

ENGINE FAILURE - HOVERING IN GROUND EFFECT

• INDICATIONS:

1. Left yaw.
2. ENG OUT warning light illuminated.
3. Engine out audio (If functional) activated when GAS PRODUCER drops below 55% RPM.
4. ROTOR RPM decreases with ROTOR LOW caution light and audio on when ROTOR drops below 90% RPM.
5. Engine instruments indicate power loss.

• PROCEDURE:

1. Maintain heading and landing attitude.
2. Collective - Adjust to control rate of descent and cushion landing. It is recommended that level touchdown be made prior to passing through 70% ROTOR RPM.
3. Land.
4. Shut down helicopter.

ENGINE FAILURE - OUT OF GROUND EFFECT

• INDICATIONS:

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5. Engine instruments indicate power loss.

• PROCEDURE:

1. Maintain heading and attitude control.
2. Collective - Adjust as required to maintain 90 to 107% ROTOR RPM.
3. Apply collective pitch as flare effect decreases to further reduce forward speed and cushion landing. It is recommended that level touchdown be made prior to passing through 70% ROTOR RPM. Upon ground contact, collective pitch shall be reduced smoothly while maintaining cyclic in neutral or centered position.

CAUTION

EXCESSIVE GROUND RUN WITH COLLECTIVE UP OR ANY TENDENCY TO FLOAT FOR LONG DISTANCE PRIOR TO GROUND CONTACT SHOULD BE AVOIDED.

NOTE

ROTOR RPM maintained at the high end of the operating range will provide maximum rotor energy to accomplish the landing, but will cause an increased rate of descent.

4. Cyclic - Adjust to obtain desired autorotative AIRSPEED.

CAUTION

AVOID LARGE FORWARD CYCLIC INPUTS UNTIL COLLECTIVE IS FULLY DOWN AND ROTOR DECAY HAS CEASED.