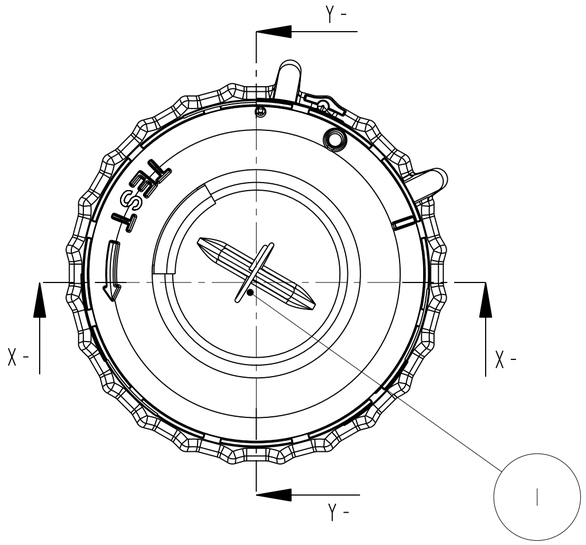
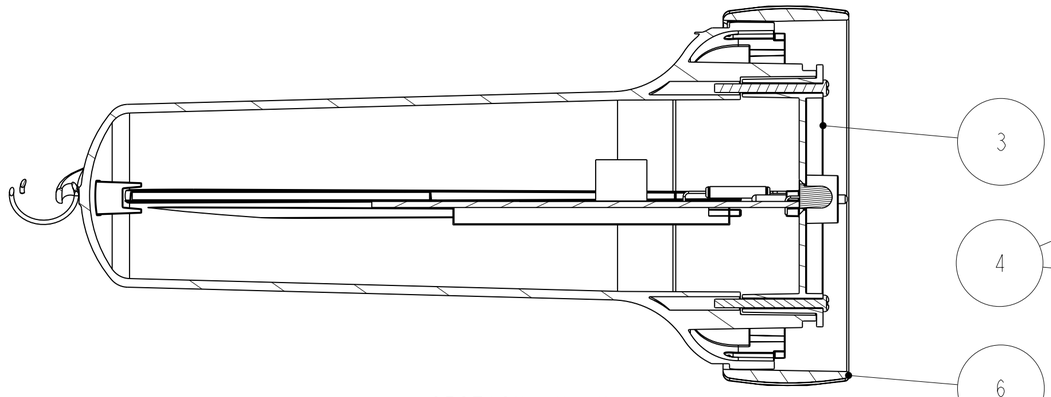
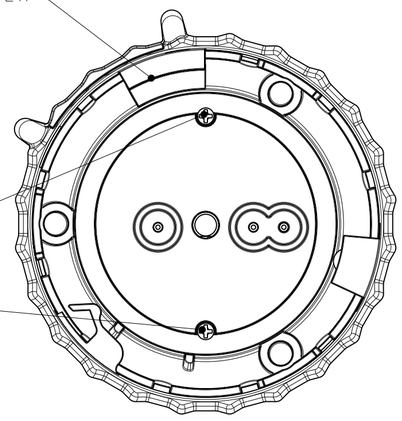
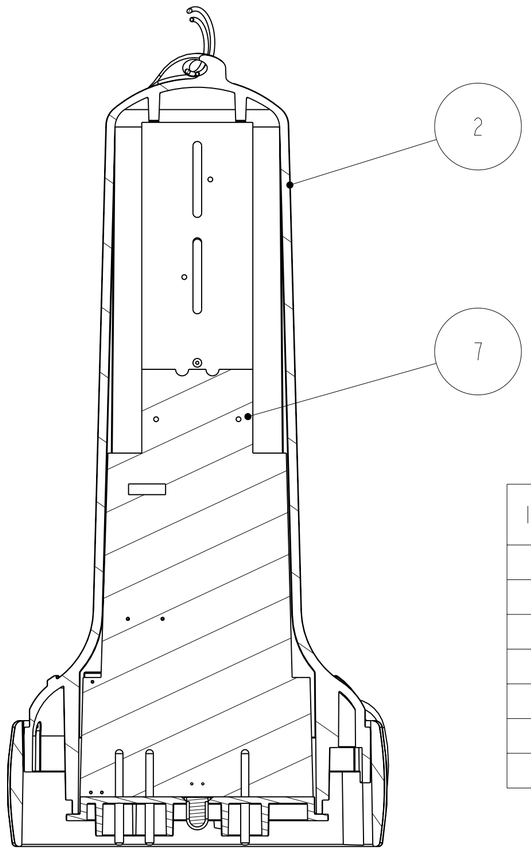



SECTION Y--Y-




SECTION X--X-

ASSEMBLY PROCEDURE

1. INSERT ELECTRONICS ASSEMBLY 86-510 (ITEM 7) INTO RADOME 86-421 (ITEM 2). ENSURE PCB IS INSERTED CORRECTLY, NOTING THE CUT-OUT FOR THE REED SWITCH. SLIDE PCB IN UNTIL THE ANTENNA LOCATES IN THE LUGS AT THE TOP OF THE RADOME.

