M-SERIES G-II PROHEAT CONTROL MODULE (PCM)

with Dual Mode Temperature Sensor and Advanced Datalink Software

Introducing

The new G-II M-Series Proheat Control Module (PCM) incorporates a new dual mode analog/digital temperature sensor and advanced Datalink software.

Part Numbers

The table below defines the old and new replacement PCMs.

Upgrade G-I heater to G-II PCM kit includes:

- G-II PCM with new Aux and Datalink connector plugs installed
- Dual mode temperature sensor
- Tool to change existing Aux harness terminals (if used) over to new G-II style Aux connector

Replacement PCM for G-II heater includes:

- G-II PCM Only (Requires dual mode temp sensor PID 200304K)

Description	Old G-I PCM PID	Upgrade Kit, G-I to G-II PCM PID	Replacement G-II PCM Only PID
M50-12V	200905K	200987K	200906K
M50-24V	200910K	200988K	200911K
M80-12V	200915K	200987K	200906K
M80-24V	200920K	200988K	200911K
* M80-24V	N/A	200992K	200928K
M80-24V CANbus	200924K	200990K	200927K
M105-24V	200930K	200991K	200932K

** For Van Hool heaters only.*

Updates

1. Compatible with all M-Series Heaters
2. Dual mode temperature sensor
3. Integrated status indicator light
4. Air filter retention tangs
5. Aux input connector change
6. Datalink connector change and supports USB
7. CANbus SAE J1939 now standard feature on all models
8. Advanced Datalink software

