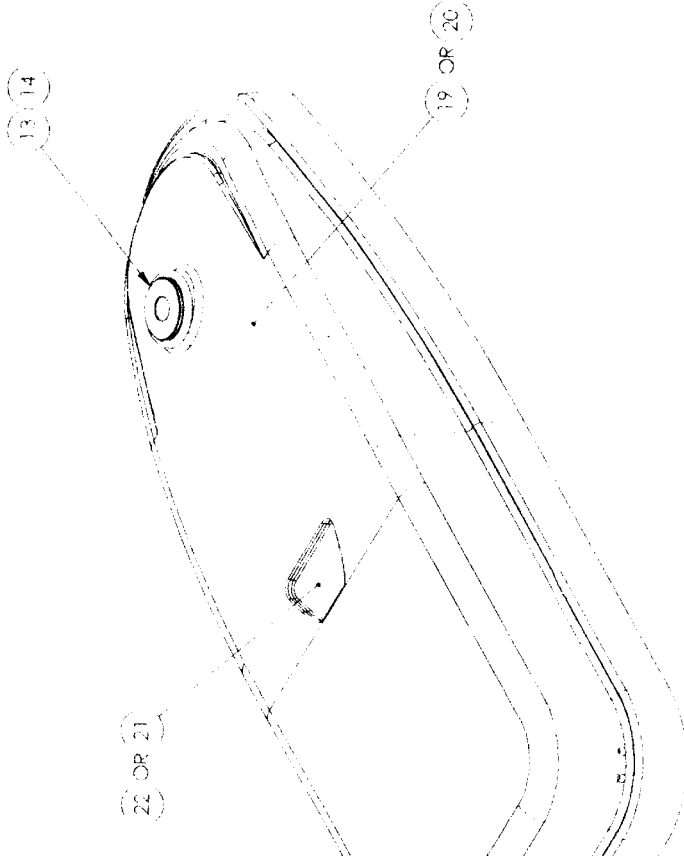
12

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

D

C



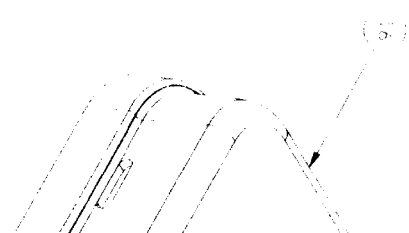
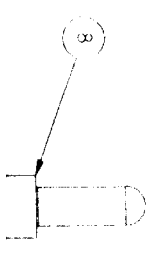
THIS DOCUMENT AND THE DATA DISCLOSED HEREIN IS PROPERTY OF AND BELONGS TO AEP ELECTRONICS, INC. FIT AND/OR SCALE FIGURES ARE FOR INFORMATION ONLY AND ARE NOT TO BE REPRODUCED, USED OR CIRCULATED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AEP.

NOTES:

1. ATTACH MAGNET HOLDER (ITEM 1) TO INSERT (ITEM 2) USING FASTENER (ITEM 3).
2. ATTACH SPRING (ITEM 4) TO BOTTOM CASE (ITEM 5) USING RIVETS (ITEM 6)
3. ATTACH INSERT TO BOTTOM CASE, USING RIVETS, INSURING THAT SPRING IS PLACED THROUGH CUTOUT ON BOTTOM OF INSERT AND RESTS ON BEACON SIDE OF INSERT BOTTOM.
4. ATTACH GPS SPRING (ITEM 7) TO INSERT USING RIVETS.
5. ASSEMBLE ROD (ITEM 8) TO HYDROSTATIC UNIT (ITEM 9) USING WASHER (ITEM 10) AND RETAINING RING (ITEM 11), PER ROD RELEASE DETAIL.
6. SEE "HYDROSTATIC UNIT/ROD ATTACHMENT DETAIL". PLACE HYDROSTATIC UNIT/ROD ASSEMBLY INTO KEYWAY OF SPRING. FORCE SPRING DOWN INTO BOTTOM CASE. SLIDE HYDROSTATIC UNIT/ROD ASSEMBLY TOWARD THE FASTENED END OF THE SPRING UNTIL WASHER ENGAGES THE KEYHOLE OF THE BOTTOM CASE.
7. ATTACH EJECTOR ARM (ITEM 12) TO INSERT AS SHOWN IN THE "WIREFORM ATTACHMENT DETAIL".
8. PRESS FIT BUSHING (ITEM 13) INTO TOP CASE.
9. ATTACH FOAM TAPE (ITEM 15) TO UNDERSIDE OF TOP CASE AS SHOWN.
10. ATTACH SAFETY PIN HARNESS (ITEM 17) TO TOP CASE USING RIVET (ITEM 6).
11. INSERT ONE END OF CORD (ITEM 18) INTO HOLE ON TOP SIDE OF INSERT AND TIE KNOT. INSERT OTHER END OF CORD INTO HOLES ON THE INSIDE CORNER OF TOP CASE AND TIE TOGETHER.