2. FIT THE END CAP 86-422 (ITEM 3) ON TO THE BOTTOM OF THE RADOME, OVER THE PCB CONNECTOR PINS.

3. SECURE THE END CAP WITH 2X M2X25 SCREWS, AND TIGHTEN TO 40cNm.

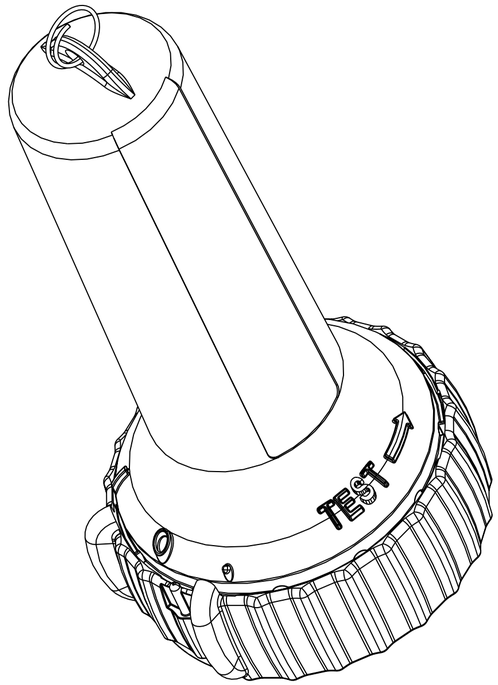
4. SNAP FIT THE ROTARY SWITCH ASSEMBLY 86-460 (ITEM 6) ON TO THE BASE OF THE RADOME. TAKE CARE TO ENSURE THE CORRECT ORIENTATION. THE SWITCH RING "PIP" SHOULD ALIGN WITH THE "0" MARKING ON THE RADOME. SEE VIEW BOTTOM RIGHT FOR APPROXIMATE POSITION.

5. TURN THE SWITCH RING TO THE "ON" POSITION (SO PIP ALIGNS WITH "1" MARK ON RADOME), AND INSERT THE SPRING INTO THE SPRING RETAINER. SEE VIEW TOP RIGHT FOR POSITION. SPRING IS HELD IN COMPRESSION BETWEEN THE RETAINER AND INSERT BOSS.

6. FIT HANGING RING 86-416 (ITEM 1) TO THE HOLE IN THE TOP OF THE RADOME 86-421 (ITEM 2).

| ITEM | PART No. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 86-416 | HANGING RING | 1 |
| 2 | 86-421-XXX | RADOME | 1 |
| 3 | 86-422 | END CAP | 1 |
| 4 | 86-423 | M2X25 SCREW | 2 |
| 5 | 86-424 | SPRING* | 1 |
| 6 | 86-460-001 | ROTARY SWITCH ASSEMBLY | 1 |
| 7 | 86-510 | ELECTRONICS ASSEMBLY | 1 |

| VARIANT TABLE | |
|---|---|
| ORANGE | DESIGN REFERENCE ONLY YELLOW |
| 86-420-001 | 86-420-002 |




| ISSUE | CHG.No. | DATE | APPD | ISSUE | CHG.No. | DATE | APPD |
|---|---|---|---|---|---|---|---|
| | | | | 1 | C2670 | 07/10/2003 | BQS |

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MATERIAL

FINISH

DIMENSIONS IN mm

3RD ANGLE PROJECTION B.S. 8888

DRAWN BY: SP

APPROVED BQS

RELEASED JU

SCALE 1.000

TITLE SART 4 MAIN BODY

McMURDO LIMITED
PORTSMOUTH - HAMPSHIRE - ENGLAND

DRAWING No. 86-420-XXXB

SHT. 1 OF SHT. 1

A2

TOLERANCES UNLESS OTHERWISE STATED
WHOLE No. ± 0.5 ANGULAR DIMS ±
1 DEC PLACE ± 0.1
2 DEC PLACE ± 0.05 DRILLED HOLES ±

USED ON