

Technical Bulletin
C206/C182 IR-21-1, Rev. A
05/14/2021

TO:

Owners/Operators of Textron Aviation, Inc. C182 and C206 Aircraft equipped with Paravion Technology, Inc. Infrared Sensor System.

SUBJECT:

Imager adaptor to mount adjustment.

REFERENCES:

Paravion Technology, Inc. Infrared Sensor System Installation drawings and instructions per STC # SA00294DE, STC# SA00295DE and Instructions for Continued Airworthiness (ICA) PR-C206IR-120M Rev. 2 dated 11/04/2014, or PR-C182IR-120M Rev. 0 dated 02/10/2009 as applicable or later FAA approved revisions.

INTRODUCTION:

System installer comments indicate a need for clamp-up adjustment between the imager gimbal adaptor plate and the IR-1040-(X) mount assembly.

ADJUSTMENT INSTRUCTIONS:

Referencing installation drawing C182IR-100, or C206IR-100, install the sensor adaptor plate (SX5-606-(X)) to check fit with the IR-1040-(X) mount. There should be just enough movement to easily slide the plate into the mount with some resistance before full engagement. Referencing C182IR-100, or C206IR-100 installation drawing instructions as applicable and Figure 1, engage lock shaft and tighten knob by hand to clamp up on adaptor plate. This should remove any lateral play between the mount assembly and the adaptor plate. Complete installation per C182IR-100 or C206IR-100 drawing instructions as applicable. If the plate still has movement reference Figure 1 and adjust fit as follows:

1. Loosen the six (6) screws of the support angles enough to allow movement. The angles are slotted to permit adjustment.
2. Loosen the two (2) AN3 bolts of the mount stop at the aft end of the mount.
3. Using the adaptor plate for fitment, adjust the angles tight enough to permit sliding engagement with minimal lateral movement.
4. Tighten the angle attachment screws and mount stop bolts. Only if necessary, should spacer washers (NAS1149F0332P) be removed from the mount stop to obtain a snug fit when the adaptor plate is fully engaged. Maximum number of washers is two (2) per side.
5. Check fit of adaptor plate in mount by fully hand tightening locking shaft.
6. Repeat above steps until desired fit is achieved.
7. Torque all loosened fasteners per torque table in ICA.

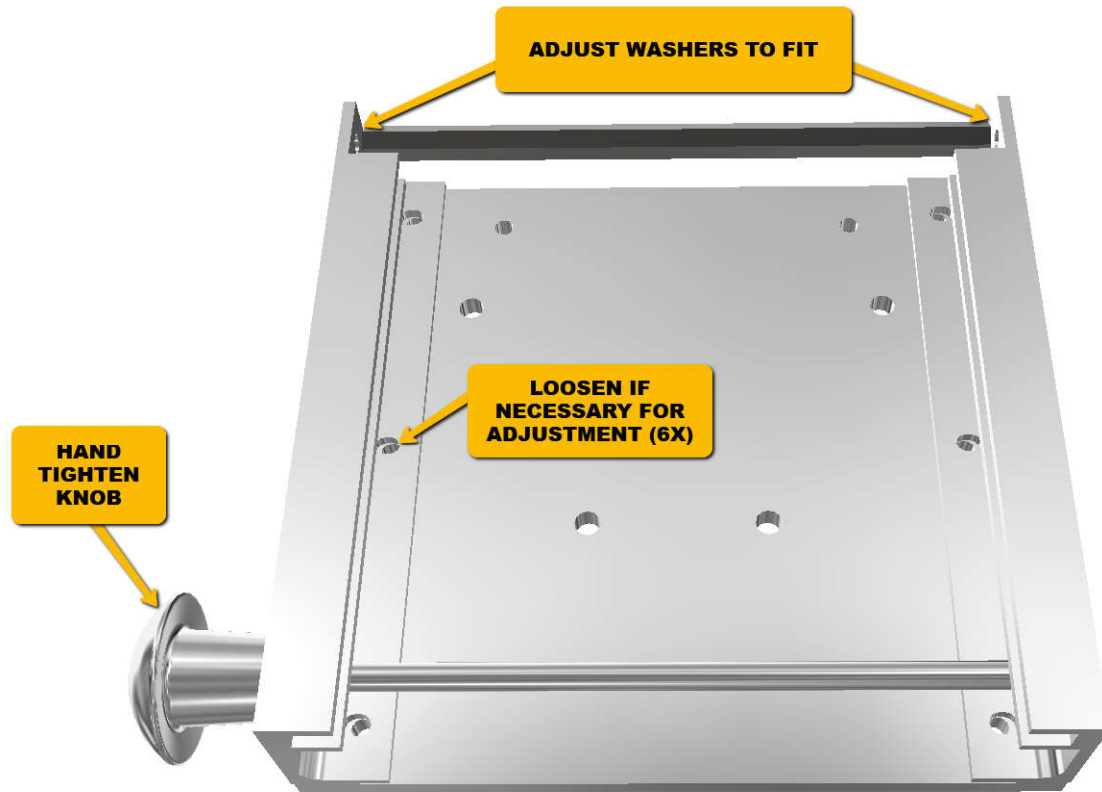


Figure 1 - 206IR-2145-(X) Mount Assembly

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