

Saturday, May 9, 2026

Low RPM Recovery

Purpose and Objective

We practice Low RPM recovery to develop an understanding, reaction, and recovery for the Low RPM conditions.

Maneuver

1. It is recommended to do this during level flight or a stationary hover.
 2. Slowly begin to roll the throttle down.
 3. Continue to decrease the throttle smoothly and slowly down to 97%, or until the student recognizes the indications of Low RPM.
 4. Once the student recognizes Low RPM, the recovery process is to simultaneously:
 1. Lower collective slight.
 2. Roll throttle on.
 3. Apply aft cyclic if needed.
 5. Once satisfied with the recovery, the instructor will announce “Low RPM over”.
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Common Errors

- Not identifying the early indications of Low RPM.
 - Incorrect recovery technique.
 - Not rolling the throttle on.
 - Entering an autorotation.
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Performance Standards

Private Pilot for Rotorcraft Category Helicopter Rating ACS, Area of Operation VIII, Task F.

Highlights

- Detect the development of low RPM and initiate prompt corrective action.
- Return rotor RPM to normal limits.

