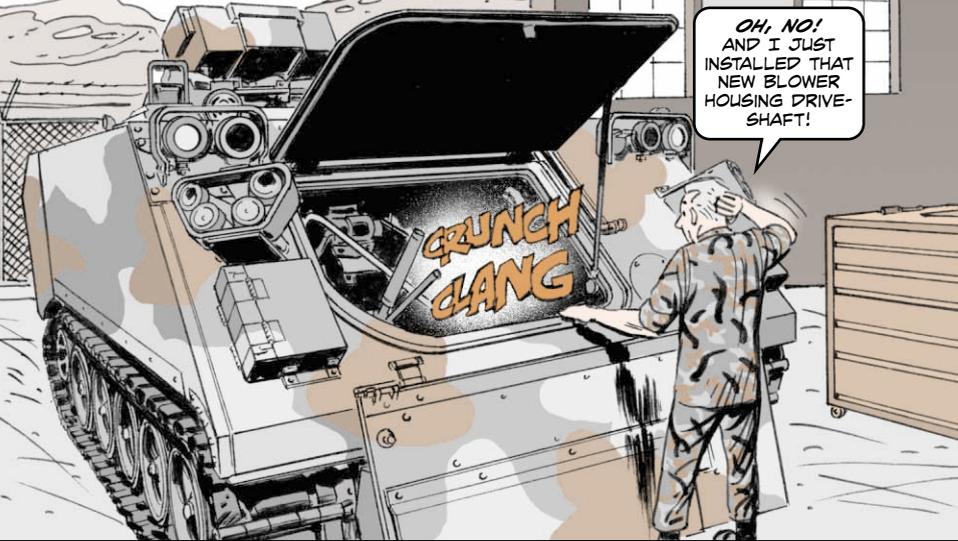


Two Tools for Broken Driveshaft

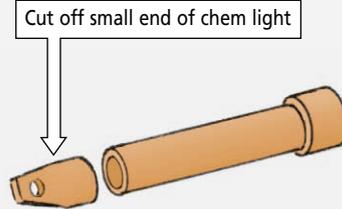


Mechanics, removing a broken driveshaft from the blower housing in an M113-series carrier's 6V53 or 6V53T diesel engine can be frustrating.

If the driveshaft is stuck, so are you. Usually not even a magnetic retrieving tool works.

You can make a tool that'll get those broken driveshafts out quick and easy, though. Here's how to make and use it:

1. Cut off the small end from a used 6-in chem light. Pour out the contents.
2. Push the open end of the chem light into the blower housing until it comes in contact with the broken end of the driveshaft.
3. Wiggle the chem light and continue pushing inward. The chem light will fit tightly around the driveshaft. Once it's firmly in place, just pull out the chem light and the broken driveshaft will come with it.



M2/M3-Series Bradleys...

PICK IT UP!

NOW WHAT WAS IT I WAS SUPPOSED TO REMEMBER?



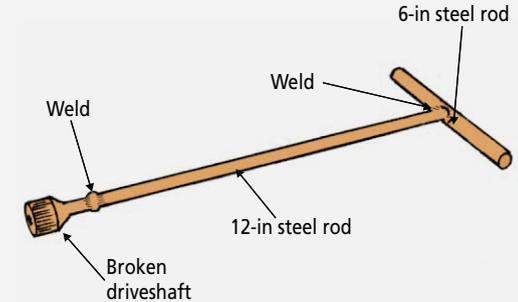
Of course, before you install a new driveshaft, you have to make sure the blower rotors will turn. Otherwise, the new driveshaft will snap, too.

Trouble is, even the smallest hands are too large to fit inside the blower housing. Many mechanics just put in a new driveshaft and hope for the best.

Instead, use the broken end of the driveshaft you just removed to make a second tool for testing the rotors.

Weld the broken driveshaft to a 12-in piece of 1/2-in diameter steel rod. Weld a second 6-in piece of rod to the other end of the tool to form a T-handle.

Insert the driveshaft end of the tool into the blower housing and try to turn the T-handle. If the rotors turn, everything's a go for installing a new driveshaft.



So, mechanic, why is that string around your finger? Could it be a reminder to pick up all your tools after a repair job in a Bradley turret?

When those repairs are done, you must collect any and all tools that were used. Even the smallest screwdriver or wrench can cause a lot of damage if it's left under the floor plates.

The next time the turret is traversed, forgotten tools scratch up and gouge the turret walls while ripping up cables and connectors. You could even end up with a punctured fuel tank.

So keep track of the tools you use. If you bring a tool out to the vehicle, make sure it goes back with you. Then take one last look to make sure you've left nothing behind.

Oh, and don't forget to take that string off your finger!