D

C



B

A

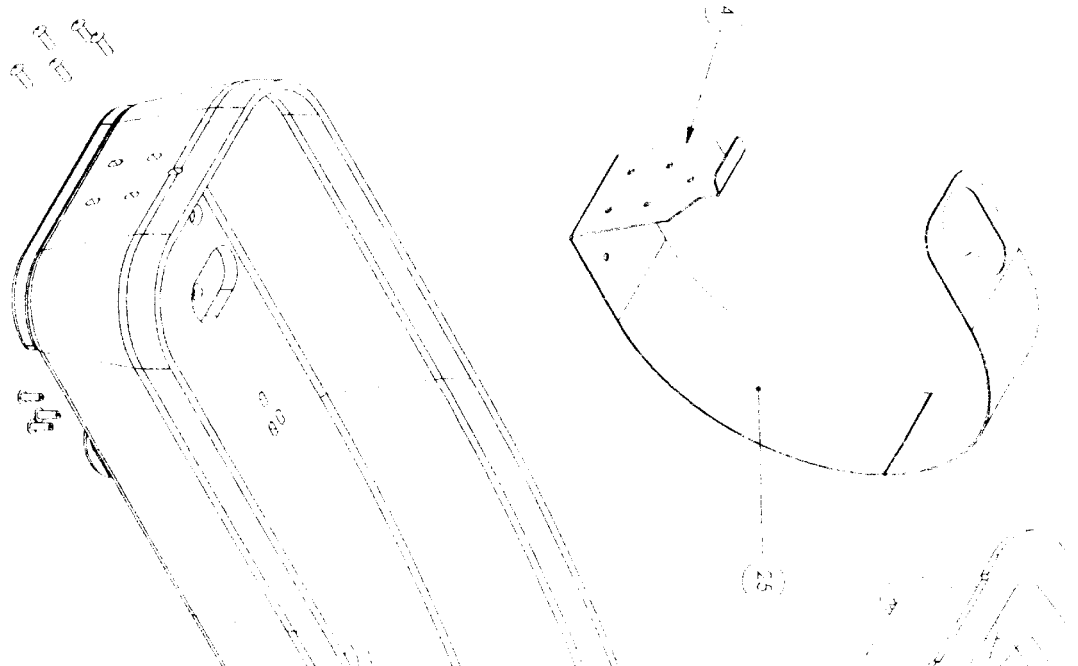
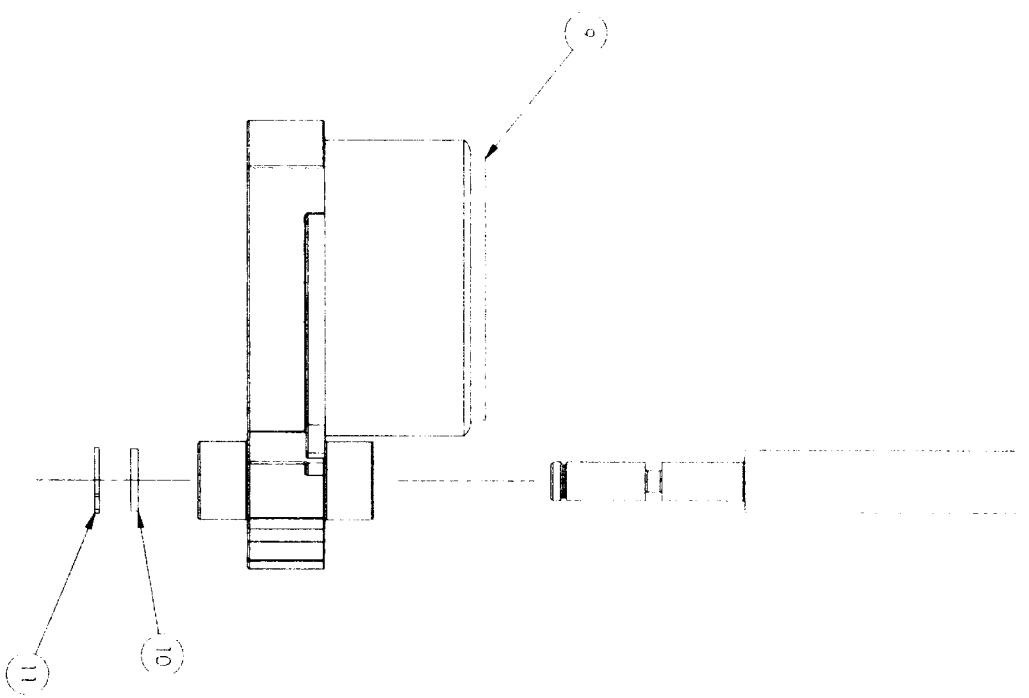
8

