HUGHES SERVICE INFORMATION NOTICE

NOTICE NO. N-58
DATE Sept. 12, 1968

SUBJECT: INSPECTION-TAIL ROTOR BLADE ASSEMBLY, P/N 269A6124

MODELS AFFECTED: All 269 Series Helicopters equipped with tail rotor blade assembly having Serial Number 126-3312 or lower.

TIME OF COMPLIANCE:

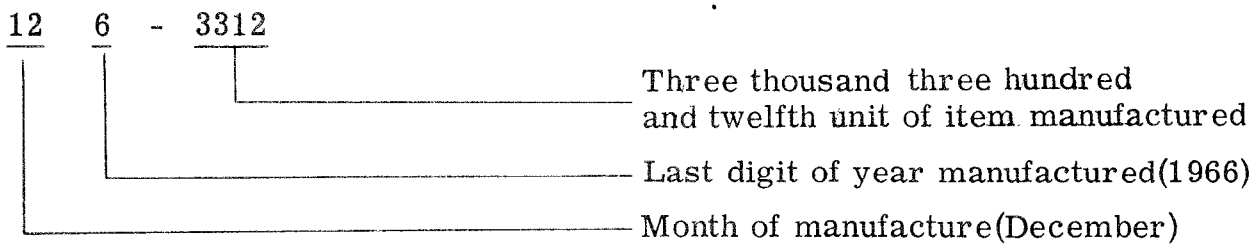
STEP I - Shall be accomplished within next 25 hours of helicopter operation.

STEP II-Shall be accomplished at each subsequent 25 hours of helicopter operation following compliance of STEP I.

PREFACE:

The information given in this Service Information Notice lists a procedure for inspection of subject tail rotor blade assemblies to assure that critical blade skin area bonded to steel spar is free of voids or meets void acceptance criteria.

It is noted that the Serial Number which identifies each tail rotor blade assembly consists of six or seven digits. The first two or three digits indicate date of manufacture, and are used for manufacturing information only. The last four digits, as noted below, define the sequence of manufacture and are used for identification purposes.



FORM NO. 9578A HTC AD REV 11-67

Reference

269A/A-1/TH-55A Handbook of Maintenance Instruction, Revised 1 June 1968
269A-2 Handbook of Maintenance Instruction Addendum, Issued 1 April 1967
269B Handbook of Maintenance Instruction, Reissued 1 April 1968 and Revised 1 July 1968

MATERIALS

Tape, abrasive	No. 471-2, 3M Company
Solvent-MEK or equivalent	Commercial
Tape, masking - 1/2" width	Commercial
Cloth - clean, soft, lint-free	Commercial

PROCEDURE

STEP I - TAIL ROTOR BLADE REWORK AND INSPECTION

a. Carefully peel existing abrasive tape from both tail rotor blades. (See Figure 1).

CAUTION

Do not damage or remove stainless steel leading edge abrasion strip.

b. Apply masking tape, per dimensions shown, to both sides of tail rotor blade fiberglass skin assembly and around spar.

c. Using cloth dampened in solvent, wipe and remove paint from fiberglass skin area two inches from inboard edge on each side of the tail rotor blade; remove masking tape.

d. Visually inspect the unpainted area of the fiberglass skin which covers the steel spar, for evidence of voids. (See shaded area, Figure 1)

CAUTION

Remove and retire tail rotor blade from service, if either of the following is noted:

(1) More than one void is found in the unpainted area of the fiberglass skin.

(2) Size of void exceeds 0.50 square inch in area or 1.00 inch in length.

NOTE

A void is identified by a white or yellow appearance in the fiberglass skin. Normal bond will show the dark gray or black of the steel spar through the fiberglass skin. Record measurement of acceptable void for recheck at subsequent 25-hour inspection.

e. Install new abrasive tape to tail rotor blades, per HMI.

STEP II - TAIL ROTOR BLADE INSPECTION

a. Visually inspect the unpainted area of the tail rotor blade fiberglass skin which covers the spar, for evidence of voids. (See shaded area, Figure 1)

CAUTION

Remove and retire tail rotor blade from service, if any one of the following is noted:

(1) More than one void is found in the unpainted area of the fiberglass skin.

