



# TECHNICAL SERVICE BULLETIN

Date: February 6, 2008

## All Terrain Vehicle

Bulletin Number: **ATV-08-01A**  
**ATV-08-01B**  
Model Years: **2004.5 / 2005 / 2006**

**Safety Bulletin**

Service Bulletin

Service Alert Fax

Production Update Kit

Distribution:  Owner / Principal  Service Manager  Sales Manager  Parts Manager  Technicians

*This Service Bulletin is located at [www.polarisdealers.com](http://www.polarisdealers.com)*

-Confidential and Proprietary-

### SUBJECT: SAFETY RECALL

**Replacement of Electronic Control Modules on Select Model Year 2004.5, 2005 and 2006 Sportsman 500s, Model Year 2005 Scrambler ATVs, Model Year 2005 Sportsman 400s, Model Year 2005 and 2006 Scrambler 500 4x4s, 2006 Sportsman 450s, 2005 Sportsman 600s, 2005 and 2006 Sportsman 6x6s, Carbureted 2005 and 2006 Sportsman 700s, and Carbureted 2005 Sportsman MV7.**

**\*\*This Bulletin Supercedes Bulletins ATV-05-01, ATV-05-01R, ATV-05-01L, ATV-05-01T and ATV-05-01C.\*\***

**\*\*Model Year 2005 Trail Boss and Magnum 330s are not affected by this Bulletin.\*\***

### PURPOSE:

Polaris is revising and expanding prior Safety Bulletins ATV-05-01, ATV-05-01R, ATV-05-01T, ATV-05-01L, and ATV-05-01C under a newly issued Safety Bulletin, ATV-08-01. The revised and expanded bulletin/recall affects select Model Year 2004.5, 2005 and 2006 Sportsman 500s, 2005 Model Year Scrambler ATVs, Model Year 2005 Sportsman 400s, Model Year 2005 and 2006 Scrambler 500 4x4s, 2006 Sportsman 450s, 2005 Sportsman 600s, 2005 and 2006 Sportsman 6x6s, Carbureted 2005 and 2006 Sportsman 700s, and Carbureted 2005 Sportsman MVs. Polaris has determined some units in the revised and expanded VIN range were assembled with possibly defective Electronic Control Modules (ECMs) that may fail and overheat. If this were to occur, the excessive heat could cause fire, possibly resulting in serious injury or death. Units in the revised and expanded VIN range should have the previously used potted ECM replaced with a new unpotted Die-Cast ECM.

**NOTE: Affected units that have already had an unpotted Die-Cast ECM previously installed (see images on next page) are not affected by this current Safety Bulletin. No further action is required on these units.**

Dealers should check their records to determine whether or not a machine is affected by utilizing Unit Inquiry on the dealer Stop Site. Any affected units in dealer inventory must have their negative (black) battery cable disconnected from the battery when the vehicle is not in use or left unattended.

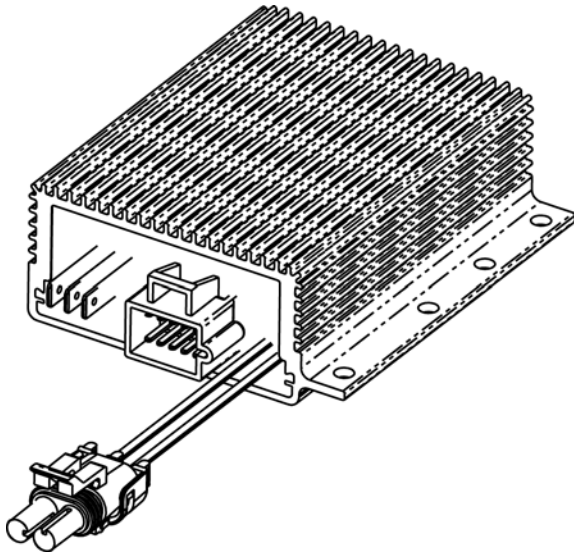
**Please review the repair instructions provided with the ECM kit(s) carefully.**

***Affected units can be verified by using the "Unit Inquiry" feature at [www.polarisdealers.com](http://www.polarisdealers.com).***