7

6

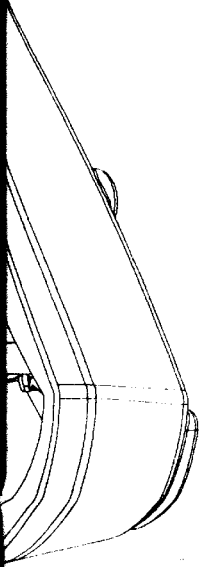
5

ROD RELEASE DETAIL
SCALE 1/1



B

A



23

17

REF	CODE DÉFINIC	SP-INTÉRIEUR	REF
D	18560	A3-06-2083	T1
SCALE 1/2		DEF 2	DF 2

4

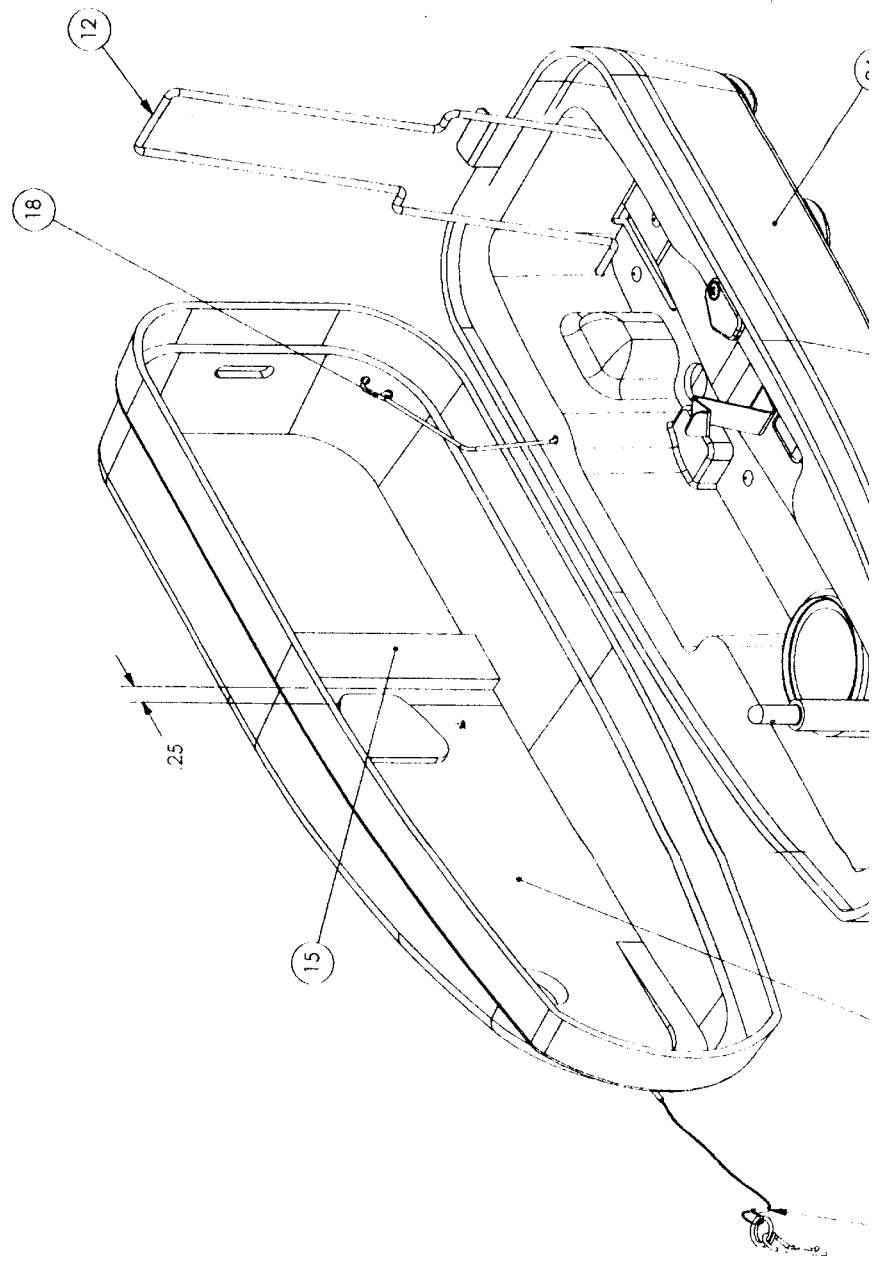
3

2

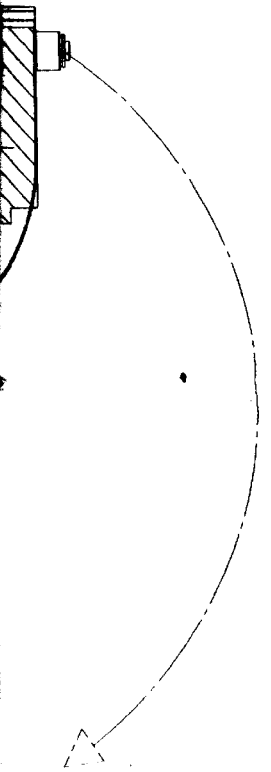
1

D

C



