



March 7, 2008

**VEHICLE SAFETY DEFECT SERVICE BULLETIN**  
**Recall Campaign 08V070000 US Units**  
**Recall Campaign 08-053 CN Units**  
Monaco File R08005

**Re: Safety Recall – AM Equipment Wiper System**

Dear Monaco Coach Corporation Dealer:

Monaco Coach Corporation has decided that a defect which relates to motor vehicle safety exists in all 2006-2007 Monaco Diplomat and Holiday Rambler Endeavor Class A motorhomes manufactured from January 24, 2005 through March 30, 2007.

A copy of the notification letter that is being sent to owners is enclosed.

The National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall campaign of this type must be adequately repaired within a reasonable time after the owner has tendered it for repair. Generally, failure to repair within sixty (60) days after the owner's first delivery for repair is assumed to be an unreasonable delay. In the owner letter, customers are instructed to contact Monaco Coach Corporation Customer Service (877-466-6226) or the Recall Hotline (800-685-6545) if on the agreed service date or within 3 days of the agreed date the dealer does not remedy the condition.

**THE ISSUE**

Monaco Coach Corporation was advised by AM Equipment, the supplier of the wiper system, that the affected windshield wiper system's drive motor link may become disengaged during operation from the wiper drive arm on the driven end (where it attaches to the drive arm). The failure causes the wiper motor link becomes disengaged from the drive arm which causes the wiper system to not wipe. Consequences of a wiper system failure may be inadequate/reduced visibility which could result in a crash. As a precautionary measure, Monaco Coach Corporation and AM Equipment have elected to perform this voluntary safety recall campaign.

## **AFFECTED UNITS**

If our records indicate that you have any of the affected vehicles in your inventory, you will also receive an owner notification letter identifying those units. *Federal law requires that any vehicle lesser receiving this recall notice must forward a copy of this notice to the lessee within ten days.*

## **THE REPAIR**

The remedy for the defect will be the replacement of the complete under the hood wiper system with a new model, reusing the wiper arm and blades. Please review the repair instructions for the labor operation code and labor time allowance. Parts are readily available by faxing the enclosed Recall Parts Purchase Order to 1-800-498-9478. If you have any questions concerning the repair procedure, please contact a member of our Technical Support staff toll free at the dealer hotline (877-332-9239) and refer customers and non dealers to call 877-466-6226.

The vehicle owner is responsible for having this service action performed. Monaco Coach Corporation specifically excludes coverage of incidental damages that may result from failure to have this recall performed. Please have this recall performed as soon as possible.

## **DEALER CAMPAIGN RESPONSIBILITY**

All unsold new/used vehicles in dealer's possession and subject to this campaign must be held and inspected/repared per the service procedure of this campaign bulletin before owners take possession of these vehicles. Dealers are to service all vehicles subject to this campaign at no charge to owners, regardless of mileage, age of vehicle, or ownership, from this time forward.

Owners of vehicles recently sold from your new/used vehicle inventory for which the dealer receives the owner recall notification are to be contacted by the dealer, and arrangements made to make the required correction according to the instructions enclosed with this bulletin. This could be done by mailing to such owners a copy of the applicable owner letter accompanying this bulletin. Please also notify Monaco Coach Corporation of any such owner for whom you have received notification.

In summary, whenever a vehicle subject to this campaign enters your vehicle inventory, or is in your dealership for service in the future, please take the steps necessary to be sure the campaign correction has been made *before* selling or releasing the vehicle.

In addition to a letter, owners will receive a recall notification/dealer claim form. The vehicle owner will present this form to you upon arrival for the service appointment. Please review the instructions on the face of the notification form and fill in the claim portion when the repair is completed.

Sincerely,




Michael R. Becker  
Customer Service Manager  
Monaco Coach Corporation

mb/ma



# Recall Repair Procedures

Products:  2006 & 07 Holiday Rambler Endeavor

 2006 & 07 Monaco Diplomat

**RECALL**  
**USA# 08V070000**  
**CANADA # 08-053**

## AM EQUIPMENT WIPER MOTOR ASSEMBLY REPLACEMENT

### Purpose of recall:

To replace the Wiper Motor Assembly under the hood. Customer may experience inoperable wipers due to the ball joint disengaging from the wiper motor link.

Read these instructions carefully and become thoroughly familiar with the procedures before beginning repairs. Park unit on a flat, level surface. Place transmission in Neutral or Park if equipped, set the park brake and turn engine off.

