

Service Bulletin

Service Bulletin: SB EC135-500; Eurocopter EC135 Air Conditioner Forward Evaporator Plumbing Condensation Prevention Modification.

Subject: Forward Evaporator Plumbing Condensation Prevention Modification.

Date: 11, May 2007, Rev N/C

Applicability: Eurocopter Helicopter model EC135 Equipped with the Air Comm Corporation EC135-200 Air Conditioning System.

Reference:

1. FAA / STC # SR00565DE, Eurocopter Helicopter EC135 Air Conditioning System.
2. General Arrangement Installation Dwg. EC135-202
3. Refrigerant Plumbing Installation Dual Evap. Dwg. EC135-500
4. Refrigerant Plumbing Installation Single Evap. Dwg. EC135-502

Compliance: Is at the Discretion of the operator.

I. Discussion:

Operators in the field have noted condensation forming on the exterior surfaces of the (suction) refrigerant lines located below the cockpit area of EC135 helicopter equipped with the Air Comm air conditioner system.

II. Approval:

Technical aspects of this Service Bulletin are FAA / DER approved.

III. Purpose:

To apply a 1/8" layer of ES06022-2 insulation tape to the bare metal surfaces to the suction refrigerant lines to prevent the formation of condensation.

IV. Bill of Materials:

Parts to be installed:

| Item | Part Number | Description | Quantity |
|------|-------------|-----------------|----------|
| 1 | ES06022-2 | Insulation Tape | 60" |

V. Accomplishment Instructions:

NOTE

It will be necessary to access the area below the cockpit floor to accomplish is Service Bulletin. Access is accomplished, by the removal of the belly panel forward of the forward cross tube

Installation:

1 Apply ES06022-2 Insulation tape to all exposed metal surfaces of the suction refrigerant lines (#8 / Large lines), and fittings to prevent the formation of condensation on those surfaces.

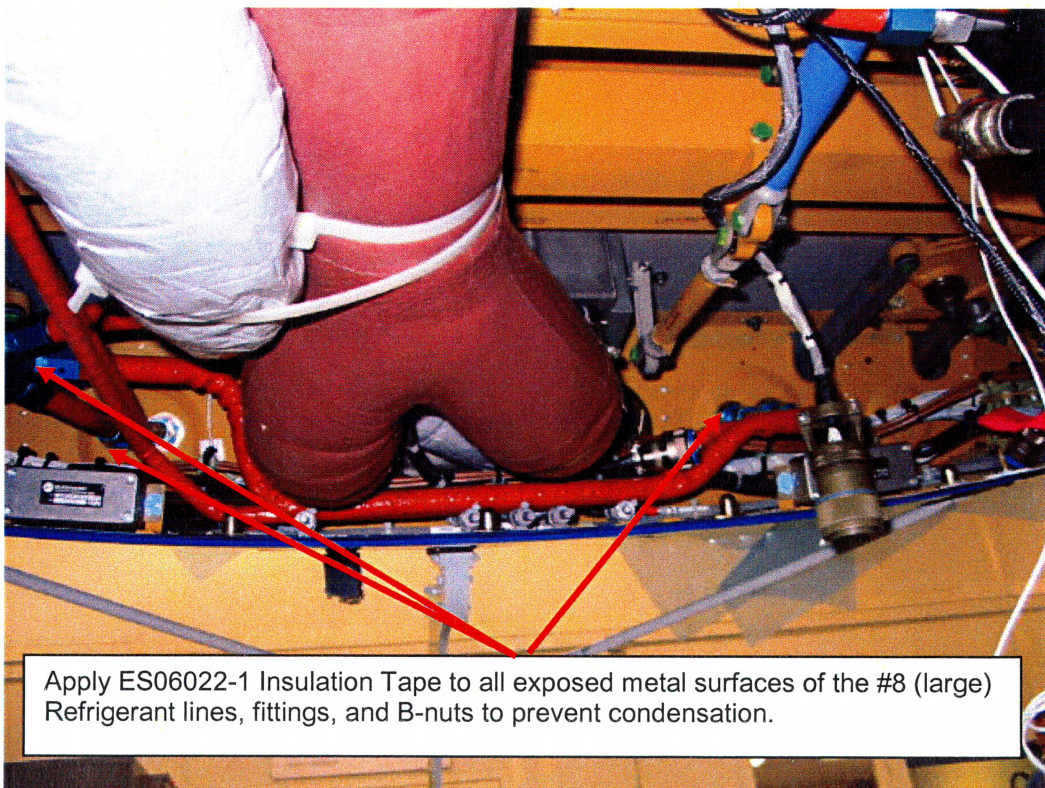


Figure 1-1
View looking forward & up.

