12. START PUMP-AS REQUIRED

13. EXTERIOR AND ANTI-COLLISION LIGHTS —AS DESIRED

ENGINE RUN-UP

1. BATTERY SWITCH - BATT

2. DISCONNECT APU (IF UTILIZED)

3. GENERATOR - ON, CAUTION LIGHT OUT

4. RADIOS AND HEADSET - ON

5. THROTTLE — FULL OPEN (SLOWLY)

NOTE: STABILIZE IDLE FOR 1 MINUTE IF ENGINE HAS BEEN SHUT DOWN FOR OVER 15 MINUTES

 GOVERNOR BEEP RANGE — MAX. 104% OR MORE, MIN. 98% OR LESS

7. LOW ROTOR WARNING - ON AT 98% ± 1% N2

8. AUTO RE-IGN, AMBER RE-IGN LIGHT ILLUMINATES.

9. N2 RPM - RESET TO 102%. RESET AUTO RE-IGN

PRIOR TO TAKE - OFF

1. CAUTION AND WARNING LIGHTS - OUT

2. INSTRUMENTS - ALL IN THE GREEN

3. CYCLIC CONTROL — FRICTION OFF, CHECK CONTROL RESPONSE FOR CORRECT MOVEMENT AND TRACK

4. COLLECTIVE CONTROL - FRICTION OFF

5. AREA - CHECK CLEAR

ENGINE SHUT - DOWN

1. THROTTLE - GROUND IDLE FOR 2 MINUTES

2. COLLECTIVE - CHECK FULL DOWN, FRICTION ON

3. CYCLIC - NEUTRAL, FRICTION ON

4. THROTTLE — CLOSE TO CUT — OFF (MONITOR TOT UNTIL N1 SPEED INDICATES ZERO AND TOT HAS STABILIZED)

5. ENGINE OUT WARNING - NOTE AT 55% N1

6. GENERATOR SWITCH - OFF

7. SWITCHES, RADIOS, AND ALL ACCESSORY EQUIPMENT - OFF

8. BATTERY SWITCH - OFF

 ROTOR BRAKE — APPLY AT 205 RPM OR LESS. RELEASE DURING LAST REVOLUTION. CAUTION: DO NOT USE COLLECTIVE PITCH TO SLOW ROTOR