### Stringer Bracket Removal:

1. From the outside of the vehicle, take note of the position of the wiper blade and arm, along with the routing of the washer hose for reinstallation.
2. Remove the washer hoses from the bulkhead fittings. (Figure 1)
3. Remove the black cap nuts (AME part #407-1010) from the wiper arms; use a 9/16" open end wrench. (Figure 2)
4. Remove the black lock washers (AME part #407-1023) from the arms. (Figure 3)
5. Service back the arms and pull on the arm/blade assembly while rocking the arm side to side to remove the arm. (Figure 4)
6. Remove the black aluminum nuts (AME part #414-1045) with a 1" open end wrench or a crescent wrench. (Figure 5)
7. Remove the aluminum washer (AME part #414-1046) and the neoprene washer (AME part #414-1047). (Figure 6)

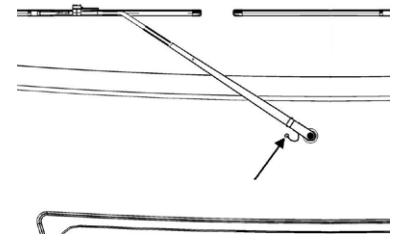


Figure 1

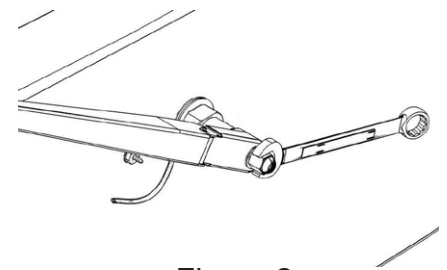


Figure 2

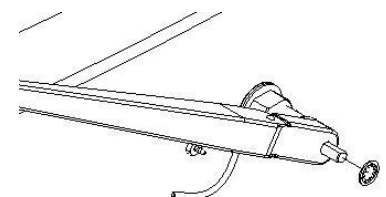


Figure 3

- From under the hood of the vehicle, unplug the wire harness from the wiper motor.
- Remove any fasteners securing the mounting bracket (AME part #306-1184) to the vehicle.

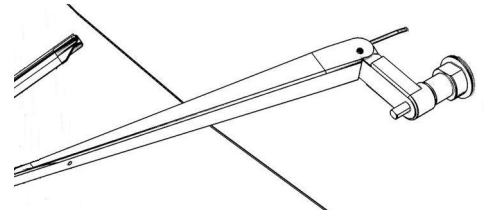


Figure 4

- Firmly grasp the system and pull it away from the front cap.
- If the pivots do not pull free, walk the system out from one pivot to the other.

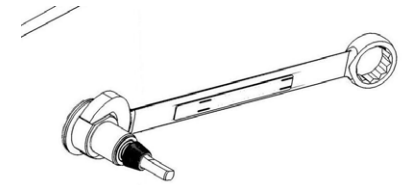


Figure 5

- Secure all removed parts for disposal. The parts are required by law to be disposed of and cannot be “pieced-out”, reused or resold.

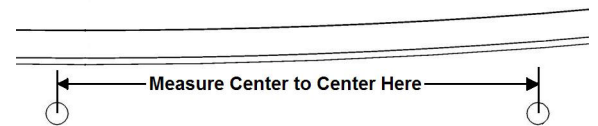
### 2P Radial Wiper System Installation:

- Measure the center to center distance of the pivot mounting holes on the vehicle. The center to center distance must be the same as the AME 2P Radial Wiper System replacement. (Figures 7 & 8)



Figure 6

- If the center to center distance is the same, continue to the next step. If not, please call Monaco Technical Service.



- The diameter of the new pivot shafts is larger than the original system and will not fit without enlarging the pivot mounting holes on the vehicle.



Figure 7

- Use an air saw or jig saw and enlarge the pivot holes to 1.375”. For easier installation, the pivot holes should be cut to the same angle as the wiper assembly pivot shafts.

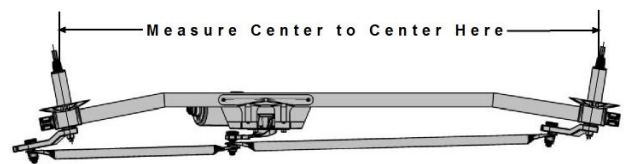
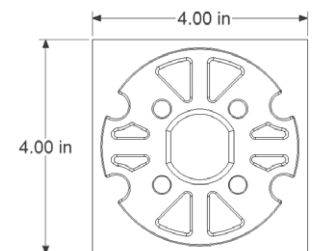


Figure 8

- The pivot shafts on the AME 2P Radial Wiper System are longer than the original system and may require the use of a 1/4” spacer. The spacer may be made of plywood or any other suitable material. Only install a spacer if necessary.

- Take the two 4” x 4” shims with predrilled holes out of the bag. (Figure 9)



- From the inside of the vehicle under the hood. (Figure 10), it may be necessary to remove any foam or sound insulation that is in the way of the new system. Align holes in the cap with the hole in the shim.

Figure 9

- Remove any sharp edges or debris that may interfere with the new AME 2P Radial Wiper System.

