

Service Letter: 433

Date: July 12, 2010

Title: Installation of Front Seat Lap Belts

Models: 7ECA, 7GCAA, 7GCBC, 7KCAB, 8KCAB, and 8GCBC models

Description: Interference between the front seat lap belt and rear seat rudder pedals has been reported. The interference was caused by installation of an overlapping secondary belt. This Service Letter provides for inspection of pedal clearance and verification of proper belt attachment.

Dual lap belt installations have been revised to provide additional clearance. A Flight Manual Supplement provides additional normal procedures to verify clearance prior to flight.

Information in this service letter pertains only to Hooker Harness belts installed in accordance with American Champion data. Other belts and installations may have similar clearance issues. Adequate clearance with the rudder pedals should be verified for all belt installations.

Procedure:

1. Identify type of lap belt that is installed. The standard belt uses a lift to release buckle and unpadded webbing. Sport and competition belts use a quick-release buckle with padded webbing. Sport harnesses use a single lap belt; competition harnesses use two belts separated with a single pad.

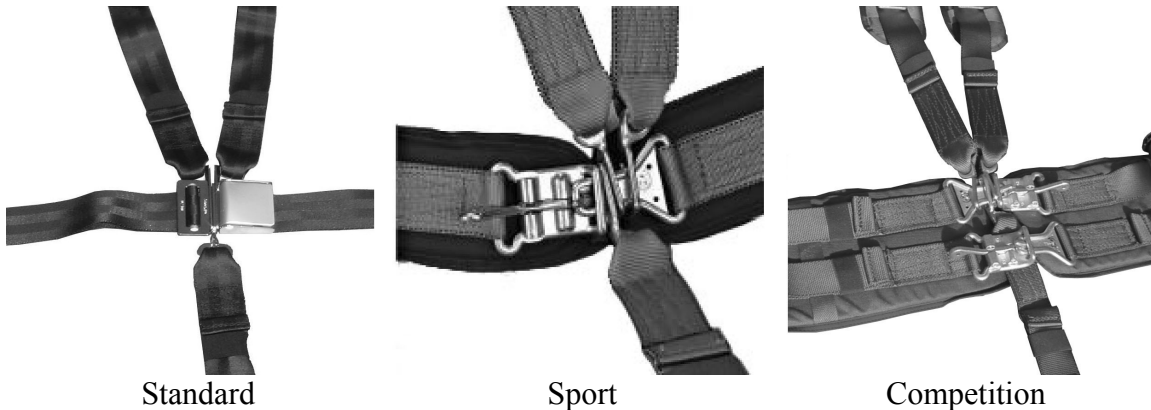


Figure 1, Hooker Harness Types

2. Inspect front lap belt to Figures 2, 3, or 4; correct installation as necessary.
- a) Standard lap belt is secured to the seat attach lug only. The outer belt attach lug is unused for this application. Only a single lap belt is permissible for standard harness installations.

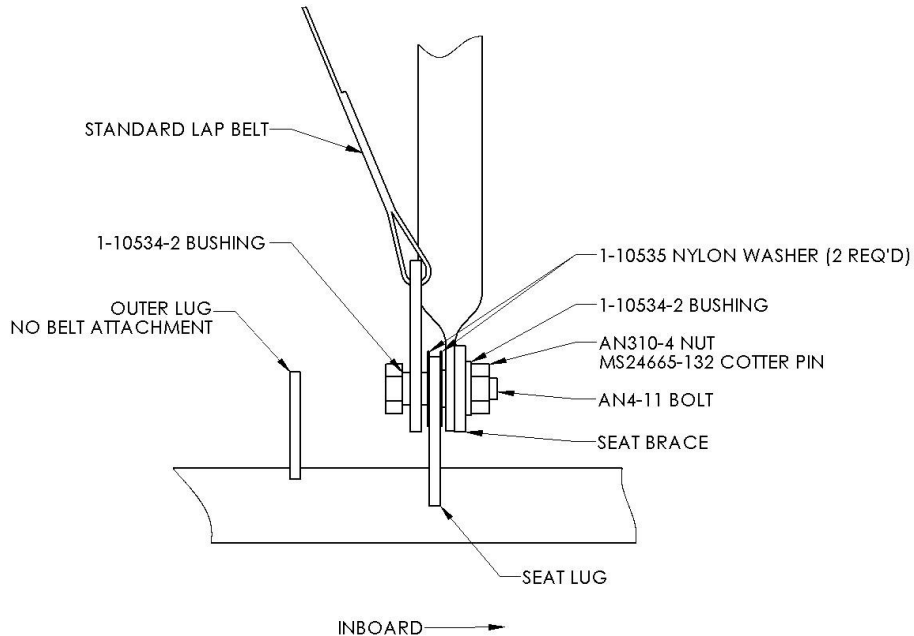


Figure 2, Standard Harness Installation

- b) Sport lap belt is secured to the seat attach lug only. The outer belt attach lug is unused for this application. Only a single lap belt is permissible for sport harness installations.

