

ROBINSON HELICOPTER COMPANY  
24747 CRENSHAW BLVD.  
TORRANCE, CA 90505

SERVICE LETTER # 3

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DATE: July 22, 1980

SUBJECT: Tail rotor control pedals

ROTORCRAFT AFFECTED: Model R22 S/N 0003 through 0008

TIME OF COMPLIANCE: Immediately

MATERIALS REQUIRED: Pedal assembly P/N A330-1  
Pedal assembly P/N A330-2  
Molygrease P/N A257-1  
Mechanics hand tools

INSTALLATION PROCEDURE:

Remove pedals for return to RHC and install the new units as follows:

1. Remove the landing light cover, belly cover and cabin cover between the seats (horizontal).
2. Drill out the pop rivets holding the landing light bracket to the fiberglass chin with a #30 drill bit and remove.
3. Remove the two NAS 1304-9 bolts holding the tail rotor push-pull (p-p) tubes to the A317-1 tail rotor bellcrank.
4. Pull the left tail rotor pedal aft and through the landing light access in the chin. Disconnect the NAS 1304-9 bolt that holds the A121-11 p-p tube to the left pedal assembly.
5. Leaving the left pedal in the full aft position, pull the right pedal fully aft and disconnect the NAS 1304-9 bolt that holds the A121-9 tube to the right pedal assembly.
6. Remove both p-p tubes from the aircraft through the chin access.
7. Lift carpet carefully from the floor on both sides and remove from the cabin.
8. Remove the eight (8) screws that hold the access plates between the pedal assemblies and remove the plates.
9. The next step will require two (2) people: With someone holding the NAS 1303-20 bolts from above, that hold the A318-1 bearing block halves together, reach through the chin access and remove the NAS 679-A3 nuts.
10. Remove the lower bearing block halves.
11. Remove the tail rotor pedals one at a time by lifting one end and allowing the other to drop into the chin. They can be removed from either the right or the left side. NOTE: On reassembly the A330-2 pedal assembly is mounted forward in the bearing blocks and the A330-1 is mounted aft.

12. Reinstallation will be the reverse of the preceding procedure.

NOTE: On reinstallation, be sure to match the bearing block halves by matching the stamped number or letter on the outboard side of the lower blocks with the corresponding number or letter on the upper block.

13. At this time it is recommended that the bearing blocks be regreased with Molygrease, Robinson P/N A257-1.

DISPOSITION OF REMOVED PARTS: Return to Robinson Helicopter Company  
24747 Crenshaw Blvd.  
Torrance, CA 90505