

Alert Service Bulletin

Title: Inspection and Replacement of Condenser Screen Mounting Screws

Date: 5 October 2011

Applicability: Eurocopter EC145 Air Conditioning Systems

Reference:

1. F.A.A. S.T.C. # SR00601DE
2. EC145-200M-1 Instructions for Continued Air Worthiness
3. EC145 Air Conditioner (Dual Fwd/Aft Evaporators) Drawing : EC145-200
4. EC145 Air Conditioner (Single Fwd/Aft Evaporators) Drawing : EC145-202
5. EC145 Air Conditioner (Dual Fwd/Aft Evaporators) Drawing : EC145-203
6. EC145 Air Conditioner (Single Fwd/Aft Evaporators) Drawing : EC145-204
7. EC145 Air Conditioner (Dual Fwd/Aft Evaporators) Drawing : EC145-205
8. Installation – EC145-704 Condenser

Compliance:

Mandatory within the next supplementary 100 Flying Hour Inspection. Reference Eurocopter Master Servicing Manual (MSN) 05-23-00, 6-1.
HC MBB BK117 C-2 SNs 9098, 9101, 9106, 9107, 9109, 9112, 9116, 9119, 9190, 9193, 9206, 9208, 9213, 9214, 9216, 9219, 9221, 9225, 9244, 9247, 9249, 9252, 9254, 9256, 9257, 9260, 9261, 9262, 9264, 9267, 9269, 9270, 9272, 9273, 9290, 9326, 9328, 9333, 9334, 9336, 9337, 9340, 9341, 9342, 9346, 9349, 9351, 9352, 9354, 9356, 9358, 9366, 9368, 9370, 9371, 9373, 9375, 9376, 9378, 9380, 9381, 9383, 9385, 9386, 9388, 9390, 9391, 9393, 9394, 9396, 9398, 9399, 9402, 9404, 9405, 9416, 9417, 9419, 9420, 9422, 9424, 9436, 9437, 9439, 9440, 9441, 9443, 9444, 9446, 9447, 9449, 9450, 9451, 9453, 9555, 9456, 9458 with STC # SR00601DE installed (verify in log book).

A. Discussion:

Depending on the location of the condenser installation, it is possible for the condenser screen mounting screws to contact the condenser non-structural enclosure. This bulletin allows for the replacement of the longer screws and the reworking of the condenser non-structural enclosure if required.

B. Approval:

The technical aspects of this service bulletin have been FAA approved.

C. Weight & Balance:

The change to the weight and balance of the aircraft is negligible.

Revision	Issue Date	Inserted By	Description of Changes
N/C	1 Sep 2011	MS	Initial Release
1	5 Oct 2011	MS	Changed compliance to mandatory. Added MIL spec to procedure step 5. Changed SB description to "Alert Service Bulletin"
2	9 Oct 2012	RL	Added serial number effectivity

D. Material

BILL OF MATERIALS

Items to be Removed:

Qty.	Part Number	Nomenclature
22	AN525-10R12	Screw

Items to be Installed:

Qty.	Part Number	Nomenclature
22	AN525-10R10	Screw

Replacement parts are available at no charge. Please contact ACC customer service at 303-440-4075.

E. Procedure

1. Remove AN525-10R12 screws from left S-7066EC-102 screen (11 places). Discard screws and retain screen for installation. Repeat for right S-7066EC-102 screen (11 places). See Figure 1
2. Install left S-7066EC-102 screen and AN525-10R10 screws (11 places). Repeat for right S-7066EC-102 screen and AN525-10R10 screws (11 places).
3. Inspect AN525-10R10 screws to ensure 1 thread minimum showing and clearance from the condenser housing.
4. Blend out scratches to the condenser non-structural enclosure as required. Maximum allowable scratch depth is 50% of the .040 inch wall thickness (.020 inches / 0.51 millimeters).
5. Apply surface protection to blended area as required. Reference Eurocopter document number HS7072-100 (Alodine and prime) or MIL-DTL-5541F.
6. Paint the protected surface to match surrounding area.

