

## Maule M/MT-7 Operating Checklist

### Before Starting:

Seat belts & shoulder harnesses .....FASTENED  
Flaps .....RETRACTED  
Circuit breakers .....CHECK IN

### Starting:

Parking or toe brakes.....ON  
Fuel selector valve .....ON FULLEST TANK OR BOTH  
Throttle.....OPEN ¼ INCH  
Propeller control.....FULL INCREASE RPM  
Mixture control..... RICH  
Prime .....AS REQUIRED  
BAT & ALT switch.....ON  
Anti-collision light.....ON  
Starter switch..... TWIST FULL RIGHT TO ENGAGE  
After starting..... CHECK OIL PRESSURE IF OIL PRESSURE DOES  
NOT EXCEED 25 PSI WITHIN 30 SECONDS, SHUT DOWN ENGINE  
Alternator .....CHECK CHARGING  
Avionics master.....ON  
Radios .....AS REQUIRED  
Parking brake..... OFF  
Engine Check:  
Parking brake.....ON IF DESIRED  
Engine instruments .....CHECK IN GREEN ARCS  
Throttle.....INCREASE TO 2000 RPM  
Magnetos ..... SWITCH TO RIGHT, LEFT, BOTH, CHECKING  
RPM DROPS. AN RPM DROP OF MORE THAN 175 RPM OR A DIFFERENCE  
BETWEEN LEFT AND RIGHT OF MORE THAN 50 RPM IS UNACCEPTABLE  
Propeller control..... RETARD SLOWLY UNTIL MAXIMUM OF 500  
RPM DROP IS NOTED. RETURN TO FULL INCREASE RPM. REPEAT. SET FULL  
INCREASE RPM.  
Carburetor air control..... PULL HOT NORMAL DROP IS 150 RPM ±50  
RPM  
Carburetor air control.....PUSH COLD  
Vacuum gauge..... CHECK IN GREEN  
Alternator .....CHARGING; LIGHT OUT ABOVE 900 RPM  
Throttle.....RETARD TO IDLE

### Before Takeoff:

Fuel selector .....ON FULLEST TANK OR BOTH  
Flaps .....AS DESIRED (MAX. 24°)  
Trim control.....SET FOR TAKEOFF  
Flight controls ..... CHECK FOR FREEDOM AND PROPER TRAVEL  
Mixture control.....FULL RICH  
Propeller control.....FULL INCREASE RPM  
Carburetor air control.....PUSH COLD  
Engine instruments .....RECHECK IN NORMAL RANGE  
Radios .....AS DESIRED

Altimeter ..... SET  
Seat belts & shoulder harnesses ..... RECHECK FASTENED  
Doors..... CLOSED & LATCHED  
Passengers..... BELTS & HARNESES SECURED. BRIEFED ON  
OPENING DOORS  
Parking brake..... OFF

Climb:

Best Rate of Climb ..... 90 mph IAS with first notch (0°) of flaps  
Best Angle of Climb ..... 75 mph IAS with second notch (24°) of flaps

Before Landing:

Seat belts & shoulder harnesses ..... FASTENED  
Fuel selector valve ..... ON FULLEST TANK OR BOTH  
Mixture control..... FULL RICH  
Propeller control..... FULL INCREASE RPM  
Flaps ..... AS REQUIRED  
Carburetor air control..... PULL HOT (AS REQUIRED)

Engine Shutdown:

Parking brakes..... ON, IF DESIRED  
Radios ..... OFF  
Avionics master..... OFF  
All electrical switches ..... AS DESIRED  
Flaps ..... AS DESIRED  
Mixture control..... FULL LEAN  
Magneto switch ..... OFF  
Anti-collision light..... OFF  
BAT & ALT switch..... OFF  
Control lock ..... INSTALL