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DATE	SYM	REVISION RECORD	AUTH	DR	CHK

SBE P/N 50145

SBE 32-12/16Pl to SBE 9plus mount kit

KIT CONTENTS

SBE P/N	Manufacturer P/N	Primary SBE Application	QTY
23094	SBE 9plus cage insulator	Provide electrical insulation between cage and CTD endcaps	4
23844C	SBE 32 to 9plus CTD mount	Main cage assembly for mounting CTD to Carousel	1
30142	Machine screw, 6-32 x 3/8 PH	Securing screws for 9plus cage insulator	4
30194	Bolt, 3/8-16 x 1-1/4 Hex, SS	Securing bolts for CTD cage clamps	4
30258	Washer, 3/8 split ring lock	Used with CTD securing bolts (30194)	4
30409	Teflon Tape, Adhesive 1 side	Provides electrical insulation between CTD and cage clamps	3 feet

Refer to Assembly Drawing 67069 for details.

A. Remove Carousel hardware
1. Stand Carousel system upright, such that pylon latch assembly is to the top.
2. Hardware from 4 bolts (PN 30603, ½-13 x 3-1/2") will need to be removed.
3. *Do not remove the bolts, as they will still hold upper portion of carousel frame assembly in place.*
4. Hold all hardware in a try until cage is installed.

B. Install cage insulators.
1. Cage insulators install on outside of cage at the point where the clamps will intersect with the 9plus housing and endcaps.
2. Secure each clamp with 1 screw (30142).
3. Note on correctly installing insulators.
   a. Screw hole on insulator is offset.
   b. Insulator installs with short half facing CTD and long half facing side of cage.
   c. A correctly installed insulator will be flushed against 3 sides of its bar, with no portions of the insulator hanging over the edge of the cage frame parts.

C. Install CTD Cage
1. CTD cage (23844C) part number includes cage and mount brackets.
2. Cage portion will install onto the 4 loosened bolts such that welded half of mounting brackets forms a trough.
3. Hold cage in place and re-fasten hardware onto the bolts.
4. Install flat washer first, followed by lock washer.
5. Secure with the same nut that you removed.

D. Install CTD
1. CTD lays into the trough made by the 2 mount brackets.
2. The 2 clamp portions are placed on top of CTD such that kit hardware will fit into cage clamps.
3. Secure clamps to cage with 1 lock washer (30258) first, and followed with 1 bolt (30194) well coated in Never-Seez lubricant.

SBE DRAWING: 67069

TITLE: SBE 32 12/16 to SBE 9plus Mount Kit
       Assembly

REV:

Sea-Bird Electronics Procedure
PROCEDURE NUMBER: **67069**
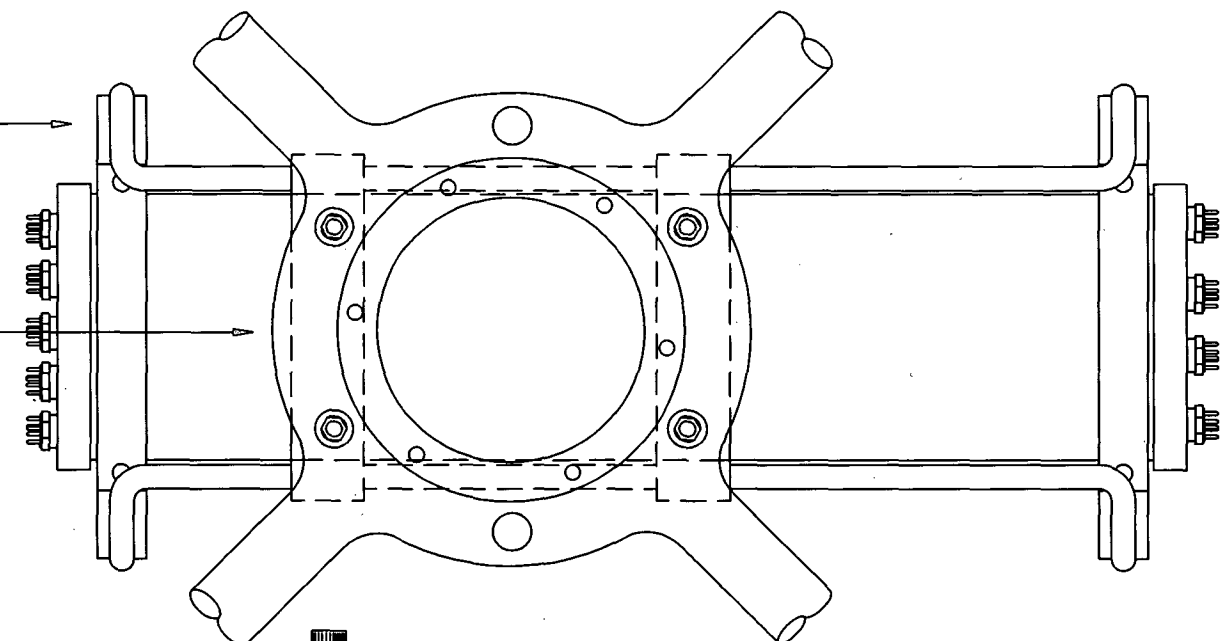TITLE: **SBE PN 50145 Carousel to 9plus Mount Kit**
REVISION:
EFFECTIVE DATE: **11/20/2002**
CHECKED BY: _____   PAGE 1 of 1

