

GENERAL INFORMATION

THIS KIT HAS BEEN DESIGNED TO PROVIDE **TempAssure®** TEMPERATURE COMPENSATED OUTPUT VOLTAGE TO ANY PARALLAX 4400 or 5400 SERIES CONVERTERS NOT PREVIOUSLY EQUIPPED WITH THE **TempAssure®** MODULE AND CABLE.

WARNING: FAILING TO FOLLOW THESE INSTRUCTIONS DURING INSTALLATION MAY DAMAGE THIS PRODUCT OR THE CONVERTER IT IS INSTALLED INTO AND COULD VOID THE PRODUCT WARRANTY.

SECTION 1, SAFETY FIRST –

1. UNPLUG THE CONVERTER 120VAC POWER CORD FROM THE CONVERTER SUPPLY RECEPTACLE. **DO NOT RE-ENERGIZE THE CONVERTER UNTIL INSTRUCTED TO DO SO!**
2. **AT THE BATTERY OR BATTERIES** – DISCONNECT THE NEGATIVE, THEN THE POSITIVE BATTERY CABLES GOING TO THE CONVERTER OR THE DC DISTRIBUTION PANEL.
3. **DISCONNECT THE DC OUTPUT POSITIVE WIRE AT THE CONVERTER.**

SECTION 2, INSTALLING THE TempAssure® MODULE.

1. REMOVE THE TWO T-15 “TORX” COVER SCREWS AND REMOVE THE BLANK COVER PLATE. RETAIN THE SCREWS FOR RE-INSTALLATION.
2. INSERT THE 8-PIN MALE CONNECTOR FROM THE **TempAssure®** MODULE INTO THE 8-PIN PORT ON THE CONVERTER PRINTED CIRCUIT BOARD. ENSURE THE CONNECTOR IS LOCKED INTO THE JACK AND THE MODULE INTERCONNECT WIRING IS FULLY INSIDE THE CONVERTER.
3. INSERT THE MODULE COVER PLATE BETWEEN THE CHASSIS RETAINING GUIDES AND FULLY SEAT THE MODULE COVER PLATE AT THE TOP AND BOTTOM OF THE CHASSIS. RE-INSTALL THE TWO T-15 “TORX” COVER SCREWS AND HAND TIGHTEN ONLY!

SECTION 3, SENSOR CABLE ROUTING

1. ROUTE THE **TempAssure®** TEMPERATURE SENSOR CABLE (**RING TERMINAL END**) FROM THE CONVERTER TO THE BATTERY COMPARTMENT.
2. ENSURE THE SENSOR CABLE IS ROUTED SAFELY AND PROTECTED FROM DAMAGE. **SENSOR CABLE MUST NOT BE SUBJECTED TO EXCESSIVE STRAIN, PINCHED, CHAFED, OR COME INTO CONTACT WITH ANY HEAT PRODUCING SOURCES.**

SECTION 4, SYSTEM CONNECTIONS

1. **CONNECT THE RING TERMINAL TO A BATTERY NEGATIVE POST.** WITH A MULTIPLE BATTERY BANK CONFIGURATION, CHOOSE A BATTERY THAT IS LIKELY TO EXPERIENCE THE HIGHEST AMBIENT TEMPERATURE DUE TO ITS LOCATION WITHIN THE BATTERY BANK OR THE BATTERY COMPARTMENT. **TIGHTEN THE RING TERMINAL CONNECTION SECURELY.**
2. **CLEAN BATTERY POSTS (RECOMMENDED). VERIFY CORRECT WIRING POLARITY** PRIOR TO RECONNECTING THE BATTERIES. **CAUTION: REVERSE POLARITY OF BATTERY WIRING TO THE BATTERIES WILL BLOW THE CONVERTER POLARITY PROTECTION FUSES AND COULD DAMAGE THE 4400 or 5400 SERIES CONVERTER.**
3. **CONNECT THE BATTERY POSITIVE AND NEGATIVE CABLE TERMINALS TO THE BATTERY SYSTEM. TORQUE THE BATTERY CABLE TERMINALS TO THE MANUFACTURERS SPECIFICATIONS.**
4. INSERT THE 8-PIN JACK ON THE SENSOR CABLE INTO THE PORT ON THE TempAssure® MODULE.
5. RECONNECT THE DC OUTPUT POSITIVE WIRE INTO THE CONVERTER POSITIVE LUG AND TORQUE TO 35 INCH POUNDS.
6. PLUG THE 120VAC CONVERTER POWER CORD INTO THE CONVERTER SUPPLY RECEPTACLE.
7. THE CLEAR 8-PIN MALE CONNECTOR ON THE SENSOR CABLE WILL ILLUMINATE DURING THE BOOST CYCLE.

PARALLAX POWER SUPPLY WARRANTY STATEMENT

PARALLAX WARRANTS ITS PRODUCTS TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP UNDER NORMAL USE AND SERVICE AND LIMITS THE REMEDIES TO REPAIR OR REPLACEMENT. THIS WARRANTY EXTENDS FOR TWO YEARS FROM THE DATE OF PURCHASE AND IS VALID ONLY TO THE ORIGINAL OWNER AND WITHIN THE CONTINENTAL LIMITS OF THE UNITED STATES AND CANADA. IF A PROBLEM SHOULD OCCUR WITH YOUR PARALLAX RETROFIT CONVERTER WITHIN THE FIRST TWENTY-FOUR MONTHS AFTER PURCHASE, PLEASE CONTACT A DEALER THAT HANDLES WARRANTY ON YOUR BRAND OF RV. NO USER SERVICABLE PARTS INSIDE.

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