SBE P/N 50145

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

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<td>SBE 9plus cage insulator</td>
<td>Provide electrical insulation between cage and CTD endcaps</td>
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<td>23844C</td>
<td>SBE 32 to 9plus CTD mount</td>
<td>Main cage assembly for mounting CTD to Carousel</td>
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<td>30142</td>
<td>Machine screw, 6-32 x 3/8 PH</td>
<td>Securing screws for 9plus cage insulator</td>
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<tr>
<td>30194</td>
<td>Bolt, 3/8-16 x 1-1/4 Hex, SS</td>
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<td>30258</td>
<td>Washer, 3/8 split ring lock</td>
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<td>30409</td>
<td>Teflon Tape, Adhesive 1 side</td>
<td>Provides electrical insulation between CTD and cage clamps</td>
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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 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 30142, MACH SCREW 6-32 X 3/8 PH, SS (4 PLACES)

P/N 30594, WASHER 1/2' SPLIT RING LOCK, SS (4 PLACES)

P/N 30259, WASHER 1/2' FLAT NARROW, SS (8 PLACES)

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

P/N 30594, WASHER 1/2'
SPLIT RING LOCK, SS (4 PLACES)

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

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