



HUGHES SERVICE INFORMATION NOTICE

NOTICE NO. N-88.1*

DATE November 10, 1971

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*Supersedes Service Information
Notice No. N-88,
Dated March 22, 1971

FAA APPROVED

SUBJECT: 100-HOUR INSPECTION - ENGINE EXHAUST SYSTEM

The following helicopters equipped with 269A4201 or
269A4869 Exhaust Heater Installation:

MODELS AFFECTED: 269A Helicopter Serial Nos. 0011 thru 0314
269A-1 Helicopter Serial Nos. 0004 thru 0041
269B Helicopter Serial Nos. 0001 and subsequent
269C Helicopter Serial Nos. 0001 and subsequent

TIME OF COMPLIANCE: Shall be accomplished at each and every 100-hour
periodic inspection, following initial 50-hour inspec-
tion and modification in compliance with Notice No. N-88.

PREFACE:

The information given in this Service Information Notice lists a procedure for a 100-hour periodic inspection of the engine exhaust system with an exhaust heater installed. The purpose of this mandatory inspection is to ensure the proper condition of exhaust manifolds enclosed in the muff jacket, and preclude the possibility of carbon monoxide being ingested into the cabin via the heater system. Instructions for modifying the upper heater jacket and for reducing the amount of attaching hardware required, are also included to facilitate separation of heater jackets for inspection of the exhaust manifolds.

Reference

269 Series - Basic Handbook of Maintenance Instructions, Revised 1 August 1971
269 Series - HMI Appendix A, Revised 1 August 1971
269 Series - HMI Appendix B, Revised 1 August 1971

(|) Denotes portion of text added or revised

CUSTOMER SERVICE DEPARTMENT • HUGHES TOOL COMPANY • AIRCRAFT DIVISION • CULVER CITY, CALIFORNIA

PARTS LIST

<u>Nomenclature</u>	<u>Part Number</u>	<u>Quantity</u>
Screw	NAS1096-3-8	A/R
Washer	AN960-10	A/R
Nut, Clip	RM52LHA4972-5-3 (ESNA)	A/R
** Rivet	MS20427F6	1

** Applicable 269A4869 Exhaust Heater Installation only

TOOLS & EQUIPMENT

Stapler, hand or power	Commercial
Staples, heavy duty	Commercial

MATERIALS

Primer, zinc chromate	H. P. Fuller Co. or equivalent
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PROCEDURE

NOTE

Removal of exhaust stacks from engine exhaust flanges may facilitate removal of lower heating jacket; identify shim washers, if removed, for reinstallation at original locations.

- a. Remove attaching hardware securing upper and lower heater jackets at flanges and in recessed area of jacket assembly.
- b. Remove lower heater jacket.
- c. Inspect exhaust stacks for cracks, holes, damage, evidence of leakage; inspect exhaust flanges and flange mounting studs; check integrity and condition of wall thickness of exhaust stacks. Pay particular attention to section of exhaust stacks enclosed within heater jacket.

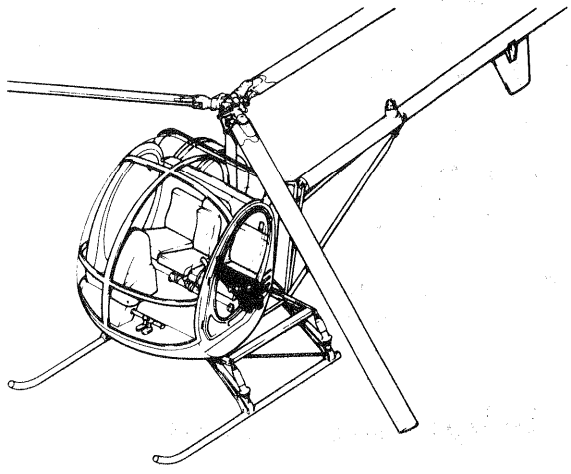
NOTE

Perform the following modification of the upper heater jacket, unless previously accomplished:

1. Staple existing gaskets to flanges of upper heater jacket (See Figure 1).
 2. For 269A4891 heater jacket only, install 269A4332 bracket to upper jacket with rivet as shown.
- d. Reinstall lower heater jacket, using eight (8) or nine (9) screws, washers and nuts as shown; additional screws, washers and nuts may be installed if added security is desired. Clip nut to upper jacket.
- e. As required, reinstall exhaust manifolds to exhaust flanges; install shim washers, if used, at original locations.
- f. Record compliance with this Service Information Notice No. N-88.1 in Compliance Record of helicopter Log Book.

