

SERVICE LETTER #2

DATE: 30 June 1994

TO: All R44 Owners and Operators

SUBJECT: Air Intake Hose Chafing Frame

ROTORCRAFT AFFECTED: R44 Helicopter S/N's 0001 thru 0080

BACKGROUND: RHC has received one report of the engine air intake hose chafing against a lower right-hand frame member, resulting in damage to the frame. RHC has made a design change that, when complied with, will prevent chafing.

COMPLIANCE PROCEDURE:

- 1) Order from RHC one MS21919WDG14 clamp, one MS21919DG56 clamp, one AN960-10L washer, one MS21042L3 nut and two AN3-4A bolts.
- 2) Disconnect the A785-11 engine air intake hose from the C378-1 right-hand engine cowling assembly and remove the cowling assembly.
- 3) Remove the AN3-3A bolt, washer and nut which secures the existing MS21919WDG14 and MS21919DG56 clamps to the A785-11 hose and C046-2 frame. Discard the AN3-3A bolt. Reposition the clamps per Figure 1 and secure with an AN3-4A bolt and existing AN960-10L washer and MS21042L3 nut.
- 4) Position one each additional MS21919WDG14 and MS21919DG56 clamps per Figure 1 and secure with an AN3-4A bolt, AN960-10L washer and MS21042L3 nut.
- 5) Ensure the A785-11 engine air intake hose does not contact the C046-2 lower right hand frame. The hose must also have a minimum of 0.5 inch clearance to engine cooling panels and oil cooler return line.
- 6) Install the C378-1 right hand engine cowling assembly and connect the A785-11 hose.
- 7) Record compliance with the Service Letter in the aircraft's maintenance records.

Approximate Cost:

PARTS: No charge

LABOR: 0.5 manhours

(OVER)

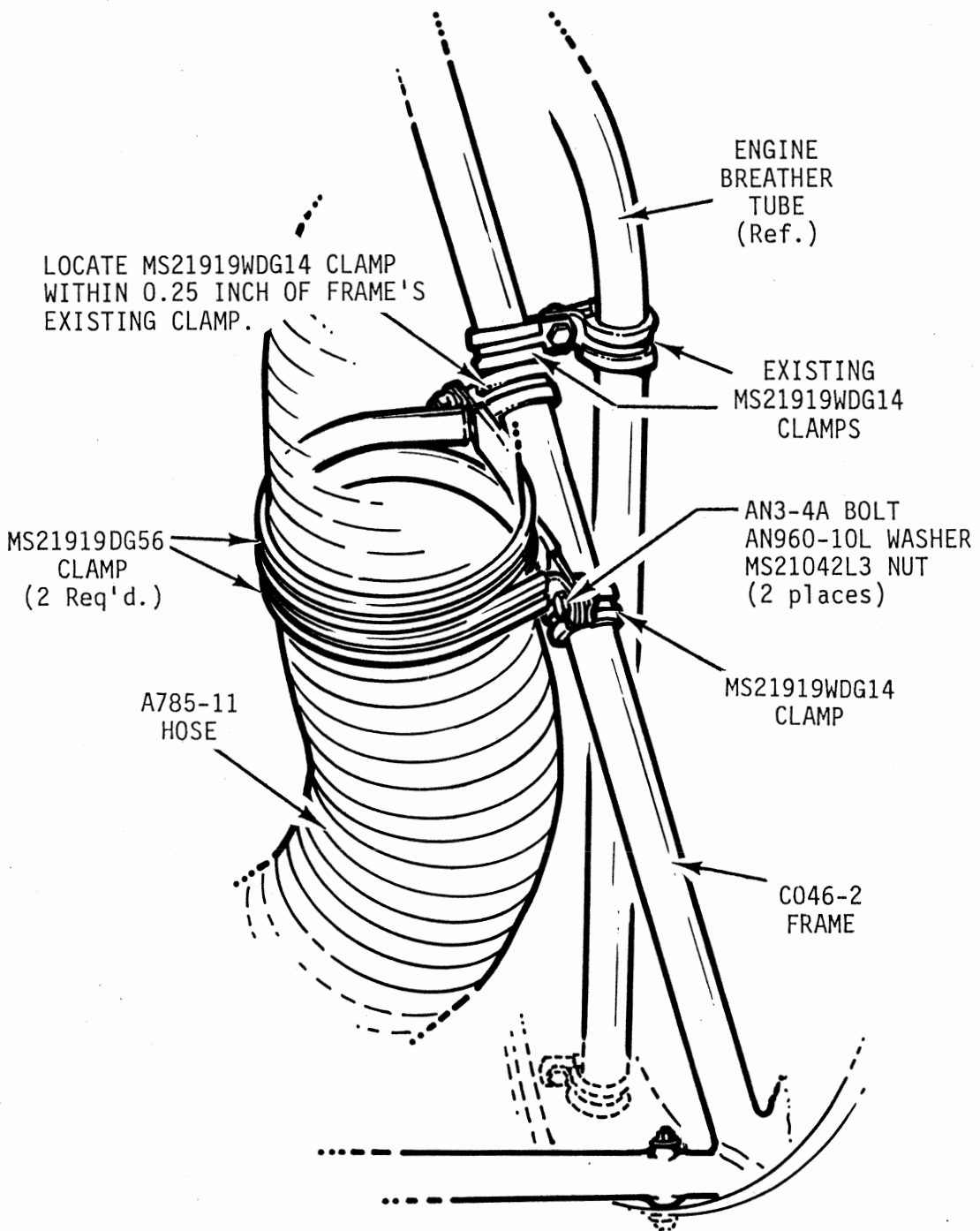


FIGURE 1