



May 9, 2005

TO: All National RV Dealers

SUBJECT: Safety Recall - 05V-196

EFFECTIVE IMMEDIATELY:

A DEMONSTRATION AND DELIVERY HOLD is placed on Certain 2005 Tropical & certain 2006 Tradewinds & Islander Motorhomes MANUFACTURED BY National RV, at its factory in Perris, California.

REASON FOR RECALL:

On the affected units, the 300 amp fuse that isolates the batteries in the event of a short was not installed in the correct location. The current location places the fuse next to the inverter, which leaves the cable unprotected between the fuse and batteries. The new location will be within 18" of the batteries, protecting the cable between the fuse and batteries.

DEALER RESPONSIBILITY:

National RV dealers must perform this campaign on identified customer vehicles at their request and at no charge, regardless of time or vehicle mileage.

All dealer stock units (new or used) must be held and repaired before delivery to retail customers. It is a violation of law to deliver a non-repaired vehicle to a retail customer.

OWNER NOTIFICATION:

National RV Inc. will notify retail owners affected by this campaign, as owner data becomes available. Owners will be instructed to call and request a service appointment, and to take their vehicle to a National RV dealer for corrective action.

SERVICE PROCEDURE:

To correct this condition, install the additional protective fuse and related components as outlined in TSB 3-SE-01-05.

ATTACHMENTS :

Attachment I: TSB 3-SE-01-05

LABOR ALLOWANCE :

Labor Operation Code: J0100022

Labor Time: 1.0

Parts Ordering Procedure:

Parts are being shipped directly to National RV Dealers as orders are received. For your convince we have listed the necessary parts information below (SEE TABLE).

Parts List:

QUANTITY	PART NUMBE R	DESCRIPTION
1	136483	300 AMP FUSE, BUSSMAN #ANN-300
1	136484	FUSEBLOCK, BUSSMAN #4164
2	123492	150 AMP BREAKER
8	302333	¾" CLAMP
2	136544	NUT & BOLT COMBO SPACER
2	100978	18" BATTERY RED CABLE, 2-GA (SHEATED W/TERMINALS)
1	100978	112" BATTERY RED CABLE, 2-GA (SHEATED W/TERMINALS)
1	119326	18" BATTERY RED CABLE, 2/0-GA (SHEATED W/TERMINALS)
1	119690	INSULATED TERMINAL BLOCK
1	119326	18" BATTERY CABLE, 3/0-GA (SHEATED W/TERMINALS)
24	300314	CABLE TIE WRAP 12", BLACK

Warranty Information:

OP CODE	DESCRIPTION	OP TIME
J0100022	FUSE PROTECTION FOR BATTERY WIRING	1.0

TECHNICAL SERVICE BULLETIN

Subject: FUSE PROTECTION FOR BATTERY WIRING

Models: TROPICAL / ISLANDER / TRADEWINDS

Problem Summary:

Battery cables that extend between the batteries and the rear electrical compartment require circuit protection within 18 inches of the battery. This requirement would include the cabling for the interconnect (boost) solenoid, the 2000 watt inverter and the forward ignition solenoid. This would apply to selected MY2005 TropiCal models and only MY2006 Islander and Tradewinds.

Solution:

Add two in-line 150 AMP breakers and one 300 AMP fuse to protect battery cables as required. Rewire and relocate the 150 AMP breaker for the forward ignition solenoid as outlined below:

Repair Procedure:

1. Add one 150 AMP breaker in-line between the engine battery and the interconnect solenoid.
 - Remove the 2-gauge wire that feeds to the interconnect solenoid.
 - Conveniently locate one 150 AMP breaker and attach the cable that was removed above to the AUX side of the breaker.
 - Attach new 2-gauge jumper between the battery and the BAT side of the 150 AMP breaker. See Figure #1.
2. Add one 150 AMP breaker in-line between the house battery and the interconnect solenoid.
 - Remove the 2/0-gauge wire that feeds to the interconnect solenoid.
 - Conveniently locate one 150 AMP breaker and attach the cable that was removed above to the AUX side of the breaker*.
 - Attach new 2/0-gauge jumper between the battery and the BAT side of the 150 AMP breaker*. See Figure #2 & 3.

