

**HUGHES  
SERVICE INFORMATION  
NOTICE**

NOTICE NO. HN-84

DATE 5/5/75

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**SUBJECT:** INSPECTION - HINGES PN 369A8437, ENGINE AIR  
FILTER BY-PASS DOOR.

**MODELS AFFECTED:** 369HE Helicopter Serial No. 0101E through 0215E  
369HS Helicopter Serial No. 0001 and 0002,  
0101S through 0711S  
369HM Helicopter Serial No. 0001 through 0004,  
0005M through 0270M.

**TIME OF COMPLIANCE:** Part I. INSPECTION - Within next 50 hours of helicopter  
operation on a one time basis.  
  
Part II. REPLACEMENT - Contingent on result of  
Inspection; as soon as practical following receipt of parts.

**PREFACE:** This Service Information Notice describes an inspection of the hinge for  
evidence of corrosion. Field Reports indicate that adverse environmental  
conditions can cause heavy corrosion of the aluminum hinge currently in  
use. A new stainless steel hinge has been designed and is available as a  
spares replacement part and for production aircraft.

Installation of the new hinge is recommended to preclude the condition  
described above.

**Reference**

369 Series - HMI Appendix A, Issued 1 October 1972, Revision 3, 1 August 1974

PARTS LIST  
(Procure as Required)

<u>Nomenclature</u>	<u>Part Number</u>	<u>Qty</u>	<u>Manufacturer</u>
Hinge	369H2093	2	HH
Screw	MS24693C278	8	Commercial
Washer	AN960PD10L	8	Commercial
Nut	NAS1291C3M	8	Commercial

MATERIALS

Primer, zinc chromate		AR	Commercial
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PROCEDURE

PART I. INSPECTION

- a. Open engine air filter by-pass door.
- b. Using flashlight and mirror, inspect hinges for evidence of corrosion.
  1. Light corrosion may be removed and a protective coating applied to the hinge.
  2. Hinges showing moderate to heavy corrosion shall be replaced.

NOTE

Hughes recommends the replacement of aluminum hinges with the stainless steel version to preclude future corrosion problems be accomplished as soon as possible.

- c. Record compliance with Part I of this Service Information Notice in compliance section of helicopter Log Book.

PART II. REPLACEMENT

- a. Disconnect engine air filter by-pass door opening mechanism.
- b. Remove four nuts, washers and screws securing door hinges to aircraft structure, remove door from aircraft.

CAUTION

Hardware ingested into engine will cause damage.  
Exercise care so as not to lose hardware.

- d. Remove four nuts, washers and screws securing hinges to door, remove hinges from door.
- e. Using zinc chromate primer, install new hinges, reinstall door in reverse order of removal.
- f. Perform an operational check of by-pass door latching and opening mechanism.
- g. Record compliance with Part I and Part II of this Service Information Notice in compliance section of helicopter Log Book.

WEIGHT AND BALANCE

Not Affected