

Service Letter

FAA-DER APPROVED

Service Letter: No. 326

Subject: Inspection of 412AC-5040-3 Accumulator, when installed with Aeronautical Accessories Hoist Kit (P/N 412-150-400).

Date: 12 September 1996

Applicability: Bell Helicopter Model 412

Reference:

1. F.A.A./S.T.C. # SR00066DE, Bell 412 Air Conditioning System.
2. Plumbing Drawing #
412AC-500 (412)

Compliance: Optional, at the discretion of the Operator.

Background: It has come to Air Comm Corporation's attention that the Accumulator assy. (412AC-5040-3). May have an installation interference problem, when installed with the Aeronautical Accessories Hoist Kit (P/N 412-150-400). This document provides the necessary instructions for the inspection, and repositioning if necessary.

Purpose: To inspect and reposition the Accumulator assy. 412AC-5040-3 in the field.

Inspection of Accumulator assy. w/ Aeronautical Accessories Hoist installed

1. Remove main transmission access cowling, to enable the full view of the air conditioner roof top plumbing area.
2. Inspect Accumulator assy. (412AC-5040) to insure clearance of the accumulator body from any studs, rivets, or radius block, that are part of the hoist installation. This should include the attaching air conditioner plumbing.
3. If any portion of the accumulator assy. shows signs of contact, or interference. Remove black insulation and check for damage to accumulator body.
 - a. Any damage to the body of the accumulator is reason for replacement. Contact Air Comm Corporation for replacement price and availability.

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4. If no damage is found reapply insulation to the accumulator body.
5. Reposition lines so that no contact or interference occurs between the aircraft structures and the accumulator assy.
 - a. note: that the air conditioner plumbing lines are made of very soft aluminum, and therefore can be reshaped very easily.

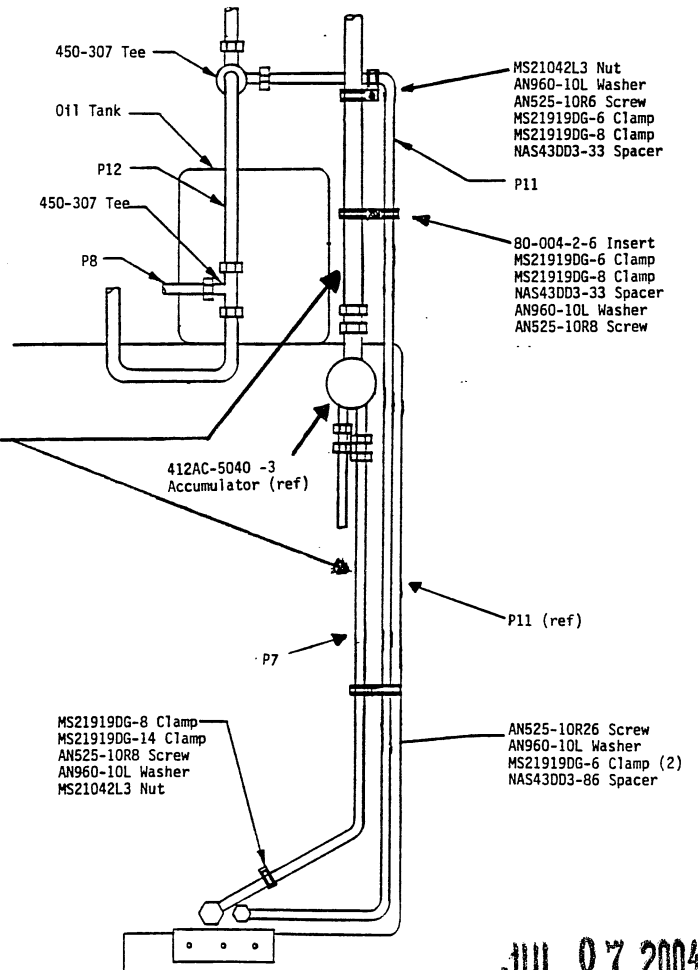
NOTE

An electronic leak detector should be used when ever a line is replace or repositioned to check for refrigeration leaks.

CAUTION

System refrigerant is under pressure, only trained refrigeration personnel should charge & discharge the air conditioner system.

6. If damage is found, discharge system.
7. Replace accumulator using new O-rings, and reposition lines as outlined in step 5 of this service letter.
8. Recharge system with R134a refrigerant & Check for leaks.



Note

If repositioning of lines becomes necessary, make adjustments in the areas indicated.

Caution

Making adjustments to close to the fittings may cause leaks.

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