



MONACO RV

A NAVISTAR COMPANY

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SEPTEMBER 2011

High Beam Headlight Recall Repair Procedures

Recall Numbers 11V429000 US and 2011-303 CA
Monaco File 11517

Products Affected

Monaco: 2011 Vesta

Holiday Rambler: 2011 Trip

Purpose of Recall

Install larger capacity wiring and fuse for the high beam headlights.

Read these instructions carefully and become thoroughly familiar with the procedures before beginning repairs. Refer to Appendix A (page 6) for a wiring schematic.

Inspection Process

- Remove the cover from the back of the driver's side first bay to access wiring and components by removing the screws with a square tipped screw driver—see figure 1.
- Remove the cover from chassis fuse box 2—located on the right.
- Verify that the wiring and fuse need to be replaced by checking the high beam fuse size (F13) and “high beam out” wiring size (located in cavity C of the gray plug). The correct fuse size is 25A and the wiring size is 12 ga. —see figure 2.
- If the fuse is 25A, an inspection of the wiring size is still necessary.
- If the wiring is 12 ga., then the recall does not need to be performed.
- If the fuse is smaller than 25A and the wiring is smaller than 12 ga., then follow the entire repair process.
- If the fuse is a 25A, but the wiring is smaller than 12 ga., then skip to the section entitled “Installing Wiring”.



Fig. 1—
Remove the electrical bay cover.

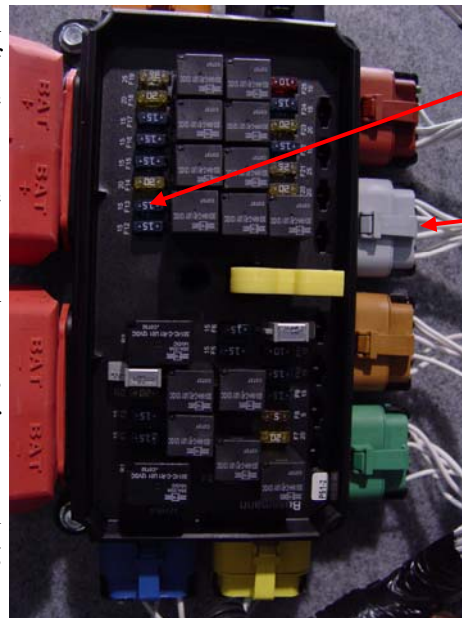


Fig. 2—
High beam fuse (F13) — located in chassis fuse box 2.
High beam out wire— located in cavity C of the gray plug connected to chassis fuse box 2.

Repair Process

Installing Fuse and Labels

- Replace the fuse labeled “HI BEAM FUSE” (F13) in chassis fuse box 2 with the 25A fuse—see figure 3.
- Cut the 25A labels apart and install, covering the original labels, on the box and cover—see figures 3 & 4.

Installing Wiring

Please refer to Appendix A for clarification on wiring harness placement.

Note: wires that are disconnected need to be taped with electrical tape and tucked into the harness.

- Unplug the gray plug from chassis fuse box 2 and locate the wire labeled “high beam out” in cavity C.
- Extract the terminal with an awl and replace with new 12 ga. wire from harness 1 - see figure 5.
- Reconnect the gray plug to the chassis fuse box.
- Locate the DRL relay holder which is mounted as a bank of four near the chassis fuse boxes—see figure 6. (*Note: the DRL relay is only installed in Canadian units, but the wire to the holder needs to be replaced regardless of whether or not the relay is installed.*)
- Remove the bank of relay holders to access the DRL relay holder.
- Extract the high beam out wire from cavity 86 of the relay holder and replace with new 12 ga. wire from harness 1 - see figure 7.
- Resecure the bank of relay holders.
- Locate the bulkhead connector near the forward corner of the compartment - see figure 8.
- Use a 7mm socket to separate the two halves of the connector—see figure 8.
- Remove the plastic locking tab from both sides of the connector—see figure 9.
- Extract the high beam wire from both halves of cavity N6.
- Insert the remaining wire from harness 1 to the bay side of the connector and replace the plastic lock.
- Insert the wire from harness 2 to the chassis side of the connector into cavity N6 and replace the plastic lock.
- Reconnect the two halves of the bulkhead connector and secure snugly with 7mm socket—see figure 10. (*Note: Be sure the plastic gasket between connector halves is installed.*)

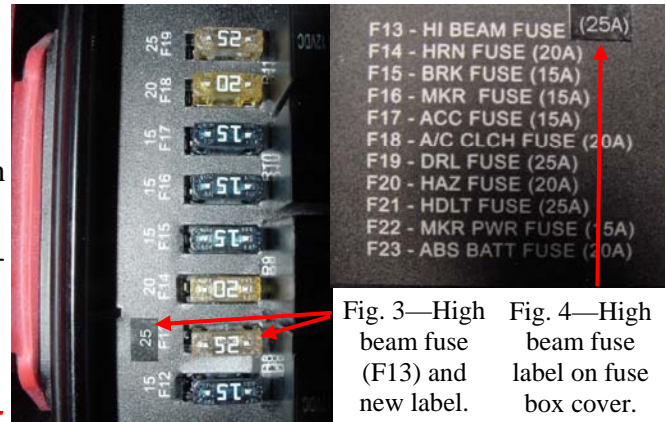


Fig. 3—High beam fuse (F13) and new label. Fig. 4—High beam fuse label on fuse box cover.

