
INSTALLATION INSTRUCTIONS

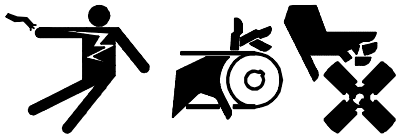
Emergency Stop Kits PA-273845 & PA-273845-SD

20-180 kW Standby Generator Sets

The emergency stop kit allows immediate shutdown of the generator set at the controller. The emergency stop kit can be used alone or in conjunction with remote emergency stop kits. This kit is intended for use with microprocessor controllers only.

If the emergency stop switch is activated, the controller emergency stop indicator lights and the unit shuts down. The generator set cannot be restarted until the emergency stop switch is reset and the controller is reset by placing the generator master switch in the OFF/RESET position.

Multiple emergency stop switches may be connected to the generator set; however, all switches must be connected in series for the system to function properly.

 **WARNING**

Accidental starting.
Can cause severe injury or death.

Disconnect battery cables before working on generator set (negative lead first and reconnect it last).

Accidental starting can cause severe injury or death. Turn generator master switch to OFF position, disconnect power to battery charger, and remove 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 automatic transfer switch or remote start/stop switch unless these precautions are followed.

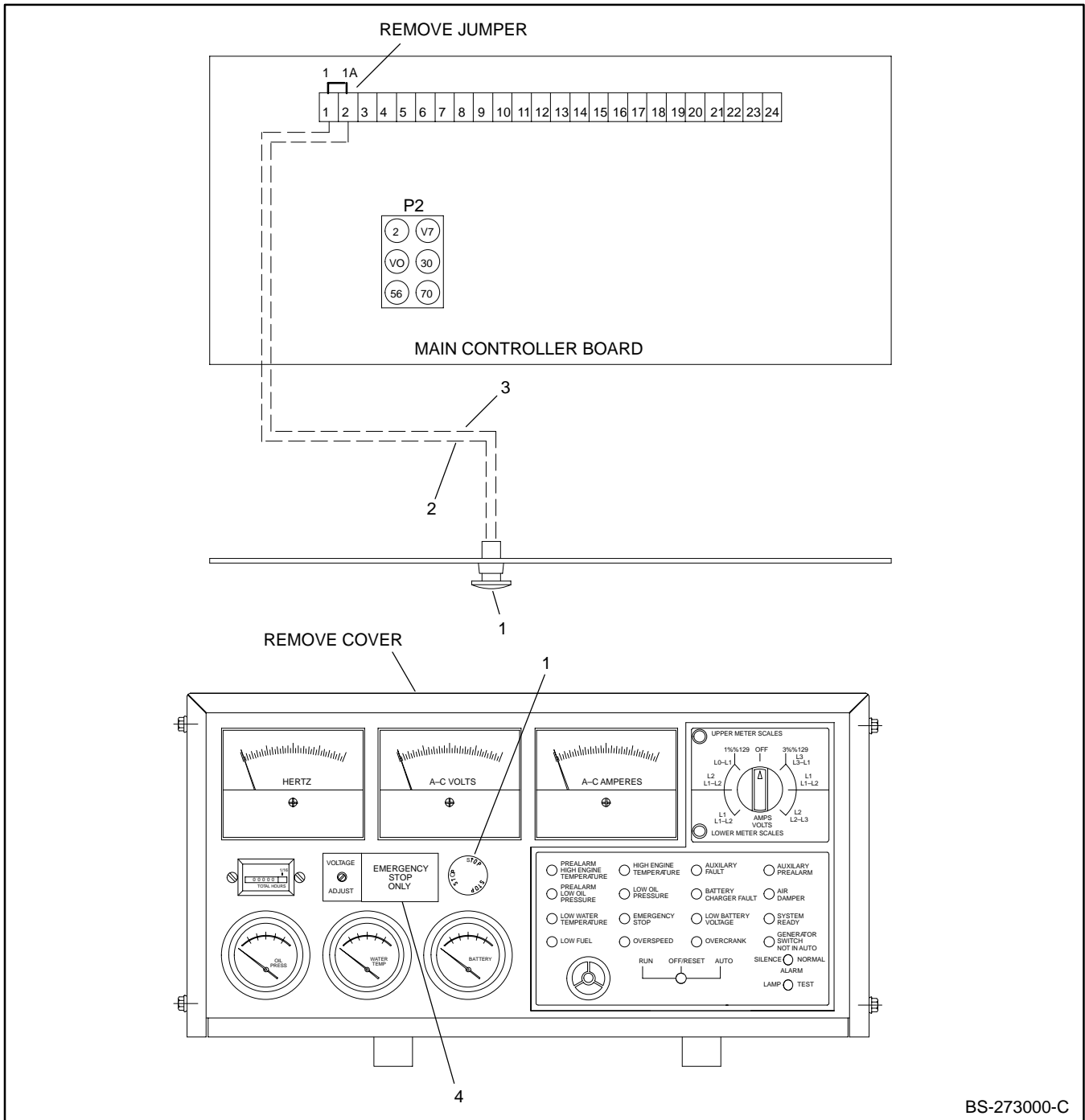
INSTALLATION

1. Move generator master switch to OFF/RESET position. Disconnect generator set battery cables, negative lead first.
2. Remove controller cover to access controller circuit board. Lower controller circuit board to a horizontal position.
3. Remove cover from hole in controller face panel. See Figure 1.
4. Install pushbutton switch (292364). The switch consists of three components—pushbutton actuator, mounting flange, and contact block. See Figure 2. Insert pushbutton actuator through hole, from the front of controller face panel. Align pins in mounting flange with channels in pushbutton actuator, slide mounting flange onto actuator body, and turn mounting flange quarter-turn counterclockwise to lock. Adjust screws to secure assembly to controller face panel; do not overtighten screws. Turn pushbutton clockwise to reset, if required.