THIS DOCUMENT AND THE DATA DISCLOSED HEREIN ARE HEREBY DISCLOSED IN WHOLE OR IN PART TO ANYONE WITHOUT THE PERMISSION OF ACR.



B

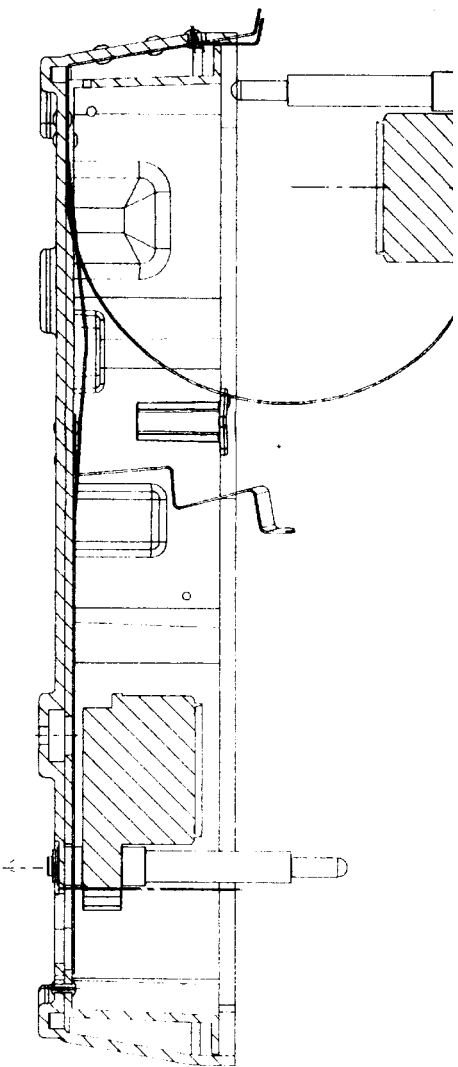
/

0

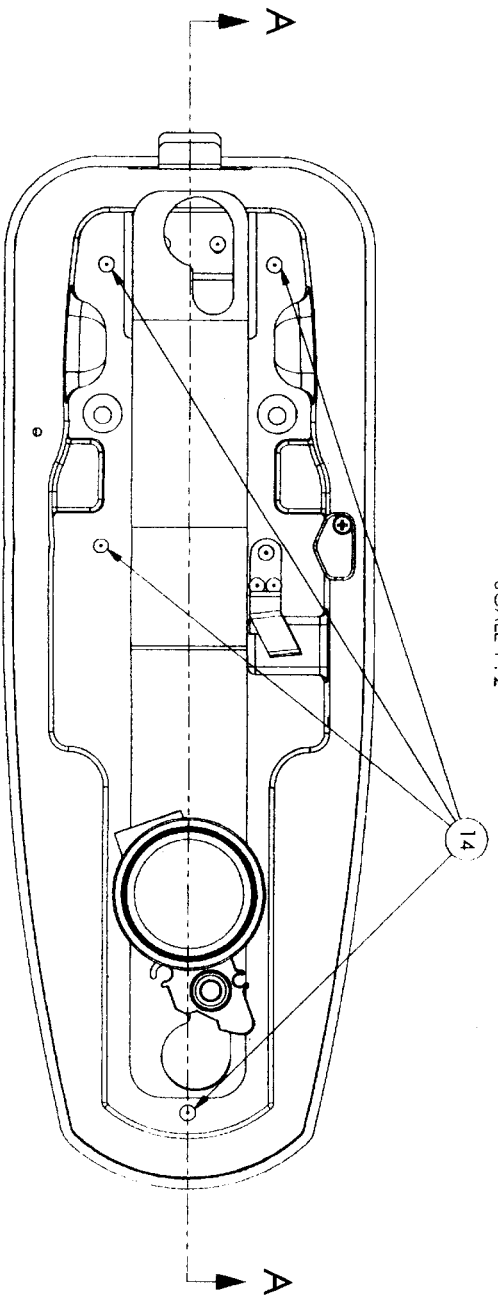
C

D

C



SECTION A-A
SCALE 1:2



HYDROSTATIC UNIT/ROD ATTACHMENT DETAIL

8

7

6

5

B

A

APPENDIX 4

LABEL DRAWINGS