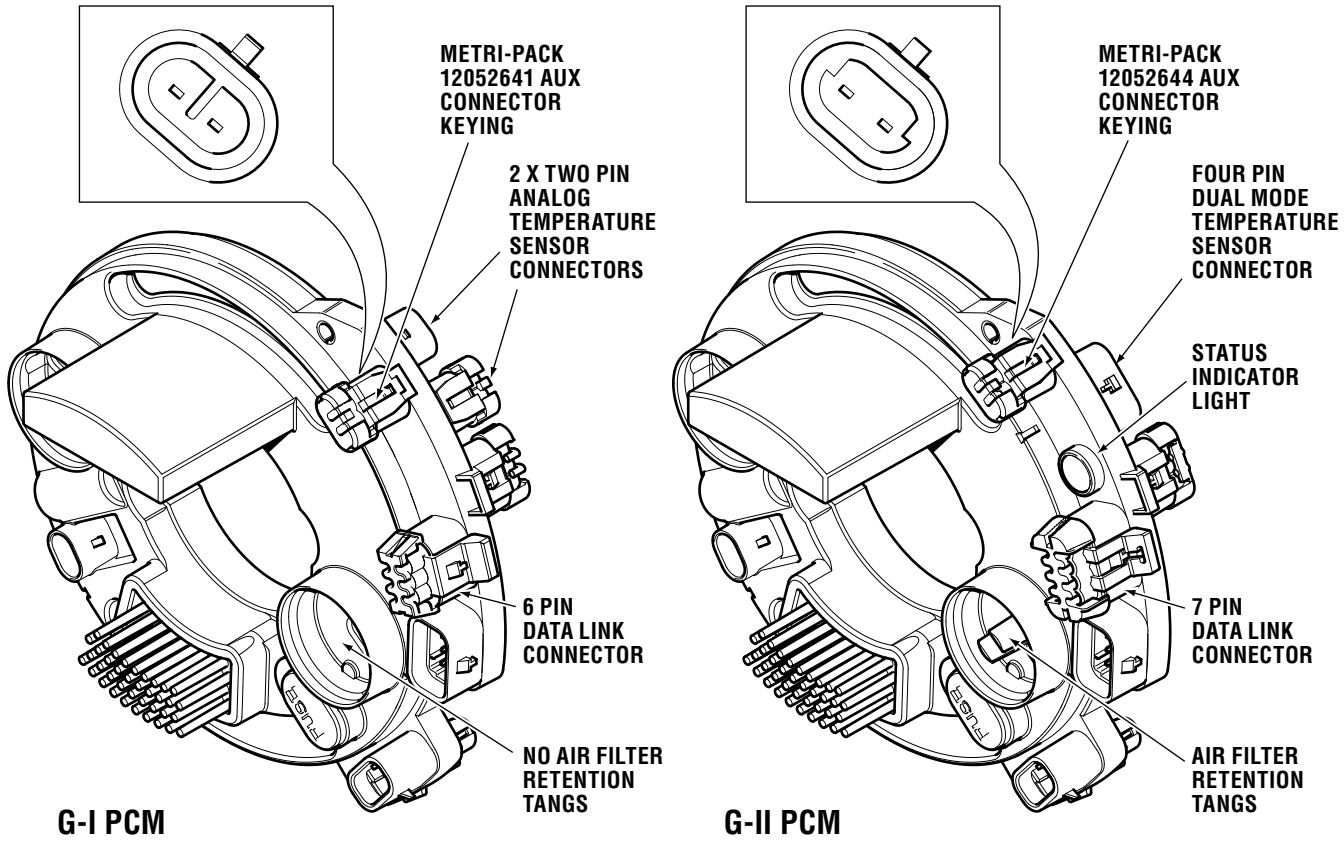

Figure A. GI PCM and GII PCM.

1 Compatibility
- The G-II PCM works with all M-Series heaters.
- G-I heaters require temperature sensor change. The Dual Mode temperature sensor is included in the upgrade kit.
- G-I Auxiliary connector (if used) requires the harness connector be changed. The new connector and tool is included in the upgrade kit.
- An upgrade kit that includes all necessary components is available.

2 Dual mode temperature sensor
- Contains both digital & analog sensing elements.
- More accurate and reliable measurement and control.
- Four pin connector eliminates T2 connector.
- Dual mode temp sensor attachment into heat exchanger unchanged. All heat exchangers work with dual mode temp sensor.

3 Integrated status indicator light
- Provides heater operational status without an external indicator.
- Operation and diagnostic flash codes now accessible on PCM.

4 Air filter retention tangs
- Improved air filter alignment & holding power.

5 Aux input connector change
- Keyed differently from the coolant pump connector to prevent incorrect wiring.

6 Datalink connector change and USB support
- G-II PCM Datalink connector is now 7 pin rather than 6 pin.
- Datalink cable now connects directly to a computer's USB port.

7 CANbus SAE J1939 now a standard feature on all models
- All models now support CANbus SAE J1939 as a standard feature.

8 Advanced Datalink software
- Improved data logging and display.
- Real time clock for all events and errors.

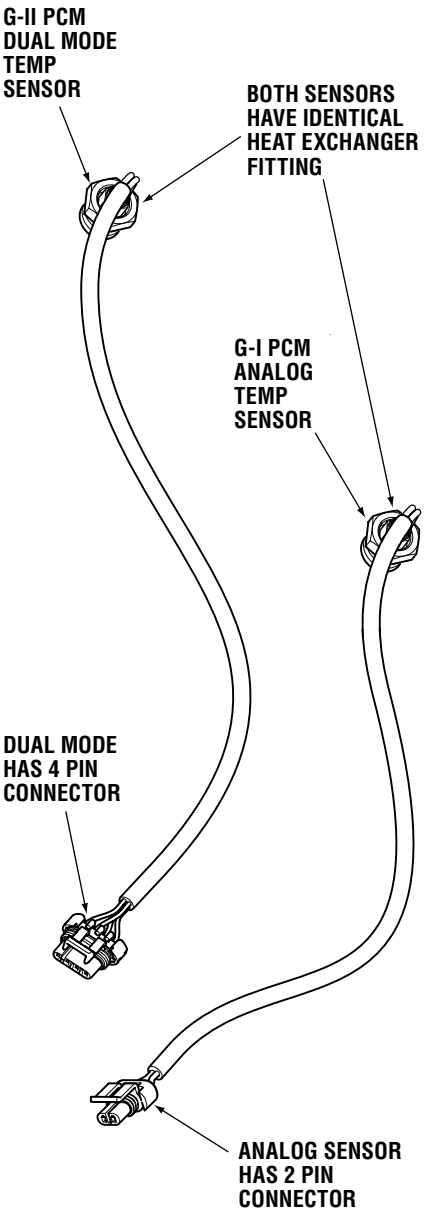

Figure B. G-I & G-II Temperature Sensors.

