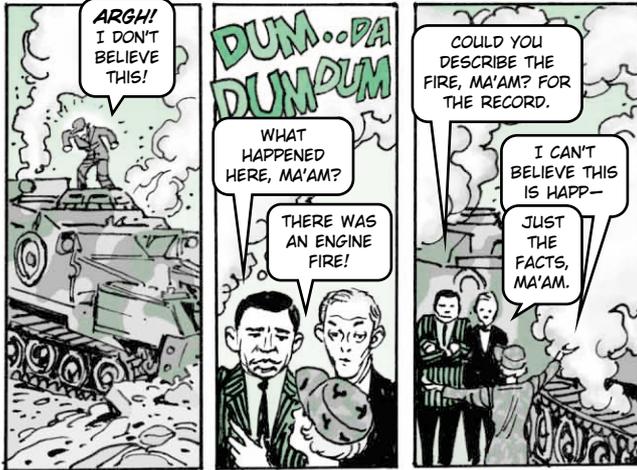


ACE HOT SPOTS

THE STORY YOU ARE ABOUT TO READ IS TRUE. THE NAMES HAVE BEEN CHANGED TO PROTECT THE INNOCENT ...



Smoke coming from the barbecue grill means its time to flip that burger.

Any smoke coming from the ACE's engine compartment means it's time to shut down the vehicle – EL PRONTO!

Here are two hot spots you need to keep in mind to help prevent an engine fire or the vehicle shutting down.

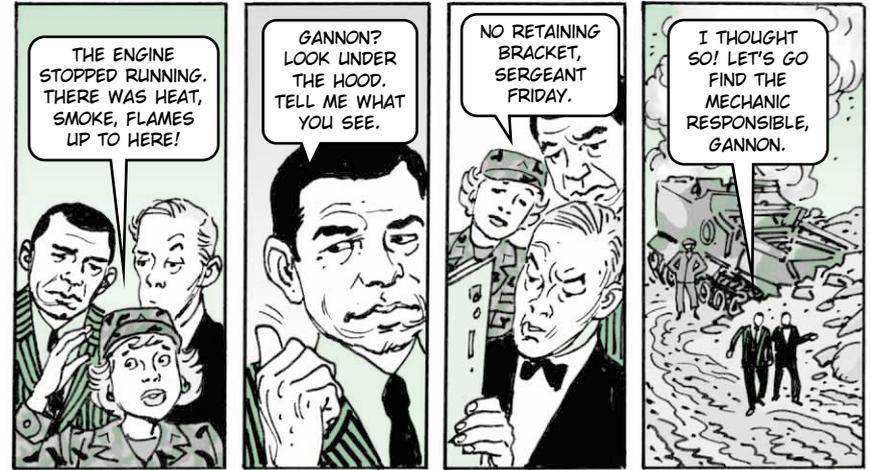
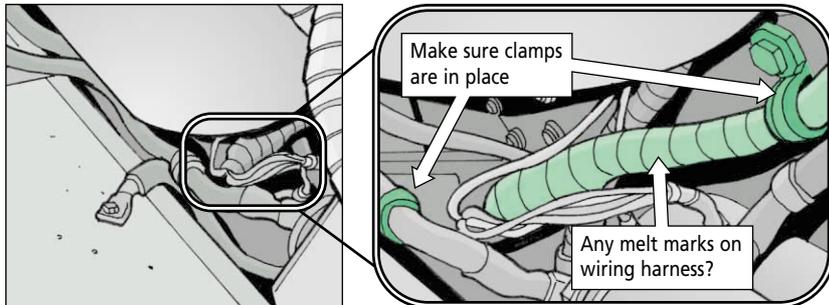
Wiring Harness

Take a look at the wiring harness for the engine's fuel shutoff valve. It's right next to the exhaust manifold (roadside).

If the harness is too close to the manifold, the wiring will melt and burn. A melted harness means the vehicle shuts down and stops running.

Push the wiring harness down with your hand and look for any melt marks on the wiring. If you see any marks, report it to your mechanic.

Make sure any clamps on the nearby wire or hydraulic hoses are in place and attached. Use a tie-strap, NSN 5975-00-074-2072, to pull the wiring harness away from the exhaust manifold.



Retainer Bracket

While the access door to the engine compartment is open, eyeball the same roadside wall where five hydraulic lines are mounted—directly across from the engine's exhaust manifold.

These hydraulic lines go to a hydraulic shift control valve that operates the vehicle. Each line is held in place by a retainer bracket that keeps it snug against the wall.

Sometimes the bracket gets misplaced when a hydraulic line is repaired, or when the engine is repaired by support. It makes no difference—do not run or operate the earthmover when the bracket is missing. Those hydraulic lines will rub up against the engine's exhaust manifold. That manifold gets hot enough to start a fire!

Have your mechanic replace a missing bracket with NSN 5340-01-179-7530. It's shown as Item 40, Fig 140 of TM 5-2350-262-24P.

As always, remember to file an accident report on DA Form 285 on all fires. Problems can't be fixed if they're not reported.

