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GULFSTREAM 200

AIRPLANE FLIGHT MANUAL

Section IV
Normal Procedures

BEFORE LANDING

1. Landing reference speed (V_{REF}) - CONFIRM AND SET (Section VII, Figures 7-243 through 7-272)

NOTE

If engine anti-ice and/or surface de-ice are activated before landing, select "De-ice ON" in the FMS conditions to obtain the correct V-speed values.

2. Landing lights - AS REQUIRED
3. PRESSURIZATION - MONITOR DEPRESSURIZATION
4. ANTI-ICE/DE-ICE - AS REQUIRED
5. IGNITION and WINDSHIELD HEAT - AS REQUIRED

NOTE

For aircraft with Mod 10157 installed, **L WINDSHIELD HEAT** message may momentarily come on if LIGHTS MASTER switch is placed in ON position with WINDSHIELD HEAT switch in ON position.

6. ENGINE SYNC switch - OFF
7. SLATS/FLAPS lever - AS REQUIRED
8. Landing gear lever - DOWN

NOTE

Ensure that landing gear lever is moved to the full extent of travel to the DOWN position.

9. Landing gear - DOWN AND LOCKED (3 **DN** indications)

NOTE

1. Extension times vary with temperature. Expect longer extension times after flying in cold soaking conditions.
2. It may take up to 22 seconds for green **DN** indication to appear.

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10. Hydraulic pressure - CHECK
11. EMERG BRAKE lever - CHECK OFF
12. ANTI-SKID pushbutton - CHECK ON (lights - out)
13. T/R ARM pushbuttons - PRESS (lights - on)
14. Ground A/B switch - ON
15. FLIGHT A/B switch - RETRACT
16. SLAT/FLAPS lever / position - CHECK
17. Yaw damper - DISENGAGE

GO AROUND (TWO-ENGINE)

1. Thrust levers - T/O THRUST
2. Approach Climb Speed - MAINTAIN; Press GA button and maintain a 9° deck angle minimum
3. SLATS/FLAPS lever - 20°
4. Landing gear lever - UP, after establishing positive climb gradient
5. At safe altitude (400 ft minimum) - Accelerate to flaps retraction speed (Figure 7-235)
6. FLAPS - UP, at 400 ft minimum; accelerate to climb speed.
7. GROUND A/B switch - OFF
8. T/R ARM pushbutton - PRESS (lights - out)
9. Slats - AS REQUIRED

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AFTER TOUCHDOWN

1. Thrust levers - IDLE
2. Wheel brakes - APPLY
3. Maintain positive nose contact with runway, using firm push of the control wheel; READY light - ON
4. T/R latches - Raise, deploy and set as required

AFTER LANDING

1. Lights - AS REQUIRED

NOTE

Avoid use of landing lights during ground operations.

2. WINDSHIELD HEAT switch - OFF
3. PROBES HEAT switch - AUTO
4. BAGGAGE COMPT. HEAT switch - OFF
5. ANTI-ICE/DE-ICE - OFF
6. APU - As required
7. L STBY PUMP switch - OFF;
R STBY PUMP switch - As required for APU
8. **IGNITION ON** message - OFF
9. BATT MASTER switch - OVRRD LOAD REDUCT
10. Transponder - Standby
11. Emergency attitude gyro - CAGE
12. SLATS/FLAPS / TRIM - As required
13. Weather radar - OFF
14. GROUND A/B switch - OFF
15. RUDDER BIAS pushbutton - PRESS (light - on)
16. FMS's - Record data

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ENGINE SHUT-DOWN

1. PARKING BRAKE lever - PARK
2. NWS switch - OFF
3. EMERGENCY BATT switch - OFF
4. EMERGENCY LTS switch - OFF
5. IRS/FMS/avionics - OFF
6. T/R ARM pushbuttons - OFF (lights - out)
7. Thrust levers - IDLE for 1 minute (including taxi time) before shut-down
8. FUEL CUT OFF pushbuttons - PRESS (lights - on)

CAUTION

MONITOR ENGINE COAST-DOWN FOR UNUSUAL NOISES. IF SUDDEN ITT RISE IS NOTED, MOTOR ENGINE BY MEANS OF ENGINE STARTER TO CLEAR ENGINE. INSPECT ENGINE FOR DAMAGE PRIOR TO NEXT START.

9. AUX HYD PUMP switch - OFF
10. Oxygen shutoff switch - OFF
11. GUST LOCK - ENGAGE
12. Chocks - IN PLACE
13. PARKING BRAKE lever - AS REQUIRED
14. Emergency attitude gyro - CAGE; (not applicable for 3 in 1 standby instrument)
15. **FADEC** messages - CHECK OFF

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16. APU shutdown:
 - a. APU STARTER switch - STOP
 - b. APU GEN switch - OFF
 - c. ECS selector - BOTH ENGINES
 - d. EGT - MONITOR

On ground, if EGT remains stable or increases as the RPM decreases, see **APU TAIL PIPE FIRE ON GROUND**, page II-21

When APU RPM is below 9%:

- e. APU MASTER switch - DOOR CLOSE

When **APU DOOR CLOSED** message comes on:

- f. APU MASTER switch - OFF

17. ECS selector - RAM

NOTE

When switching the ECS controller from APU to RAM there may be a momentary **BLEED PRESS/TEMP HI** message for up to 5 seconds

18. R STBY PUMP switch - OFF
19. BATT MASTER switch - OFF
20. Oil quantity - CHECK (after last flight of day)

NOTE

Check oil level at least 10 minutes after engine shutdown. If oil level is below MIN on sight gage and engine has been shut down for more than 20 minutes, perform 20 second engine motoring cycle to return oil to tank from AGB and then re-check.



DO NOT EXCEED MAXIMUM STARTER CYCLE DUTY TIME OF 25 SECONDS DURING ENGINE MOTORING, OR DAMAGE TO STARTER CAN OCCUR.

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COCKPIT AND EXTERIOR POST FLIGHT

NOTE

The items below are connected directly to the left and right hot battery busses. If left in the ON or OPEN positions the items can cause depletion of the aircraft batteries over time.

COCKPIT POST FLIGHT

1. REFUEL OFF pushbutton - OFF (light - out)
2. PARK/EMERG BRAKE lever - OFF
3. Dome light - OFF
4. Entry light - OFF

EXTERIOR POST FLIGHT

1. AIRSTAIR LTS switch - OFF
2. Ground service switch (potable water ground service panel) - OFF
3. MASTER PWR switch (refuel/defuel control panel) - OFF
4. Right pylon light - OFF
5. Left pylon light - OFF
6. Baggage compartment light - OFF
7. Main entrance door - CLOSED
8. Beacon light (red – top of vertical stabilizer) - OUT