

CESSNA 150 / 152 STC KIT (FAA SA04389CH) INSTALLATION OVERVIEW

The Installation of Nutplates and TSO-C114 3-Point Diagonal Restraints



Description

Three-Point Torso Restraint System—Fixed Strap Style

Three-Point Torso Restraint System—Inertial Reel Equipped

Cessna 150, A, B, C, D, E, F, G, H, J, K aircraft built prior to Model Year 1971

STC SA04389CH approves the installation of NAS680A4 nutplates and TSO-C114 3-point diagonal restraints at each pilot position. The newly installed NAS680A4 nutplates allow the installation of either Fixed Strap or Inertial Reel Equipped upper torso restraints.

Cessna 150/152 aircraft built from Model Years 1971 through 1985 (150 L, M, 152)

Fixed Strap Replacement

Alpha Aviation Inc offers a drop in Fixed Strap replacement for models with existing 3-point diagonal (single strap) Fixed Strap restraints. Those desiring 3-point diagonal Inertial Reel Equipped Restraints will require the STC Kit for the installation of the additional nutplates to accommodate the reel.

STC Installation Overview

Remove the interior trim and headliner as necessary to gain access to the bottom surface of the cabin rear spar carry through beam. Mark the attachment rivet locations and install nutplates per instructions.

The nut plate installation is accomplished using blind rivets.

Reinstall the headliner and moldings while locating and opening the mounting hole through the headliner.

The upper end of the shoulder strap or inertial reel is installed using the hardware provided. Install the new lap belts.

Airframe Qualification

The aircraft is to have a standard airworthiness certificate.

The airworthiness certificate must be issued in the Utility Category.

Inspect the aircraft and its records to ensure that any change in structure does not preclude the installation of this STC.

Aircraft certified in the aerobatic category are NOT eligible

Weight and Balance - two pilot positions

The installation of this STC has a location of station +57.00 and a total net weight change of;

2 ea TSO-C114 Fixed Strap Restraint Assemblies 1.25 lbs

2 ea TSO-C114 Inertial Reel Restraint Assemblies 2.50 lbs