

Departure Brief Aide Memoire

Threats | AIS | Sig WX | Dep Alternate | Runway
 Taxi Route | Trans Alt | Terrain | MSA | SID | Radio Aids
 Emergencies | Review

Before Start Check

Parking BrakeON
 BAV Merlin CONFIGURED
 Undercarriage LeverDOWN
 MagnetosOFF
 Battery MasterON
 Annunciator/Low Volt LightON
 Fuel Selector..... ON/CHECK CONTENTS
 Fuel Selector..... SELECT EMPTIER TANK
 Battery MasterOFF
 FlapsEXERCISE & UP
 Trims.....FREE & SET
 AutopilotOFF
 Flight Controls FULL & FREE
 Entrance DoorCLOSED&LATCHED
 Seat Belts..... SECURE
 Passenger Briefing..... COMPLETE
 Alternate Air OPERATE & CLOSE
 Circuit BreakersCHECK IN
 SwitchesOFF
 Battery & Alternator.....ON
 Undercarriage Lights 3 GREENS
 Low Voltage Light CHECK ON
 DV Window and Vents CLOSED

Engine Start (Cold Start Procedure)

Beacon & Nav Lights.....ON
 Mixture..... ICO
 Throttle..... FULL OPEN
 Propellor Lever FULLY FINE
 Fuel Pump..... ON/CHECK PRESSURE
 Mixture..... RICH UNTIL FUEL FLOW SEEN
 Fuel Pump.....OFF
 Mixture..... ICO
 Throttle..... SET ¼" OPEN
 Propellor Area CLEAR
 Magnetos/Starter.....START
 Mixture..... RICH ON STARTING
 Starter Warning Light ON THEN OUT
 Oil Pressure CHECK
 Throttle..... 1400 RPM
 Alternator CHECK
 Suction..... CHECK 3-5"

After Start Check

AvionicsON
 MagnetosCHECK DEADCUT
 Low Volts Light CHECK OUT
 Annunciator Lights CHECK OUT
 Cabin Heat/Defrost AS REQUIRED
 ATIS OBTAIN
 AI ERECT
 Pitot Heat ON/CHECK AMPS/OFF
 HSI SLAVING
 AltimetersCROSSCHECK
 WITHIN 50'/70' OF DATUM MAX DIFF +/- 50'

Avionics

Avionics ALL ON
 Audio Panel SET AUTO
 Markers TEST LIGHTS/SET LOW
 NAV1 VOR SELECT/IDENTIFY/DISPLAY
 NAV1 ILSSID
 NAV2 VORSID
 ADFSID
 GPS VLOC
 Transponder.....AS REQUIRED/TEST/STBY
 Radio CHECK/OBTAIN TAXI CLEARANCE

Taxi Checks

Brakes..... CHECK
 Rudder.....FULL LEFT & RIGHT
 Instruments.....ASI/ADI/VSI/HIS/TC
 Parking Brake ON
 Throttle1400 RPM

Power Checks

Temps & Pressures..... NORMAL
 Fuel Selector CHANGE TANK
 Throttle SET 2000 RPM
 Alternate Air..... OPERATE/CLOSED
 Magnetos CHECK
 CHECK MAX DROP 175RPM – MAX DIFF 50 RPM
 Propellor RPM EXERCISE 3 TIMES

- CHECK OIL LEAKAGE
- CHECK RPM DROP
- CHECK OIL PRESSURE CHANGE

 MIN 1500 RPM
 Temps & Pressures..... CHECK
 Alternator..... CHECK
 Throttle CLOSE
 CHECK SLOW RUNNING
 Throttle SET 1400 RPM

