

T.O. 1F-16C-1

# HYD PRESS Indicators and Warning Light (Typical)

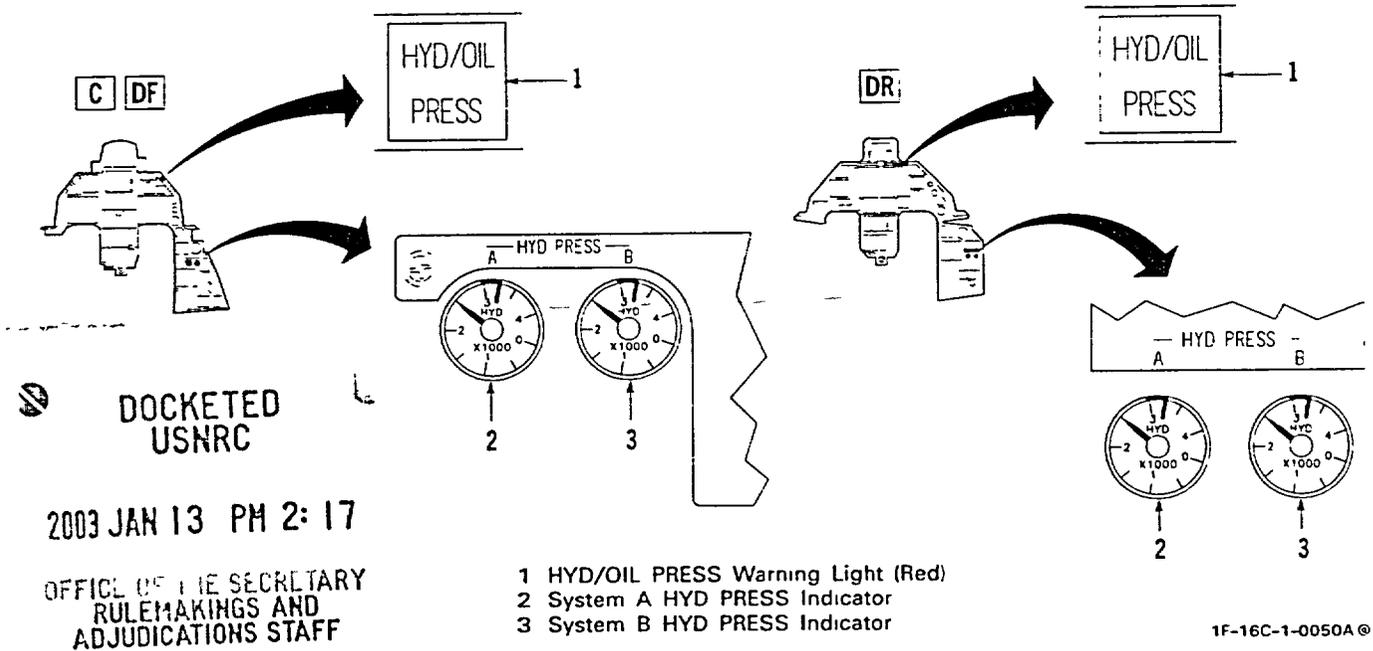


Figure 1-34.

### EPU Fired Indicator

The EPU fired indicator is located next to the EPU ground safety switch on the right side of the engine inlet. Normally, the indicator displays a gray and black disc. If the EPU has been activated, the indicator displays six equally spaced black and white triangles.

### EPU OPERATION

The EPU is designed to operate automatically for main and standby generator failure, dual hydraulic system failure, PTO shaft or ADG failure, and engine flameout or if the engine is shut down in flight. The EPU can also be activated manually. After receiving any start command, the EPU requires approximately 2 seconds to come up to speed.

EPU startup may not be audible. Once operating, however, the EPU may be heard but will not sound the same as during the EPU ground check. A lack of

sound during EPU startup does not indicate lack of EPU operation which must be confirmed by monitoring the EPU run light. EPU rpm is controlled by three speed controls. The primary and secondary speed controls are based on EPU rpm. The tertiary speed control is based on EPU PMG frequency

When the EPU is operating, engine thrust settings should be maintained to prevent using hydrazine. This normally requires a minimum of **PW220** 75-80, **GE100** 82-90 percent rpm depending on pressure altitude.

If the engine fails, hydrazine alone is used to power the EPU. With hydrazine only, operating time of the system is approximately 10 minutes under normal load requirements. Increased flight control movement reduces this operating time. When the EPU is the sole source of hydraulic power, EPU loss results in loss of aircraft control. Refer to **SERVICING DIAGRAM**, this section, for servicing/specifications information

NUCLEAR REGULATORY COMMISSION

License No. \_\_\_\_\_ Official Exam. No. 000

In the matter of PFS

Staff \_\_\_\_\_ IDENTIFIED

Applicant  RECEIVED

Intervenor \_\_\_\_\_ REJECTED \_\_\_\_\_

Other \_\_\_\_\_ WITHDRAWN \_\_\_\_\_

DATE 4-11-02 Witness \_\_\_\_\_

Clerk S. Snider