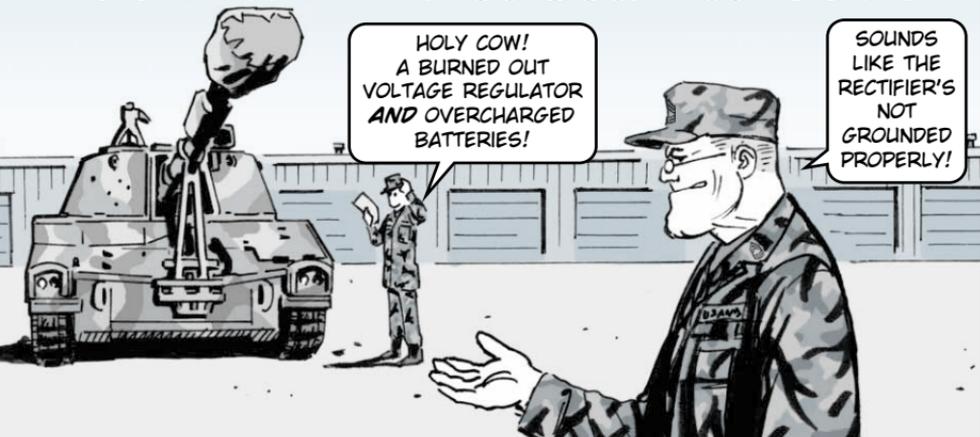
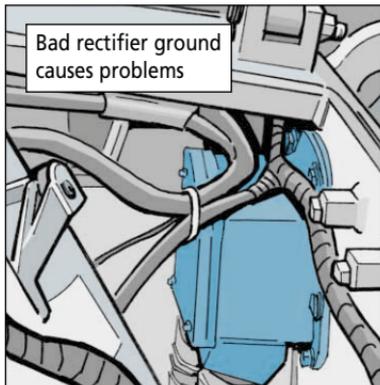


RECTIFYING A BAD GROUND



A bad rectifier ground causes a whole slew of problems for M109A2-A5 howitzers and the M992A2 ammo carrier. Low voltage readings and burned-out voltage regulators are pretty common.



If you see any of these problems, mechanics, re-ground the rectifier like this:

1. Remove the rectifier from the hull wall.
2. Clean the corrosion, paint and sealing compound from the mounting base, the mounting base bolt holes, and the hull mating surface with clean rags and crocus cloth, NSN 5350-00-221-0872.

Take special care to clean the threads on the two brass bolts, too. They are the real grounding points for the rectifier.

3. Apply a fresh coat of silicone compound, NSN 6850-01-137-8525, to the bottom of the mounting base and the mating surface of the hull.
4. Reinstall the rectifier. Make sure you use new lock washers on the mounting bolts. If you don't, the bolts come loose and the rectifier loses its ground.

Get new lock washers with NSN 5310- 01-334-4710 for the M109A2-A5 and NSN 5310-00-913-9776 for the M992A2.

Remember, only the two brass bolts take lock washers on the M109A2-A3 rectifier. It's OK to reuse the flat washers that come with the remaining four bolts.