

## INSTALLATION INSTRUCTIONS

Original Issue Date: 5/04

Model: **8-32EOZD and 6.5-27EFOZD**  
**6EKOD, 9-11EKOZD, 5EFKOD, and 7-9EFKOZD**  
**5-10EKD and 4-8EFKD**

Market: **Marine**

Subject: **Remote Start Panel Kits**  
**GM32335-KP1 (12 Volt) and GM32335-KP2 (24 Volt)**

### Introduction

The remote start panel allows starting and stopping of the generator set from a remote location. These model generator sets have a 12-pin customer-interface connector for connection to the remote start panel. See Figure 1 for the panel features.

**Note: For units with an ADC 2100 Controller:** The ADC master switch must be in the AUTO position for operation of the remote start/stop. If the ADC master switch is in the OFF or RUN position, remote start/stop commands are not supported.

**Note: For units with an ADCII or ADCIId Controller:** The ADC power button must be ON for operation of the remote start/stop. If the ADC power button is OFF, remote start/stop commands are not supported.

- **Hourmeter:** Records the total generator set operating hours for reference in maintenance scheduling.

**Note:** For generator sets already in service, the runtime hours on the ADC controller will have accumulated hours and therefore reflect a different reading than the panel kit's hourmeter. Use the same runtime hour display each time to schedule maintenance.

- **Start/Stop Switch:** Rocker-type switch used to start and stop the generator set.

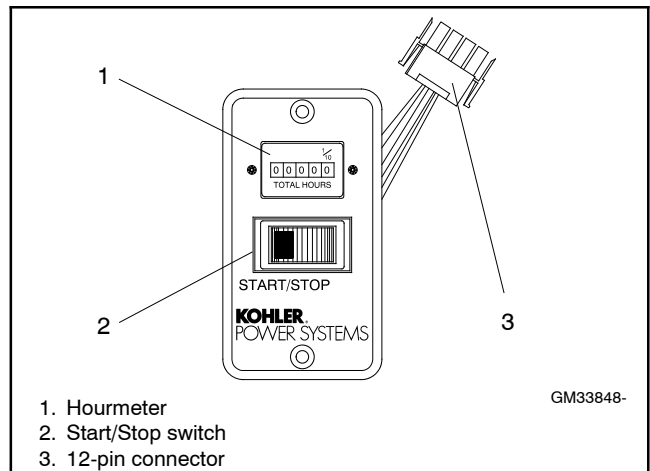
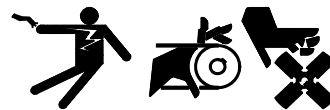


Figure 1 Remote Start Panel Features

### Safety Precautions


#### ⚠ WARNING




**Accidental starting.**  
**Can cause severe injury or death.**

Disconnect the battery cables before working on the generator set. Remove the negative (-) lead first when disconnecting the battery. Reconnect the negative (-) lead last when reconnecting the battery.

**Disabling the generator set. Accidental starting can cause severe injury or death.** Before working on the generator set or connected equipment, disable the generator set as follows: (1) Move the generator set master switch to the OFF position. (2) Disconnect the power to the battery charger. (3) Remove the battery cables, negative (-) lead first. Reconnect the negative (-) lead last when reconnecting the battery. Follow these precautions to prevent starting of the generator set by an automatic transfer switch, remote start/stop switch, or engine start command from a remote computer.

<b>⚠ WARNING</b>

<b>Carbon monoxide.</b> <b>Can cause severe nausea, fainting, or death.</b>
The exhaust system must be leakproof and routinely inspected.

**Operating the generator set. Carbon monoxide can cause severe nausea, fainting, or death.** Be especially careful if operating the generator set when moored or anchored under calm conditions because gases may accumulate. If operating the generator set dockside, moor the craft so that the exhaust discharges on the lee side (the side sheltered from the wind). Always be aware of others, making sure your exhaust is directed away from other boats and buildings.

<b>⚠ WARNING</b>

<b>Explosion.</b> <b>Gasoline vapors can cause explosion and severe injury or death.</b>
Before starting the generator set, operate the blower 4 minutes and check the engine compartment for gasoline vapors.

**Ignition-protected equipment. Explosive fuel vapors can cause severe injury or death.** Gasoline vapors can cause an explosion. USCG Regulation 33CFR183 requires that all electrical devices (ship-to-shore transfer switch, remote start panel, etc.) must be ignition protected when used in a gasoline and gaseous-fueled environment.

## Installation Procedure

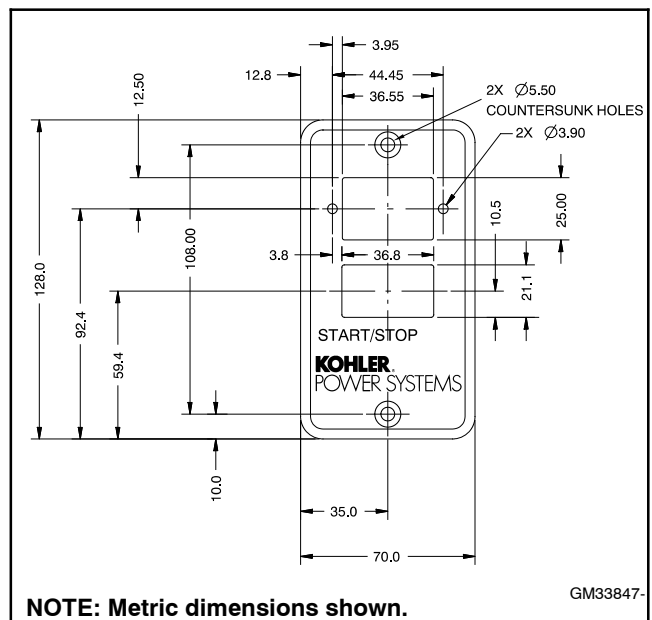
1. **Remove the generator set from service.**
  - 1.1 Place the generator set master switch in the OFF position.
  - 1.2 Disconnect the generator set engine starting battery, negative (-) lead first.
2. **Install the remote panel kit.**
  - 2.1 Select a dry location in the wheelhouse or bridge to mount the remote start panel. Consider the length of the wiring harness and the panel's mounting depth and size when selecting a location.

