

EC 135

SERVICE LETTER

Product-Vapor Cycle Air conditioning Installations

Approval- STC SR09163RC

Part/Kit Number- 135AC-00-011 and 135AC-00-011-1

**Applicability- All EC135P1, P2, P2+, T1, T2, T2+ aircraft
with kit installed**

**Reason- To ensure no interference or chaffing of pitot
static lines in forward left hand side shell adjacent to the
vibration dampers.**

Discussion-

**An initial report of chafing of the pitot static lines in the
forward left hand side shell area has been received from a
Spanish operator. It is unclear if the report concerns one
or two aircraft. The apparent cause of the contact with the
pitot static lines with the vibration damper was the
improper routing of the static lines over the airconditioner
hose leading from the forward evaporator to the door post
adapter that connects the hose to the underside of the of
the copilot door post. This routing made it possible for the
lines to contact the vibration damper weight edge. A series
of pictures are included showing the following**

Picture 1- the area of the aircraft concerned

Picture 2- Copilot collective access hole

Picture 3- Unmodified side shell area

Picture 4- properly installed airconditioning tube

Action-

It is recommended at the earliest convenience or if erratic pitot static system operation is encountered, perform an inspection in the area of the forward weight on vibration absorber.

Procedure-

There are two possible inspection methods.

Method One-

Remove the copilot collective if installed or the collective stick blanking cover in accordance with the proper ECD AMM instructions. With inspection flashlight or other suitable light source look through the access hole (Picture 2) and forward to the hammer. The installation shall be similar to picture 3.

Method Two-

Remove the forward side shell panel (picture 1) in accordance with the ECD AMM. Perform visual inspection of the duct installation and pitot static tube routing. Installation should be similar to picture 2 AND any relevant information found in the ECD AMM relevant to the installation.

Actions after inspection-

If Pitot Static tubes and airconditioner tube is not routed IAW Picture 4, route pitot static lines correctly, correct routing of lines in accordance with the picture 4 AND any information contained in the ECD AMM. Ensure that all tests are conducted as necessary by the ECD AMM required when pitot static system is opened.

After the correction of the routing OR if the inspection revealed a properly installed system, reinstall the forward



side shell panel and the previously removed copilot collective or the collective blank plate in accordance with the ECD AMM. A return to service may be required for the work performed on the pitot static system and the reinstallation of the parts removed for the inspection.

Please report the compliance of this Service letter on the form attached and return to:

**Metro Aviation, Inc.
1214 Hawn Ave
Shreveport, La. 71107
Fax 1-318-222-0503
Attention: Milton Geltz
mgeltz@metroaviation.com**

Relevant Pictures

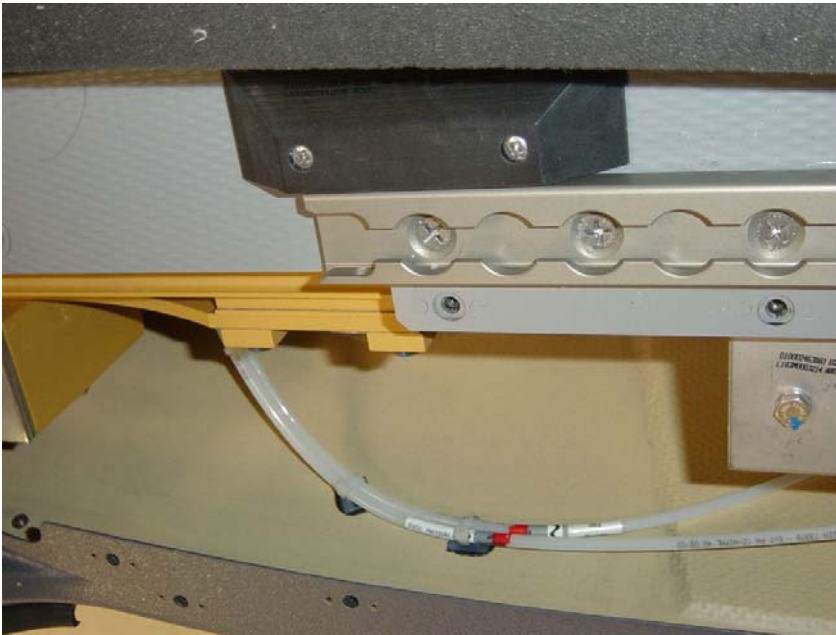
Picture 1



Picture 2



Picture 3



Picture 4





Metro Aviation, Inc.

Record of Compliance and Results Form

Owner/operator _____

Inspection Date _____

Aircraft Serial Number _____

Performed by:

Organization _____

Results:

Satisfactory

Yes _____ No _____

Unsatisfactory

Actions taken _____

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