

	SONARtrac[®] Rework Instruction		
	Subject: Procedure for Fiberglass Cover Strike and Latch Replacement	RI00008	Rev: 01
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The purpose of this document is to provide instructions for replacement of the latches and strikes used to attach the fiberglass sensor head cover halves.

Replacement of the latch and strike on fiberglass covers may be necessary if these parts are damaged in service. In November 2008, the latch and strike were changed. The new parts are readily identified as they are stainless steel in color vs. black color on the original pieces. The P/N S-21085-XX Rework Kits are available with quantities of 1ea latch and strike, 6ea latch and strike, and 8ea latch and strike. Figure 1 lists the contents of the rework kits.

REV	REV	REV			
01	01	01			
S-21085-08	S-21085-06	S-21085-01			
QTY	ITEM	PART No	DESCRIPTION		
8	6	1	1	21022-02	LATCH ASSEMBLY, RIVETED DRAW
8	6	1	2	21022-03	STRIKE BRACKET, RIVETED COVER LATCH
16	12	2	3	21055-02	GASKET, LATCH RETAINER HARDWARE, MOLDED
32	24	4	4	52638-10	SCREW, SELF SEALING, VITON ORING, PH PHILLIPS, 18-8 SS, 10-32 THD x 5/8" LG
32	24	4	5	52352-04	NUT, FLANGE, SERRATED HEX, 10-32 SCREW SIZE, 18-8 SST
1	1	1	6	52538-01	SEALANT, ANAEROBIC GASKET ELIMINATOR, LOCTITE 515, 6 ml TUBE
1	1	1	7	52639-01	REAMER, #10 SOLID CARBIDE
1	1	1	8	RI00008	PROCEDURE FOR FIBERGLASS COVER STRIKE AND LATCH REPLACEMENT

Figure 1 P/N S-21085-XX Latch and Strike Rework Kit Contents

Rework Procedure:

The following procedure should be used when changing the latch and strike:

1. Refer to the Installation & Startup Manual for additional illustrated removal and re-installation details if necessary
2. Obtain Hot Work Permit if required.
3. Notify the Control room the meter will be taken out of service.
4. Turn off electrical power to the system. Follow lock-out / tag-out procedures as required.
5. Unlatch and disconnect the sensor to transmitter cable connector from the sensor cover. Close cable connector cover on sensor head cover.
6. Protect cable connector from dirt, water, etc. (example, wrap it in a protective plastic bag).
7. Open the sensor cable access panel located on the cover by loosening the six screws (they should not be fully removed from the cover as they are captive screws).

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8. Disconnect the sensor band to pre-amplifier module electrical connector by unlatching the connector locks and sliding the connector back.
9. Remove the stainless steel bands (cover sizes 10-inch and larger) or clamps cover sizes 8-inch and smaller) at either end of the cover.
10. Uncouple the 6 or 8 latches and strikes.
11. Remove the latch and strike No. 8-32 fasteners and sealing gaskets.
12. Use the reamer included with the S-21085-XX kit to enlarge the strike and latch attachment holes to accommodate #10 fasteners.
13. Install the seal gasket, strike, latch and screws in the cover upper and lower assembly. Coat the screw threads with Loctite 515. Install the nuts and tighten the fasteners.
14. Reinstall the cover and stainless steel bands / clamps.
15. Reinstall the sensor band to pre-amplifier connector.
16. Reinstall the access panel; tighten the six screws.
17. Reinstall transmitter to sensor head cable
18. Reapply power to system.

Please contact CiDRA Technical Support with any questions or comments.

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Document Change History

Date	Revision	Changed By	ECO #	Description of Change
3Nov08	01	Markoja	E08-0095	Initial Release