

SERVICE BULLETIN

Original Issue Date: 7/15

Model: 10-400 kW PSI-Powered Generator Sets

Market: All

Subject: E-Controls Diagnostic Tool GM42033

Introduction

Diagnostic service tool kit GM42033 provides support on the gaseous- and gasoline-fueled engines used in the current and legacy products which use the PSI labeled engines: Marine, Mobile, Commercial Vehicle, Industrial, and Residential. These products range from 10kW to 400 kW.

Features

- Provides the ability to view engine related information
 - Active diagnostic trouble codes
 - Historic diagnostic trouble codes
 - Engine Performance
- Provides the ability to record plot files and email them to Kohler Power Systems Generator Field Service for review
- Clears diagnostic trouble codes
- Monitors real time engine data
- Provides the ability to perform diagnostic tests
 - Ignition cut out tests
- Offers software for the four different E-Controls ECU platforms used throughout the years
 - 4G Display (used on 8.8L, 11.1L, 14.6L, 18.3L, & 21.9L engines built in 2016 and newer)
 - There are identifiers which help identify an engine as GCP or 4G. The label on the ECM clearly shows "GCP" or "4G"
 - GCP Display
 - PSI Display (also known as 56-way Display)
 - LCI Display

System Requirements

- CPU minimum requirements
 - Pentium II 450MHz
 - Pentium II 1.0 GHz for Windows Vista
- RAM minimum requirements
 - Windows XP 256
 - Windows Vista 512 MB
- Operating System
 - Windows 10
 - Windows 8
 - Windows 7
 - Windows Vista
 - Windows XP
- Display resolution of 1024 x 768 or higher
- Computer Port Connectivity Requirements
 - RS-232
 - USB

The only cost is for the GM42033 kit. No user ID or subscription fee required. There are occasional updates for the E-Controls software.

Software can be obtained by contacting the Kohler Power Systems Generator Field Service Department. Please email: generatorfieldservice@kohler.com.

To order the diagnostic kit, please contact: aftermarketparts@kohler.com.

For software or engine product training, please contact our Kohler Power Systems Learning Academy: kpslearningacademy@kohler.com.

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Routing	Service Manager	Sales Manager	Parts Manager	Technician No. 1	Technician No. 2	Technician No. 3	Return This to
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Figure 1 Kit Contents

Parts List

Kit, E-Controls Diagnostic Tool GM42033

Kit: GM42033		
Qty.	Description	Part Number
1	LCI Communications Service Kit	GM64147
1	Adapter	GM65501
1	ECM Service Manual for 3.0L, 4.3L, 5.0L, 5.7L, & 8.1L Engines	TP-6215
1	ECM Service Manual for the 1.6L Engine	TP-6362
1	ECM Service Manual for Emission Certified 11.0L, 14.6L, 18.3L, & 21.9L Engines	TP-6717
1	ECM Service Manual for Emission Certified 1.6L, 3.0L, 4.3, 5.0L, 5.7, 8.1L, & 8.8L Engines	TP-6724

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