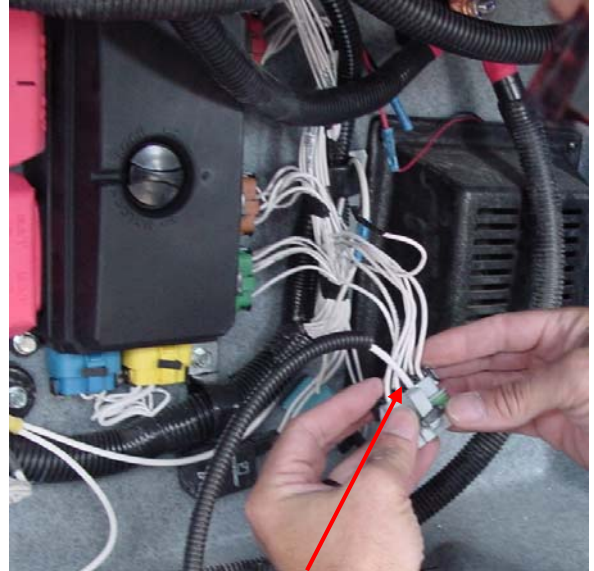


Fig. 5—12 ga. wire installed in gray plug.



Fig. 6—DRL relay holder.



Fig. 7—12 ga. wire installed in relay holder.



Fig. 8—Separate bulkhead connector.



Fig. 9—Bulkhead connector locking tabs.

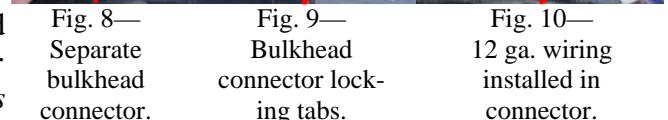


Fig. 10—12 ga. wiring installed in connector.

Installing Wiring continued

- Use a dull screwdriver or similar object to make a hole through the spray foam that seals the hole where the wiring exits the bay. **WARNING: using a sharp object may cause damage to wiring and hoses.**
- Fish the remaining portion of harness 2 through the hole to the chassis. Follow the harness route through the wheel well and up to the driver's side firewall.
- Secure the harness with wire ties every 18" away from heat sources and sharp edges.
- Locate the 6 position connector at the driver's side firewall—see figure 11.
- Remove the high beam out wire from cavity D with the extraction tool provided with the recall parts kit and replace with new wire—see figure 12.
- Use a dull screwdriver or similar object to make a hole through the spray foam that seals the hole where the wiring runs to the dash area. **WARNING: using a sharp object may cause damage to wiring.**
- Route the last wire of harness 2 through the hole and into the dash area.
- Lift the top cover of the dash pod. *Note: the dash screws located near the windshield may need to be loosened.*
- Locate the dash connector behind the dash panel—see figures 13 & 14.
- Use a 7mm socket to separate the two halves of the connector and remove the plastic locking tab from both sides of the connector—similar to the process used for the bulkhead connector.
- Insert the remaining wire into cavity G1 on the chassis side of the harness—see figure 14.
- Reinsert lock and reconnect dash connector snugly with socket.
- Reinstall the dash cover carefully as not to incur damage to the vinyl and tighten screws if necessary.
- At the driver's side firewall area, locate the gray connector feeding the driver's side headlight assembly and follow that wire loom away from the headlights to where the harness tees (Front cap harness #38110513) - see figure 15.
- Remove the tape and locate the splice containing wires marked high beam gnd, 171D, 171E, and 171F—see figure 15.
- Cut the splice and tape over the end of wire 171F, it will not be used.

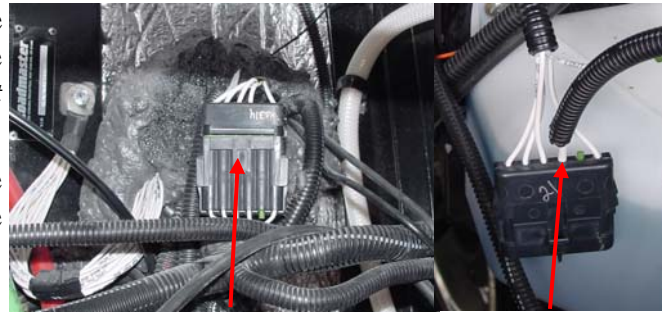


Fig. 11—
6 position connector at d/s firewall.