*Use the nut and bolt combo spacer (P.N. 136544) for both sides of this breaker because of the larger size battery terminals.
3. Add an additional 300 AMP fuse (with holder) in-line between the house battery and the 2,000 watt inverter.
 - Remove the 3/0 cable that feeds the inverter.
 - Conveniently locate the 300 AMP fuse and attach the cable that was removed above to one side of the fuse.
 - Attach new 3/0-gauge jumper between the house battery and the other side of the 300 AMP fuse. See Figure #2 & 3.

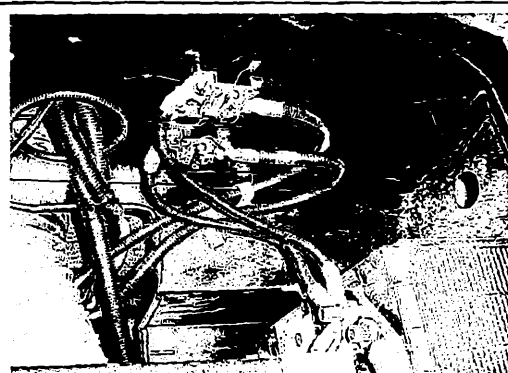


Figure 1

Shows the added two 150 Amp in-line breakers installed adjacent to the engine batteries.

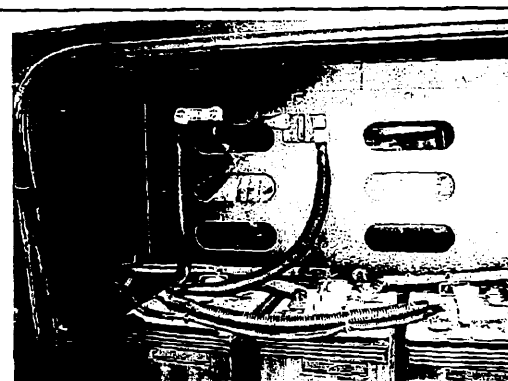


Figure 2

300 Amp in-line fuse to inverter (left) & 150 Amp breaker (right) shown adjacent to the house batteries.

4. Forward ignition solenoid: Locate the 150 AMP breaker that feeds this solenoid. It can be found just below the 12-Volt slide control relay panel, just to the right of the inverter. See Figure #3. Move this breaker so that it is positioned adjacent to the chassis batteries. Again, see Figure #1.
5. We will be installing a new 2-gauge cable from the AUX side of this breaker to a insulated terminal block (P.N. 119690) that will be located in the former location of the breaker. Bolt the new 2-gauge cable to the existing 2-gauge that supplies power to the forward ignition fuse block.
6. Disconnect and tie-off both ends of 6-gauge white/red stripped wire that was originally installed. It is no longer required.
7. Finally, attach new 2-gauge jumper between the engine battery and the BAT side of the 150 AMP breaker.
8. Route and secure all battery wiring using $\frac{3}{4}$ " clamps (P.N. 302333) and 12" tie wraps (P.N. 300314). *Comment: Prevent any possible damage to any electrical cables by avoiding any sharp pieces of chassis metal.*

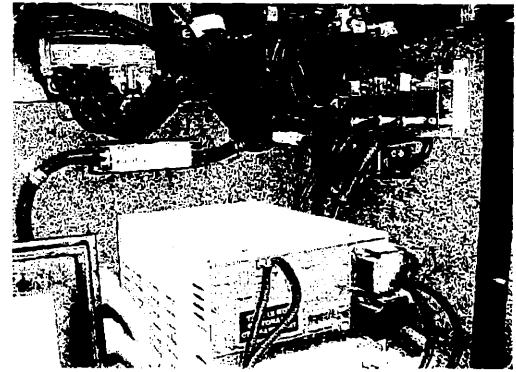


Figure 3

150 Amp breaker that feeds the forward ignition solenoid.

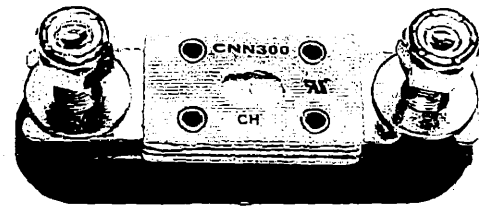


Figure 4

Detail of add 300 Amp in-line fuse

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♦ PARTS RETURN IS NOT REQUIRED ♦