


APPLICATION		REVISIONS			
NEXT ASSY	USED ON	REV	DESCRIPTION	DATE	APPROVED
10-00100	QL-3000	B	DELETED SECTION 1.8.	10/14/05	SW



<p>PROPRIETARY NOTICE</p> <p>THIS DRAWING, PRINT, OR DOCUMENT AND THE SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH ROS, INC. RETAINS THE EXCLUSIVE RIGHTS OF DISSEMINATION, REPRODUCTION, AND SCALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY RECIPIENT ALONE UNLESS PERMISSION FOR FUTURE DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.</p> <p><u>DO NOT SCALE DRAWING</u></p>	CONTRACT NO.			 <p style="text-align: center;">OPERATING AND MAINTENANCE INSTRUCTION QL-3000</p>			
	PREPARED	S. Myers	01/23/01				
	CHECKED	R.Hoffman	2/28/02				
	ENG.	G.Adamson	3/1/02				
	PROD.	PM, DM, RL	3/4/02				
	SALES						
				SIZE A	CAGE CODE 2T637	DWG NO. 10-00101	REV B
APPROVAL (Q.A.)			SCALE			SHEET 1 OF 5	

WARRANTY

Remote Ocean Systems, Inc. (Hereinafter called "ROS") warrants its products as stated below subject to the conditions specified.

ROS warrants its products, when operated under normal conditions, to be free from defects in material or workmanship for a period of one year from the date of purchase provided that inspection by ROS discloses that such defects developed under normal and proper use. ROS products repaired or replaced pursuant to this warranty shall be warranted for the unexpired portion of the warranty applying to the original product. The liability of ROS under this warranty shall exist subject to the following conditions.

- (a) ROS is properly notified of such defects by Purchaser, and the defective product is returned to ROS, transportation charges paid by Purchaser.
- (b) ROS shall be released from all obligations under its warranty in the event repairs or modifications are made by persons not authorized by ROS.
- (c) Representations and warranties made by any person, including distributors and representatives of ROS, which are inconsistent or conflict with the terms of this warranty, shall not be binding upon ROS unless reduced to writing and approved by an officer of ROS. ROS shall in no event be liable for other direct, special, incidental, consequential, indirect, or penal damages.
- (d) This warranty shall be governed by the laws of the State of California.

In the event the defect is determined to be within the terms of this warranty, the ROS agrees to repair and/or replace (at ROS's discretion) the product or defective portion at no charge to the Purchaser. This warranty does not apply to expendable items nor to normal wear and tear and is conditional upon performance of normal preventative maintenance procedures.

Our commitment to quality and customer service directs us to constantly strive to improve our products. The materials and specifications presented in our manuals and data sheets are correct and accurate to the best of our knowledge, and are presented in good faith. However, the information is not guaranteed and is subject to change without notice.

LIMITATIONS OF REMEDIES

Purchaser assumes all risk and liability for results obtained in any installation, operation, or use of the product. Purchaser's sole remedy for any breach of warranty by vendor shall be limited to the "express remedies" set forth above. Otherwise, in no event shall vendor, its agents, or employees be liable to the original purchaser or any third party for any consequential or incidental damages or expenses of any nature arising directly out of or in connection with the use of vendor products. Even if vendor has been advised of the possibility of such damages or expenses. In any event, unless otherwise contrary to state law, vendor liability under this limited warranty shall not exceed the purchase price of the product.

 ROS INCORPORATED	SHEET 2 of 5	SIZE A	CAGE CODE 2T637	DWG NO. 10-00101	REV B
--	-----------------	-----------	--------------------	---------------------	----------

CUSTOMER ASSISTANCE

ROS, Inc. uses a worldwide network of stocking distributors and representatives who are familiar with our products and are able to provide assistance during installation and/or operation of these products.

If you have any questions or problems with this product that are not covered by this manual or instruction, please contact our agent in your area, or contact us directly by phone, FAX, or e-mail.

TEL: (001) 858-565-8500

FAX: (001) 858-565-8808

E-mail: support@rosys.com



SHEET
3 of 5

SIZE
A

CAGE CODE
2T637

DWG NO.
10-00101

REV
B

1.0

BULB REPLACEMENT PROCEDURE

- 1.1 Prepare clean dry area for disassembly and re-assembly.
- 1.2 Disconnect light power cable.
- 1.3 Clean and dry light.
- 1.4 Remove four Hex Socket Cap screws, which hold the light assembly together. **CAUTION:** Loosen screws uniformly, each a little at a time (1/4 Turn CCW) in sequence to avoid non-uniform stresses, which can crack the pressure envelope.
- 1.5 Remove reflector and pressure envelope while holding the light body and base together.
- 1.6 Wrap tissue around bulb and remove it by grasping it near the base and rotating counter-clockwise.
- 1.7 Clean and inspect the O-rings, O-ring groove, and the base of the pressure envelope. Replace any damaged O-rings.
- 1.8 Unwrap replacement light bulb being extremely careful not to touch the quartz envelope. If it is accidentally touched, clean it thoroughly using alcohol and soft tissue before assembling.
- 1.9 Hold the light bulb near its base with tissue or part of the bulb packing material to protect the quartz envelope. Insert the bulb in its socket and rotate clockwise to tighten.
- 1.10 Replace the pressure envelope, reflector, and O-rings.
- 1.11 Coat the retaining screws with anti-corrosion material such as "AQUA LUBE" and assemble the light. Tighten each screw a little at a time (1/4 Turn CW) in sequence to draw the reflector down uniformly.

CAUTION: Make sure the pressure envelope is centered in the reflector clearance hole and the retaining screws are tightened uniformly. Non-uniform tightening may cause the envelope to crack. When all screws are tight, no gap should remain between the light base or reflector and the body section.

NOTE: If it is necessary to replace the light bulb in a humid environment, some condensation may occur inside the pressure envelope. This presents no operational problems, but may cause some internal corrosion over long periods of time. If such condensation is noted, the light should be disassembled, thoroughly dried, and re-assembled in a clean, dry environment.



SHEET
4 of 5

SIZE
A

CAGE CODE
2T637

DWG NO.
10-00101

REV
B

2.0

REFERENCE DOCUMENTS

- 2.1 10-00116 Installation/Outline, QL 3000
- 2.2 10-00100 QL-3000 Light Assembly, Aluminum
- 2.3 10-00107 QL-3000 Light Assembly, Stainless Steel
- 2.4 10-00098 Wiring Diagram, QL-3000



SHEET
5 of 5

SIZE
A

CAGE CODE
2T637

DWG NO.
10-00101

REV
B

