



**Countries:** AUSTRALIA, BRAZIL, CANADA, UNITED STATES, SOUTH AFRICA  
**Availability:** ISIS, FleetSIS  
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Coding Information

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**Title:** Pyrometer/Ammeter Module (PAM) Not Reading AMPS Properly

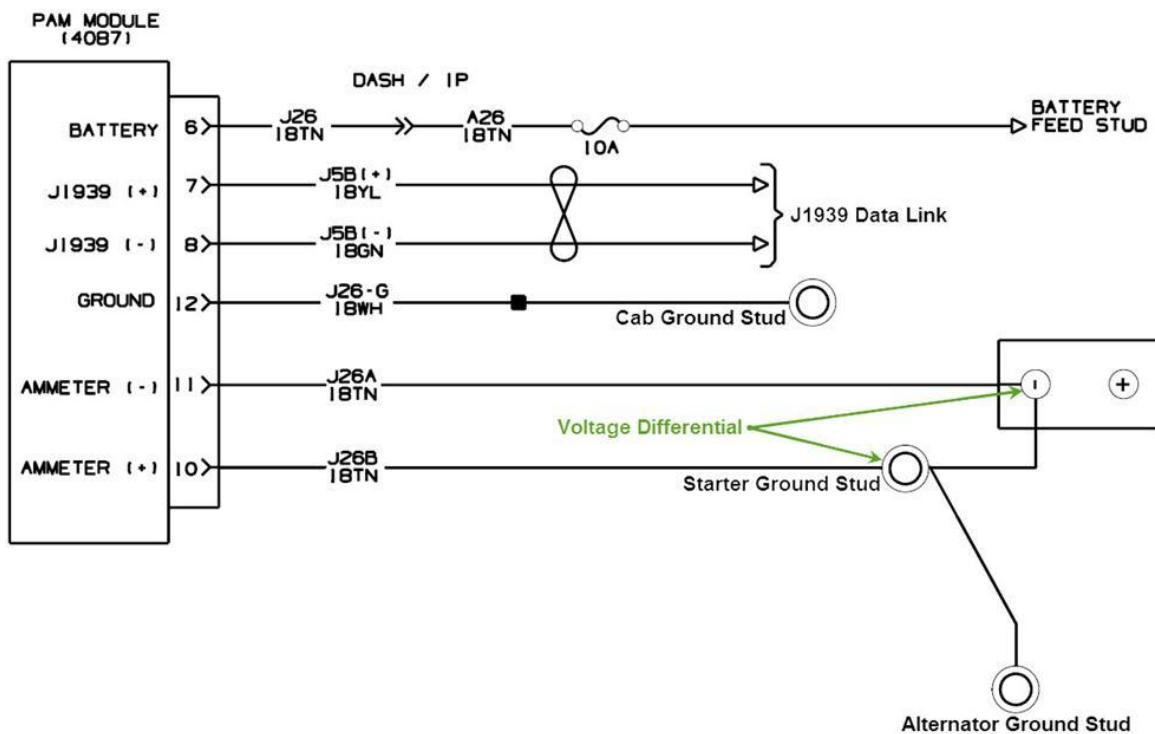
**Applies To:** Vehicles with Ammeter

## DESCRIPTION

In order to indicate the battery charge/discharge rate the PAM reads the differential voltage between the battery negative terminal and the starter ground stud. Assuming that these connections are tight and clean the module can tell if the battery is seeing a charge or discharge simply by reading the voltage drop (differential) between these two points. If the ammeter is reading high the most likely cause will be bad connection(s) in the reading or charging circuit causing an increase in voltage drop which then results in higher current readings. To correct a higher than normal voltage drop verify that all the connections between AMMETER + and AMMETER-, as well as the ground cable between the starter and the battery shown in the figure below are tight and clean.

RE buses have a different module for information on troubleshooting these modules, see [IK2200061](#)

FE buses have no PAM module. The cluster does the job of the PAM module on these buses.



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