



Reliability Driven™

Service Bulletin No. 398B

<i>MODEL</i>	D Series	<i>TYPE</i>	Field Change Program	<i>SECTION/GROUP</i>	7–Electrical	<i>DATE</i>	Aug. 15, 2013
<i>SUBJECT</i>	ACTIA POWER MANAGEMENT MODULE 1 / OUTPUT 29						
<i>CONDITIONS</i>							

Customer Complaint:

It has come to the attention of Motor Coach Industries, INC. ("MCI") that due to the Actia's module internal circuit characteristic the potential may exist in which both the high side and low side output of power management module (PMM) 1 may be active at the same time for very brief time. This may result in an electrical short on the low side output and intermittent loss of the ignition signal.

Cause:

Vendor internal module fault.

Corrective Action:

MCI will remedy the affected coaches at no cost to customers by replacing the power management module. However, proper repairs will require the use of specialized equipment, and therefore MCI strongly urges customers to make an appointment as soon as possible by calling the MCI Customer Service Line at 1–800–241–2947, to have the repairs performed by trained technicians who have the necessary equipment.

59353	59485	59587 to 59604	59653 to 59654	59742
59764 to 59789	59829 to 59845	59860 to 59906	*	*

Parts

<u>Qty.</u>	<u>New P/N</u>	<u>Description</u>
1	07-08-4992	Module, Power Management Module, Actia

Service Procedure:



Read this entire procedure before beginning work.

Use Safe Shop Practices At All Times.



1. Position the master run control switch on the lower, LH console to STOP or OFF, as applicable per Figure 1.

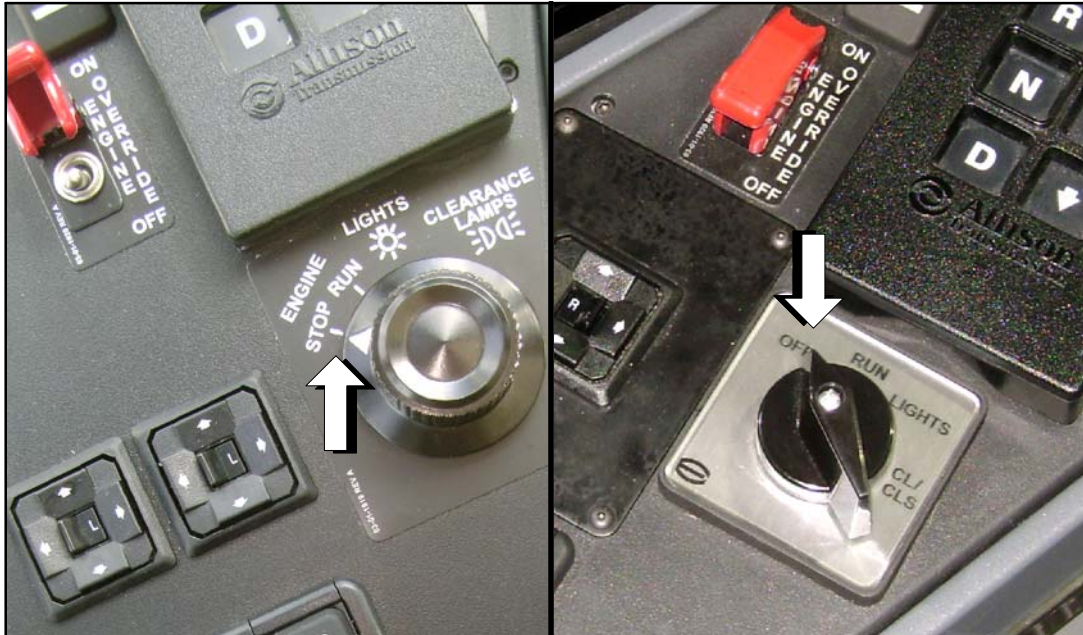


Figure 1.