Continued

Installation continued:

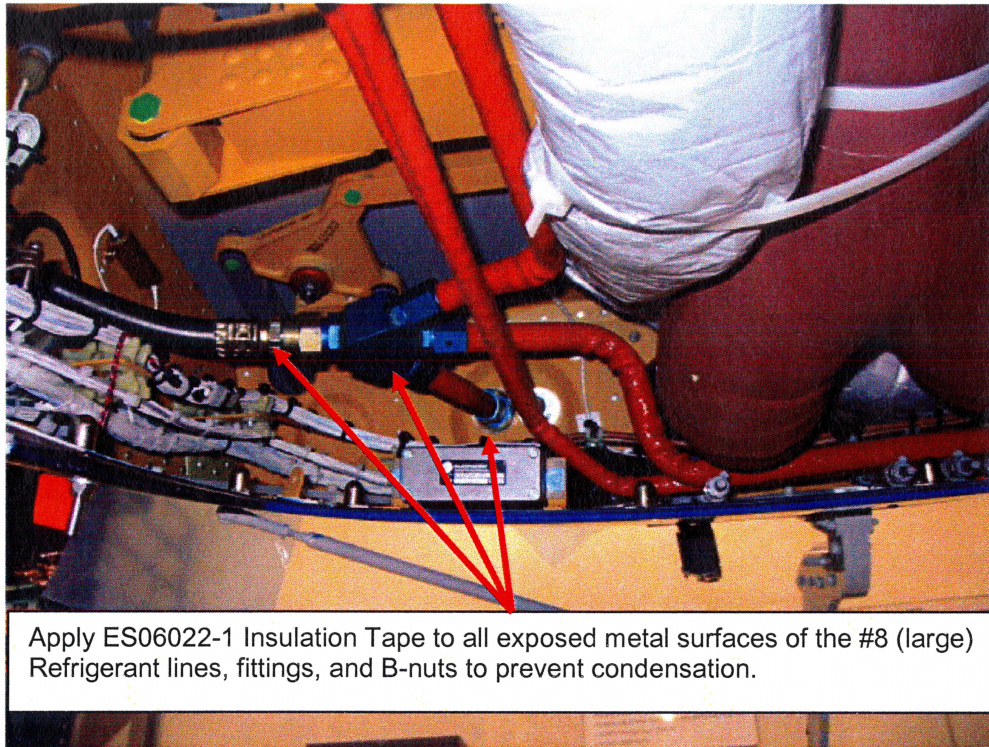


Figure 1-2
View looking forward & up.

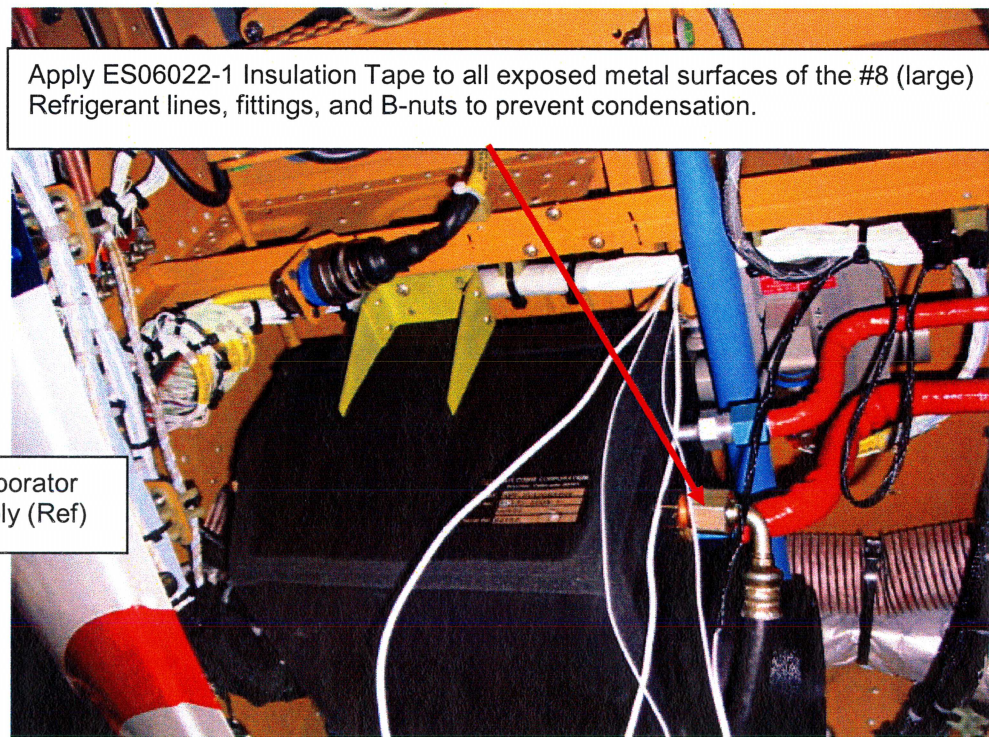


Figure 1-3
View looking aft & up.

NOTE

Reinstall the Belly panel in accordance with the Eurocopter maintenance manual, and return to service.

Weight and Balance:

The weight change for this modification is negligible, and therefore no change to the aircraft weight and balance is required.

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