



# SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. 0078

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Date: December 13, 1978                      Revised: April 6, 1979

Subject: Fire Wall Inspection

Model: All

Effectivity: Earliest Possible Convenience and at 100 Hour Inspection Thereafter.

It is a mandatory requirement that all portions of the fire wall, both fabric and stainless steel, be kept in good repair for flight safety in the event of an engine fire. A few instances of helicopters with deteriorated and or damaged fire walls have been found in service. In most cases, the indications have been attributed to fire wall curtain abuse during the performance of maintenance work on the helicopter. Maintenance personnel should not lean or stack heavy tools or parts on the fire wall fabric adjacent to the engine shroud.

A visual inspection of this area shall be accomplished at the earliest convenience after the performance of maintenance in the engine compartment and at 100 hour inspections thereafter. Inspect visually the complete firewall curtain checking for deterioration, cracks, tears or holes. Check for fit of the curtain around pylon tubes. Check for security of attachment to cooling shroud, channels, oil filler assembly and fuel lines. Check for loose and missing hardware at all attach points. Check the stainless steel portion for cracks or other damage.

All openings in the fire wall in excess of 1/32 inch are to be repaired. Small openings such as around pylon tubes and small holes may be repaired using silicone silastic. Fire curtains requiring extensive repairs should be replaced.

New fire wall material and silicone silastic may be purchased from Enstrom Customer Service.

Holes up to  $\frac{3}{4}$ " may be repaired using Dow Corning Silicone Selastic. Holes in fabric up to 1" may be repaired by forming round patches of .015" stainless steel allowing  $\frac{1}{2}$ " overlap, and fitting on either side of fabric, coated with selastic and secured with one #6 screw through center. Ref. Drawing "A" where fabric has worn and become frayed around pylon tubes or cable exist pieces of fabric may be formed to fit as needed and attached to existing fabric with screw and washers, seal with selastic. Reference Drawing "B".

Tears in the fabric material which are less than three inches in length may be laced together using .020 stainless steel safety wire & apply selastic to the repaired area on the side away from the engine compartment. Ref. Drawing "C".

Tears in the fabric material in excess of three inches shall be repaired by attaching 1" strips of .015" stainless steel to either side of the fabric, sealing with selastic and securing with screws spaced diagonally 1" apart. Reference Drawing "D".

NOTE: Fire wall material requires removal of all grease and oil before applying selastic sealing compound to insure a good bond.

#### Cleaning Agents

Acetone  
MEK

#### Selastic Sealant

Dow Corning-Silicone Rubber Sealant MIL-A-46106A or equivalent Enstrom P/N 732  
RTV

#### Hardware

AN525-6R6 Screw  
AN960-6L Washer  
AN364-632 Nut