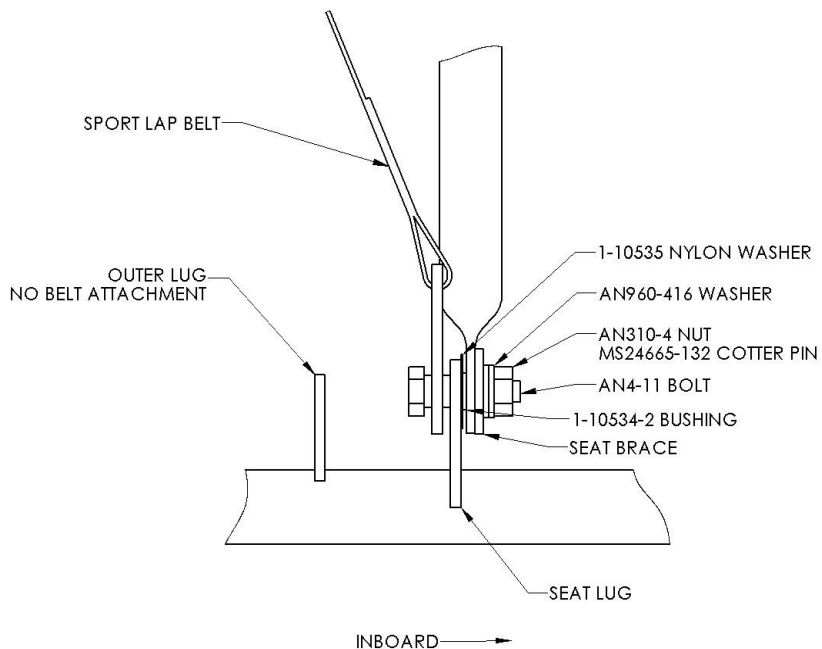


Figure 3, Sport Harness Installation

- c) Verify competition harness (dual lap belt) has a single pad separating the upper and lower belts. Relocate the upper belt attachment to the inside of the outer lug. The lower belt is secured to the seat lug.

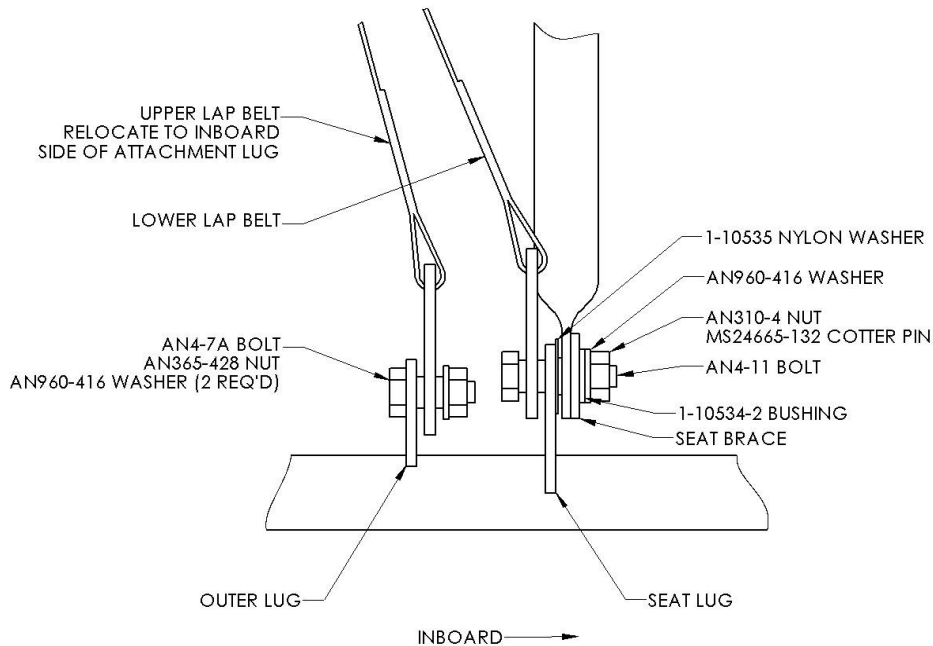


Figure 4, Competition Harness Installation

3. Inspect front seat lap belt for clearance with rear seat rudder pedals.
 - a) Adjust front seat to full forward position.
 - b) With pilot seated fasten and tension harness.
 - c) Apply full left rudder. Verify interference is not present between front lap belt and right rear rudder pedal.
 - d) Apply full right rudder. Verify interference is not present between front lap belt and left rear rudder pedal.

4. Attach Airplane Flight Manual Supplement - Front Seat Lap Belts dated 6-17-10 or later to the Airplane Flight Manual.