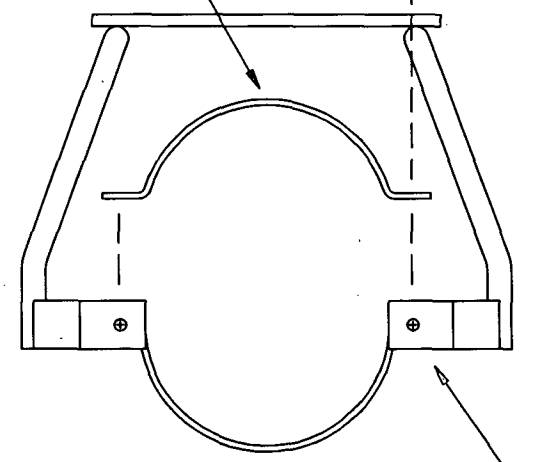SBE 32 CTD MOUNT LOADED WITH SBE 9plus
(TOP VIEW)

LOWER GUARD/BOTTOM ADAPTER PLATE
ATTACHMENT BOLT PATTERN (TOP VIEW)
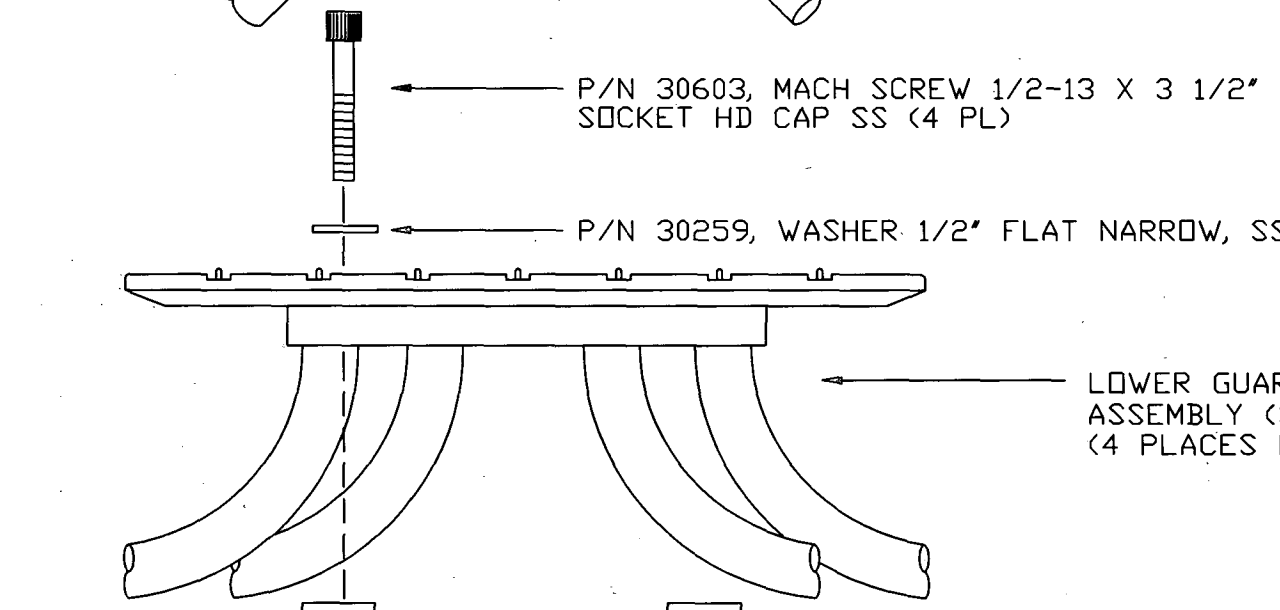(4 PLACES FOR MOUNT ATTACHMENT)

P/N 30194, BOLT 3/8-16 X
1-1/4 HEX, SS (4 PLACES)

P/N 30258, 3/8 SPLIT RING
LOCK, SS (4 PLACES)

SEPARATE CLAMP
PIECE FOR CTD UNIT
(2 PLACES)

CAGE INSULATOR LOCATION
(4 PLACES)

P/N 30603, MACH SCREW 1/2-13 X 3 1/2"
SOCKET HD CAP SS (4 PL)

P/N 30259, WASHER 1/2" FLAT NARROW, SS (8 PL)

LOWER GUARD/BOTTOM ADAPTER PLATE
ASSEMBLY (SIDE VIEW)
(4 PLACES FOR MOUNT ATTACHMENT)

P/N 30594, WASHER 1/2"
SPLIT RING LOCK, SS (4 PL)

P/N 30231, NUT 1/2-13
HEX, SS (4 PL)

P/N 23844C, SBE32 12/16 9P
CTD MOUNT

P/N 23094, SBE 9plus CAGE INSULATOR (4 PL)

P/N 30142, MACH SCREW 6-32 X 3/8 PH, SS (4 PL)

SEA-BIRD ELECTRONICS, INC

TOLERANCES			
FRACTIONAL	P/N 50145	SCALE NTS	DRAWN BY CEG / APPROVED BY RB
DECIMAL	TITLE SBE32 12/16 TO SBE 9plus MOUNT KIT ASSEMBLY		
ANGULAR	DATE 12.29.98	DRAWING NUMBER 67069	REV