9. Assemble the inner spherical spacers (AME part #407-1102) to the AME 2P Radial Wiper System and orient as shown in Figure 11.

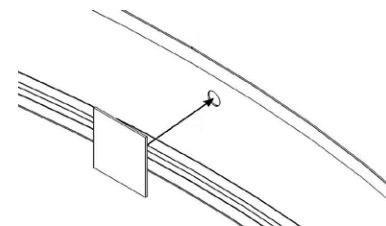


Figure 10

10. From the inside of the vehicle under the hood, push the pivot shafts through the pivot shaft holes until the inner spherical spacer (AME part #407-1102) is flush with the 1/4" spacer. (Figure 12)

11. From the front of the vehicle install the fibre washer (AME part #407-1112). (Figure 13)

12. Install the M30x2 nut (AME part #407-1109) and torque to 20lb/ft ±1.5. (Figure 14)

13. From the underside of the hood, install at least 1 of the mounting brackets (AME part #306-1228) with the supplied nuts (AME part #414-1162) and bolts (AME part # 414-1161) to a secure bulkhead.

14. Make sure the AME 2P Radial Wiper System is secure with no discernable movement.

15. Attach the 6" tee on the washer hose to the check valve (AME part #406-1014) on the vehicle.

16. It is very important that the wiper motor remains in the parked position. Do not start the wiper system until the arms and blades are installed.

17. Plug the wire harness to the new AME 2P Radial Wiper System.

18. From the outside of the vehicle, reinstall the arm/blade assembly.

19. Align the wiper arms so that the blades sit parallel to the ground: parked about 1"-2" above the molding. (Figure 15)

20. Install the black lock washers (AME part #407-1023).

21. Install the black cap nuts (AME part # 407-1010) and torque to 8lb/ft ±1.5.

22. Hook up the washer hose to the bulkhead fitting. Leave enough hose so the arm will not pull it off or kink operation. (Figure 16)

23. Operate the AME 2P Radial Wiper System on wet glass with the vehicle running. The vehicle must be on to ensure the wiper motor is at proper voltage.

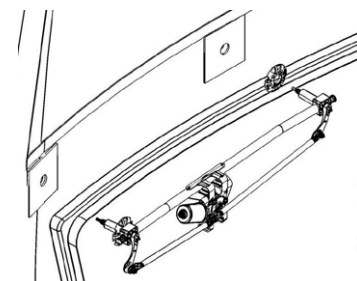


Figure 11

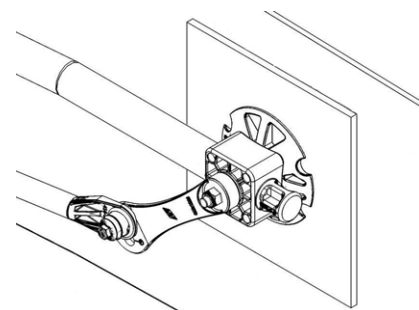


Figure 12

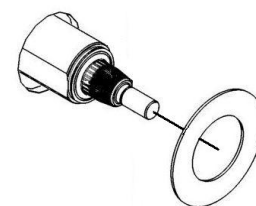


Figure 13



Figure 14

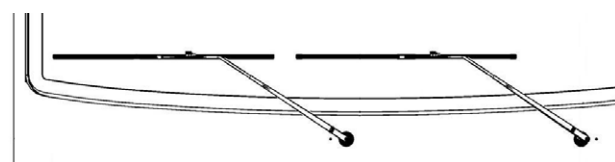


Figure 15

24. Verify the sweep pattern is correct and parked in the appropriate location. Wiper blades must not hit any of the moldings. If the sweep pattern is incorrect, or the blades hit the molding, remove the black cap nuts (AME part #407-1010) and reposition the arms again.

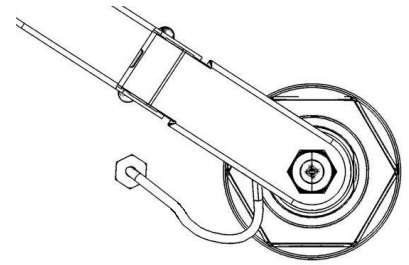


Figure 16

**Parts:**

Order Kit # 08V070000 - USA - NHTSA  
08-053 - Canada - TRANSP0

**Kit contains:**

Qty.	Description	Intergy #	E1 #
1	Stringer Assembly	N/A	N/A
2	Cap Nuts	11404999	68542
2	Lock Washer	S09302714	4956
2	Inner Spherical Spacer	JDE296908	296098
2	Fibre Washer	JDE296102	296102
2	M30x2 Nut	JDE294699	294699
1	Mounting Bracket	JDE296099	296099
2	Nut	JDE296100	296100
2	Bolt	JDE296101	296101
2	4" x 4" x 1/4" Shim	N/A	N/A

**Tools Required:**

- 1 - 9/16" Open End Wrench
- 1 - 1" Wrench or Crescent Wrench
- 1 - Air Saw or Jigsaw
- 1 - Screw Gun with a Square Tip Bit

**Warranty:** Submit a warranty claim form for each unit repaired using the following labor codes and time. Please record any applicable Make, Model and Serial number of inspected and/or repaired components on the warranty claim form.

