

## INSTALLATION INSTRUCTIONS

Original Issue Date: 5/04

Model: 30-100 kW (GM-Powered Generator Sets)

Market: Industrial

Subject: Governor Service Kit GM35807 (Governor Controller GM19457)

### Introduction

This instruction provides information for attaching the engine harness to the governor service kit controller in cases where the engine harness plug does not mate with the governor controller.

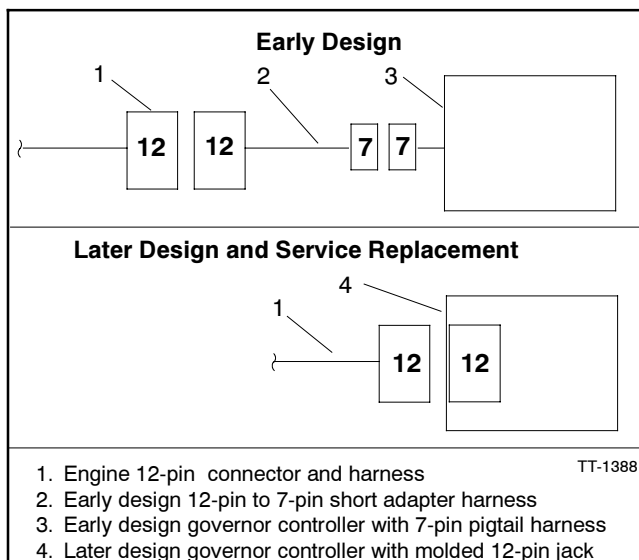
The service replacement governor controller is part no. GM19457.

**Note:** Order Governor Programming Kit GM39344.

The governor controller **early design** configuration has a pigtail harness and attaches to a short 7-pin to 12-pin adapter harness. This short adapter harness then attached to the engine 12-pin harness connector.

The governor controller **later design and service replacement** configuration has a 12-pin jack molded in the governor controller. Disconnect and discard the short 7-pin to 12-pin adapter harness. The engine 12-pin harness connector will plug directly into the governor service kit controller's 12-pin jack.

**Note:** The engine 12-pin harness connector contains 9 wires identified as 125, 126, red, black, braided shield, 6A, 6B, 7N, and 70.



**Figure 1** Governor Controller Configurations

### Safety Precautions

Observe the following safety precautions while installing the kit.

#### ⚠ 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.

After installation of the Governor Service Kit, program the governor using the digital isochronous governor programming kit GM39344. The kit includes a comm port cable, CD-ROM, and instructions

### Parts List

#### Governor Service Kit GM35807

Qty.	Description	Part Number
1	Governor controller	GM19457
1	Instruction	TT-1388