Fig. 12—
12 ga. wire installed.

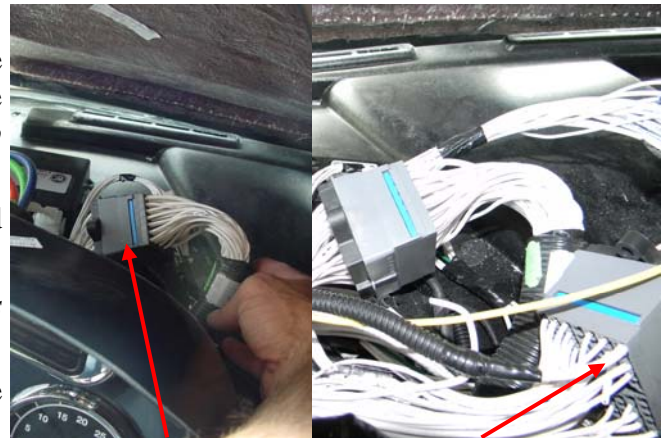


Fig. 13—
Connector behind dash
panel.

Fig. 14—
12 ga. wire installed.



Fig. 15—
Front cap harness #38110513—wire splice.

Installing Wiring continued

- Strip the ends of 171D and 171E and crimp into 10-12 ga. sealed butt splice on harness 3—see figure 16.
- Heat the butt splice to seal.
- Connect the ring terminal on harness 3 to the welded 3/8” ground stud located on the firewall directly behind the coolant bottle—see figure 17. *Note: make sure the ground stud is clean and free of foreign matter prior to installing the ring terminal.*
- Install nut and lock washer supplied in the parts kit and torque to 44 ft-lb.
- Tape and loom the splice area. Then secure with wire ties.
- Reseal the two holes that were breached during the installation process.
- Verify that all components removed during the process are reinstalled and secured.
- Verify headlight operation.

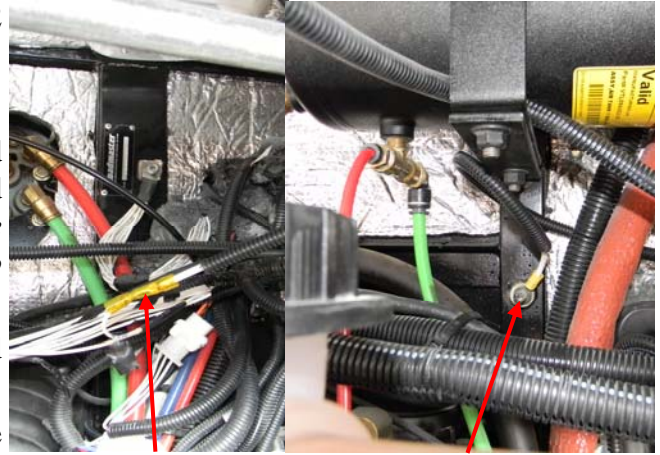


Fig. 16—
Butt splice.

Fig. 17—
Chassis ground stud.

Parts Required—Kit 11V429000

Each recall kit includes:

- 3—wiring harnesses
- 1—extraction tool
- 1— fuse - 25A 32V Mini Auto
- 2—fuse panel labels
- 1— nut and lock washer
- 10— wire ties

Tools Required

- Square tip screw driver
- Phillips tip screw driver
- Scissors
- Tape measure
- Awl
- Extraction tool (supplied with parts kit)
- Wire strippers
- Wire crimper
- Heat shrink tool
- Electrical tape

Warranty Claim Information

Warranty claims must be submitted on MDEX.

Labor Operation Codes:

22D40552RC for US Recall 11V429000

22D50552RC for CA Recall 2011-303

Labor Time Allowance: 1.5 hr.

Further Information

For information regarding recall instructions, please call the Recall Hotline at (800) 685-6545.

For questions regarding MDEX or claims, please call (877) 332-9239 and follow the prompts that support the product with which you are dealing.



MONACO RV

Parts Purchase Order

Recall 11V429000 (US) / 2011-303 (CA)

Monaco Campaign 11517

High Beam Headlight

Date: _____

Dealer Number: _____

Contact: _____

PO Number: _____

Ship to: _____

Phone Number: _____

Fax Number: _____

High Beam Headlight Wiring and Fuse Kit—Part Number 11V429000

3 Wiring harnesses – p/n 16626988

1 Extraction tool – p/n 11408163

1 fuse - 25A 32V Mini Auto – p/n 16613944

1 nut — p/n 11405945

1 lock washer—p/n 1058

10 wire ties – p/n 16605708

2 fuse panel labels

Customer Name: _____

VIN & Production Numbers: _____

All parts will be shipped UPS Ground unless other arrangements are made in advance.

Submit Parts Orders to:

Fax: (541) 335-8213 -or- E-mail: angela.brooks@monacorv.com

Appendix A—Wiring Schematic

