



BY TEXTRON AVIATION

# 172S Quick Reference Checklist

*See POH for complete information.*

## **Normal Procedures**

## **Emergency Procedures**

## **Briefing**

### **BEFORE START**

Preflight Inspection ..... Complete  
Passenger Briefing ..... Complete  
Seats and Seatbelts ..... Secure  
Fuel Selector ..... BOTH  
Fuel Shutoff ..... IN  
Electrical Equipment ..... OFF  
Circuit Breakers ..... Check IN  
Brakes ..... TEST and HOLD

## ENGINE START

Mixture ..... IDLE CUTOFF  
Throttle ..... OPEN 1/4”  
Beacon..... ON  
Master Switch..... ON  
Aircraft Key ..... IN  
Propeller Area ..... CLEAR

*Prime as required.*

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Auxiliary Fuel Pump..... ON  
Mixture ..... Advance for Fuel Flow  
Mixture ..... CUTOFF  
Auxiliary Fuel Pump..... OFF  
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Ignition Switch ..... START  
Mixture ..... ADVANCE  
Throttle ..... 1000 RPM  
Oil Pressure ..... Check

## AFTER START

Avionics Switch..... ON  
Circuit Breakers ..... Check IN

*Lean as required.*

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Throttle ..... 1200 RPM  
Mixture ..... LEAN Max. RPM  
Throttle ..... 1000 RPM  
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Flaps ..... RETRACT  
ATIS/AWOS ..... OBTAIN  
Flight Instruments ..... HDG\_\_\_ ALT\_\_\_  
Transponder ..... ALT/1200 or A/R  
Radios and Avionics ..... SET  
Taxi Diagram ..... DISPLAYED  
Taxi Brief ..... COMPLETE  
Lights ..... A/R

## **TAXI**

Brakes ..... CHECK  
Instruments ..... CHECK

## **RUNUP**

Brakes ..... HOLD  
Seats and Seatbelts ..... SECURE  
Doors and Windows ..... LOCKED

Flight Controls .....	Full, Free, and Correct
Fuel Quantity .....	CHECK
Fuel Selector .....	BOTH
Fuel Shutoff .....	IN
Mixture .....	RICH
Throttle .....	1800 RPM
Engine Instruments .....	CHECK
Magnetos .....	CHECK (150/50)
Vacuum Gauge .....	CHECK
Ammeter .....	LOAD and CHECK
Throttle .....	CHECK IDLE then 1000 RPM
Friction Lock.....	ADJUST
Electric Trim .....	CHECK
Elevator Trim.....	SET T/O
Flaps .....	SET (0 or 10)
Flight Instruments .....	CHECK SET
Radios and Avionics .....	CHECK SET
Takeoff Briefing .....	COMPLETE

## **BEFORE TAKEOFF**

Lights .....	A/R
Transponder .....	ALT/1200 or A/R
Trim.....	SET T/O

Flaps ..... SET (0° or 10°)  
Mixture ..... RICH  
*Lean max. RPM above 3,000' DA.*

## **AFTER TAKEOFF**

Flaps ..... 0°  
Mixture ..... LEAN max. RPM (> 3000' MSL)

## **CRUISE**

Power ..... SET (75% max.)  
Mixture ..... LEAN (50 Rich of Peak)  
Flight Instruments ..... HDG \_\_\_\_ ALT \_\_\_\_  
Engine Instruments ..... MONITOR  
Lights ..... A/R

## **BEFORE MANEUVER**

Clearing Turns ..... COMPLETE  
Heading ..... NOTED/BUGGED  
Altitude ..... >1500' AGL or A/R  
Power/Configuration ..... SET  
Suitable Emerg. Landing Area ..... IDENTIFIED

## **APPROACH**

Fuel Selector ..... BOTH  
Mixture ..... ENRICHEN A/R  
ATIS/AWOS .....OBTAIN  
Altimeter(s) .....SET  
Radios and Avionics .....SET  
Lights .....A/R  
Approach Briefing ..... COMPLETE

### **BEFORE LANDING**

Seats and Seatbelts ..... SECURE  
Fuel Selector ..... BOTH  
Mixture ..... RICH  
Autopilot ..... OFF

### **AFTER LANDING**

Flaps ..... 0°  
Mixture ..... LEAN A/R  
Lights .....A/R  
Taxi Diagram ..... DISPLAYED

### **ENGINE SHUTDOWN**

Brakes ..... HOLD  
Throttle ..... 1500 RPM

Mixture .....	LEAN MAX RPM
Radio .....	Check 121.5
Throttle .....	IDLE
Electrical Equipment.....	OFF
Magnetos .....	CHECK GROUND
Mixture .....	CUTOFF
Ignition Switch .....	OFF
Aircraft Key .....	REMOVED
Master Switch .....	OFF

## **PARKING and SECURING**

Fuel Selector .....	RIGHT TANK
Elevator Gust Lock .....	INSTALLED
Beacon.....	ON
Sun shade .....	INSTALLED
Hobbs/Tach Times .....	RECORD
Pitot Cover.....	INSTALLED
Wheel Chocks .....	INSTALLED
Tiedowns.....	INSTALLED
Wheels, Tires, and Brakes.....	INSPECT
Doors .....	LOCKED
Cover .....	INSTALLED

## **ENGINE FAILURE DURING TAKEOFF ROLL**

**Throttle..... IDLE**  
**Brakes ..... APPLY**  
**Flaps ..... 0°**  
**Mixture ..... IDLE CUTOFF**  
**Ignition Switch ..... OFF**  
**Master Switch ..... OFF**

## **ENG FAILURE AFTER ROTATION**

**Airspeed ..... 70 KIAS (Flaps 0°)**  
**Airspeed ..... 65 KIAS (Flaps > 0°)**  
**Mixture ..... IDLE CUTOFF**  
**Fuel Shutoff ..... OFF**  
**Ignition Switch ..... OFF**  
**Flaps ..... A/R**  
**Master Switch ..... OFF**  
**Cabin Door ..... UNLATCH**  
**Land..... STRAIGHT AHEAD**

## **ENGINE FAILURE DURING FLIGHT**

**Airspeed ..... 68 KIAS**  
**Fuel Selector ..... BOTH**  
**Mixture ..... RICH**



**Auxiliary Fuel Pump..... ON**  
Ignition Switch ..... BOTH/START  
Auxiliary Fuel Pump..... OFF  
Forced Landing ..... EXECUTE

## **PASSENGER BRIEF**

Seatbelts

Air (Environmental Controls)

Fire Extinguisher

Exits, Emergencies, and Equipment

Traffic and Talking

Your Questions

## **TAXI BRIEF**

Assigned or expected runway

Route

Crossings and Hold Short Instructions

Hot Spots and Hazards

## **TAKEOFF BRIEF**

Threats

Normal Procedures

Emergency Procedures

## **VISUAL APPROACH BRIEF**

Active or Expected Runway

Field Elevation and TPA

Wind Direction and Velocity

Approach Type, Speed, and Configuration

Touchdown and Aiming Points

Go-Around Procedure

## **INSTRUMENT APPROACH BRIEF**

Black Box

Minimums

Missed

Minutes

Minimum Safe Altitude