***NOTE: Not all 2004.5, 2005 or and 2006 vehicles are affected.***

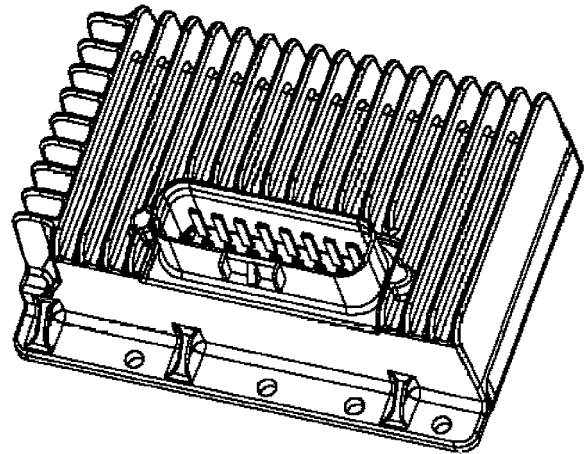
ECM IDENTIFICATION: The following images are for ECM identification purposes.

### Potted ECM



PN 401110  
 PN 4011044  
 PN 2203117  
 PN 2203118

### Unpotted Die-Cast ECM



PN 2203348  
 PN 2203350

### ECM REPLACEMENT TABLE:

Bulletin # and ECM #	Model Numbers	Model Year / Model	Vehicle Identification Number Range
ATV-08-01A PN 2203350	A05MH59AK,AN A05MH68AD,AK,AN A05MH68AP,CA,MA,MB	2005 Sportsman 600 2005 Sportsman 700 2005 Sportsman MV7	Reference "Unit Inquiry" on the dealer website to lookup affected ATV VINs.  NOTE: Not all 2004.5, 2005 or and 2006 vehicles are affected.
	A06MH68AA,AD,AF	2006 Sportsman 700	
ATV-08-01B PN 2203348	A04CH50AO,AR,AS	2004.5 Sportsman 500	
	A05MH42AB,AG,AH A05MH50AB,AC,AG,AH,AL,AT,FB A05CL50AA,MA A05BG50AA,FA	2005 Sportsman 400 2005 Sportsman 500 2005 Sportsman 6x6 2005 Scrambler 4x4	
	A06MH46AA,AC,AD,AF,AT A06MH50AA,AB,AD,AF,FB A06CL50AA A06BG50AA,FA	2006 Sportsman 450 2006 Sportsman 500 2006 Sportsman 6x6 2006 Scrambler 4x4	

### CUSTOMER NOTIFICATION:

**Required:** Please review your dealership records and notify your affected customers for warranty service immediately. Dealers should instruct consumers to disconnect the negative (black) battery cable from the battery when the affected vehicle is not in use or left unattended. Consumers affected by this Safety Recall will be notified by Polaris via U.S. mail. An example of the consumer letter is included with this Bulletin.

## PARTS INFORMATION:

ECMs on units in the affected VIN range are to be removed and replaced with an unpotted Die-Cast ECM. Order 1 ECM kit for each affected ATV that is repaired. All affected units in dealer inventory are to be repaired prior to sale.

**Refer to the instructions provided with the ECM kit(s) to complete the repair.**

Affected models using ECM 4011044 will use ECM Replacement Kit PN 2203350.

Affected models using ECM 4011110 will use ECM Replacement Kit PN 2203348.

**\*\*Verify part numbers for supercessions before ordering\*\***

## IMPORTANT SERVICE INFORMATION:

**SERVICE PARTS AFFECTED:** *ECM kits have been updated - Verify for supercessions before ordering.*

\*\*Dealers are required to pull from their parts stock inventory and return to Polaris, any remaining ECMs or kits with the part numbers 4011110, 4011044, 2203117, and 2203118. Dealers may file a single group Parts Stock (PS) warranty claim for new modules or kits in existing parts inventory (with the same part number).