(2) Size of void exceeds 0.50 square inch in area or 1.00 inch in length.

(3) Void found within acceptable criteria at previous inspection has since propagated or increased in size.

NOTE

A void is identified by a white or yellow appearance in the fiberglass skin. Normal bond will show the dark gray or black of the steel spar through the fiberglass skin. Record measurement of acceptable void for recheck at subsequent 25-hour inspection.

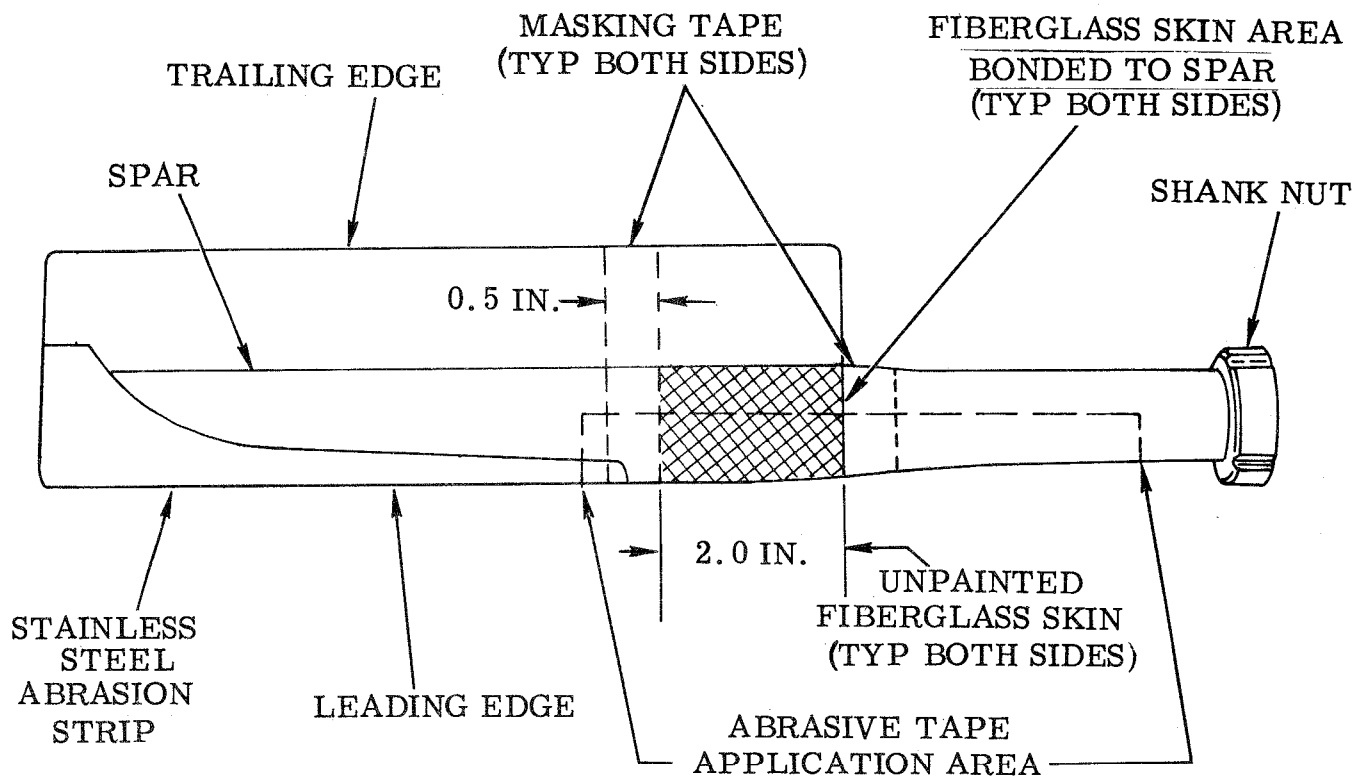


FIGURE 1. INSPECTION-TAIL ROTOR BLADE ASSEMBLY