**Note:** Order a remote extension harness kit. See Figure 2 for kit selection. Do not use more than 3 remote harness kits and do not exceed 22.86 m (75 ft.) in harness length.

Remote Extension Harness Kit Number	Length m (ft.)
GM32333-KP1	4.6 (15)
GM32333-KP2	7.6 (25)

**Figure 2** Remote Extension Harness Kits

- 2.2 See Figure 3 for the mounting dimensions. The minimum mounting clearance behind the panel is 76.2 mm (3 in.). Mount the panel using 2 screws (not supplied).



**Figure 3** Mounting Dimensions

2.3 Connect the remote start panel connector or the remote extension harness, if used, to the generator set's customer-interface connector (12-pin connector). See Figure 4 and Figure 5.

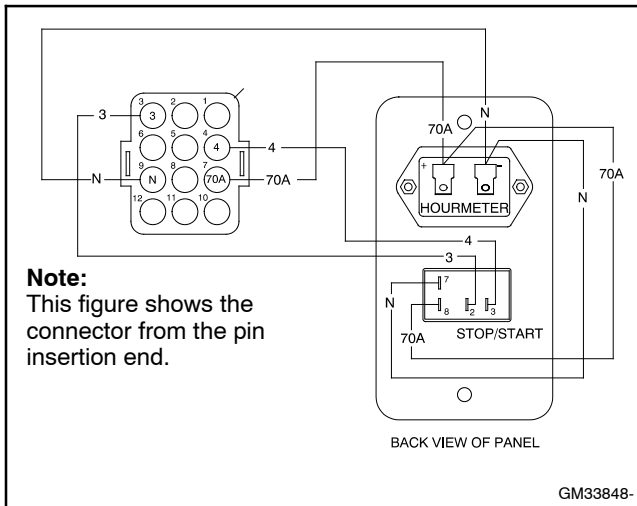


Figure 4 Remote Start Panel's Electrical Connections

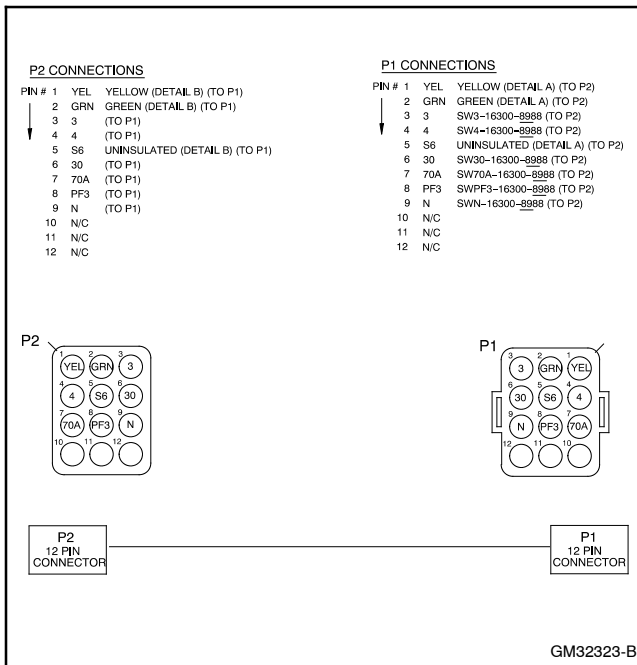


Figure 5 Remote Extension Harness (15- or 25-Ft.)

2.4 Use rubber grommets and cable ties as necessary to protect and secure the wiring from sharp objects, exhaust system, water, and any moving parts.

2.5 For gasoline-fueled generator sets, select a location as near as practical to the generator remote start panel for mounting the warning decal. The decal should be visible when starting the generator set from the remote panel. Before applying the decal, ensure that the surface is clean and dry. See Figure 6.

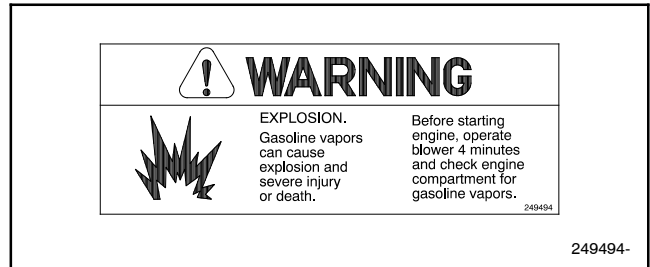


Figure 6 Warning Decal

### 3. Restore the generator set to service.

- 3.1 Check that the generator set master switch is in the OFF position.
- 3.2 Reconnect the generator set engine starting battery, negative (-) lead last.

## Parts List

### Remote Start Panels

Kit: GM32335-KP1 (12 Volt)		
Qty.	Description	Part Number
1	Panel Assembly (includes * items)	GM33848-1
	* Panel, control	GM33847
	* Harness, wiring	GM33851
	* Hourmeter	238736
	* Switch, rocker	GM33849
1	Decal, warning	249494
Kit: GM32335-KP2 (24 Volt)		
Qty.	Description	Part Number
1	Panel Assembly (includes * items)	GM33848-2
	* Panel, control	GM33847
	* Harness, wiring	GM33851
	* Hourmeter	238736
	* Switch, rocker	GM33850
1	Decal, warning	249494

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