<b>PART NUMBER / DESCRIPTION</b>	<b>2203348 / KIT-SUREPOWER ECM 400\450\500</b> <b>2203350 / KIT-SUREPOWER ECM 600\700</b> <b>7170107 SVC BULLETIN DECAL</b>
<b>PARTS AVAILABILITY</b>	Available for Order
<b>QUANTITY (Per Affected Unit)</b>	QTY 1 - Per Unit
<b>DIRECT-SHIP FROM POLARIS?</b>	NO
<b>TO BE ORDERED BY DEALER?</b>	YES - Order kits through normal order channels

## WARRANTY CLAIM INFORMATION:

A single group claim may be submitted listing the complete (17 digit) Vehicle Identification Number for machines with the same model number. File claim type **SB (Service Bulletin)**. Enter **2203348 or 2203350 (Qty. 1 per unit claimed) and decal PN 7170107** in the primary failed part field. **DO NOT PUT MORE THAN ONE MODEL NUMBER ON A CLAIM.**

As a Polaris Dealer you are required to keep all warranty parts for a minimum of 30 days from the date of claim submission. Polaris reserves the right to alter this requirement based on your warranty performance, and will notify you accordingly in writing. Any parts recalled to Polaris for inspection should be received by Polaris within 30 days of your claim. Your dealership may be required to provide such parts in the event of an audit or possible legal issue. Occasionally, warranty parts are requested to be returned to Polaris to assist our engineers in identifying potential trends and correct them for future product. Please follow these procedures carefully to ensure your dealership is properly credited.

**NOTE: Please wait until your claim has been invoiced to see if parts need to be returned. This can be verified by clicking on 'Warranty Claim Inquiry' or 'View Parts Return List' on the dealer website homepage by clicking the Service and Warranty section of the blue bar.**

**IMPORTANT: After the 30 day holding period explained above, please destroy the ECM that was replaced.**

### ATV-08-01A - Sportsman 600 / 700 (PN 2203350)

Service Bulletin #	ATV-08-01A
Claim Type	SB (Service Bulletin)
Labor Allowance	15 min.
Claim Part Numbers	N/A - Auto Process Bulletin

### ATV-08-01B - Sportsman 400 / 450 / 500 (PN 2203348)

Service Bulletin #	ATV-08-01B
Claim Type	SB (Service Bulletin)
Labor Allowance	15 min.
Claim Part Numbers	N/A - Auto Process Bulletin

### SERVICE BULLETIN COMPLETION DECAL:

A Service Bulletin Completion Decal must be completed for this bulletin repair. Place the decal on the unit as shown. If you require more decals, order them through normal Polaris parts ordering channels.



Sincerely,

Laurie Rengel  
Manager, Service Dealer Development and Warranty



Polaris Industries, Inc.  
2100 Highway 55  
Medina, MN 55340

## SAFETY RECALL NOTICE

PLEASE READ IMMEDIATELY

February xx, 2008

**CUSTOMER INFORMATION PRINTED HERE**

**Customer's VIN #**  
**Customer's Name**  
**Customer's Address**

Dear Polaris ATV Owner:

Polaris Industries of Medina, Minnesota is revising and expanding prior Safety Bulletins ATV-05-01, ATV-05-01R, ATV-05-01T, ATV-05-01L, and ATV-05-1C under a newly issued Bulletin ATV-08-01. The Bulletin/recall affects select Model Year 2004.5, 2005 and 2006 Sportsman 500s, 2005 Model Year Scrambler ATVs, Model Year 2005 Sportsman 400s, Model Year 2005 and 2006 Scrambler 500 4x4s, 2006 Sportsman 450s, 2005 Sportsman 600s, 2005 and 2006 Sportsman 6x6s, Carbureted 2005 and 2006 Sportsman 700s, and Carbureted 2005 Sportsman MVs.

***Our records indicate that you are the current registered owner of an affected unit which needs to be repaired by a Polaris dealership. It is important that you contact your dealer to make arrangements to get this repair completed immediately.***

Polaris determined your ATV was assembled with a possibly defective Electronic Control Module (ECM). Polaris has determined the recall defect could cause the ECM to fail and overheat. If this were to occur, excessive heat could cause a fire, possibly resulting in severe injury or death. Consumers receiving this notice may have already been notified about this recall and may have already taken their ATV to an authorized Polaris dealer for repair. However, this notice is to inform you that Polaris has revised and expanded the recall VIN range and is now requesting that previously used potted ECMs, used on the above affected models, be replaced with new unpotted Die-Cast ECMs.

