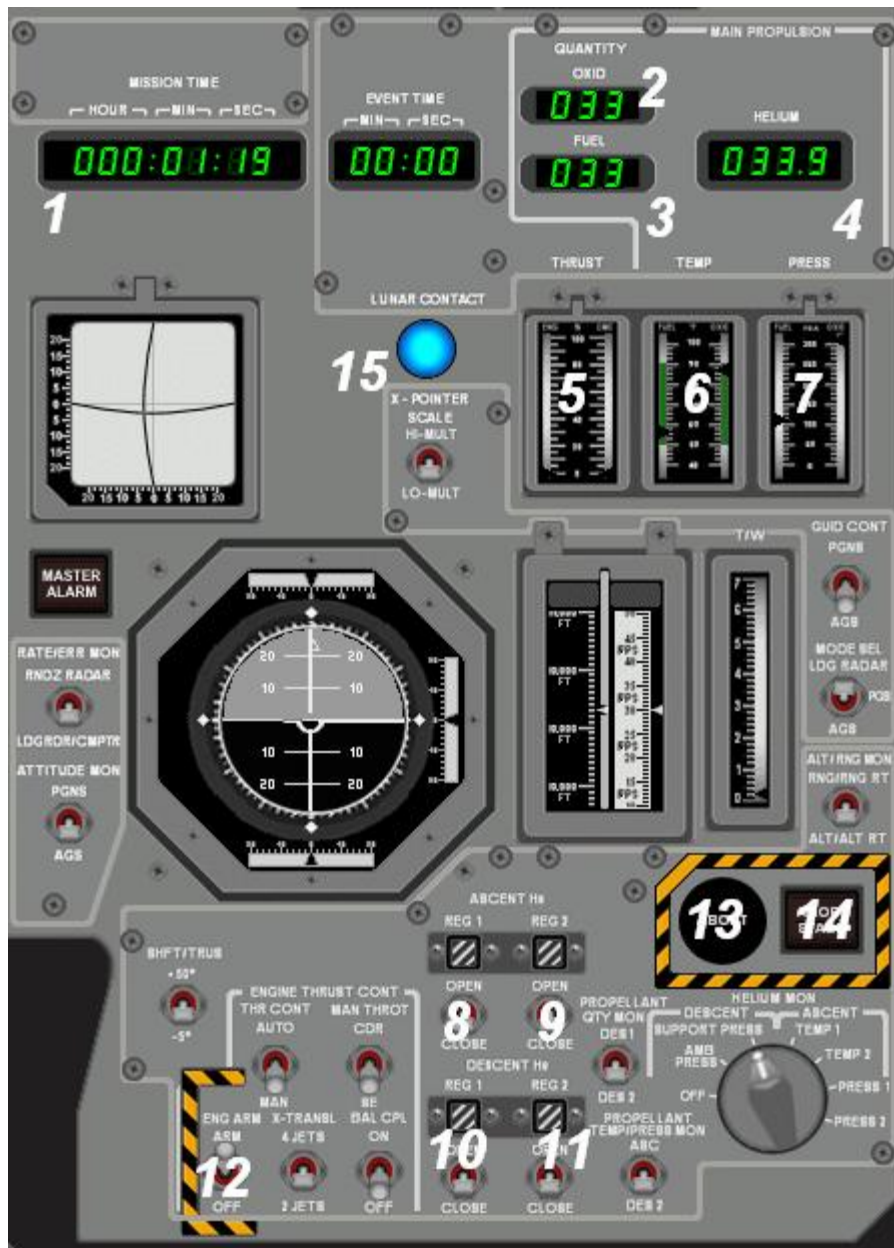


NCPP LM Instrument Panel Manual version 1.0 beta

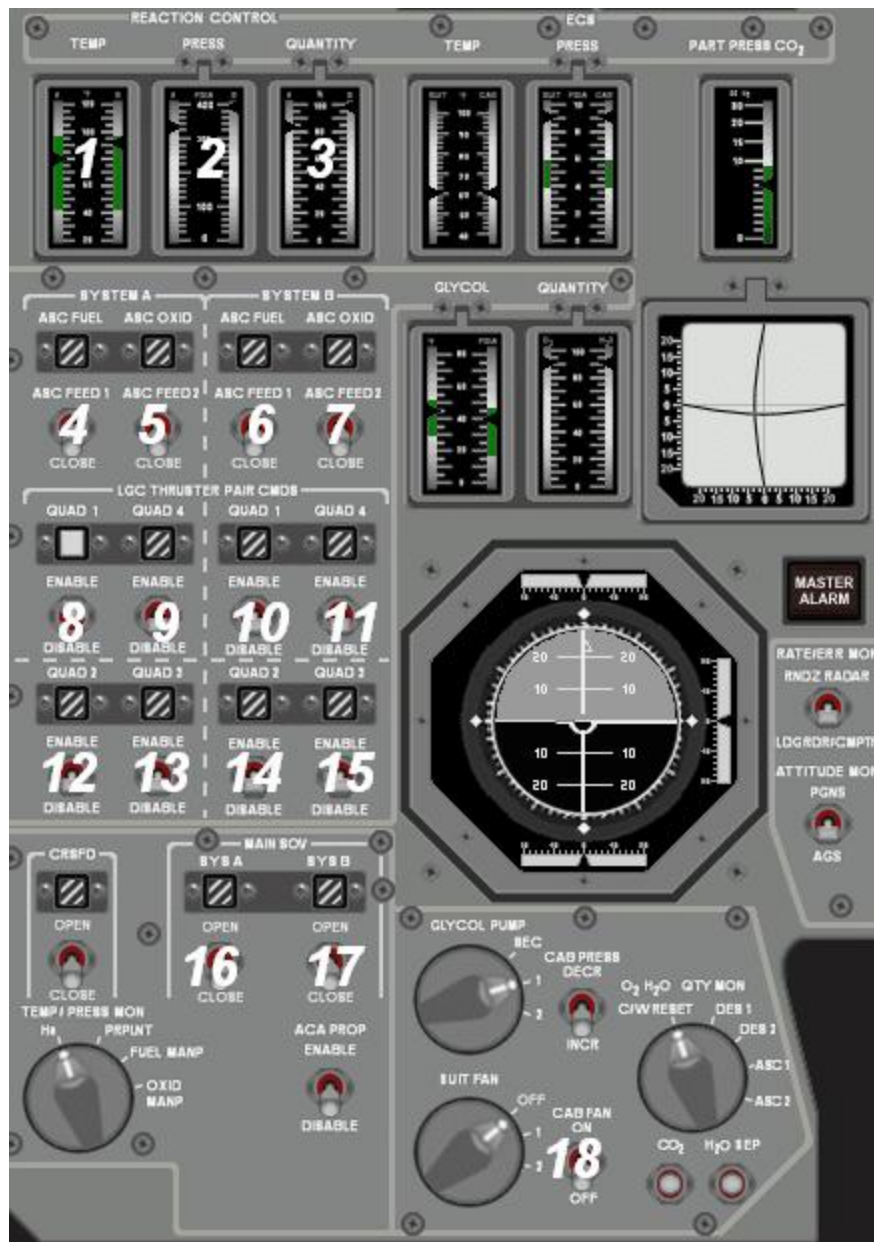
Main Propulsion, Panel 1 (left hand panel)



