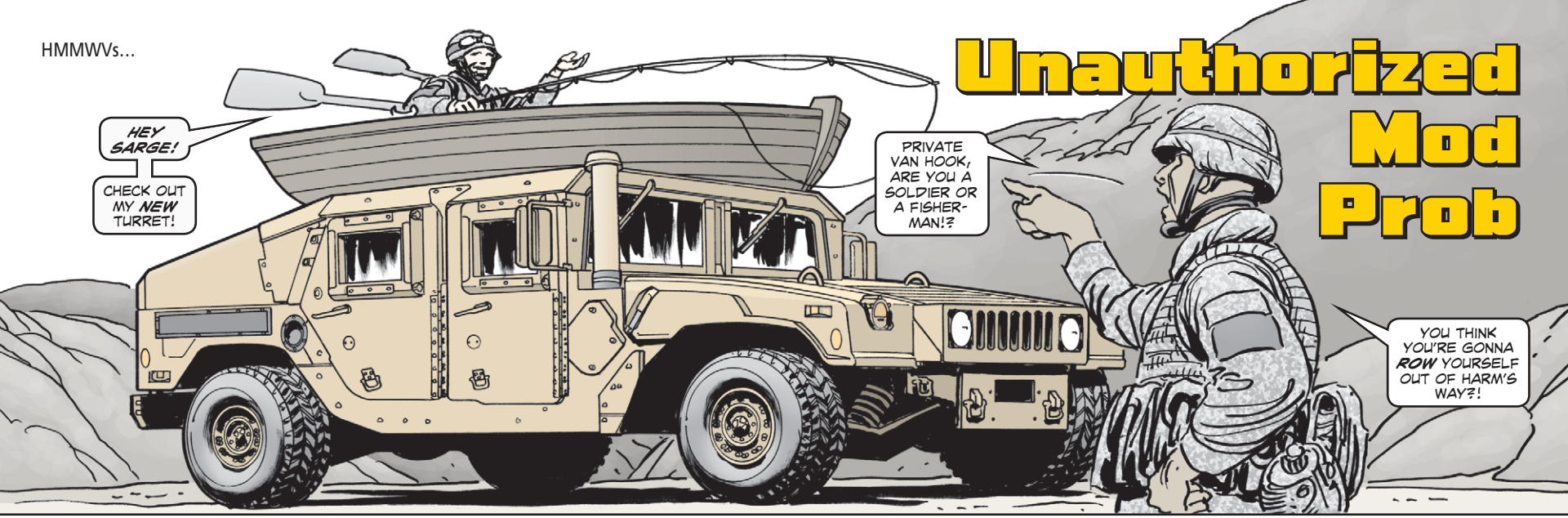
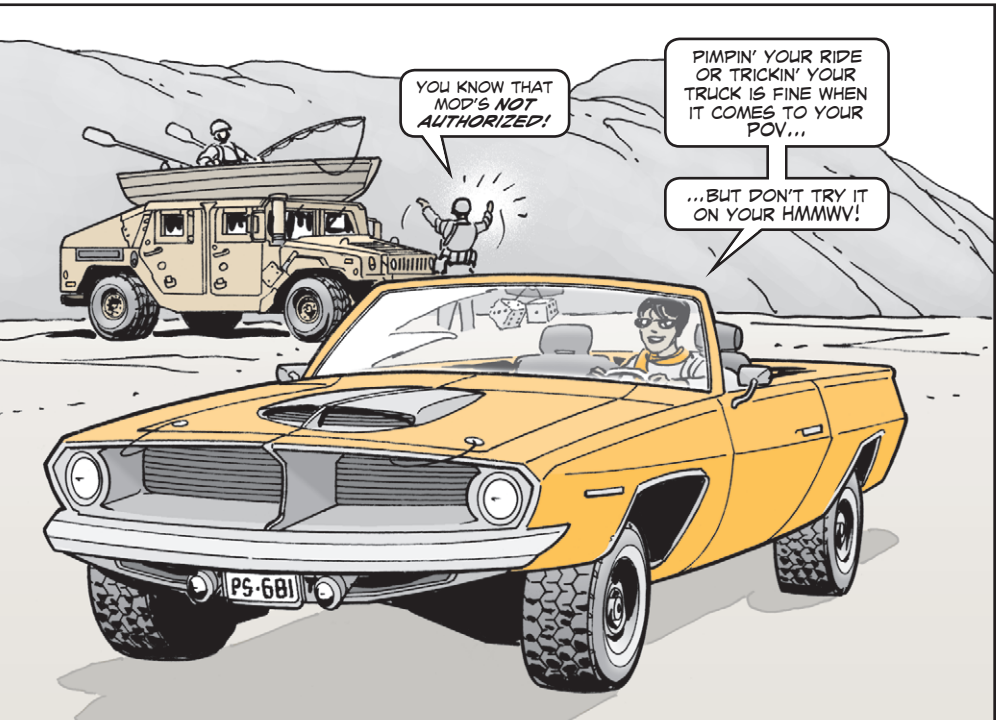
Unauthorized Mod Prob





Unauthorized modifications can compromise your HMMWV's capabilities. They can also affect safety and crew survivability. And in up-armored HMMWVs, they can degrade ballistic and blast protection and add unhealthy weight to the vehicle, creating structural problems.

