ECLIPSE AEROSPACE

Total Eclipse Plus™/500 Plus™ Checklist

BEFORE STARTING

1. GPU (If Required) ..... Connect
2. Door ..... Closed, Five Green Flags
3. Seat Belts, Shoulder Harness, ... Fasten
4. Seat Rail Stop Assembly ..... Down/Locked
5. Circuit Breakers (Arm Rest) ..... Set
6. Flight Controls ..... Free
7. OXYGEN Control ..... PULL ON
8. Passenger Mask ..... AUTO
9. OXYGEN Pressure ..... Check
10. ❶ Crew Mask ..... Check, Select 100%
11. Headrest ..... Adjust for Crew Mask Access
12. AIR SOURCE Switch ..... As Required*
    * If OAT is warmer than 75°F (24°C), Air Source may be set OFF before & during taxi to reduce AC load.
13. R GEN Switch ... AUTO or OFF (As required)
14. BUS TIE Switch ..... AUTO
15. SYSTEM BATT Switch ..... ON
16. L GEN Switch .... AUTO or OFF (As required)
17. ❶ ELT Switch ..... ARM
18. COM MIC Switch(es) ..... HEADSET
19. LEFT PFD & CNS 1 Circuit Breaker ..... Set
20. LEFT ACS Circuit Breaker ..... Set
21. External Lights ..... As Required
22. GEAR ..... Three Green
23. Fuel Quantity ..... Check
24. PARKING BRAKE ..... Set
25. ATIS, Clearance ..... Obtain
26. Altimeter / SDUs ..... Set Current BARO
27. COM/NAV/XPDR/FMS ..... Set for Departure
28. Takeoff Data (V_R, V_{50}, Dist.) ..... Determine
29. Enter Takeoff Data (OPS Page):
    a. WEIGHT/BALANCE ..... Enter
    b. T/O TEMP, V_R, FLAP SEL (VSPEEDS ENG TEMP)* ..... Enter
    * If T/O TEMP is not immediately accepted, re-enter after taxi & prior to takeoff. T/O performance data is NOT assured unless T/O TEMP is properly entered.
30. LDG ALT ..... Set Landing Altitude
31. AIR COND, Temp, FANS ..... As Required
32. Electronic Circuit Breakers ..... Check

ENGINE START

1. SYS BATT Voltages .... Check, 23 V Minimum
2. STROBE/BEACON Switch ..... BEACON
3. Throttles ..... IDLE
4. START BATT Switch ..... ON
5. DC Volts 23V Min (Batt start); 25V Min (GPU)
6. R ENGINE Selector ..... ON/START*
   * If GPU is connected, both engines may be started with GEN Switches OFF. If starting with batteries only, the GEN Switch for the engine that is started first MUST be turned to AUTO with Generator online before the second engine start.
7. R GEN Switch .... AUTO or OFF (As required)
   * If engine fails to start: Dry motor the failed eng to clear trapped fuel, then allow N2 to go to 0% before second start attempt. *Observe "Engine Starting Limitation" in AFM.*
8. L ENGINE Selector ..... ON/START
9. Engine Instruments ..... Check
10. L & R GEN Switch(es) ..... AUTO
11. GPU (If connected) ..... Disconnect

BEFORE TAXI

1. Systems Test (OPS Page)**
   a. ❶ COCKPIT LAMPS ..... TEST
   b. ❶ AUTOPILOT ..... TEST
   c. STALL PROTECTION ..... TEST
   d. TERRAIN ALERT SYS (if installed) ..... TEST
   e. TRAFFIC ALERT SYS (if installed) ..... TEST
   f. LIGHTNING DETECTION (If Installed) ..... TEST
   * If GPU connected, okay to check BEFORE START.
2. SDU ..... Check**
3. GPS ..... Check*
   * If GPU connected, okay to check BEFORE START.
4. ABS ..... Test**
5. Trims (PITCH, ROLL, YAW) ..... Set Takeoff
6. ICE PROT ..... Test**; Set as Req*
   * WING Deice OFF or ENG only for T/O.
7. Electronic Circuit Breakers ..... Check
8. FLAPS ..... Set For Takeoff
9. Seats Inertia Reel ..... Locked
10. External Lights ..... As Required
11. Passenger Briefing ..... Complete
12. Taxi and Takeoff Briefing ..... Complete
13. PARKING BRAKE ..... Released
    * * Refer to Amp. Norm Proc. in AFM.