- 1 Mission Timer
- 2, 3, 4 Indicates Main Propulsion OXID, FUEL and HELIUM quantity.
- 5 Indicates main propulsion thrust (descent and ascent engine).
- 6 Indicates main propulsion fuel temp (descent and ascent fuel).
- 7 Indicates main propulsion fuel press/quantity (descent and ascent fuel).

- 8, 9** Pressurize the ASCENT HELIUM of the ascent stage if the two switches are switched to CLOSE. See "LM Checklist".
- 10, 11** Pressurize the DESCENT HELIUM of the descent stage if the two switches are switched to CLOSE. See "LM Checklist".
- 12** **ENG ARM** arms the engine of the ascent and/or descent stage.
- 13** Press the ABORT button if you want to abort the descent. The ascent stage will separate from the descent stage. See "LM Checklist".
- 14** Push the ABORT STAGE light to off after abort.
- 15** Lights up when the LM is on the lunar surface.

Reaction Control System, Panel 2 (right hand panel)



- 1 Indicates RCS fuel temperatue (descent and ascent stage).
- 2 Indicates RCS fuel pressure (descent and ascent stage).
- 3 Indicates RCS fuel quantity (descent and ascent stage).
- 4-7 These switches select the ascent (upper position) or descent (lower position) RCS.
- 8-15 These switches enable the LGC Thrusters Pair Commands.
- 16, 17 These two switches open and close the RCS MAIN SHUT OFF VALVE.

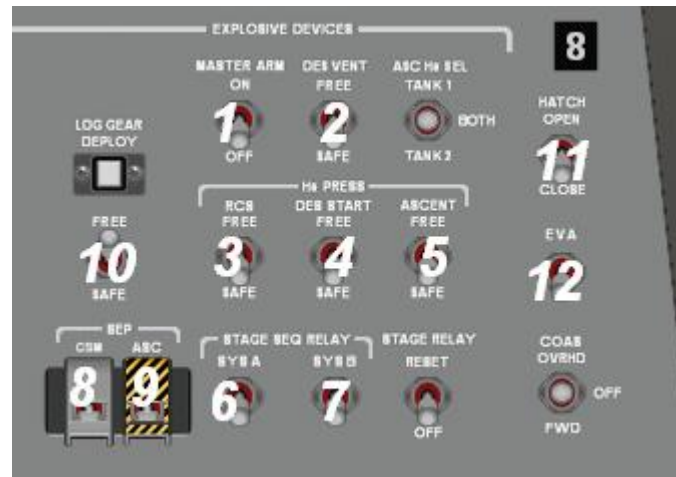
18 Turns on or off the cabin fans.

RCS Controls, Panel 3 and 4 (lower panels)



- 1 - 4 Enable the RCS.
- 5 - 7 Select ROLL, PTICH or YAW thrusters.
- 8 Changes between translation and/or rotation mode.
- 9 Enables descent/ascent engine gimbal.

Explosive Devices and EVA, Panel 8 (lower left panel)



- 1 Master ARM switch for the explosive devices.
- 2 Turns on descent vent.
- 3 Enables RCS He press.
- 4 Enables descent start He press.
- 5 Enables ascent He press.
- 6 and 7 Enable Stage Sequence Relay before lunar lift off.
- 8 Separates the CSM/LM before lunar landing.
- 9 Initiates the ascent stage.
- 10 Deploys the landing gear.

For detailed procedures see LM Checklists!

Lunar EVA

Switch Cabin Press switch on **panel 2** to DECR. Then open the hatch on panel 8 (**11**) and start your EVA (**12**).

COAS (*Crewman Optical Align sight*)

The LM COAS can be extracted by clicking on the middle of the left LM window. To retract it simply click where the COAS has to be retracted.