

RANS

4600 Highway 183 Alternate
 Hays, KS 67601
 (785) 625-6346
 Fax (785) 625-2795
 www.rans.com

Assembly Alert: 193

Date: May 18, 2021

Subject: Horizontal Stabilizer Installation

Compliance: Mandatory

Models Affected: S-21 OUTBOUND
 S-21LS OUTBOUND

It has come to our attention that some S-21 OUTBOUNDS may have been assembled with a gap between the AFT Spar of the Horizontal Stabilizer and Station-11 Bulkhead Assembly. It is important **NOT** to tighten the attachment bolts with this gap present, thereby flexing the attach lugs on Station-11.

RANS recommends the following:

1. Remove Elevator from Horizontal Stabilizer.
2. Check that Horizontal Stabilizer is tight against Horizontal Stabilizer Incidence Adjustors on Station-10.
3. Loosen AFT Spar mounting bolts.
4. Check for gap between AFT Spar and attach lugs of Station-11.
5. If gap exists, place Thick (AN960-416) and/or Thin Washers (AN960-416L) on 1/4" Bolts between Aft Spar and Station-11 to fill between gap.

HINT: Use small pieces of tape on a thin strip to position washers.

6. Re-tighten AFT Spar mounting bolts. Double check for full engagement of bolt threads through shear nut.
7. Re-install Elevator.

Thank you for your attention to this matter. Hopefully, we have not inconvenienced you to any great degree. Fly safe.