2. Turn the main battery disconnect switch to the ON position.
3. Using the Amps Reflash program, upload the coach program. Save it on the laptop be downloaded at a later step in this procedure.
4. Open the battery compartment door and secure in the open position by installing the positive lock pin in the hole as shown in Figure 2.
5. Turn the main battery disconnect switch to the OFF position. Turn all circuit breakers to the OFF position.



Figure 2. Battery compartment.

<u>ITEM</u>	<u>DESCRIPTION</u>
1	Install the positive lock pin in the hole
2	Circuit breakers



- Using a dzus fastener tool (refer to Figure 3), open the drag link compartment door, located below the drivers window and forward of the front wheel. Open door and locate the power management module (PMM) mounted on the upper, rear compartment wall.

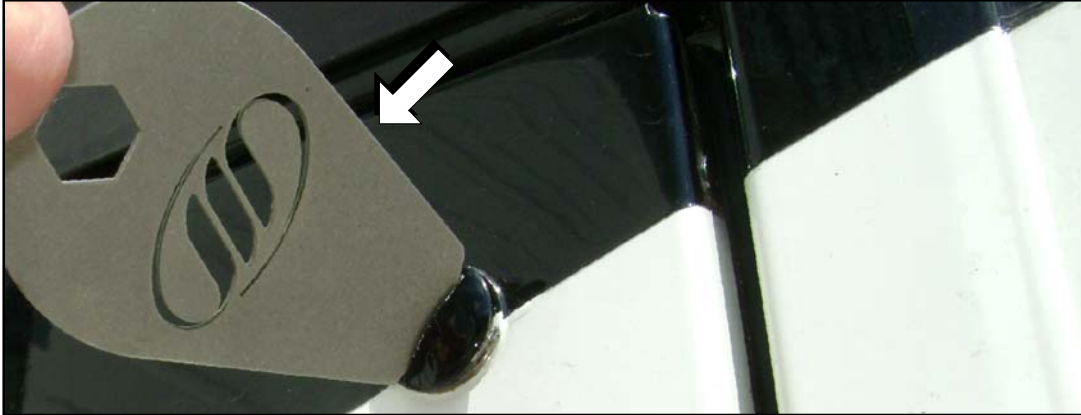


Figure 3. Reference photo of dzus fastener tool.

- Disconnect all four (4) connectors from the PMM.
- Remove and retain the mounting hardware. Remove the module and retain, to be submitted with claim.
- Using existing hardware, install the new module, p/n 07-08-4992 or later. Torque to 19 ft–lbs.
- Hand tighten the mating plug to PMM J104. For proper installation, ensure that the red dot and the arrow are aligned (refer to Figure 4).

