

## NORMAL PROCEDURES CHECKLIST

### PRE-START

1. ROTOR BLADES ..... UNTIED
2. DOORS ..... SECURE
3. SEATBELTS / HARNESSSES ..... SECURE
4. FUEL SHUT-OFF VALVE ..... ON
5. CYCLIC & COLLECTIVE FRICTION ..... OFF
6. CYCLIC, COLLECTIVE, & PEDALS ..... FULL & FREE TRAVEL
7. THROTTLE ..... FULL & FREE TRAVEL
8. COLLECTIVE ..... FULLY DOWN & FRICTION ON
9. CYCLIC ..... NEUTRAL & FRICTION ON
10. PEDALS ..... CHECK SECURITY & NEUTRAL
11. ROTOR BRAKE ..... DISENGAGED
12. MAP LIGHT ..... OFF
13. CIRCUIT BREAKERS ..... IN
14. CARBURETTOR HEAT ..... OFF (IN)
15. MIXTURE ..... FULL RICH
16. MIXTURE GUARD ..... INSTALLED
17. PRIMER (if installed) ..... DOWN & LOCKED
18. LANDING LIGHTS SWITCH ..... OFF
19. AVIONICS SWITCH (if installed) ..... OFF
20. CLUTCH ..... DISENGAGED
21. ALTIMETER ..... SET
22. GOVERNOR SWITCH ..... ON

### ENGINE START & WARM-UP

1. ROTOR BLADES ..... CLEAR
2. THROTTLE, TWIST FOR PRIMING ..... AS REQUIRED
3. THROTTLE ..... CLOSED
4. BATTERY / MASTER SWITCH ..... ON
5. STROBE / BEACON SWITCHES ..... ON
6. FUEL QUANTITY ..... CHECK
7. WARNING LIGHTS ..... CHECK
8. AREA ..... CLEAR
9. IGNITION / MAGNETO SWITCH ..... START, THEN SELECT BOTH
10. STARTER ON LIGHT ..... OUT
11. SET ENGINE RPM ..... 50 TO 60%
12. CLUTCH SWITCH ..... ENGAGED
- Throttle fixed and rotor blades turning within 5 seconds
13. OIL PRESSURE WITHIN 30 SEC ..... 25 PSI MINIMUM
14. ALTINATOR SWITCH ..... ON & CHECK GAUGE
- Check gauge for a positive charge on activation
15. AVIONICS & HEADSETS ..... ON
16. ALTIMETER ..... SET QNH / FIELD ELEVATION IF UNAVAILABLE
17. CLUTCH LIGHT OUT ..... WARM-UP RPM 70 TO 75%

### SYSTEMS CHECK

1. ENGINE GAUGES ..... IN THE GREEN
2. MAGNETO DROP AT 75% RPM ..... MAX 7% WITHIN 2 SEC
3. CARBURETTOR HEAT ..... CHECK
- CAT rise and RPM drop then set as required
4. SPRAG CLUTCH CHECK FROM 75% RPM ..... NEEDLES SPLIT
5. DOORS ..... SECURE
6. OAT GAUGE & MAP CHART LIMITS ..... CHECK
- Determine maximum available MP
7. CYCLIC & COLLECTIVE FRICTIONS ..... OFF
8. GOVERNOR ON & INCREASE THROTTLE ..... MONITOR RPM
- RPM stabilized at 102 to 104%
9. WARNING LIGHTS ..... OUT
10. LOW RPM WARNING CHECK ..... HORN & LIGHT ON AT 97%
- Raise collective slightly and reduce RPM
11. COLLECTIVE LOWERED ..... RPM STABILIZED AT 102 TO 104%
12. AREA ..... CLEAR
13. ENGINE GAUGES ..... IN THE GREEN

### ENGINE SHUTDOWN

1. COLLECTIVE ..... FULL DOWN , FRICTION ON
- Set RPM at 70 to 75%
2. CYCLIC & PEDALS NEUTRAL ..... FRICTION ON
3. CHT DROP ..... THROTTLE CLOSED
4. CLUTCH SWITCH ..... DISENGAGED
5. WAIT 30 SEC ..... PULL MIXTURE / IDLE CUT-OFF
- Replace mixture guard
6. WAIT 30 SEC ..... APPLY ROTR BRAKE SMOOTHLY
7. CLUTCH LIGHT OUT ..... ALL SWITCHES & AVIONICS OFF
8. CHECK & RECORD METER READINGS & REMAINING FUEL
9. DOORS & ROTOR BLADES SECURE