



THE ENSTROM HELICOPTER CORPORATION
TWIN COUNTY AIRPORT, P.O. BOX 490, MENOMINEE, MICHIGAN 49858

SERVICE INFORMATION LETTER

SERVICE LETTER NO. 0039

Date: May 22, 1974
Subject: Setting Autorotative RPM
Model: F-28A & 280
Effectivity: All Serial Numbers

The purpose of this letter is to call your attention to a change forthcoming in the Maintenance Manual on page MM-11-21 covering "Procedure for Setting Autorotation" (RPM) The following constitutes the new instructions:

- a. Load helicopter with two people and full fuel (2,000 lbs gross wt approx.)
- b. Enter autorotation at altitude adequate for stabilized autorotation at 58 MPH.
- c. Acceptable rotor RPM is 345 to 355; 350 to 360 with leading edge tape.
- d. Adjust rotor RPM (if out of range) by turning rod end in pitch links (main rotor hub) in or out. One full (360°) turn of rod end (not pitch link barrel) will change autorotative rotor speed by 10 RPM

Paragraph "n" is now deleted as the preferred method of adjusting autorotative RPM is by adjustment of the pitch links at the rotor hub.

It is assumed that adjustment of autorotative RPM is done at sea level standard day conditions and at 2,000 lbs. gross wt. If other than standard conditions are observed, the following corrections can be made:

- a. 1,000 ft. increase in density altitude will increase the autorotative RPM by 5.
1,000 ft. decrease in density altitude will decrease the autorotative RPM by 5.
- b. 100 lbs. increase in gross weight will increase the autorotative RPM by 10.
100 lbs. decrease in gross weight will decrease the autorotative RPM by 10.