

187 Ballardvale Street, Suite A260
Wilmington, MA 01887

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Service Bulletin

Date Issued: 5/25/2018 Revision Level: IR

SUBJECT: N00-5300 Camera

MODELS AFFECTED: N00-5300 with either P/N PT-02812VS or L02510ZS Lens installed (new or In service)

COMPLIANCE TIME: Owner/ Operator discretion

APPROVAL: Technical Aspects of this Bulletin approved by Outerlink ECO 2018-015

PURPOSE: To provide better retention of the focus ring allowing the camera to remain in focus

EFFECTIVE DATE: May 25, 2018

INSTRUCTIONS:

- 1) If camera has been installed and the lens assembly accessible, remove the the two thumb screws used for focus and discard. On the smaller diameter focus ring install 1ea set screw P/N 91390A090 (M2X3) where the thumb screw was removed. Do not tighten at this time.
- 2) Remove the large diameter focus ring from the lens by either removing the "C" ring or the front threaded collar retaining the focus ring. The retaining method is dependant upon the P/N lens installed. Using a suitable jig with a HX10 1/16 inch drill bit, starting from the existing hole the thumb screw was removed from, drill two additional holes 120 degrees around the circumference of the focus ring These two additional holes should be $.128" +.010 - 0$ from the inboard end of the ring. Then using a M2 X 0.4 HC tap, tap the drilled holes.
- 3) Reinstall the focus ring onto the camera and secure with either the "C" ring or the threaded collar dependant upon the P/N lens installed. Install three P/N 91390A090 (M2X3) set screws into the holes. One in the existing thumb screw hole and 1 ea in the newly drilled holes. Do not tighten. Then using the focus ring, focus the camera to the desired focus. Using a .035" (.9mm) allen wrench tighten the set screw installed in Step 1. (small diameter ring) . Recheck focus then tighten the three set screws installed in the large focus ring.

If this modification can not be accomplished with the camera installed remove the camera in accordance with the aircraft's applicable ICA . Then accomplish the modification following the applicable portions of steps 1-3. Reinstall the camera and focus after installation.

CAUTION : Do not over torque any of the set screws or damage will occur. Due to camera mounting arrangements in some cases one of the three set screws installed , in the large focus ring, may not be accessible after reinstalling the focus ring or the camera. In this case it is permissible to omit one of the set screw in the large focus ring but a minimum of two is required. If only two of the screws are used, the third may be removed. P/N M07840.020.0002 (M2x2) may be used in lieu of 91390A090 (M2x3)

