

## **BEFORE STARTING ENGINES**

Walk around inspection.....	COMPLETE
Baggage.....	SECURE
Cabin door.....	SECURE
Maps and charts.....	CHECKED
Passenger briefing.....	COMPLETE
Pilot's seats, seat belts, and shoulder harnesses.....	ADJUSTED AND SECURE
Parking brake.....	SECURE
Altimeter.....	SET TO FIELD ELEVATION
Controls.....	FREE - PROPER RESPONSE
Fuel valves.....	ON INBOARD TANKS
Crossfeed.....	OFF
Firewall fuel shutoff valves.....	OFF
Circuit breakers.....	CHECK
Electrical switches.....	OFF EXCEPT ALTERNATOR
Radio switches.....	OFF
ATC Radio.....	SET TO TOWER OR GROUND FREQ.
Master Battery Switch.....	ON
Avionics Master.....	ON
Fuel quantity.....	CHECK 4 TANKS
Trim.....	SET FOR TAKE OFF *
Cowl flaps.....	OPEN
Gear lights.....	3-GREEN
Seat belt and no smoking sign.....	ON
Fuel boost pump.....	OFF
Fuel flow warning lights.....	OFF

\*Simulator trim set to normal takeoff position by default on aircraft initialization



## Receiving Aircraft Starting Aircraft

### STARTING PROCEDURES

#### STARTING ENGINES -INDIVIDUALLY

Throttle.....	CLOSED
Mixture.....	IDLE
Fuel boost pump.....	OFF
Throttle.....	OPEN 1/2 INCH
Mixture.....	FULL RICH FOR 5 SEC. THEN RETURN TO IDLE CUTOFF
Prop control.....	FORWARD
Magneto switches.....	ON
Props.....	CLEAR
Starter.....	ENGAGE
Mixture.....	ADVANCE SLOWLY TOWARD RICH POSITION AS ENGINE FIRES
Throttle.....	RETARD IF NECESSARY DURING START TO LIMIT ENGINE SPEED TO 1000 RPM OR LESS
Oil and fuel pressure.....	CHECK
Hydraulic warning indicators.....	CHECK

On airplanes equipped with fuel boost pumps it may be necessary to use emergency fuel pumps for additional prime during cold weather starts.

#### FLOODED START

Magneto switches.....	ON
Throttle.....	OPEN
Mixture.....	IDLE
Starter.....	ENGAGE (WHEN ENGINE FIRES, ADVANCE MIXTURE AND RETARD THROTTLE TO 1000 RPM.)



<b>Receiving Aircraft Starting Aircraft</b>
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**HOT START**

Magneto switches.....	ON
Throttle.....	OPEN 1/2 INCH
Mixture.....	IDLE
Fuel boost pump.....	ON (DO NOT PRIME ENGINE)
Starter.....	ENGAGE

When engine fires, advance mixture. Allow emergency fuel pump to run for approximately (3) minutes to purge fuel lines to engine.

Fuel boost pump.....	OFF
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**Receiving Aircraft  
Starting Aircraft**