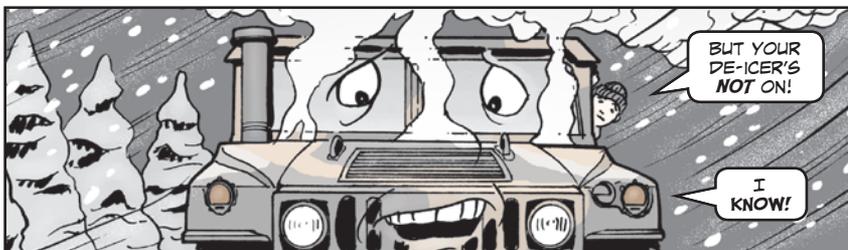
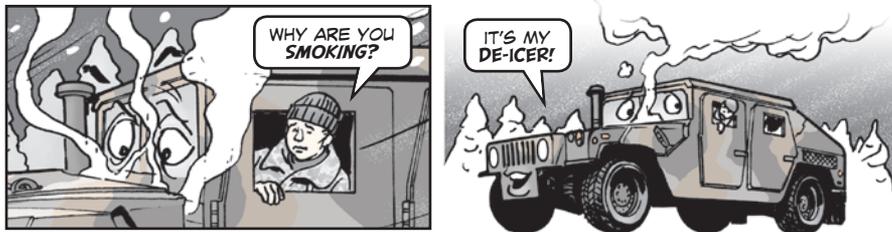
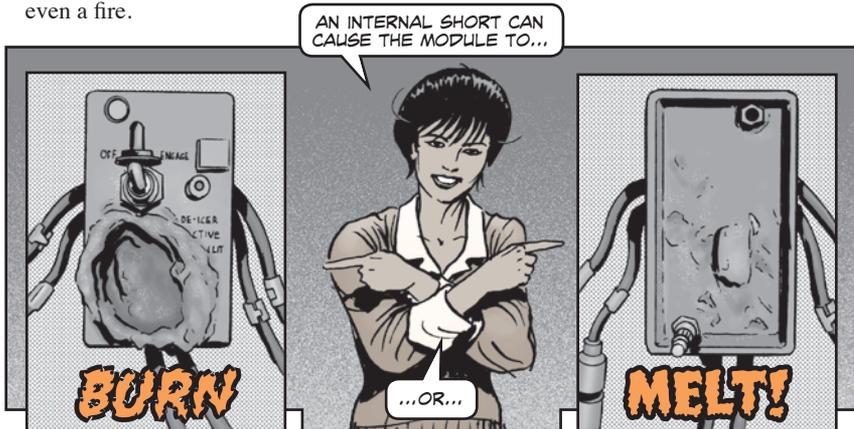


# Disconnect to Protect



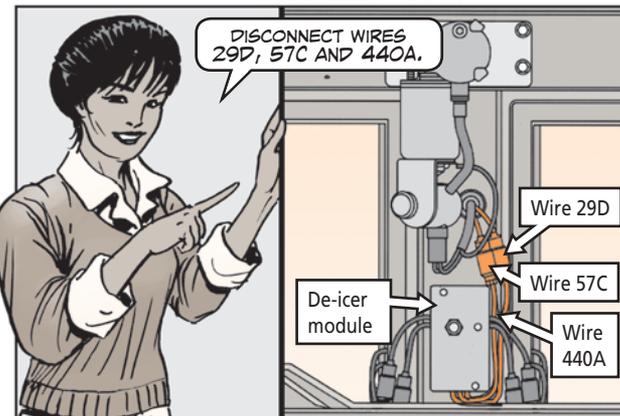
If you haven't already heard, mechanics, there's a problem with the windshield de-icer module, NSN 2540-01-560-2062, that may be installed on some up-armored HMMWVs. The culprit is a short that can result in overheating, smoke and maybe even a fire.



The short is likely caused by a transient voltage surge that occurs if the HMMWV is improperly slave started or operated with low batteries. This can happen even if the de-icer is **not** being used because the module is connected to DC power whenever the vehicle is running.

## Disconnect to Protect

De-icer modules on up-armored HMMWVs should be disconnected. Mechanics, disconnect the three power and ground cables—wires 29D, 57C and 440A—to reduce the risk of damage to equipment or injury.



And keep all four 441 leads that run from the de-icer module to the windshield connected. Get de-icer disconnection procedures at:

<https://tulsa.tacom.army.mil/Maintenance/?t=gpm&f=HMMWVDeiceDisProc.pdf>

## Reconnect to De-ice

Whenever windshield de-icing is needed to complete a mission, it's OK for mechanics to reconnect power leads to the de-icer module. Just pay close attention for signs of overheating.

If overheating occurs, make sure the three power and ground cables from the de-icer module are immediately disconnected. Mechanics should also disconnect them as soon as you're done de-icing.

## Slave Starting Solution

Improper slave starting can create this short, but keeping batteries charged and properly slave starting your HMMWV can prevent it. For correct slave starting procedures, take a look at TACOM's maintenance action message, MA 11-041, *Slave Starting Procedures for High Mobility Multipurpose Wheeled Vehicle (HMMWV) Family Of Vehicles*. It's available at:

[https://tulsa.tacom.army.mil/maintenance/mam/tacom\\_wn/ma11-041.html](https://tulsa.tacom.army.mil/maintenance/mam/tacom_wn/ma11-041.html)

## Future Fix

An upgraded de-icer module is in the works. We'll tell you when a replacement is available.

Need more info? Contact TACOM's Nathaniel Zachary at DSN 786-4306, 586-282-4306 or email: [nathaniel.j.zachary.civ@mail.mil](mailto:nathaniel.j.zachary.civ@mail.mil)

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