**YOU MAY CONTINUE TO OPERATE YOUR ATV UNTIL SAFETY BULLETIN ATV-08-01 HAS BEEN COMPLETED BY FOLLOWING THE INSTRUCTIONS BELOW.**

Until the current repair can be completed, consumers must disconnect the negative (black) battery cable from the battery when the unit is not in use or left unattended. Your Polaris dealer has received a Safety Bulletin, ATV-08-01, that describes the necessary repair procedure. ***This repair will be performed at no charge to you.*** It is possible your Polaris dealer has already contacted you and made arrangements regarding the replacement of your current ECM with a new Die-Cast ECM. If you have made prior arrangements to have your unit brought to a dealer for repair, no further action is required on your part, other than to disconnect the negative (black) battery cable from the battery when your vehicle is not in use or left unattended. If you have already had this repair procedure performed and your ATV is currently equipped with an unpotted Die-Cast ECM, please disregard this notice as no further repair is necessary.

This notice was mailed to you according to our most current registration information. While your Polaris ATV dealer is in the best position to answer your questions, if you have any questions your dealer cannot address, you may call our Customer Service Department at 1-888-704-5290.

If you need assistance contacting a dealer, please call 1-888-704-5290 or visit the Polaris web site at [www.polarisindustries.com](http://www.polarisindustries.com)

We apologize for any inconvenience this may cause you.

Sincerely,

Laurie Rengel  
Manager, Service Dealer Development & Warranty



# Sure Power PDM Installation Instructions

## KIT P/N 2203348

### Application

2006 and Earlier Polaris Sportsman 450/500, Sportsman 6x6, 500 Scrambler

**Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.**

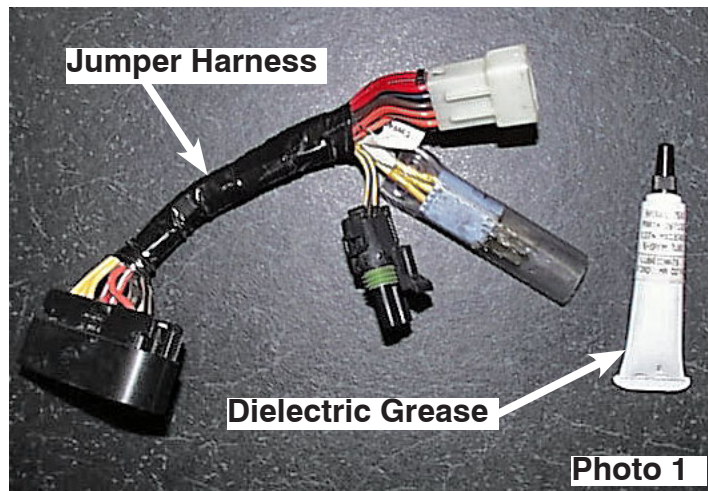
### Kit Includes:

Qty	Description	Part No.
1	Power Distribution Module (PDM)	4011803
1	Small tube of NyoGel Dielectric Grease	2871329
1	Harness-Jumper, Sure Power	2410921
1	Instructions	9921137

### Tools Required:

- #25 Torx Driver
- #27 Torx Driver
- 1/2" Socket, w/ Extension and Ratchet
- Tin Snips or Heavy Duty Scissors
- Pencil

**IMPORTANT:** For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence as shown on the attached instructions.



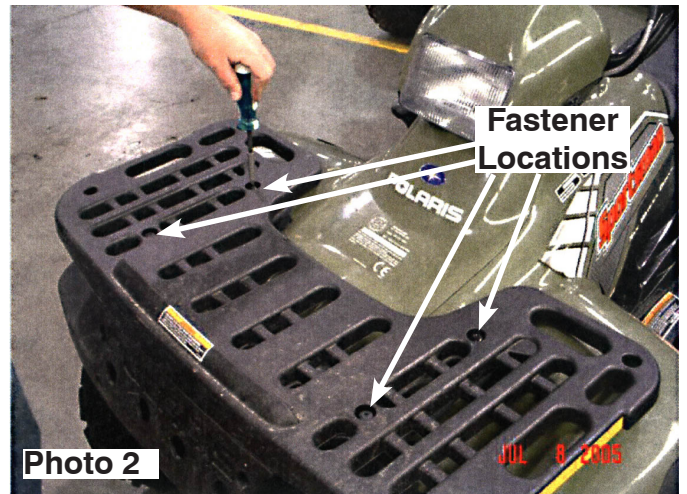
### INSTALLATION INSTRUCTIONS

These instructions cover three model families (Sportsman, Sportsman 6x6, Scrambler). Carefully follow the instructions as they pertain to each model.

