

M A N D A T O R Y  
SERVICE BULLETIN #25

Date: October 26, 1982

To: All owners and operators of Robinson R22 Helicopters

Subject: Low RPM Warning Unit Readjustment

Rotorcraft Affected: Robinson Helicopters Serial No. 0002 thru 0307

Time of Compliance: ~~During the next 25 flight hours~~

**IMMEDIATE ACTION REQUIRED**

Background: Accidents have occurred because the pilot allowed his RPM to become too low before taking corrective action. Raising the RPM at which the warning unit activates will give the pilot more time to react and also facilitate training of students in RPM recovery techniques.

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Procedure

Readjust the RPM at which the low RPM warning horn sounds as follows:

1. Remove the two screws holding forward portion of upper console to lower console.
2. Raise the upper console.
3. From the left side of the helicopter, look inside upper console for the low RPM encapsulated unit which is mounted inside the right side panel of the upper console.
4. Rotate the small adjusting screw until the low RPM horn sounds at  $95\% \pm 1\%$ .
5. With the collective raised slightly (about  $\frac{1}{2}$  inch), the horn should sound when the rotor RPM is below  $95\% \pm 1\%$  and turn OFF above  $95\% \pm 1\%$ .
6. After adjustment is completed, reinstall the two console screws.