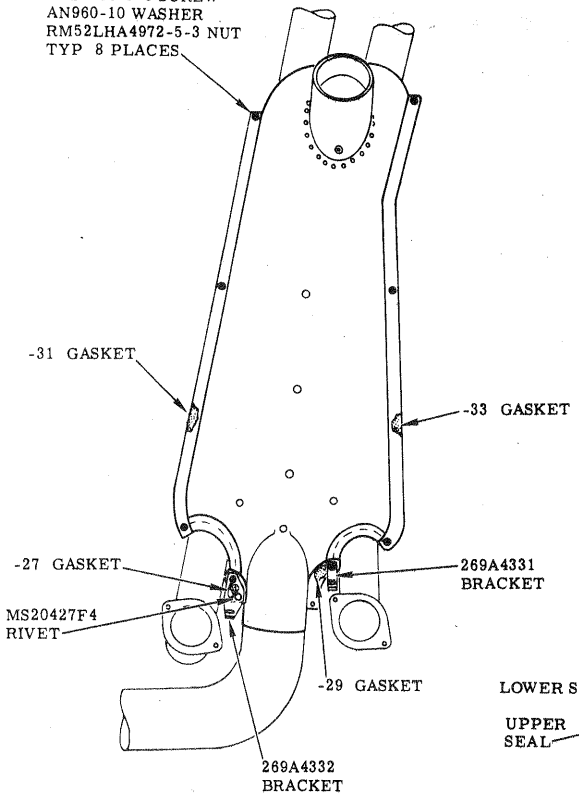
WEIGHT & BALANCE DATA

Weight and balance not affected.

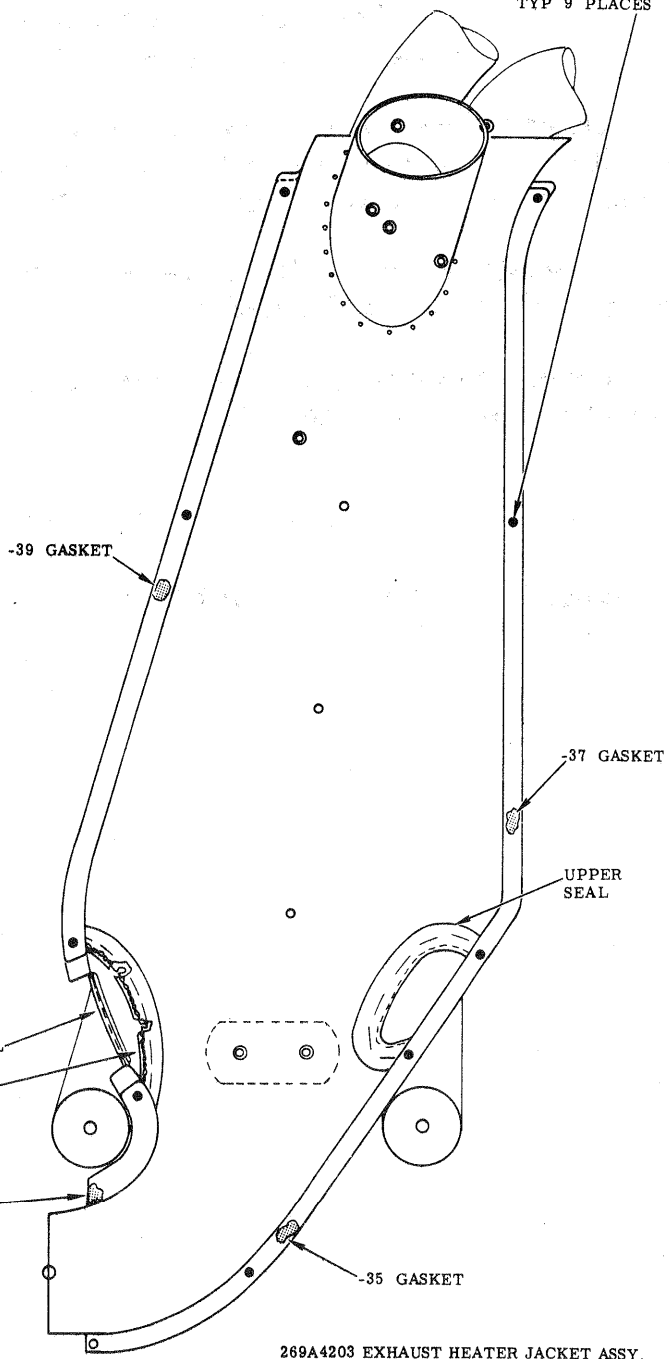


NAS1096-3-8 SCREW
 AN960-10 WASHER
 RM52LHA4972-5-3 NUT
 TYP 9 PLACES

NAS1096-3-8 SCREW
 AN960-10 WASHER
 RM52LHA4972-5-3 NUT
 TYP 8 PLACES



269A4891 EXHAUST HEATER JACKET ASSY.
 (269A4869 EXHAUST HEATER INSTALLATION)



269A4203 EXHAUST HEATER JACKET ASSY.
 (269A4201 EXHAUST HEATER INSTALLATION)

FIGURE 1. MODIFICATION - EXHAUST HEATER JACKET ASSEMBLY.