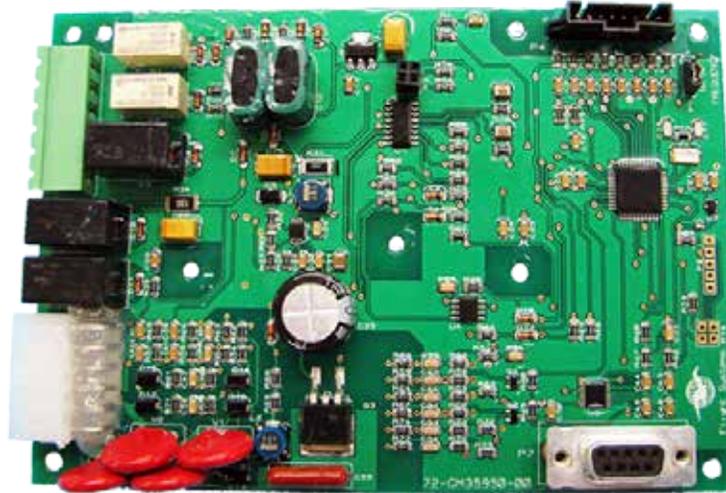


Replacement Kohler® GM35950 MPAC 500 ATS CONTROL (FS Part No. 72-GM35950-00)



- Improved power supply for increased efficiency and reduced noise.
- Improved standby power supply to decrease temperatures and extend the life of the board as well as prevent loss of exercise cycle.
- Automotive grade microcontroller with extended temperature range and improved oscillator to prevent intermittent resets, loss of exercise cycle, and drift.
- Serial interface with AT command set to adjust parameters. No special software required.
- Our replacement is also compatible with the I2C accessory board GM39650
- Conformal coating applied to reduce risk of moisture/corrosion damage.
- Made in USA; 2-Year Warranty
- *See reverse for list of AT commands to adjust settings and other details*

TECHNICAL SUPPORT

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/tech_sppt.htm

Designed & Built in USA by



FLIGHT SYSTEMS

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

List of AT commands to adjust settings on the 72-GM35950-00

Use the following AT command set to adjust parameters. The serial port must be connected using a null modem cable. *No special software is required.* Using your preferred serial port communication software such as Hyper Terminal, Commfront, or Hercules set your COM port to **19200 BAUD, 8 DATA, NO PARITY, 1 STOP.**

Header must define GET(?) or SET(=).

EXAMPLE:

ATES? - Returns engine start delay

ATES=5 - Sets engine start delay to 5 seconds.

SETTINGS:

ATES - Engine Start Delay	1-10 seconds
ATED - Exercise Cycle Delay	168-672 hours
ATET - Exercise Period	1-3000 seconds
ATLC - Load Control Delay	1-1200 seconds
ATTR - Transfer Delay	1-10 seconds
ATRT - Retransfer Delay	60-1800 seconds
ATCD - Cool Down Period	1-600 seconds
ATEF - Emergency Power Fail Delay	60-100 seconds
ATFO - Frequency dropout percentage	50-99%
ATFI - Frequency pullin percentage	50-99%
ATDO - Dropout Voltage percentage	50-99%
ATPI - Pullin Voltage percentage	50-99%

DEFAULT SETTINGS:

	3 seconds
	168 hours (1 week)
	1200 seconds (20 min)
	300 seconds (5 min)
	3 seconds
	360 seconds (6 min)
	300 seconds (5 min)
	78 seconds
	90%
	96%
	80%
	85%
ATAC - Apply Changes	Re-read all saved settings
ATFD - Factory Defaults	Set all settings to factory defaults
ATHW - Hardware results	Read all parameters (voltage, mode, frequency, etc.)
ATSW - Software settings	Read all current settings

WARRANTY POLICY This Flight Systems manufactured replacement generator/ATS control is warranted to be free from defects in materials and workmanship for a period of two years from the date it was sold. (*This date appears on unit label*)

Flight Systems' Limited Warranty covers the repair or replacement of defective product within the warranty period. It does not cover the cost of installation, or removal costs incurred, or possible damage to other equipment (including the generator or parts thereof) as a result of this product.

Flight Systems (or its authorized agent) shall reserve the right to determine the cause of malfunction. ***In the case if we determine that it was due to abuse, misuse, improper installation, acts of nature (such as storms), failure to perform recommended gen set maintenance procedure or problems elsewhere in the gen set, the warranty claim shall be disallowed and established repair rates shall apply.*** Ship defective units directly to:

Flight Systems, 207 Hempt Rd. Mechanicsburg, PA 17050 - Attention: Warranty Repair

Please prepay all freight charges and note the nature of the failure, if known.

Return Policy: Unwanted items **may only be returned within 30 days of original purchase date.** Refund/credit issued shall be less a 25% per item restocking/re-test fee as long as unit is in new, undamaged condition. *Shipping charges are not refundable.*

REBUILDING SERVICE If this product suffers a failure when out of warranty, it can be rebuilt. As with all Generator Controls Rebuilt by Flight Systems, a One-Year Warranty will be issued. Please contact us for current rebuild pricing. *Ship units to:*

Flight Systems, 207 Hempt Rd. Mechanicsburg, PA 17050 - Attn. Repair Dept.

Please prepay all freight charges and note the nature of the failure, if known.