5. Attach contact block to switch assembly. See Figure 2.
6. Attach leads (SW01-1834-2727 and SW1A-1834-2727) to switch. Route leads to circuit board terminal strip. Secure leads with cable ties (not supplied).
7. Locate TB-1 terminal strip and remove the jumper from terminals 1 and 1A. The jumper will not be reused.
8. Return controller circuit board to vertical position and reinstall controller cover.
9. With surface clean and dry, apply emergency stop decal (292467) to controller face plate as shown.
10. Reconnect battery cables, negative lead last.
11. Move generator master switch to OFF/RESET position to reset the controller.
12. Test function of the emergency stop switch by placing the generator master switch to the RUN position to start generator set.

13. After the generator set has run for a few minutes, press the STOP button. The generator set should stop and the controller emergency stop fault lamp will light on 16-light microprocessor controllers. On 5- and 6-light microprocessor controllers, the low water temperature/auxiliary lamp will light.
14. Rotate the emergency stop pushbutton switch clockwise until the pushbutton springs back to the

original position. The emergency stop lamp will turn off and the auxiliary fault lamp will light on 16-light microprocessor controller.

15. Move generator master switch to OFF/RESET position to reset controller. Auxiliary lamp should turn off on 16-light microprocessor controllers. On 5- and 6-light microprocessor controllers the low water temperature/auxiliary lamp will turn off.

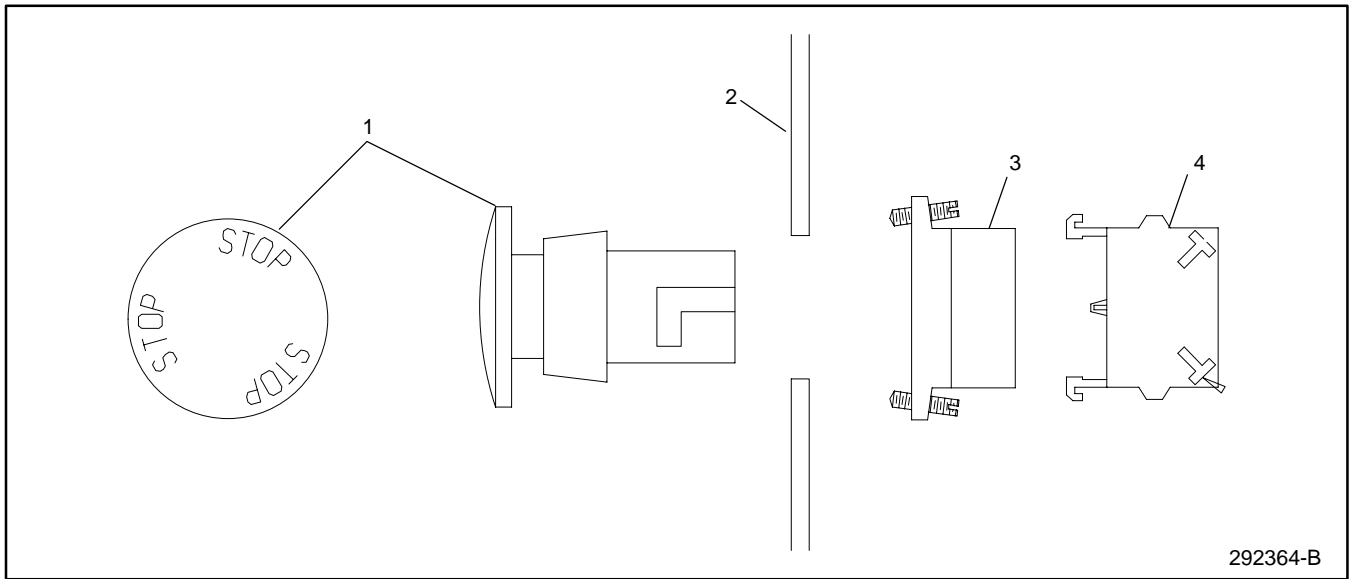


BS-273000-C

1. Pushbutton Switch (292364)
2. Lead (SW01-1834-2727)

3. Lead (SW1A-1834-2727)
4. Emergency Stop Decal (292467)

Figure 1. Emergency Stop Kit



292364-B

- 1. Pushbutton Actuator
- 2. Controller Faceplate

- 3. Mounting Flange
- 4. Contact Block

Figure 2. Emergency Stop Switch

| Parts List | | |
|---|-------------|-----------------|
| Kit PA-273845 & PA-273845-SD | | |
| Description | Qty. | Part No. |
| Lead | 1 | SW01-1834-2727 |
| Lead | 1 | SW1A-1834-2727 |
| Switch, pushbutton | 1 | 292364 |
| Decal, emergency stop | 1 | 292467 |