Avoid all this by complying with TACOM GPM 02-018 and TACOM GPM 08-006. These messages describe the hazards that come with unauthorized mods. You can get both on the AEPS website:

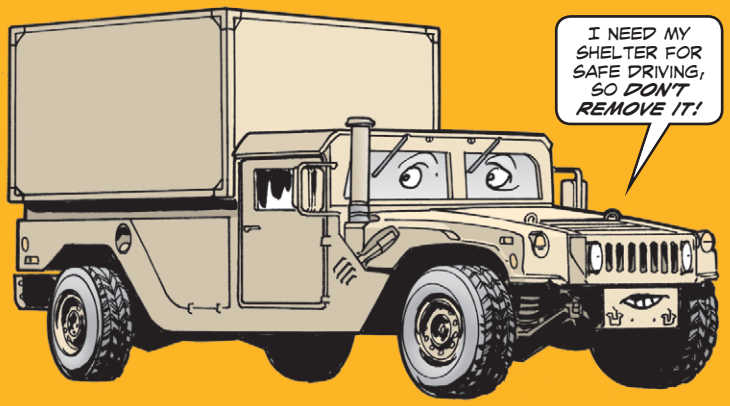
https://aeps2.ria.army.mil/aepshome.cfm

Basic Problem Mods

- Mounting storage racks on the front and rear of the vehicle to accommodate extra fuel or water cans is a problem mod. These racks can cause the vehicle to go over its gross vehicle weight (GVW). The containers, especially fuel, mounted on the exterior of the vehicle are safety hazards during a crash. Containers mounted in the front can block airflow and degrade cooling performance.

PS MORE

- Removing the shelter from the M1037 or M1113 HMMWV and using the truck as a cargo or troop carrier is a problem mod. The heavy-duty springs won't compress properly without the weight of a shelter carrier or a 1500-lb equivalent. The resulting bounce can affect the driver's ability to maintain control of the vehicle.

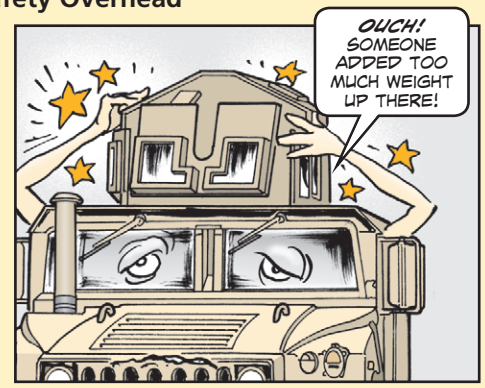


- Installing bucket-style seats in your basic model HMMWV without using conversion kit, NSN 2590-01-393-3796, and adapter kit, NSN 2540-01-429-9903—for ambulances and shelter carriers only—is a problem mod. These kits provide additional parts required to meet the approved configuration.

Of course, this doesn't complete the list of problem mods, but you get the picture. All unauthorized mods should be removed from HMMWVs. All HMMWV field mods MUST be authorized by PM-Light Tactical Vehicles before they can be applied.

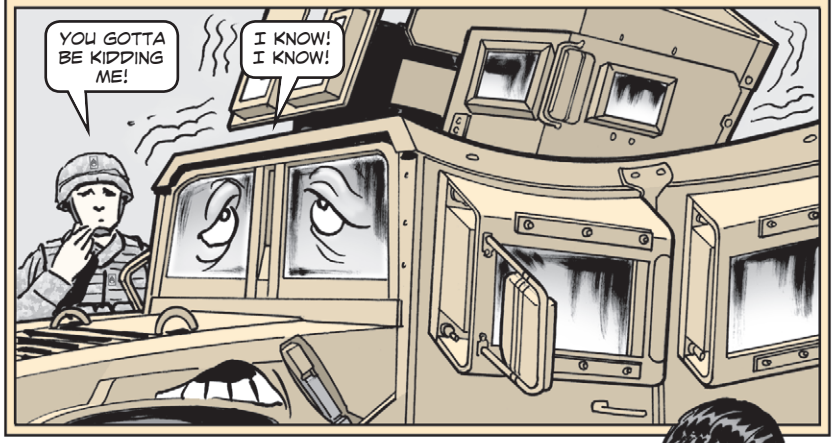
Safety Overhead

Problem mods also show up on up-armored HMMWVs with turret gunner protection kits (GPK) or objective gunner protection kits (O-GPK). These mods add weight to the upper roof and turret area of the HMMWV, raising the center of gravity (CG). That adversely affects vehicle stability and drivability, and leads to component fatigue and overloading of the roof support system.



Have You Seen These Mods?

Adding plates to up-armored HMMWV roof and armor plates and adding additional ballistic glass to the O-GPK are problem mods. They can add about 600 pounds to the already heavy up-armored HMMWV! Extra weight on or near the top of the vehicle increases the likelihood of vehicle rollover.



Heavy Weight Means Heavy Price

- reduces the suspension travel beyond the limitations of HMMWVs equipped with fragmentation kit 5 (FK5) and O-GPK. This degrades acceleration and fuel mileage, and increases vehicle fatigue, ground clearance and braking distance.
- negatively impacts weapon station readiness. The turret bearing reaches its load carrying capacity with the application of O-GPK. Extra weight shortens turret ring and battery life and slows down the rotation speed of the battery-powered motorized traversing unit (BPMTU).
- exceeds the capacity of the roof support system, leading to catastrophic roof cave-ins!

A Key Preventive Measure

- Inspect fasteners for breaks, stretching, looseness, cocked heads, or hole lengthening.
- Inspect seams, flanges and joints for straightness or local deformation as an indication that fasteners may have been stretched or holes lengthened.
- Thoroughly inspect adjacent areas for damage, distortion or misalignment.
- Inspect the up-armored HMMWV roof and support pillars for potential fatigue.