

**CHEROKEE PA28-180 CHECKLIST**

Nashua ATIS	125.1	Manchester Tower	121.3	Manchester Ground	121.9
Nashua Ground	321.8	Manchester ATIS	119.55	Manchester Approach	124.9
Nashua Tower	133.2	GFW	122.85	Boston Center	123.75

ALL SPEEDS MPH Vx- 74 Vy- 85 Vgslide- 80 Vie- 150 Va- 127 Va- 134

**BEFORE ENGINE START**

1. Preflight Inspection..... COMPLETE
2. Check Oil..... 6-8 QUARTS
2. Seat belts/Harness..... ADJUST
4. Hobbs..... CHECK IN BOOK
3. Fuel Selector..... FULLEST TANK
4. Electrical Equipment..... OFF
5. Brakes..... TEST & SET
6. Circuit Breakers..... CHECK IN
7. Carb Heat..... OFF

**ENGINE START**

1. Prime..... 7 Strokes
2. Throttle..... 1/4 in. 1/2 in HOT
3. Mixture..... FULL RICH
4. Master Switch..... ON
5. Carb Heat..... OFF
5. Fuel Pump..... ON
6. Fuel Flow +..... FUEL PUMP OFF
7. Throttle..... CRACKED
8. Propeller Area..... CLEAR
9. Ignition Switch..... START
10. Oil Pressure..... CHECK
11. Flashing Beacon..... ON

**STARTING ENGINE WHEN HOT**

1. Throttle..... 1/2 WAY
2. Master Switch..... ON
3. Fuel Pump..... ON
4. Mixture..... IDLE CUT OFF
5. Ignition Switch..... START
6. Engine Starts..... MIXTURE RICH
7. Oil Pressure..... CHECK
8. Flashing Beacon..... ON

**STARTING ENGINE WHEN FLOODED**

1. Throttle..... OPEN
2. Master Switch..... ON
3. Fuel Pump..... OFF
4. Mixture..... IDLE CUTOFF
5. Ignition Switch..... START
6. Engine Starts..... MIXTURE RICH
7. Throttle..... RETARD
8. Oil Pressure..... CHECK
9. Flashing Beacon..... ON

**BEFORE TAKEOFF**

1. Parking Brake..... SET
2. Flight Controls..... FREE & CORRECT
3. Instruments..... CHECK & SET
4. Fuel Selector..... FULLEST TANK
5. Mixture..... RICH
6. Elevator and Rudder Trim..... SET
7. Throttle..... 2000 RPM
  - a. Magnetos..... CHECK
  - b. Carb Heat..... CHECK
  - c. Engine Instruments..... CHECK
  - d. Alternator..... CHECK LOAD
  - e. Vacuum..... 5" ±1
8. Throttle..... 1000 RPM
9. Radios..... SET
10. Mixture..... SET
11. Carb Heat..... OFF
12. Seat belts/Harness..... CHECK
13. Door and Window..... LATCHED

**LORAN:****ENTER ROUTE**

1. Mode..... WPT
2. Turn DATA..... SELECT REGION
3. Turn LIST..... SELECT DEST
4. Press..... TO
5. Mode..... WPT
6. Turn LIST..... SELECT DEP PT
7. Press..... FROM
8. Mode..... NAV

**LOCAL FLIGHTS**

1. Mode..... POS
4. Press..... TO

**SET WAYPOINTS**

1. Mode..... WPT
2. Turn DATA..... SELECT REGION
3. Turn LIST..... CCW 1 CLICK
4. Press..... SEL
5. Turn DATA..... SELECT 1<sup>ST</sup> CHAR
6. REPEAT AS NEEDED
7. Press..... ENTER

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**NORMAL TAKEOFF**

1. B Fuel (Boost) Pump..... ON
2. L Lights/Strobes..... ON
3. Transponder..... ON
4. Throttle..... FULL
5. Rotate..... 80+ MPH
6. Accelerate to..... 100 MPH

**@500' - 1000' AGL, 100 MPH**

1. Fuel Pump..... OFF

**CLIMB**

1. Throttle..... FULL

**CRUISE**

1. Throttle..... 2350
2. Mixture..... LEAN ABOVE 3000'  
..... OR BELOW 75% POWER
3. Fuel Selector ..CHECK EVERY 30 min

**DESCENT**

1. Throttle..... 17-19

**IN RANGE**

1. Altimeter..... SET
2. Fuel Selector..... FULLEST TANK
3. Mixture..... AS REQUIRED
4. Seat belts/Harness..... ADJUST
5. Fuel Pump..... ON

