

SERVICE BULLETIN #52

DATE: 2 July 1986

TO: R22 Owners And Operators

SUBJECT: Oil Cooler Mounting Installation.

ROTORCRAFT AFFECTED: Aircraft Serial Numbers 002-557.

TIME OF COMPLIANCE: Within the next 50 flight hours or by 15 September 1986 whichever occurs first.

BACKGROUND: Cracks in the oil cooler mounting flanges have occurred. An improved method has been designed for the installation of the oil cooler.

INSTALLATION INSTRUCTIONS

1. Remove the two AN3-5A, the two AN3-10A bolts and the A668-1 doublers that secure the oil cooler.
2. Carefully inspect the oil cooler mounting flanges (top and bottom) for cracks. Any cracks on the mounting flanges is cause for rejection of the oil cooler. Any cracks in the sheet metal surrounding area must be repaired before continuing with this service bulletin.
3. Install one each AN960-10L washer on each of the AN3-44A and the AN3-41A bolts.
4. Disconnect the oil return line on cylinder number two at the elbow to ease access to the forward side of the oil cooler.
5. Insert one AN3-44A bolt through one hole in the A668-1 doubler.
 - (a) Insert the bolt through one of the bottom mounting flange holes on the forward side of the oil cooler.
 - (b) Install one AN960-10 and one AN960-10L washer on the bolt.
 - (c) Install the A130-49 spacer on the bolt.
 - (d) Insert the bolt through the upper A668-1 doubler.
 - (e) Insert the bolt through the top mounting flange and into the nut plate. Hand tighten.
 - (f) Insert another AN3-44A bolt through the other hole in the doubler.
 - (g) Repeat steps (a) through (e) above for the second AN3-44A bolt.
 - (h) Reconnect the oil return line on cylinder number two.

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