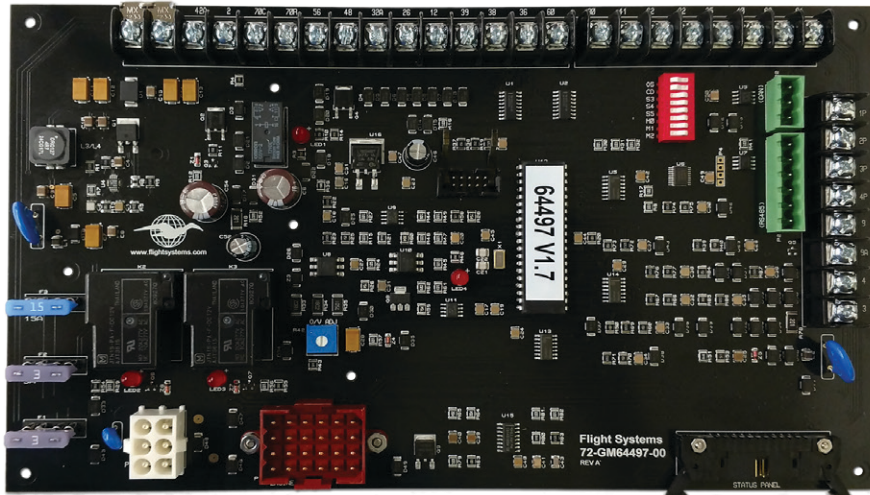


REPLACEMENT KOHLER® DEC 3 CONTROL

Replaces p/n **336415**, **GM28725**, **GM64497***
(FS Part No. 72-GM64497-00)

**Our single board will directly replace these 3 widely-used part numbers
(Available adapter enables it to replace the earlier **292806** or **GM94331** 'kit' - only \$25)*



OUR EXCLUSIVE IMPROVED FEATURES INCLUDE:

- A new switching power supply for improved efficiency, less heat, less power consumption, and it eliminates the need for heat sinking. The power supply stays fully operational from 5-36 VDC and includes prime power operation.
- An improved relay driver which eliminates intermittent cranking and running. This was an issue common with the original Kohler design.
- A low profile design for easier installation and increased room in the cabinet. The board height is 1.2 inches shorter!
- The vertical mount glass fuses used on the original Kohler board have been replaced with standard automotive style fuse holders. You can find replacement fuses at most home improvement stores, department stores or parts store!

• SEE REVERSE FOR INSTALLATION INSTRUCTIONS

Technical support is available by phone, fax or the internet for this and all Flight Systems products.

Phone: 717-590-7330 (8:00am - 4:30pm ET, M-F)

Fax: 717-590-7327 Web: <http://www.flightsystems.com>

Warranty Policy: Flight Systems' manufactured products are warranted against defects in materials and workmanship for a period of two years from the date of shipment. This warranty does not cover damage caused by external problems, natural events, operation outside of ratings, misapplication or abuse. Flight Systems is not responsible for consequential damage to property or other equipment, loss of use, spoilage of product, labor or travel costs, or injury to personnel as a result of its use. Warranty service is limited to repair or replacement of product that we determine is defective, otherwise our standard repair rates will apply.

Designed & Built in USA by



FLIGHT SYSTEMS

207 Hempt Rd. Mechanicsburg, PA 17050 Ph: 717-590-7330 www.flightsystems.com

72-GM64497-00 INSTALLATION

WARNING!

Always disconnect power from the battery charger **before** disconnecting the main battery. Failure to do so may damage the control board and it will not be covered under warranty.

292806

Remove failed control board and install the 72-GM64497-00. Connect engine harness (P1), stator (P2), and local annunciator (P3). **Local annunciator requires 24 pin DIL to 20 pin SIL adapter (72-GM64497-01)**. Some connections to TB1 are in different locations. Make connections to TB1 paying close attention to wire numbers. Set dip switches on SW1 to default settings. Switches 1 and 2 should be set to closed. All other switches should be set to open.

336415

Remove failed control board and install the 72-GM64497-00. Connect engine harness (P1), stator (P2), local annunciator (P3), TB1A, TB1B, and TB2. Set dip switches on SW1 to default settings. Switches 1 and 2 should be set to closed. All other switches should be set to open.

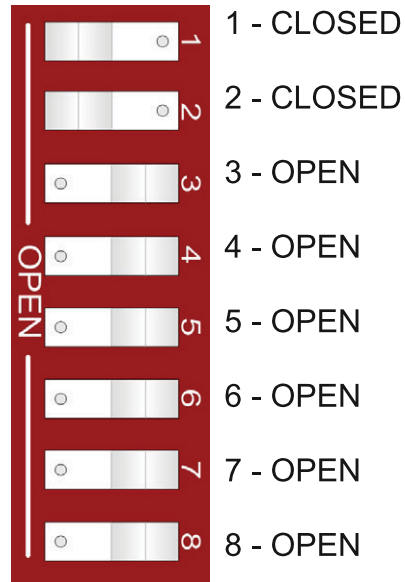
GM28725 and GM64497

Remove failed control board and install the 72-GM64497-00. Connect engine harness (P1), stator (P2), local annunciator (P3), TB1, TB3, and TB2. If the communication board is installed, connect I2C cable to connector (P7). Set dip switches to match the control board that was removed. If you are unsure of these settings see the chart below.

OVERSPEED	OPEN - 60Hz CLOSED - 70Hz
COOL DOWN	OPEN - DISABLED CLOSED - 5 MIN
CONTINUOUS CRANK	OPEN - CYCLIC CLOSED - CONTINUOUS
CANBus Setting	See chart below.
CANBus Setting	See chart below.
MODBUS ADDRESS 0	OPEN = 0 CLOSED = 2
MODBUS ADDRESS 1	OPEN = 0 CLOSED = 4
MODBUS ADDRESS 2	OPEN = 0 CLOSED = 8

NO ECM	4 - OPEN 5 - OPEN
*DDC/MTU	4 - CLOSED 5 - OPEN
J1939	4 - OPEN 5 - CLOSED
NOT USED	4 - CLOSED 5 - CLOSED

DEFAULT SETTINGS



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REV 12/20/16

***DDC/MTU not supported in firmware version 1.3**