



## Low Oil Level Shutdown Kit 228492 for 2CM, 2CMZ & 2.5CMZ –RV Generator Sets

The low oil level (LOL) shutdown protects the generator set against damage if the engine lube oil falls below a safe level. When engine lube oil is dangerously low, the set will shut down and the "Low Oil" light (red) on the remote panel will light. If the generator set shuts down due to low oil level, add oil to the engine (to safe range on dipstick) and reset the generator by moving the remote switch to STOP/RESET position. Move remote switch to START position to start the generator set. Install the kit as described in the "Installation" section following. Observe the safety precautions included in the text when installing the low oil level shutdown kit.

### NOTE

The new remote panel supplied with the kit will fit in the space occupied by the old remote panel. Retain this instruction sheet for future reference.

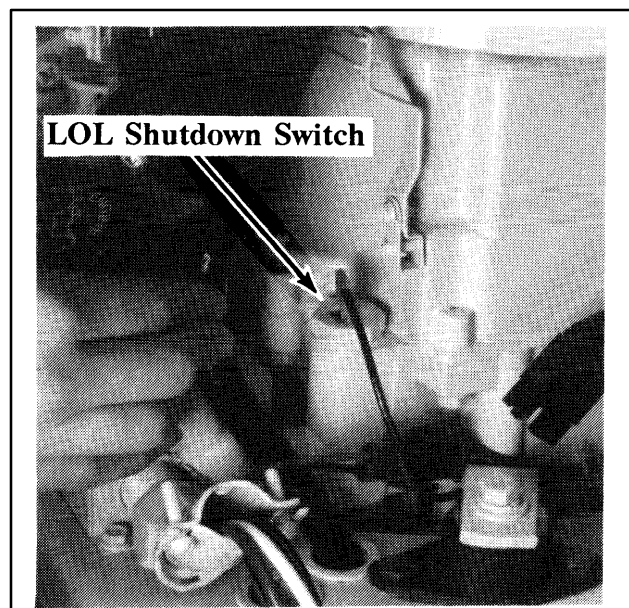


**⚠ WARNING**

**Accidental starting can cause death or serious personal injury.** Disconnect battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator. The generator set can be started by remote start/stop switch unless this precaution is followed.

### Installation

1. Disconnect starting battery, negative lead first.
2. Remove plastic oil fill plug from engine block. Install gasket (228485) and LOL shutdown switch (228484) in threaded opening previously occupied by plug. See Figure 1.
3. Remove remote panel mounting screws (retain screws). Disconnect remote panel wiring harness and choke linkage at generator set to remove remote panel assembly.



**Figure 1. Low Oil Level Shutdown Switch**

4. Route new remote panel wiring harness and choke linkage to generator set. Connect remote panel and engine harnesses with 6-pin connector. Connect black wire (with flag terminal) of remote panel wiring harness to low oil level switch terminal. Connect choke linkage to carburetor choke arm; do not final tighten.
5. If generator set is equipped with LP fuel option, cut wire to LP prime solenoid (on regulator) at engine harness plug 5. Attach eyelet terminal to end of LP solenoid wire and attach to start solenoid terminal. See Figures 2 and 3.
6. Secure remote panel in position with mounting screws retained in step 3.
7. Check choke for smooth, non-binding operation. Adjust linkage at carburetor (if necessary) so choke is fully-open with choke knob pushed in and fully-closed with choke knob pulled out. Final-tighten choke linkage at carburetor.

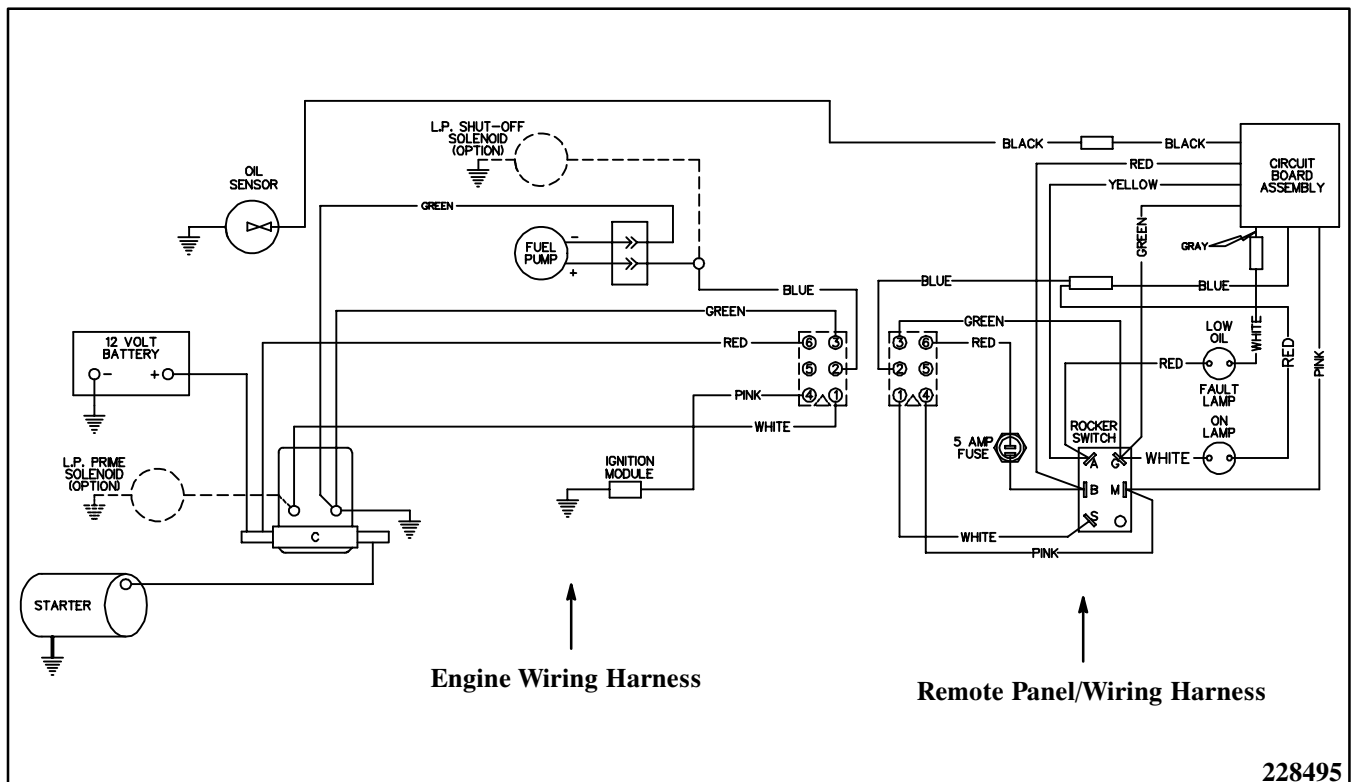
8. Reconnect generator set starting battery, negative lead last.

#### PARTS LISTING

Description	Qty.	Part No.
Remote Panel Assembly	1	A-228493
Sensor, oil	1	228484
Gasket, oil sensor	1	228485



**Figure 2. LP Fuel Solenoid Connection (if Equipped)**



228495

**Figure 3. Low Oil Level Shutdown Wiring Diagram**