



SER14-012
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SUBJECT: REV 3.C5 / 3.C6 EPROM SOFTWARE RELEASE FOR STANDARD (SUMMIT) MICROPROCESSORS

REV 3.C5 EPROMs is now available for Trailer, Truck, and Solara units with standard (Summit) Microprocessors. Microprocessors with these EPROMs will be introduced into production units over the next few months. The REV U2 remains the same as it was at REV U2 3.11.

REV 3.C6 is the new field upgrade DataTrak Option EPROM. REV 3.C6 contains the same remote communication capabilities through Carrier approved third party telematics companies that were announced for the REV 3.30. REV 3.C6 will also be available on production units in Athens when the DataTrak option has been specified, as well as through PPG as a field upgrade component.

Please Note: All microprocessor EPROMs in production units will have the REV 3.C5 label on them. Units leaving the factory equipped with the DataTrak option can have the version checked by viewing the Unit Data List. When DataTrak is enabled, REV 3.C6 will be shown in the microprocessor display.

The release version numbers have moved from numeric only to alpha & numeric characters. In addition to the change in revision numbers, the format of the EPROM SERU has also changed. The SERU will now begin with an "A" followed by 2 digits. The SERL will continue to have 3 digits. As always, the first digit in the REV and the REV U2 must be the same.

These new software versions will start being used in original and re-packaged controllers available from Performance Parts Group (PPG). Part numbers and information regarding changes and new features are included in the attached pages.

Truck/Trailer/Rail Service Engineering
Athens, GA
TD / TU

Revision 3.C5/3.C6 Parts Summary:

Part Description	Part #
REV 3.C5 EPROM without DataTrak	12-00648-3C5
REV 3.C6 EPROM includes DataTrak	12-00648-3C6
REV 3.C6 Summit Micro (standard with 2 sealed harness connectors) for Supra models.	12-00648-23RP
REV 3.C6 Summit Micro (standard with 2 sealed harness connectors, inside black plastic housing) for Trailer units without Electronic Speed Control.	91-01146-81RP
REV 3.C6 Summit Micro (standard with 2 sealed harness connectors, inside black plastic housing) for Solara and Trailer units with Electronic Speed Controlled Engines.	91-01146-80RP
REV 3.C6 Summit Micro (Repackaged with 60-pin ribbon cable connector) with plastic top cover	12-00649-44RP
Summit Micro (Repackaged with 60-pin ribbon cable connector) without plastic top cover	12-00649-45RP

REV	REV U2	Description of EPROM Changes
3.C5	3.11	SUPRA UNITS WITH CNF6 = ON Evaporator fan startup delay in standby operation A 10 second delay has been added to the startup of the evaporator fans when operating in standby operation. This change prevents the occurrence of a LOW BAT alarm during startup due to the combined alternator charging ramp up and the power consumption of the evaporator fans. This delay occurs both during the initial start-up sequence as well as during restarts during Start/Stop operation.
3.C6	3.11	DataTrak EPROM (Supra Units with CNF6 = ON) REV 3.C6 contains identical production software to that of 3.C5. The only difference is that REV 3.C6 contains the DataTrak option and the 3.C5 does not.
Recent Previous Revision Information		
3.C3	3.11	ALL UNITS SYSTEM CHK alarm change The SYSTEM CHK alarm monitors the refrigeration system when the unit is running in cool, and triggers the SYSTEM CHK alarm when the SAS is 5°F (2.8°C) higher than the RAS for more than 2 minutes. Beginning with this release, the time after a defrost cycle has been increased to 5 minutes before the alarm will be activated. The time will remain at 2 minutes at all other times.
3.C4	3.11	DataTrak EPROM (All Units) REV 3.C4 contains identical production software to that of 3.C3. The only difference is that REV 3.C4 contains the DataTrak option and the 3.C3 does not.
3.C1	3.11	ALL UNITS Common release for all applications. The last 2 versions have been specific for either Trailer Units only or Truck Units only. This version will work correctly in all Summit Microprocessor controlled units, regardless of model.
3.C2	3.11	DataTrak EPROM (All Units) Third-Party 2-Way Communications Third Party communications have been enhanced to include the ability to send the following commands to the microprocessor remotely: • Change Setpoint (Single Temp and MultiTemp Models) • Select Start/Stop or Continuous Run operation • Initiate a Defrost Cycle • Clear Alarms • Select High Air or Norm Air operation. The above commands will be allowed when the setpoint or functional parameters have not been locked. Defrost will start as long as all conditions required for a Defrost Cycle to start have been met. NOTE: REV 3. C2 contains identical functional software to that of 3.C1. The only difference is that REV 3.C2 contains the DataTrak option, and the 3.C1 does not.