

KING AIR

Nose Gear Door Modifications

FAA / PMA Approved (STC SA01814AT-D)

This STC is applicable to most King Air models.

Add strength to your nose gear door

Summit Aviation Mfg has developed a series of doublers for reinforcing the nose gear doors on various King Air models. These doors have a history of developing cracks at the hinges and actuator attachment areas. The doublers developed are of formed aluminum and are attached to the existing structure with a combination of solid and blind rivets.

The nose gear doors of most King Air models have doublers at three locations: the forward hinge, aft hinges and center actuator arm. This modification simply replaces existing doublers with larger, thicker ones. The original doublers are removed and replaced by larger doublers which are designed to cover the areas where cracks typically occur. The number of fasteners is also increased to provide a larger margin of strength over the original structure.