**PERFORMANCE**

- Best Rate of climb..... 85 MPH (74 Knots)  
 Best Angle of Climb... 74 MPH (64 Knots)  
 Enroute Climb..... 100 MPH (87 Knots)  
 Best Glide Angle..... 80 MPH (70 Knots)  
 Final Approach..... 80 MPH (70 Knots)  
 IFR Approach..... 92 MPH (80 Knots)  
 Stall wings level, no flaps  
 ..... 68 MPH (59 Knots)  
 Stall wingsl level, full flaps  
 ..... 61 MPH (53 Knots)

**LANDING****Downwind**

1. Fuel Pump..... ON
2. Flaps..... 10° BELOW 115 mph
3. Throttle..... 1700 RPM
4. Speed..... 95 MPH

**Base**

1. Flaps..... 20°

**2. GUMP**

- a. Fuel Selector..... FULLEST TANK
  - b. Fuel Pump..... CHECK ON
  - c. Mixture..... FULL FWD
3. Speed..... 80-95 MPH

**Final**

1. Speed..... 80-95 MPH
2. Flaps..... 40° if permissible
3. Throttle..... out just before numbers

**GO-AROUND**

1. Throttle..... FULL
2. Flaps..... RETRACT SLOWLY
4. Positive Rate..... GEAR UP

**AFTER LANDING**

1. Flaps..... UP
2. Transponder..... STANDBY
3. Fuel Pump..... OFF
4. Strobes/Landing Light..... OFF

**SHUTDOWN**

1. Throttle..... FULL IDLE
2. Electrical Equipment..... OFF
3. Mixture..... LEAN CUTOFF
4. Master Switch..... OFF
5. Magnetos..... OFF, REMOVE KEY
6. Instrument Panel..... COVER
7. Control Lock..... INSTALL
8. Door..... LOCK
9. Baggage Cmptmnt..... LOCK
10. Tiedown..... COMPLETE
11. Flight Plan..... CLOSE

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  - b. Carb Heat..... CHECK
  - c. Engine Instruments..... CHECK
  - d. Alternator..... CHECK LOAD
  - e. Vacuum..... 5" ±1
8. Throttle..... 1000 RPM
9. Radios..... SET
10. Mixture..... SET
11. Carb Heat..... OFF
12. Seat belts/Harness..... CHECK
13. Door and Window..... LATCHED

#### LORAN:

##### ENTER ROUTE

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### CHEROKEE PA28-180 EMERGENCY CHECKLIST

REMEMBER ALWAYS COMMUNICATE YOUR EMERGENCY TO ATC !!  
EMERGENCY FREQUENCY - 121.5 TRANSPONDER CODE - 7700

#### ENGINE FAILURE - IN FLIGHT

1. Flaps..... UP
2. Airspeed..... TRIM to 80 MPH
3. Fuel Selector..... FULLEST TANK
4. Fuel Pump..... ON
5. Mixture..... RICH
6. Alternate Air..... ON
7. Carb Heat..... ON
9. Engine Gauges..... CHECK
10. Ignition Switch..... CHECK
11. Throttle, Mixture..... CHANGE

#### If Power is Restored

9. Alternate Air..... OFF
10. Fuel Pump..... OFF

#### If Power is NOT Restored

1. Mixture..... IDLE CUTOFF
2. Fuel Selector..... OFF
3. Ignition Switch..... OFF
5. Wing Flaps..... AS REQUIRED
6. Doors..... UNLATCHED
7. Master Switch..... OFF
8. Final Approach..... 80 MPH

#### ENGINE FIRE ON GROUND

1. Cranking..... CONTINUE
2. Mixture..... IDLE CUTOFF
3. Throttle..... OPEN

**If Engine Starts** - Continue operating to try pulling the fire into the engine.

#### If Engine Fails to Start

1. Fire Extinguisher..... OBTAIN
2. Fuel Selector..... OFF
3. Mixture..... IDLE CUTOFF

#### ENGINE FIRE IN FLIGHT

1. Fuel Selector..... OFF
2. Throttle..... CLOSE
3. Mixture..... IDLE CUTOFF
4. Heater..... OFF
5. Defroster..... OFF
6. Land..... IMMEDIATELY

#### ELECTRICAL FIRE IN FLIGHT

1. Master Switch..... OFF
2. Vents..... OPEN
3. Cabin Heat..... OFF
4. Land..... AS SOON AS PRACTICAL

#### GO-AROUND

1. Throttle..... FULL
3. Flaps..... SLOWLY

#### ALTERNATOR FAILURE

1. Ensure..... INDICATION READS 0
2. Reduce..... ELECTRICAL LOAD
3. Circuit Breakers..... CHECK
4. Master Switch..... OFF THEN ON