



**SEA -B I R D E L E C T R O N I C S, I N C.**

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DATE	SYM	REVISION RECORD	AUTH	DR	CHK

SBE P/N 50251

**SBE 32 C-Star Xmiss Mount Kit**

*KIT CONTENTS*

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
231093	SBE 25 C-Star Mount Plate	C-Star Sensor Mount Plate	1
231444	SBE 25 C-Star Mount Blocks	Securing Blocks For C-Star To Mount Plate	4
23746	SBE 32 to 19 Mount Bar	Mount Bar Installs Sensor Plate Onto Carousel Adapter Plates	1
23838	SBE 32 to 19 Mount Pin	Securing Pin For Mount Bar To Top Adapter Plate	1
30259	Washer, 1/2" flat/narrow	Used With Mount Pin To Mount Bar Securing Bolt	1
30377	Bolt, 1/4-20 x 1-1/4 FH socket	Securing bolts for mount block to mount plate interface	8
30594	Washer, 1/2", split ring lock	Used With Mount Pin To Mount Bar Securing Bolt	1
30855	Screw, 1/4-20 X 1-1/4 FH SS	Securing Screws For Mount Plate To Mount Bar Interface	4
30603	Bolt, 1/2-13 x 3-1/2 Hex	Securing Bolt For Mount Pin To Mount Bar	1

**Mount Kit and C-Star Assembly**

*Refer to SBE assembly drawing 67084 for details*

**A. Install Mount Plate onto Mount Bar**

1. Top of mount plate is the end with only one pair of threaded screw holes on each side.
2. Top of mount bar is end with larger sized threaded hole.
3. Inject DC-4 into holes on back of mount bar.
4. Install mount plate onto mount bar with 4 screws (30596), hand tight, such that screws fit neatly into the countersinks.

**B. Install C-Star onto Mount Plate**

1. Lay C-Star on plate such that top of sensor corresponds to tops of plate and bar.
2. Secure with one mount block (231444) and 2 bolts (30377) in each inner corner of the open space of the C-Star.
3. *Note that lower hole sets on the plate allow for different lengths of C-Stars.*

**C. Install Assembly onto Carousel Frame**

1. Sub-assemble pin
  - a. Slide lock washer (30594) first, and then flat washer (30259) over bolt (30603).
  - b. Slide bolt through the pin from the wide end.
2. Set Lower hole on mount bar over lower adapter plate pin.
3. Tilt and lightly press assembly into place. It needs to drop in such that upper end of bar fits underneath outer lip of adapter plate.
4. Secure bar by putting pin sub-assembly through adapter plate from the top, and threading it into the mount bar snug with a wrench.

SBE Drawings:

**67084** SBE32 C-Star Transmissometer Mount Kit

**Sea-Bird Electronics Procedure**

PROCEDURE NUMBER: **67084**

TITLE: **SBE32 C-Star Transmissometer Mount Kit**

REVISION:

EFFECTIVE DATE: **11/22/2002**

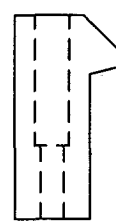
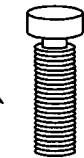
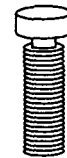
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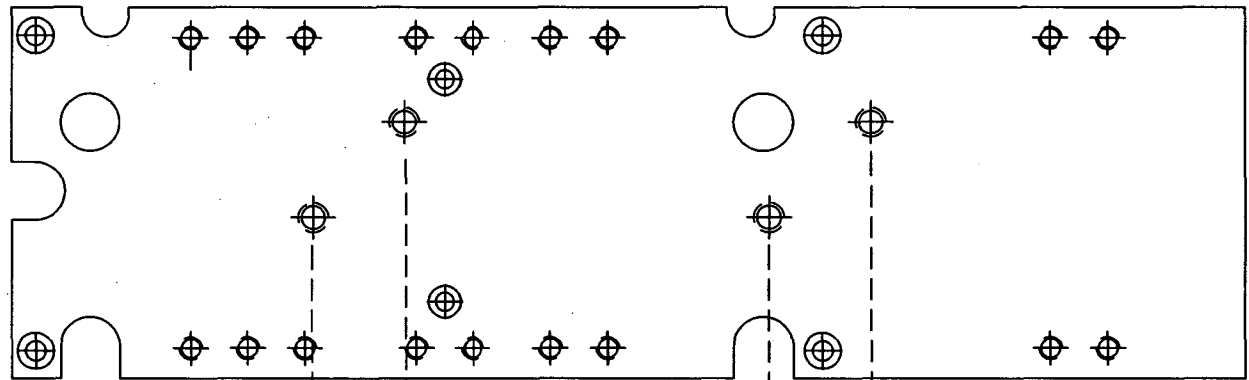
DATE	SYM	REVISION RECORD	AUTH.	DR.	CK.

P/N 30377, MACH SCREW 1/4-20 X 1-1/4 SOCKET (8 PLACES)

P/N 231444, C-STAR MOUNT BLOCKS (4 PLACES)



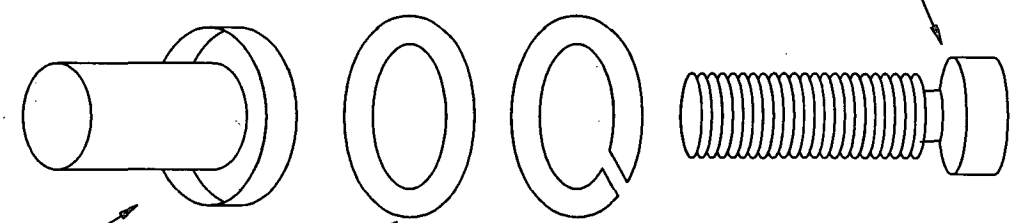
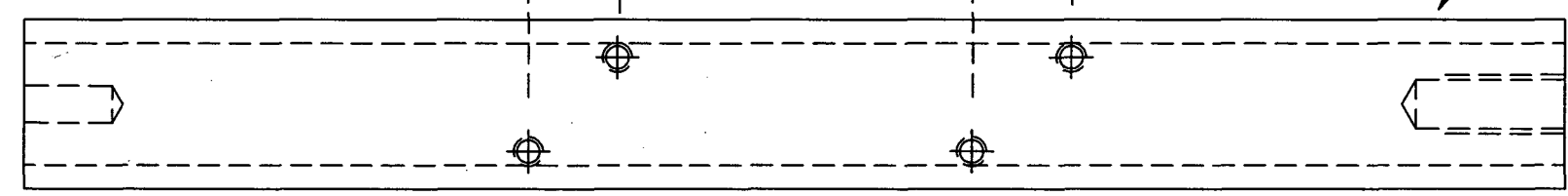
P/N 30855, MACH SCREW ,1/4-20 X 1-14 FH SS (4 PLACES)



P/N 231093, SBE 25 C-STAR XMISS MOUNT PLATE

P/N 231662, SBE 32 PROFILER MOUNT BAR, MODIFIED

P/N 30603, BOLT, 1/2-13 X 3-1/2" SOCKET



P/N 23838, SBE 32 PROFILER MOUNT PIN

P/N 30259, WASHER, 1/2" FLAT/NARROW

P/N 30594, WASHER, 1/2" SPLIT RING LOCK

TOLERANCES	SEA-BIRD ELECTRONICS, INC				
FRACTIONAL	P/N 50251	SCALE N.T.S.	DRAWN BY MJ		
DECIMAL	TITLE SBE 32 C-STAR TRANSMISSOMETER MOUNT KIT				
ANGULAR	DATE 05.26.99	DRAWING NUMBER 67084	REV		