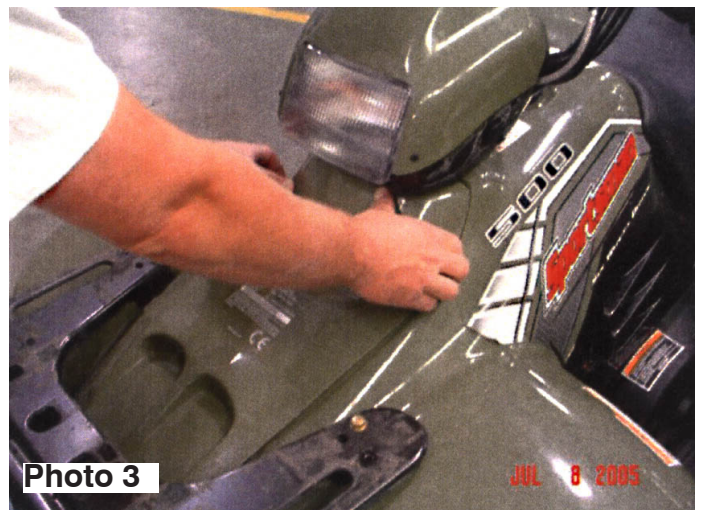


## Sportsman and Sportsman 6x6

1. To gain access to the Power Distribution Module (PDM), remove the front rack. With the engine turned off, remove the front rack by using the #27 Torx tool to remove the four screws that secure the front rack, in the locations seen **Photo 2**.

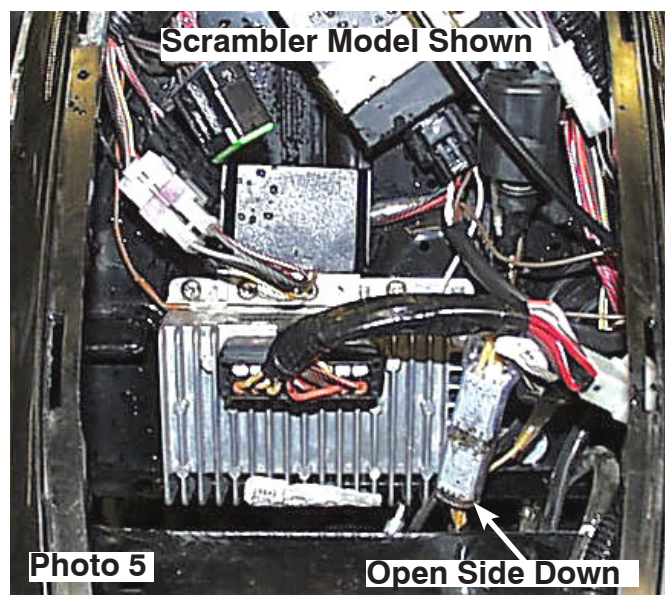
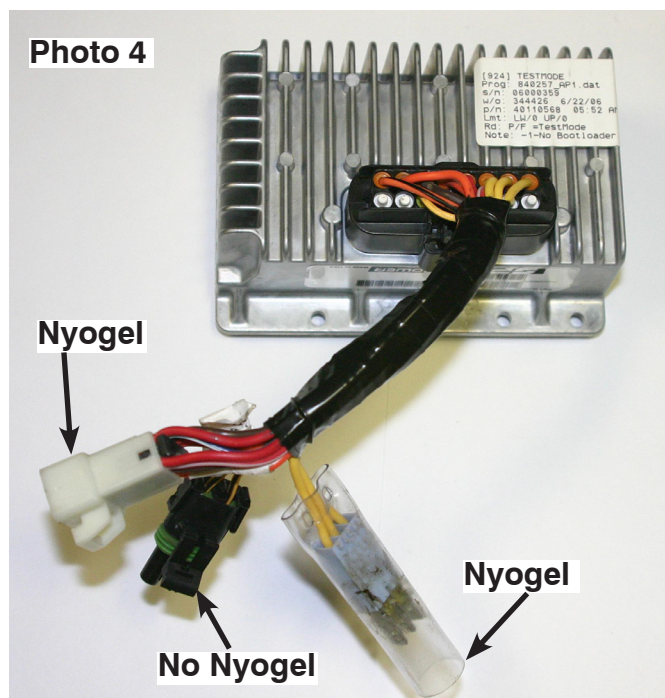


