

Recommended fasteners for Aircraft and Lift-A-Deck II Track

The following document contains the fasteners Ancra International LLC recommends for use with aircraft style seat track (including Lift-A-Deck II track). Ancra track part numbers include, but are not limited to, 40467 series heavy duty track, and 49363 series flanged track.

- Rivets (mil spec): Note that manufacturers often use the government specified MS and NAS numbers directly. These numbers are NAS1921B08-__ and MS20601 AD8W__. (Last dash number of each varies depending on length.)
- Rivets (commercial) Cherry SSCV Monobolt rivets and SSCI-08-__ (length) rivets are usually acceptable alternates to the government specifications. The Huck MGL-100 series and the Pop SD8475UG or SD8725UG rivets are equally valid selections. Check the grip length of each to be sure it is appropriate for the installation.
- Screws (mil spec): NAS 517-4 close tolerance flat head screws with a 100 degree countersink are recommended. Note that Ancra uses these screws for all load tests. Alternatively, NAS 514P428-__ flat head screws, or MS24693-S__ flat head screws may be used. (Last dash number of each varies depending on length.)
- Screws (commercial) Any 1/4-28 thread, 100 degree countersunk screw should work properly. Note, however, that such screws can be difficult to find as most commercial screws have an 82 degree countersink.

Caution: Each installation must be checked for possible galvanic corrosion. The fasteners listed above are often available in different materials, and it is essential that the fasteners be made from a material that will not galvanically corrode when in contact with aluminium. Note that stainless steel is not a good choice, particularly when the track is made from 7075-T6 alloy.

Mil-spec fasteners should be used if any of the following conditions apply, otherwise commercial fasteners are an acceptable alternate.

1. The track is installed on a FAA approved aircraft installation.
2. The track is for any military application.
3. The track will be used to attach tiedowns carrying a suspended load. This does include speaker cabinets but does **not** include decking beams or the Lift-A-Deck II system. (L-A-D II is a decking system, not a tiedown.)

COPYRIGHT ANCRA INTERNATIONAL 2013.

This is an unpublished work. The disclosure of this work is limited to select personnel. Further dissemination or disclosure to the public is PROHIBITED. This unpublished work is protected by U.S. Copyright law and corresponding foreign copyright laws, and all rights thereunder are reserved by ANCRA INTERNATIONAL.