Before Take-off Checks

| | |
|-----------------------------|-------------------|
| DI/HSI | CHECK SLAVING |
| Altimeters..... | SET |
| Fuel Pump..... | ON |
| Alternate Air | CLOSED |
| Propellor Lever | FULLY FINE |
| Mixture..... | FULL RICH |
| Seat Back/Belts..... | ERECT/SECURE |
| Flaps | UP/AS REQUIRED |
| Engine Instruments | CHECK |
| Door/Window..... | CLOSED/SECURE |
| Flying Controls..... | FULL & FREE |
| Departure Clearance | OBTAIN |
| Radio/Navigation..... | SET FOR DEPARTURE |
| Take-off Briefing..... | AS REQUIRED |
| | |
| Anti-collision Lights | ON |
| Transponder | ON |
| Pitot Heat | ON |
| Landing Lights..... | ON |
| Compass and HSI | ALIGNED WITH RWY |
| Timer/Stopwatch..... | START |

After Take-off/Missed Approach Checks

| | |
|-------------------------|---------------------|
| Undercarriage..... | POSITIVE RATE/UP |
| | |
| 300' aal AND SAFE SPEED | |
| Flaps | UP |
| | |
| 400' aal | |
| Climb Power | 25" MP/2500 RPM |
| | |
| 1000' aal | |
| Altimeters..... | TO REGIONAL/AS REQD |
| Landing Lights..... | OFF |
| Fuel Pump..... | OFF |
| Undercarriage..... | CONFIRM UP & LOCKED |
| Radios/Nav Aids | SID |

Climb Checks

| | |
|--------------------------|-------------------|
| Engine Instruments | CHECK EVERY 1000' |
| Altimeters..... | SET/CROSS-CHECKED |

Cruise Checks (FREDA)

| | |
|-----------------------|-----------------------------|
| Fuel..... | CHECK CONTENTS/CONFIRM TANK |
| Radios/Nav Aids | SID |
| Engine..... | CHECK/SET MIXTURE |
| Wet Compass/HIS..... | SLAVING |
| Altimeters..... | SET/CROSS-CHECKED |

Approach Checks

| | |
|--------------------------|--------------------------|
| Radios/Nav Aids | SET |
| Altimeters | SET |
| Mixture..... | RICH |
| Fuel | SUFFICIENT FOR GO-AROUND |
| Fuel Pump | ON |
| Engine Instruments | CHECK |
| Seats..... | ERECT |
| Hatches/Harnesses | SECURE |
| Propellor Lever..... | AS REQUIRED |
| Alternate Air..... | CHECK |
| HSI | SLAVING |
| MSA..... | CHECK |
| Landing Lights | ON |

Pre-Landing Checks

| | |
|-------------------------|-----------------------|
| Brakes..... | OFF |
| Undercarriage | DOWN & 3 GREENS |
| Mixture..... | CHECK FULL RICH |
| Propellor Lever..... | FULLY FINE |
| Fuel | SWITCH TO FULLER TANK |
| Fuel Pump | CHECK ON |
| Alternate Air..... | AS REQUIRED |
| Seats..... | ERECT |
| Hatches/Harnesses | CHECK SECURE |
| Alternate Air..... | CHECK |

Final Approach Checks

| | |
|----------------------|-------------------|
| Mixture..... | CHECK FULL RICH |
| Propellor Lever..... | CHECK FULLY FINE |
| Undercarriage | CHECK DOWN/LOCKED |

After Landing Checks

| | |
|-------------------------------|---------|
| Flaps | UP |
| Fuel Pump | OFF |
| Pitot Heat | OFF |
| | |
| Landing Light | OFF |
| Anti-collision (Strobes)..... | OFF |
| Unnecessary Radios | OFF |
| Trims | NEUTRAL |

Shutdown Checks

| | |
|---------------------------------|--------------|
| Parking Brake | ON |
| Throttle | SET 1400 RPM |
| Magnetos | CHECK |
| Radios..... | OFF |
| Throttle | CLOSED |
| Mixture..... | ICO |
| Magnetos | OFF |
| Beacon Light..... | OFF |
| Battery Master/Alternator | OFF |
| Fuel Selector | OFF |