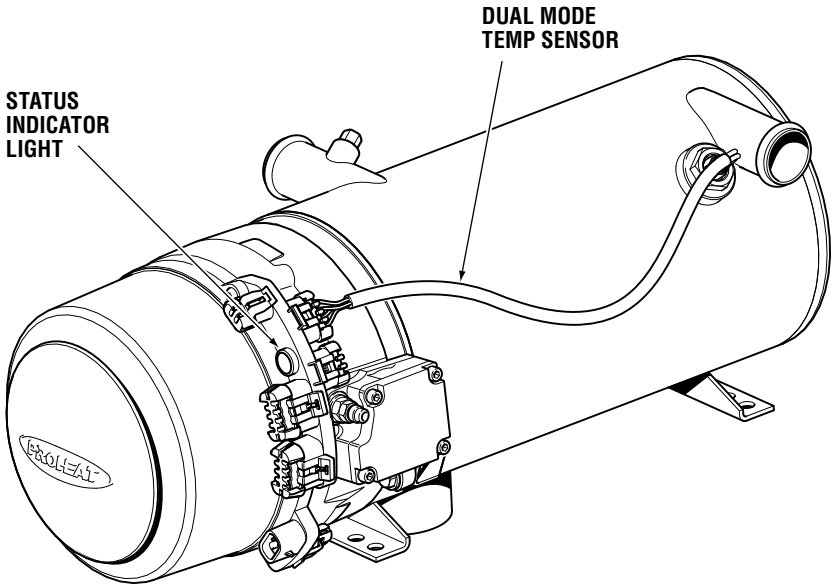

Figure C. G-II PCM can be identifed on a heater by looking for the status indicator light.

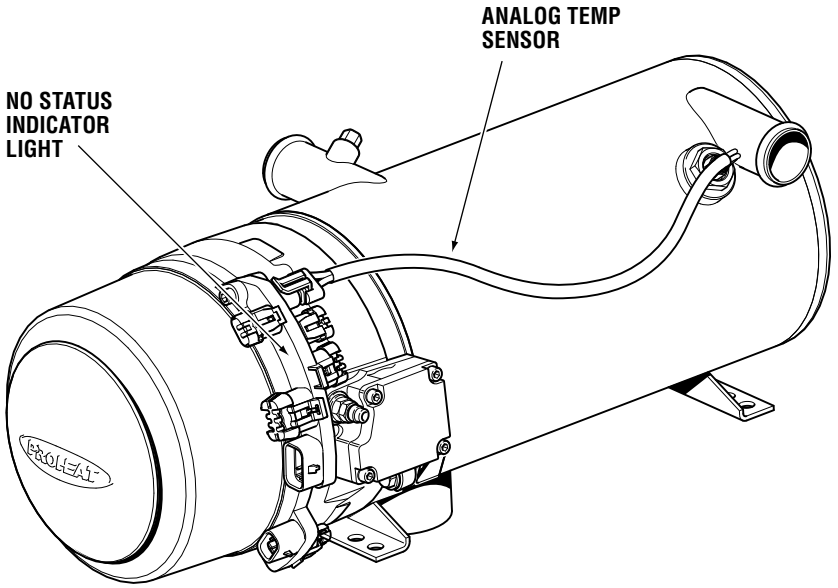

*Figure D. G-I PCM can be identifed on a heater by **not having** the status indicator light.*