TAXI

1. Brakes ..... Check
2. Flight Instruments ..... Check

BEFORE TAKEOFF

1. WXR (If Installed) ..... As Required*
   * While on the ground, STAB OFF and/or RADAR FAIL may momentarily display if WXR is turned ON; or RADAR NO DATA may display if WXR is turned to STANDBY; no action required.
2. Batteries ..... Less than 7 Amps Charge
3. Warning Lights / CAS ..... Check & Consider

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❶ Required First Flight of Day or Crew Change

Never use excessive force against throttle stops.

4. T/O CONFIG OK.....Check Displayed
5. Air Source Switch .....NORM
6. External Lights.....As Required
7. TOGA Button .....Press

WARNING: Do not apply brakes in air with ABS ARMED. Loss of braking pressure will occur. Release brakes after touchdown and reapply (pump brakes) for correct activation. Several brake applications may be required to establish full braking pressure.

AFTER TAKEOFF

1. GEAR (positive rate of climb) .....UP
2. FLAPS (400 ft. AGL & obstacle clearance) .....UP
3. Yaw Damper ..... ON
4. Throttles.....MCT
5. ICE PROT.....As Req. *(See AFM)*

CLIMB

10,000 feet:

1. Pressurization.....Check
2. Landing Lights ..... Off

18,000 feet or Transition Alt:

3. Altimeter / SDU ..... Set STD

Prior to entering RVSM airspace:

4. XPDR 1.....Select

CRUISE

1. Cruise Power ..... Set
2. Engine Instruments.....Monitor
3. Pressurization.....Monitor
4. Oxygen .....Monitor
5. Fuel Quantity .....Monitor

DESCENT/APPROACH

1. If Dest Chg – LDG ALT ..... Set Land. Alt.
2. Seat Belts/Harness/Inertia Reel .....Fasten
3. Windshield Defog .....As Required
4. ICE PROT.....As Req. *(See AFM)*

FL 180 or Transition Level:

5. Altimeter / SDU ..... Set Current BARO
6. Landing Lights .....As Required
7. Weight & Bal. (OPS Pg)..... Verify Accepted
8. Landing Data (V_{REF}, Dist.)..... Determine
9. V_{REF} (Ops Page VSPEEDS).. Enter Fin App Speed
10. Approach Setup and Brief..... Complete

BEFORE LANDING

1. GEAR ..... DOWN
2. ABS Switch ..... Verify ARMED
3. FLAPS ..... LDG
4. Autopilot & Yaw Damper .....OFF

WARNING: Do not apply brakes in air with ABS ARMED. Loss of braking pressure will occur. Release brakes after touchdown and reapply (pump brakes) for correct activation. Several brake applications may be required to establish full braking pressure.

MISSED APPROACH/GO-AROUND

1. Throttles ..... MAX (no excessive force)
2. TOGA Button.....Press
3. Pitch .....10° Nose Up
4. FLAPS..... T/O

When positive rate of climb is established:

5. GEAR..... UP
6. Airspeed ..... V_{YSE}

CAUTION: Do NOT retract flaps to UP if flaps were extended while in icing conditions.

7. FLAPS (400 ft. AGL & obstacle clearance)... UP

AFTER LANDING

CAUTION: Do NOT retract flaps to UP if flaps were extended while in icing conditions.

1. FLAPS..... UP
2. External Lights..... As Required
3. AIR SOURCE Switch.....As Required*

   * If OAT is warmer than 75°F/24°C, Air Source may be set OFF before & during taxi to reduce AC workload.

4. ICE PROT ..... OFF or As Required

SHUTDOWN

1. Throttles .....Stabilize 1 min. at Idle
2. PARKING BRAKE ..... As Required
3. ❶AIR SOURCE Switch.....R; L; OFF*

   * Pause briefly after each position; no Fault CAS

4. ENGINE Selectors.....OFF
5. SYS BATT Switch.....OFF
6. START BATT Switch .....OFF
7. L GEN Switch.....OFF
8. R GEN Switch .....OFF
9. BUS TIE Switch.....OPEN
10. OXYGEN Control .....PUSH OFF
11. Control Gust Lock..... SECURED
12. Pitot, Static, Eng. Covers ..... As Required

Weight (lbs)	V_R (Kts) (Flaps T/O)*	V_{REF} (Kts) (Flaps LAND)
6000	**91**	**98****
5600	**88**	**94**
5500	**87**	**93**
5000	**83**	**89**
4500	**79**	**85**
4000	**74**	**80**

* For ADC 2, add 2 Knots.
** Exceeds Max Landing Weight

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