2. Remove the front cover panel as pictured. Loosen the top first, then reach under the front bumper and push on the front securing tab to release the panel. Flex the top of the panel as needed to slide under headlight pod.



3. Noting the PDM mounting location, remove from the bulkhead using the #25 torx driver. Retain mounting screws. On some models there will be a spacer bar located under the mounting tab of the PDM. Retain the spacer bar and screws to remount later.
4. Remove the wiring harness connector by depressing the retaining tab. Disconnect the remaining connectors from the PDM and the Pigtails. **Note:** Pushing the connector together prior to depressing the tab will help in the removal of the connector.
5. Using the screws and spacer (if needed) removed in Step 2, mount the new replacement PDM in the same mounting holes as the previous PDM.
6. Clean any dirt contaminated Dielectric Grease remaining in the unsealed connectors.

7. With the Dielectric grease tube included in the kit fill the two non sealed connectors of the Jumper harness as shown in **Photo 4**. **IMPORTANT:** DO NOT use Dielectric Grease on the sealed connectors
8. Plug the Jumper Harness into the PDM and the vehicle harness. **Note:** Be sure to position the shielded connector with the open side down as shown in **Photo 5**.
9. Reinstall the front panel and rack/front box assembly.



### Scrambler 500

1. Remove the front panel to gain access to the PDM, When removing the front panel it will also be necessary to remove the splash shield. Save the plastic rivets to replace shield later. The splash shield will need to be trimmed before it is reinstalled on the machine. This will allow for clearance between the splash shield and the new replacement PDM.
2. Follow steps 2 through 7 from the Sportsman instructions above.
3. Using the template included in the kit, trim the splash shield using heavy scissors or tin snips.
4. Reinstall the splash shield and front panel.





**POLARIS**<sup>®</sup>  
The Way Out.

# Sure Power PDM Installation Instructions

## KIT P/N 2203350

### Application

2006 and Earlier Polaris 600/700 Sportsman, Sportsman MV7.

**Before you begin, read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.**

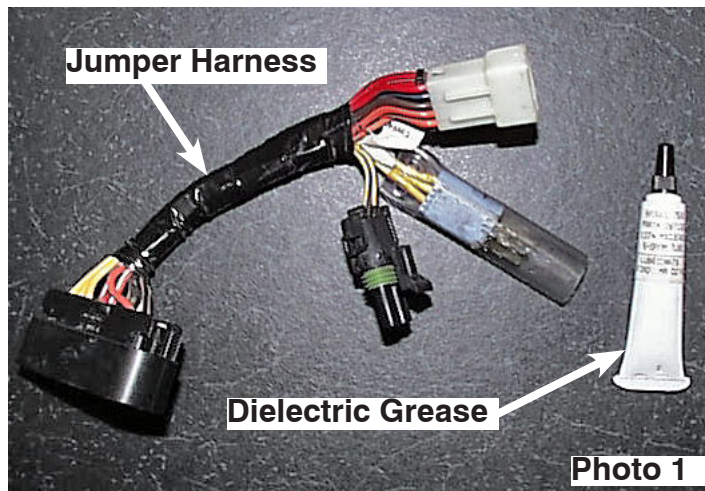
### Kit Includes:

Qty	Description	Part No.
1	Jumper Harness, Sure Power	2410921
1	Power Distribution Module (PDM)	4011805
1	Small tube of NyoGel Dielectric Grease	2871329
1	Instructions	9921510

