

PA-28RT-201 CHECKLIST

BEFORE STARTING ENGINES

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|------------------------------|-------------------------|
| 1. Preflight Inspections | Completed |
| 2. Loose Articles | Stowed & Secured |
| 3. Passenger / Crew Briefing | Completed |
| 4. Seats/Belts/Harnesses | Fastened & Adjusted |
| 5. Audio Controls | Set |
| 6. Transponder | SBY (7000) |
| 7. Cabin Heat & Defrost | Set |
| 8. Circuit Breakers | IN |
| 9. Alternate Air | CLOSED |
| 10. Propeller | Full HIGH RPM (Forward) |
| 11. Throttle | OPEN ½" |
| 12. Rudder / Stabilator Trim | Set for Takeoff |
| 13. Brakes | Test, Set & Hold |

STARTING COLD ENGINE

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|--------------------|--|
| 1. Master Switch | ON |
| 2. Fuel Pump | ON |
| 3. Mixture | Full RICH till Sign of Fuel Flow then IDLE CUT-OFF |
| 4. Propeller Area | CLEAR |
| 5. Ignition Switch | START * |
| 6. Mixture | Full RICH When Engine Fires |
| 7. Throttle | 1000 RPM |
| 8. Oil Pressure | Above 30 PSI in 30 sec |
| 9. Ammeter | Check for Positive Load |

STARTING HOT ENGINE

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|--------------------|-----------------------------|
| 1. Master Switch | ON |
| 2. Fuel Pump | ON |
| 3. Mixture | IDLE CUT-OFF |
| 4. Propeller Area | CLEAR |
| 5. Ignition Switch | START * |
| 6. Mixture | Full RICH When Engine Fires |
| 7. Throttle | 1000 RPM |
| 8. Oil Pressure | Above 30 PSI in 30 sec |
| 9. Ammeter | Check for Positive Load |

* **DO NOT** use the starter motor for more than 30 sec without allowing it to cool for 2 minutes before the next use.

AFTER START / BEFORE TAXI

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|---------------------------|---------------|
| 1. Avionics Master Switch | ON |
| 2. Intercom | Set |
| 3. Fuel Pump | OFF |
| 4. Mixture | Lean |
| 5. Engine Instruments | Check |
| 6. Radios & Nav Aids | Set & Check |
| 7. Flaps | Check Then UP |
| 8. Heading Indicator | Set |
| 9. Altimeter | Set |
| 10. Annunciator Lights | Check Off |
| 11. Parking Brake | Release |

PA-28RT-201 CHECKLIST

TAXI CHECK

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|-----------------------|-----------------------|
| 1. Brakes | Test at Start of Taxi |
| 2. Flight Instruments | Check |

ENGINE RUNUP

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|---|---------------------------------------|
| 1. Park Facing Into the Wind With the Nose Wheel Centered | |
| 2. Brakes | Set & Hold |
| 3. Fuel Selector | RIGHT or Fullest Tank |
| 4. Mixture | RICH Below 3000' Density Alt |
| 5. Throttle | 2000 RPM |
| 6. Magnetos | Check * (<175 Drop, 50 Diff) |
| 7. Alternate Air | Check OPEN Then CLOSED (not on grass) |
| 8. Propeller | Cycle (Keep RPM Above 1500) |
| 9. Ammeter | Check for Positive Load |
| 10. Suction Gauge | Check (4.9" - 5.1") |
| 11. Engine Instruments | Check |
| 12. Mixture | Check & Lean |
| 13. Throttle | IDLE; Check RPM > 550 |
| 14. Throttle | 1400 RPM |
| 15. Throttle Friction | Set |

BEFORE TAKEOFF

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|-----------------------------|---|
| 1. Fuel Quantity | Check |
| 2. Fuel Selector Valve | Fullest Tank |
| 3. Electric Trim | Check |
| 4. Stabilator / Rudder Trim | Set for Takeoff |
| 5. Flaps | Set for Takeoff & Check Visually (0-25 degrees) |
| 6. Flight Controls | Check Free & Correct |
| 7. Flight Instruments | Set & Check |
| 8. Radios & Nav Aids | Set & Check |
| 9. Transponder | TST Then ALT |
| 10. Propeller | Full HIGH RPM (Forward) |
| 11. Takeoff Briefing | |
| 12. Parking Brake | Release |
| 13. Cabin Door & Window | Closed & Latched |
| 14. Fuel Pump | OFF |
| 15. Mixture | RICH |

TAKEOFF

NORMAL TAKEOFF

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|-----------------------|--------------|
| 1. Throttle | Full OPEN |
| 2. Engine Instruments | Check |
| 3. Rotate | 60 KIAS |
| 4. Climb | 80-85 KIAS |
| 5. Gear | UP |
| 6. Flaps | UP |
| 7. Fuel Pump | OFF |
| 8. Power | 25"/2500 RPM |

PA-28RT-201 CHECKLIST

CRUISE

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|-----------------------|--|
| 1. Throttle/Propeller | DO NOT Exceed 75% Power |
| 2. Engine Instruments | Check |
| 3. Flight Instruments | Check |
| 4. Fuel Selector | Switch Tanks every 60 mins (Fuel Pump ON when switching tanks) |

DOWNWIND

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|--------------------------|-----------------------------|
| 1. Seats/Belts/Harnesses | Check Fastened & Secure |
| 2. Fuel Quantities | Check |
| 3. Fuel Selector | Fullest Tank |
| 4. Mixture | RICH |
| 5. Flight Instruments | Set & Check |
| 6. Radios & Nav Aids | Set & Check |
| 7. Engine Instruments | Check |
| 8. Rudder Trim | Centered |
| 9. Brakes | Test |
| 10. Landing Gear | DOWN (Speed below 130 KIAS) |
| 11. Flaps | 15 (1 st Notch) |

BEFORE LANDING

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|------------------------------|-------------------------|
| 1. G as Fuel Selector | Fullest Tank |
| 2. U ndercarriage | DOWN, THREE GREEN |
| 3. M ixture | Full RICH |
| 4. P rop | Full HIGH RPM (Forward) |
| 5. S witches | Flaps 25-40 |
| | Fuel Pump OFF |
| | Landing Light ON |

AFTER LANDING

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|--------------------------|-----|
| 1. Flaps | UP |
| 2. Fuel Pump | OFF |
| 3. Landing/Taxi Light(s) | Set |
| 4. Strobes | OFF |
| 5. Pitot Heat | OFF |
| 6. Transponder | SBY |

ENGINE SHUTDOWN

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|---------------------------|-----------------|
| 1. Avionics Master Switch | OFF |
| 2. Throttle | 1000-1200 RPM |
| 3. Mixture | IDLE CUT-OFF |
| 4. Ignition Switch | OFF, Remove Key |
| 5. Beacon | OFF |
| 6. Master Switch | OFF |