

APU Panel

AGENT DISCH Fire Handle

Illuminates when an APU fire is detected, and automatically commands:

- Master Warning lights on
- EAD alert
- APU FIRE illuminates (red) on APU Fire Handle
- Fire Horn sounds near external APU Panel (nose gear area)
- APU shuts down
- Aural Warning sounds
- If equipped with 3rd, dedicated fire bottle, it will automatically discharge

Pulling the APU Fire Handle:

- Emergency APU shutdown
- Fire extinguishing agent is armed to discharge
- APU Generator disconnects / de-energized
- APU Fuel Valve closes
- #2 Engine bleed valve closes

Rotating the handle (after pulling):

- (Clockwise) Discharges fire bottle #1 (shared with engine 2)
- (Counterclockwise) Discharges fire bottle #2 (shared with engine 2)

APU In-Flight Parameters

- | | |
|-------|-----------------------------------|
| Start | Up to 25,000 ft. |
| Run | Up to 30,000 ft (electrical only) |

ENG/APU FIRE TEST Button

When pressed:

- ENG and APU Fire Handles illuminate
- Fuel Switches illuminate
- Both Master Warning lights flash
- Fire Bell and aural warning tone sounds
- ENG 1,2,3 and APU FIRE alerts display
- ENG FIRE voice warning sounds
- (6) Eng FIRE AGT LOW lights and (2) APU FIRE AGENT LOW (if installed) illuminate

**When on battery power only, the Master Warning lights, Fire Bell and FIRE alerts will not activate*



APU GEN Switch

Pressed

- Resets APU Gen if Elec in manual mode

OFF (illuminated)

- Gen on speed, but malfunction has occurred

APU START/STOP Switch

Starts and stops the APU manually

If this switch is used to start the APU, it must also be used to shut it down

ON (Switch pressed and ON illuminated)

- Flashes when APU is starting. Steady when started and ready for use
- If APU shuts down due to fire, light flashes until the switch is selected to OFF

OFF (When pressed)

- Illuminates steady when APU shutdown is initiated
- APU bleed valve automatically closes
- APU shuts down 90 seconds after no longer supplying air
- Remains illuminated until shutdown is complete

APU FUEL/FAIL/DOOR Status lights

FUEL (illuminated)

- Fuel pressure is too low

DOOR (illuminated)

- APU inlet door not fully open during start
- APU inlet door not fully closed after shutdown (*The door begins to close approx 60 seconds after shutdown. Shutdown occurs approx 90 seconds after APU is no longer supplying air. The door takes approx 12 seconds to close*)

FAIL

- APU has failed, and start is not possible

APU FIRE AGENT (1,2) Low Light

Associated with APU fire bottles 1 & 2 that are shared with engine 2. *These lights are not installed on all MD-11s*

LOW (illuminated)

- Associated fire bottle has been manually discharged



APU FIRE AGENT 3 DISC/LOW Switch

This switch is only installed on aircraft that have the third, dedicated APU fire bottle installed.

LOW (illuminated)

- Respective fire bottle has been automatically or manually discharged

DISC (illuminated)

- APU Fire Handle has been pulled

DISC Switch Pressed

- Manually discharges fire bottle 3 (if auto discharge fails – APU fire handle must be pulled before switch is pressed)



APU Auto Shutdown:

- | | |
|---------------------------------------|---|
| -Overspeed or loss of N1 or N2 signal | -High EGT or loss of EGT signal |
| -Low oil pressure or high oil temp | -No light-off during start, or slow start |
| -Reverse flow in bleed air system | -Inlet door not open, or power failure |
| -Fire warning | -Loss of DC power |