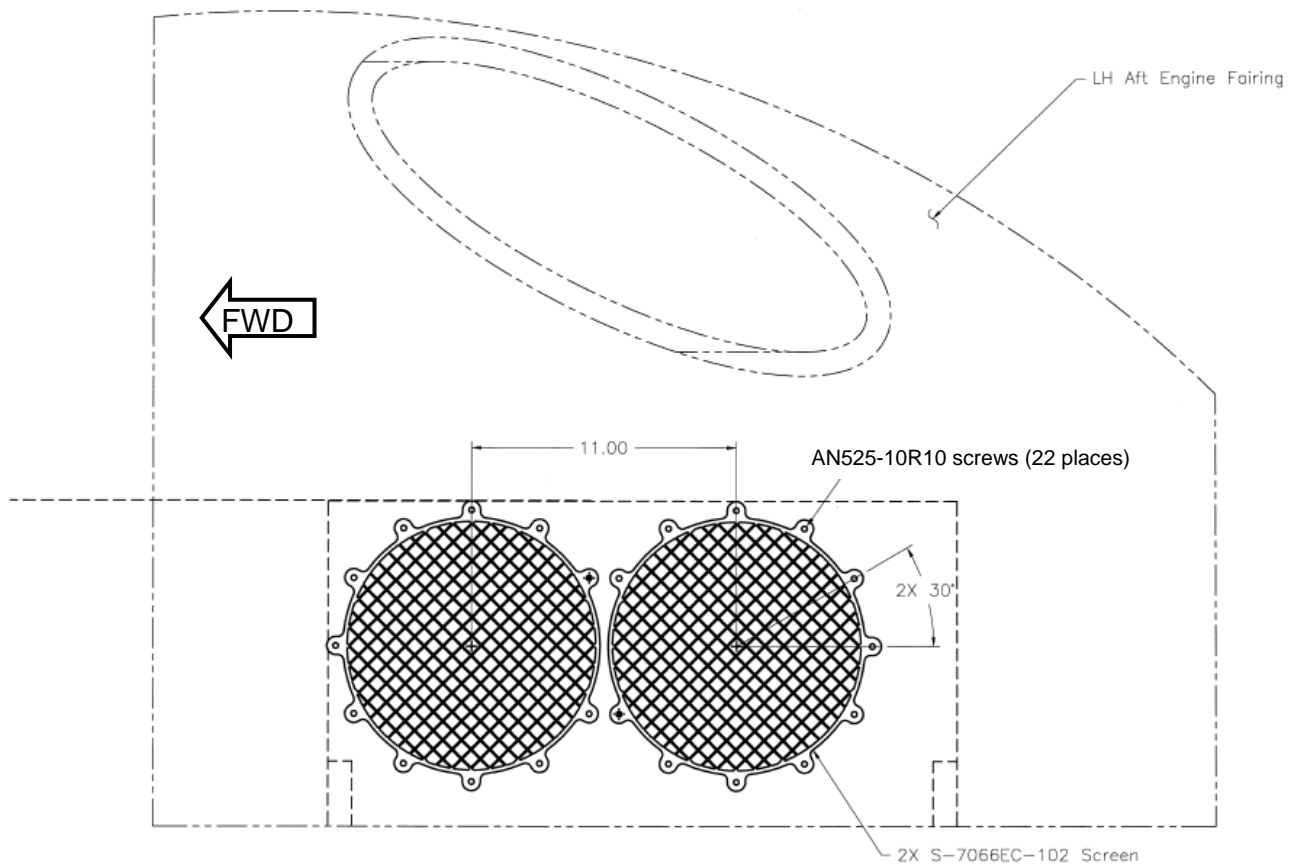


Figure 1
LH Aft Engine Fairing Looking Inboard