

Installation Overview

FAA/STC SA04310CH / PMA APPROVED

BEECHCRAFT 19/23/24 AIRCRAFT STC KIT

Three Point Torso Restraint System Installations



Model Number	Description
BE19-114FS	Three-Point Restraint System - Fixed Strap Style
BE19-114IR	Three-Point Restraint System - Inertial Reel Equipped

Beech Aero Center Line Model Eligibility;

19A, M19A, B19, 23, A23, A23A, A23-19, B23, C23, A23-24, A24, A24R

Product Description – Fixed Strap & Inertial Reel Equipped

Accommodates the installation of a vendor supplied, FAA Approved, TSO-C114 Restraint system at each pilot position. The restraint system incorporates a traditional pelvic restraint strap (lap belt) provided with the provision to attach, as needed, a single diagonal upper torso (shoulder) restraint strap. The upper end of the shoulder strap is hard mounted to the airframe at a location aft and above the pilot position. The free end of the shoulder strap is attached to the pelvic restraint strap at the buckle location and adjusted, as necessary, by use of the cinch strap or inertial reel.

The attachment of the fixed end of the torso restraint strap is accomplished by the installation of a PN MS21075-4N nut plate and PN AAI-169-420000-81 (Left) / AAI -169-420000-82 (Right) gusset to the fuselage structure adjacent to each pilot position at fuselage station 132.0.

The attachment points for the pelvic restraint strap (lap belt) are continued in use, as the manufacturer provided them at the time of type certification.

Airframe Qualification

Aircraft that have a standard airworthiness certificate are eligible for this installation

Weight and Balance

Model BE19-FS has a location station +113.00 and a net weight change of 1.75 pounds per installation; two pilot positions.

Model BE19-IR has a location of station +113.00 and a net weight change of 3.50 pounds per installation; two pilot positions



AAI-169-420000-81 INSTALLED



AAI-169-420000-82 INSTALLED