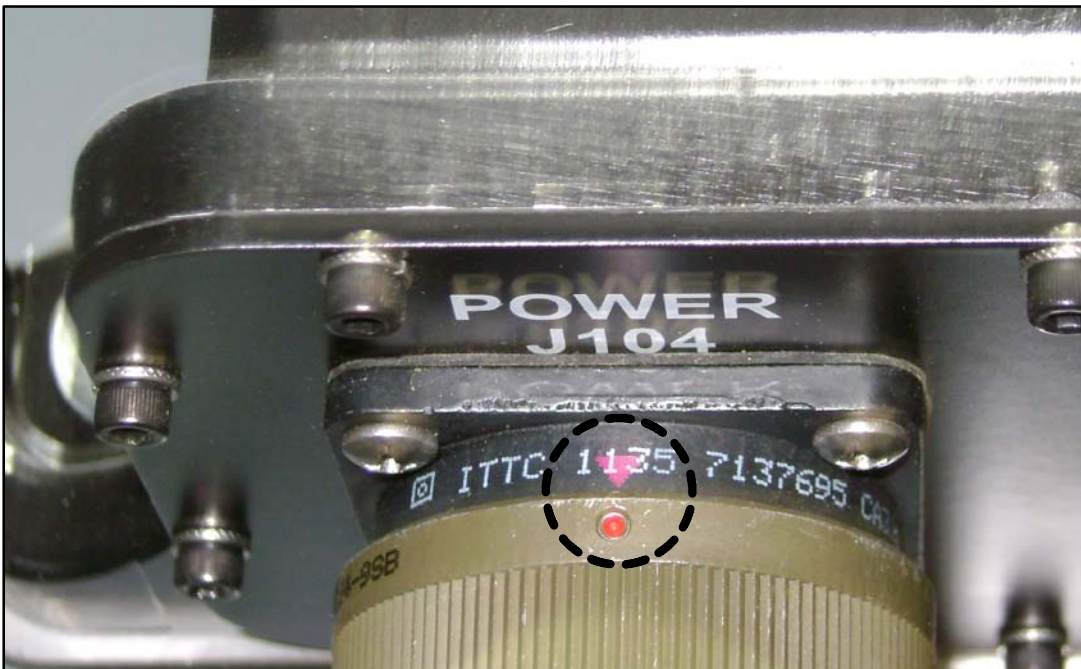


Figure 4.



11. Orient and connect connectors PMM J101, J103 and J102. Using a 4 mm or 5/32 hex wrench, torque the connector bolts to 25 in–lbs (refer to Figure 5).

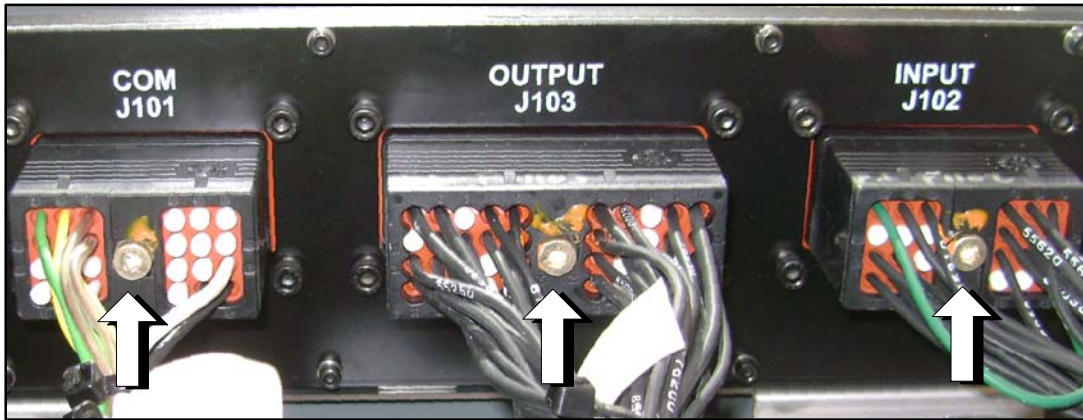


Figure 5.

12. Turn the main battery disconnect switch to the ON position. Turn all circuit breakers to the ON position.
13. Using the Amps Reflash program, download the latest operating system to all PMM's.
14. Using the Amps Reflash program, download the saved file from Step 3.

Procedure Complete.

Mail or fax the completed limited warranty claim form and verification form to MCI's warranty department, or photocopy and mail to:

MCI Fleet Support
Attn: Warranty Department
7001 Universal Coach Drive
Louisville, KY 40258
Fax Number 1-800-360-8886

to receive credit for the hours used to complete this task. Contact the MCI Fleet Support Technical Center at 1-800-241-2947 for any further information.

Field Change Program Conditions:

The parts required for this change will be supplied without charge. Specialized programming equipment is required to perform this campaign.

NO PAYMENT WILL BE ISSUED BY MOTOR COACH INDUSTRIES UNTIL THE COMPLETED WARRANTY CLAIM FORM AND THE EXISTING MODULE HAVE BEEN RECEIVED BY MCI.

A labor allowance of 0.5 hours will be granted for the procedure of installing the specified part(s) in this bulletin on D Series coaches.

This labor allowance will be credited to your MCI Fleet Support Parts Account on receipt of the attached "MCI Field Change Program Verification Form" and a "Warranty Claim Form" as detailed in your Owner Warranty manual to MCI's Warranty department. A "MCI Field Change Program Verification Form" needs to be submitted for each VIN affected. Photocopy the attached "MCI Field Change Program Verification Form" as required for the number of affected coaches in your fleet.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries