

## EC 145

# SERVICE BULLETIN

### Air Conditioning – Installation of New Receiver/Dryer

#### 1. Planning Information

##### A. Effectivity

- 1. Helicopters affected:** Eurocopter EC145 helicopters equipped with a Metro Aviation vapor cycle air conditioning kit, part number 117MM-100-2.
- 2. Components affected:** Air Conditioning System.
- 3. Spare Parts affected:** N/A.

**B. Concurrent Requirements:** Not Applicable.

**C. Reason:** Replacement of Receiver/Dryer.

**D. Description:** Install a new improved Receiver/Dryer.

**E. Compliance:** It is recommended that this service bulletin be incorporated as soon as possible.

**F. Approval:** Metro Aviation Inc.

**G. Manpower:** 1.0 man-hour is required to replace the Receiver/Dryer and service the Freon in the AC System.

**H. Weight and Balance:** Not Applicable.

**I. Electrical Load Data:** Not applicable.

**J. Software Accomplishment Summary:** Not applicable.

**K. References:** Metro Aviation, EC145 Equipment Maintenance Manual.

**L. Other Publications affected:** Not applicable.

**M. Interchangeability of Parts:** The new part supersedes the old part.

#### 2. Material Information



**A. Material - Price and Availability:** Price and availability upon request.

**B. Support Information:** Not applicable.

**C. Material Necessary for Each Helicopter:**

Item No.	New P/N	Description	Old P/N	Qty	Disposition/Instructions
1	74R2536	Receiver / Dryer	4103052 or 085266-00	1	Discard
2	HS-48	Worm Clamp	510280	2	Discard
3	YF-2959	"O" Ring	YF-2959	2	Discard

**3. Accomplishment Instructions:**

- A.** Reclaim current 134A Freon charge from the AC System in accordance with EC145 Maintenance Manual Air Conditioning Part II, Paragraph 3-1.
- B.** Remove aircraft cowling and panels as necessary in accordance with the Airframe Maintenance Manual to gain access to the Receiver/Dryer located on the AC Condenser Assembly.
- C.** Disconnect inlet and outlet Freon Hose connections from previously installed Receiver/Dryer and remove the "O" Rings from hose fittings.
- D.** Remove previously installed Receiver/Dryer and High Pressure Cutout Switch  
Note: The High Pressure Cutout Switch wiring does not require disconnecting.
- E.** Remove High Pressure Cutout Switch from Receiver/Dryer.
- F.** Remove previously installed Worm Clamps from Receiver/Dryer Mount.
- G.** Install High Pressure Cutout Switch onto the new Receiver/Dryer P/N 74R2536
- H.** Install 2ea. new Worm Clamps P/N HS-48 on Receiver/Dryer Mount.
- I.** Install new Receiver/Dryer P/N 74R2536.
- J.** Install 1ea. new "O" Ring P/N YF-2959 on the inlet and outlet Freon Hose Fittings and connect the Inlet and outlet Freon hoses onto the new Receiver/Dryer.
- K.** Charge the AC System using 134A Freon in accordance with EC145 Maintenance Manual Air Conditioning Part II, Paragraph 3-2.