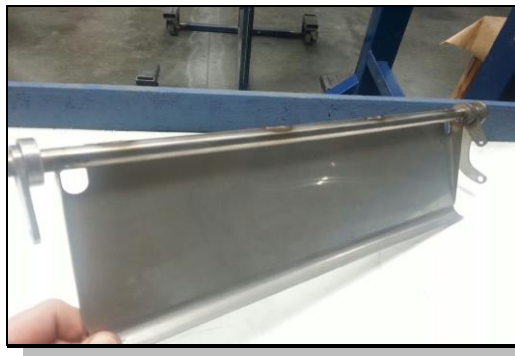




<b>Document Title</b>	Evolution Lower & Upper Ice Door (Inertial Separator) Reinforcement
<b>Document Number</b>	SB016-0016
<b>Authors</b>	Larry Hinman
<b>Date</b>	01-22-2014

**Subject:** There have been several known instances where the Lower or Upper Ice Door (Inertial Separator) face assembly has separated from the mounting tube or cracks have appeared at the weld points.

**Affected Aircraft:** All Evolution aircraft

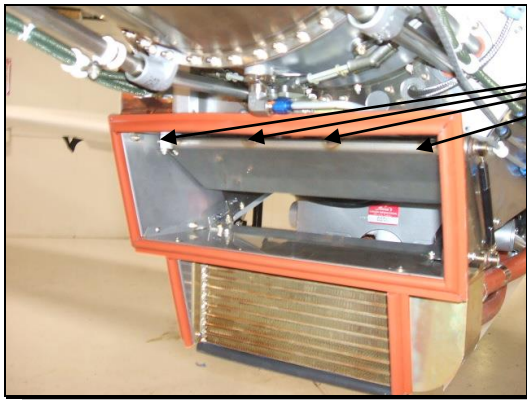


**Non-Reinforced Upper Door**



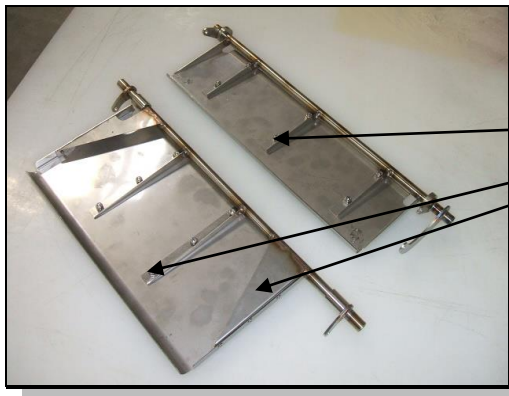
**Example of Cracks in Welds**

**INSPECTION LOCATIONS:**



p/n: 251-0171  
Upper Ice Door (Inertial Separator)  
Inspect these weld points for  
cracks

**DOORS AFTER REINFORCEMENT:**



p/n: 251-0171 & 251-0172  
The Reinforced Upper and Lower  
Ice Doors (Inertial Separators)with  
the added Ribs, Gussets and Welds

**Action:** To identify if your Ice Door(s) (Inertial Separator) is affected, inspect the door where the door face plate is welded to the pivot tube. Check for detachment of the face from the rail and or cracks in the weld points. Call LANCAIR Parts Department 541-923-2244, for a RMA number to return the damaged Ice Door(s). Lancair will either replace or upgrade (depending on part availability), one or both doors for \$200.00 (cost of parts and labor).

Approximate lead time: 10 days