

# REMOS OPERATING CHECKLIST

## PLANNING CHECKLIST

1. Destination/Route
2. Weather/NOTAMs
3. Weight and Balance
4. Times and Distances
5. Fuel to points
6. Top of Climb
7. Alternative Airports
8. Destination Airport
9. File Flight Plan

## PASSENGER BRIEF

- Previous Flight Experience
- Entry to Plane
- Door and Seatbelt Use
- Clear of Control Environment
- Sick Procedure
- Emergency Procedures
- Radio Procedures

## WALK AROUND

1. Control Lock - **REMOVED**
2. Ignition - **OFF**
3. Master Switch - **OFF**
4. Fuel - **CHECK (Visual/Gauge)**
5. Fuel - **SUMP**
6. Flaps - **Check Operation**
7. Control Surfaces - **CLEAR**
8. Wheels - **Inflated/Tread**
9. Oil/Coolant - **CHECK**
10. Propeller - **CHECK**
11. Lights - **CHECK**
12. Nose Wheel Strut - **CHECK**
13. Pitot Tube - **CHECK**
14. Air Vents - **CHECK**
15. Static Vent - **CHECK**

## V Speeds:

**V<sub>x</sub> - 50-55 kts / 58-64 mph**

**V<sub>y</sub> - 63-66 kts / 72-76 mph**

**V<sub>a</sub> - 85 kts / 98 mph**

**V<sub>h</sub> - 119 kts / 137 mph**

**V<sub>so</sub> - 39 kts / 45 mph**

**V<sub>s</sub> - 42 kts / 49 mph**

**V<sub>fe</sub> - 71 kts / 81 mph**

**V<sub>ne</sub> - 133 kts / 153 mph**

**Best Glide -**

**55-65 kts / 63-75 mph**

**Approach - 51 kts / 59 mph**

## AVIATE

**A - Annual Inspection**

**V - VOR Check (IFR)  
every 30 days**

**I - 100 Hour Inspection**

**A - Altimeter/Static  
check every 24 months**

**T - Transponder check  
every 24 months**

**E - ELT battery check  
every 12 months or 1/2**

**Battery or 30 minutes  
continual time.**

## ARROW

**A - Airworthiness  
certificate**

**R - Registration**

**O - Owners manual**

**W - Weight and Balance**

### ENGINE -STARTUP

1. Seats/Seat belts – **FASTENED**
2. Brakes - **SET**
3. Fuel Selector – **OPEN**
4. Master Switch – **ON**
5. Choke – **ON**
6. Fuel Pump - **ON (if cold)**
7. Throttle - **1/4 INCH OPEN**
8. Prime - **AS NEEDED**
9. Carb Heat - **COLD**
10. Anti Collision Lights - **ON**
11. Prop Area - **CLEAR**
12. Ignition - **START**
13. Engine Instruments – **CHECK**
14. Fuel Pump - **OFF**
15. Avionics - **ON**
16. **FLAPS UP**
17. **BRAKES - OFF**
18. **TAXI AND BRAKE CHECK**

### PREFLIGHT RUN-UP

1. Brakes - **SET**
2. Flight Controls - **CLEAR**
3. Fuel Selector - **OPEN**
4. Trim Tab - **TAKE-OFF**
5. Throttle - **3500 RPM (Do not go above 2500 RPM until oil temperature is above 120 F)**
6. Magnetos - **CHECK DROP (150 MAX)**
7. Engine Gauges:  
**Oil Pressure/Temp/Ammeter - IN OPERATING RANGE**  
**Carb Heat – ON (MAX 150 DROP)**
8. Carb Heat - **OFF**
9. Throttle - **SET 2000 RPM**
10. Door/Windows - **LATCHED**
11. Flight Instruments - **SET**
13. Lights - **AS REQUIRED**
14. Transponder - **SET ALT**
15. Fuel Pump - **ON**
16. **RADIOS - SET/CALL**
17. Brakes – **DISENGAGE**
18. **TAXI TO POSITION AND TAKEOFF**

**CRUISE**

1. Power - **4800-5000 RPM**
2. Oil Temp – **140-240 F**
3. Fuel Pump - **OFF**
4. Trim - **AS NEEDED**

**PRE-LANDING**

1. Fuel - **OPEN**
  2. Parking Break - **OFF**
  3. Carburetor Heat - **ON**
  5. Trim - **AS NEEDED**
- FOR LANDING**
6. Power - **2500 RPM**
  7. Communicate - **AS NEEDED**

**SHUT DOWN**

1. Avionics - **OFF**
2. Throttle - **SET 2000**
3. Lights - **OFF**
4. Ignition Switch - **OFF**
5. Master Switch - **OFF**
6. Parking Brake - **ON**
7. Controls - **CONTROL LOCK**

**WEIGHT AND BALANCE**

<b>Max Gross Weight: 1320 lbs.</b>	<b><u>Weight</u> <u>(LBS)</u></b>	<b><u>Arm Aft</u> <u>of Datum</u> <u>(Inches)</u></b>	<b><u>Moment</u></b>
<b>Licensed Empty Weight</b>			
<b>Pilot and Front Passenger</b>		<b>8.3</b>	
<b>Fuel (22 Gal Total, 21 usable)</b>		<b>37.8</b>	
<b>Baggage</b>		<b>37.4</b>	
<b>Total Loaded Aircraft</b>			

Weight x Arm = Moment

Fuel = 6 lb/Gallon

Approved Range 9.6 through 16.3

# EMERGENCY OPERATIONS

## ENGINE OUT

- Best Glide –  
55-65 kts / 63-75 mph
- Landing Zone:  
Safe and Clear
- Fuel Selector: On
- Engine Guages:  
IN OPERATING RANGE
- Ignition (Recycle)
- Communicate (121.5, 7700)
- Passenger Brief
- If Terminal:*
- Ignition: OFF
- Flaps: AS NEEDED
- Cabin Door: UNLATCHED
- Seatbelts: SECURE
- Master Switch: OFF
- Fuel Selector: OFF
- Land
- Exit plane to rear

## COMMUNICATIONS

**TRANSPONDER**  
**7600 = Radio**  
**Failure**  
**7700 = Emergencies**

**VHF RADIO**

## FIRE: ON-THE-GROUND

- A. If Not Started:
- Throttle Open
  - Turn Engine with Starter
  - Fuel selector OFF
- B. If Started:
- Continue operating to  
pull fire into the engine.

If fire continues longer than a few seconds, extinguish with best measure available.

## FIRE: IN-FLIGHT

### ELECTRICAL

- Master Switch - OFF
- Cabin Vents - OPEN
- Cabin Heat - OFF

### ENGINE

- Fuel Selector - OFF
- Throttle – OPEN FULL
- Heat - OFF
- Defrost - OFF
- Proceed to Engine-Out Checklist

## DOOR EMERGENCY EJECT

1. Unlock Doors by rotating back the door lock handle
2. Unlock the door hinges by pushing the securing pin (red knob) forward.
3. Push out the unlocked door by hand.