

# PRODUCT INFORMATION

*Replacement for*  
**Onan® P/N 300-0680**  
**Engine Control Monitor 24V**  
**FS P/N 56-0680-00**



## FEATURES and INSTRUCTIONS

1. This product is designed to replace Onan part number 300-0680 in 24-volt systems.
2. This board is reset by turning off the RUN/STOP switch.
3. The keying slots in the circuit board allow it to be plugged into a 12-volt or a 24-volt system and also prevent improper insertion into the connector. This board will not be damaged by plugging it in to a 12-volt system, however, IT WILL NOT FUNCTION PROPERLY. Use Flight Systems P/N 56-0679 for 12-volt applications. Take care to align the slots and then press the board down until it is fully seated into the connector.
4. The adjustment range of the OVERCRANK alarm time delay is 20 to 75 seconds. Adjust the OVERCRANK DELAY (R1) as needed, turning clockwise to increase the delay. The adjustment is clearly marked.
5. The adjustment range of the LOW OIL PRESSURE alarm time delay is 8 to 30 seconds. Adjust the LO OIL P. DELAY (R5) as needed, turning clockwise to increase the delay. The adjustment is clearly marked. Keeping the delay as short as possible without false tripping will result in maximum engine protection.
6. The IGN/FUEL output (pin 7) and the ALARM output (pin 8) are each rated at 5 Amps (relay rated at 10 Amps) regardless of system voltage. Overloads on these circuits can cause damage to the relay contacts and circuit board traces on original Onan boards. Severe damage to traces renders the circuit board non-repairable. The Flight Systems product has a special fusible link that acts as a fuse in case of an overload. This feature helps to prevent damage and allows the board to be repaired instead of discarded.
7. All sensor inputs have filters to improve noise immunity and help prevent false alarms.
8. Older Onan boards have tin-plated contact fingers on one side only. Later Onan boards have gold plated contacts on both sides of the board which ensures a more reliable connection. The Flight Systems product also has gold plated contacts on both sides.

*(See reverse for Warranty & other details)*



**FLIGHT SYSTEMS**

505 Fishing Creek Road • Lewisberry, PA 17339

[www.flightsystems.com](http://www.flightsystems.com)

### Technical Support:

717-932-9900 (7:30-4 ET, M-F)

Fax: 717-932-9925

E-Mail: [GCtechnical@flightsystems.com](mailto:GCtechnical@flightsystems.com)

# WARRANTY POLICY

## Replacement Onan® Controls Manufactured by FLIGHT SYSTEMS

*Note: Always Refer to the Specific Generator Set Manual when Troubleshooting Problems.*

This Flight Systems manufactured replacement generator 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, 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, 505 Fishing Creek Road, Lewisberry, PA 17339 - Attention: Warranty Repair**

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

## 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, 505 Fishing Creek Road, Lewisberry, PA 17339 - Attention Repair Dept.**

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

## TECHNICAL SUPPORT

*Technical support is available by phone, fax or e-mail for all Flight Systems products.*

**Phone: 717-932-9900 (7:30am - 4:00pm ET, M-F)**

**Fax: 717-932-9925 E-Mail: GCtechnical@flightsystems.com**

## OTHER PRODUCTS & SERVICES

*We offer improved replacements for the following Onan® Controls*

*Controls Rebuilding Service*

OEM Part #	Description
ONAN® 300-C859	GEN SET CONTROL
ONAN® 300-0679, 0680	ENGINE CONT. MNTR.
ONAN® 300-0681, 0682	ENGINE CONT. MNTR.
ONAN® 300-B1073, B944	RV GEN SET CONTROL
ONAN® 300-1006, 1404, 1540	YD REGULATOR
ONAN® 300-2604	ENGINE MONITOR (12V)
ONAN® 305-0826, 0809-01, 0851	RV VOLTAGE REGULATOR
ONAN® 332-1268	VR21 REGULATOR
ONAN® 332-1956	VR21 REGULATOR

Flight Systems rebuilds over 200 different Onan®, Kohler®, Generac®, Basler®, ASCO® and other Generator & ATS Controls. Rebuilt-Exchange Service is available on all Part Numbers we have cores for. Please call or see our website for a complete list.

**Order Desk: 800-403-3728**

**(8-5:30 ET, M-F)**

**www.flightsystems.com**

*Other Generator Controls, Test and Monitoring Equipment:*

See our website or call about our Model 540 Standby Controller, Model 325 Generator Exercise Monitor, Model 360 "G-Man" RV Gen Set Service Tool or our line of Diesel Controls, featuring the famous Engine Saver®.