**Labor Operation Code:** USA- Intergy: 22A402CDRC  
E1: 22A402RC  
Canada- Intergy: 22A502CDRC  
E1: 22A502RC

**Labor Hours:** 0.75 hrs.

# Monaco Coach Corporation

## RECALL PARTS PURCHASE ORDER

Recall 08V070000  
Canada 08-053  
Monaco File R08005  
AM Equipment Wiper Motor Assembly

Confirming Order Number: \_\_\_\_\_

Date: \_\_\_\_\_

Ship To: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PO Number: \_\_\_\_\_

Part: Order # USA - 08V070000  
CAN - 08-053

Please only check one box.

Kit contains: See page 4 of instructions for kit contents.

Customer Name: \_\_\_\_\_

Serial Number(s): \_\_\_\_\_

All parts will be shipped UPS ground unless other  
arrangements are made in advance.  
FAX TO: 1-800-498-9478

**MONACO COACH CORPORATION**  
**P.O. Box 465 Wakarusa, IN 46573**  
**606 Nelsons Parkway Wakarusa, IN 46573**



March 11, 2008

**VEHICLE SAFETY DEFECT SERVICE BULLETIN**  
**Recall Campaign No. 08V070000**  
**Monaco File R08005**

**Re: Safety Recall – AM Equipment Wiper System**

Dear Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Monaco Coach Corporation has decided that a defect which relates to motor vehicle safety exists in all 2006-2007 Monaco Diplomat and Holiday Rambler Endeavor Class A motorhomes manufactured from January 24, 2005 through March 30, 2007.

According to our information, your unit identified on the enclosed form is affected. *Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.*

Monaco Coach Corporation was advised by AM Equipment, the supplier of the wiper system, that the affected windshield wiper system's drive motor link may become disengaged during operation from the wiper drive arm on the driven end (where it attaches to the drive arm). The failure causes the wiper motor link becomes disengaged from the drive arm which causes the wiper system to not wipe. Consequences of a wiper system failure may be inadequate/reduced visibility which could result in a crash. As a precautionary measure, Monaco Coach Corporation and AM Equipment have elected to perform this voluntary safety recall campaign.

The remedy for the defect will be the replacement of the complete under the hood wiper system with a new model, reusing the wiper arm and blades. The recall repair will be performed at no cost to you. If you have already encountered the defect which is the subject of this letter, and had it corrected prior to receiving this letter, you may be eligible for reimbursement for your remedy costs.

You may contact your Monaco Coach Corporation dealer to arrange for a service appointment. Instructions for making this correction have been sent to your dealer and parts are readily available.



The labor time necessary to perform this recall campaign is approximately 0.75 hours. Please contact your dealer to schedule an appointment and delivery of the appropriate parts.

The vehicle owner is responsible for having this service action performed. Monaco Coach Corporation specifically excludes coverage of incidental damages that may result from failure to have this recall performed. Please have this recall performed as soon as possible.

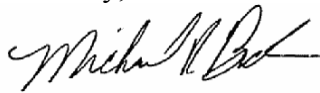
The enclosed Recall Notification Form identifies your motorhome and will serve as an authorization and claim form to have the correction made. Presentation of this form to your dealer will assist in making the necessary correction in the shortest possible time. If you have sold or traded your vehicle, or for any reason cannot have this recall service performed, please let us know by completing the postage paid reply card and returning it to us promptly.

Your Monaco Coach Corporation dealer is best equipped to provide service to ensure your motorhome is corrected as promptly as possible. If, however, you take your unit to your dealer on the agreed service date and the dealer does not remedy this condition on that date or within three (3) days, please call our toll free recall hotline at (800) 685-6545 or our toll free number for Customer Service at (877) 466-6226.

If, after contacting your dealer, and the recall assistance service line, you believe Monaco Coach Corporation has failed or has been unable to remedy the noncompliance without charge or there has been an unreasonable delay in securing the remedy, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY:1-800-424-9153); or go to <http://www.safercar.gov>.

We apologize for any inconvenience that this may cause you. However, we have taken this action in the interest of your safety and continued satisfaction with your Monaco Coach Corporation motorhome.

Sincerely,



Michael R. Becker  
Customer Service Manager  
Monaco Coach Corporation

mb/ma