### Tools Required:

- #25 Torx Driver
- #27 Torx Driver
- 1/2" Socket, w/ Extension and Ratchet

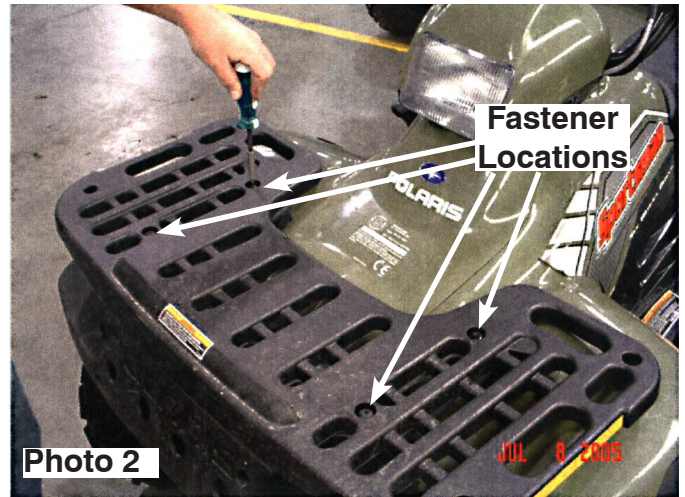
**IMPORTANT:** For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence as shown on the attached instructions.



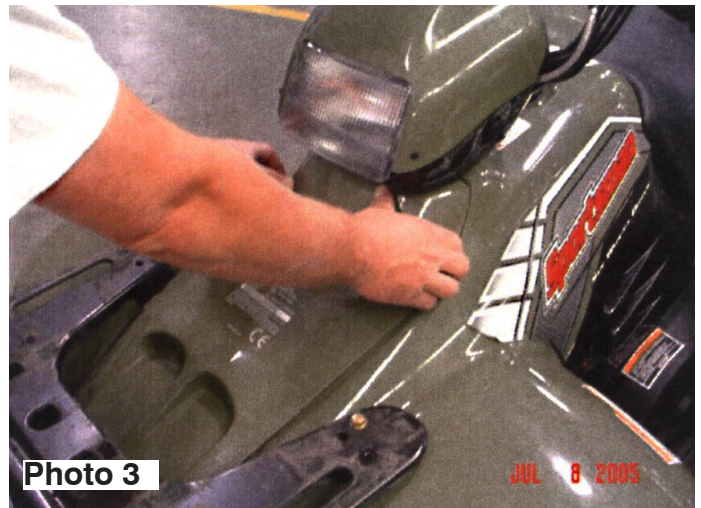
## INSTALLATION INSTRUCTIONS

These instructions cover multiple model families. Carefully follow the instructions as they pertain to each model.

1. To gain access to the Power Distribution Module (PDM), the front rack must be removed. With the engine turned off, use a #27 Torx tool to remove the four screws that secure the front rack, in the locations seen **Photo 2**.



2. Remove the front cover panel as pictured. Loosen the top first, then reach under the front bumper and push on the front securing tab to release the panel. Flex the top of the panel as needed to slide under headlight pod.



3. Noting the PDM mounting location, remove the PDM from the bulkhead using the #25 torx driver. Retain mounting screws for the new module in a later step. On some models there will be a spacer bar located under the mounting tab of the PDM. Retain the spacer bar and screws to remount as they will be used during the installation of the replacement PDM.
4. Remove the wiring harness connector by depressing the retaining tab. Disconnect the remaining connectors from the PDM and the Pigtails. **Note:** Pushing the connector together prior to depressing the tab will help in the removal of the connector.
5. Using the screws and spacer (if applicable) removed in Step 2, mount the new replacement PDM in the same mounting holes as the previous PDM.
6. Clean any dirt contaminated Dielectric Grease remaining in the unsealed connectors.

7. With the Dielectric grease tube included in the kit, fill the two non sealed connectors of the Jumper harness as indicated by the arrows in Photo 4.

**IMPORTANT: DO NOT use Dielectric Grease on the sealed connectors.**

8. Plug the Jumper Harness into the PDM and then connect to the vehicle harness. **NOTE:** Be sure to position the two non sealed connectors with the open side down as shown in Photo 5.

**IMPORTANT: Connectors must be positioned in direction as shown in Photo 5 with the open ends of the connectors facing down to allow any water that maybe trapped to drain from connector.**

9. Reinstall the front panel and rack assembly.

