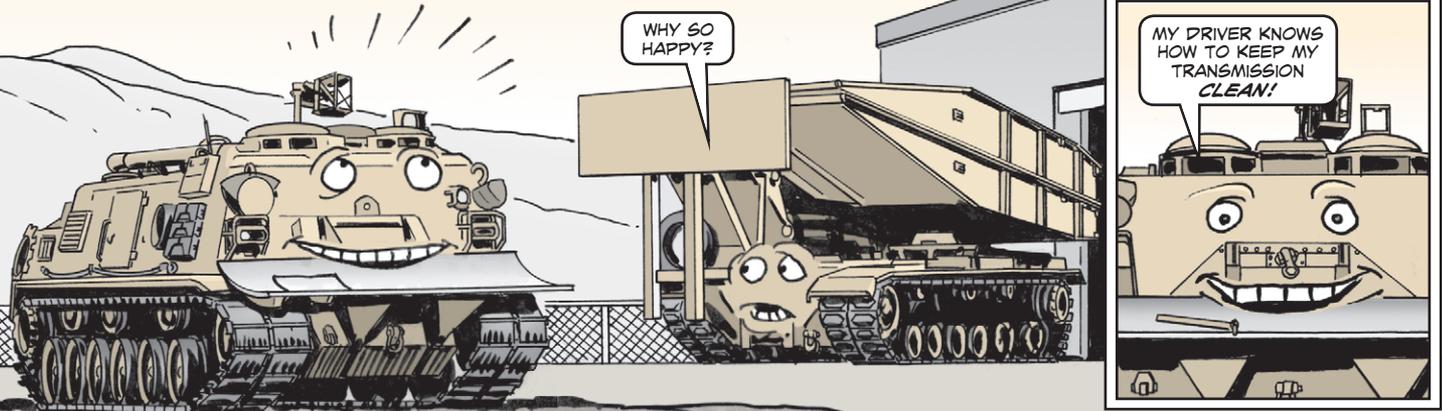


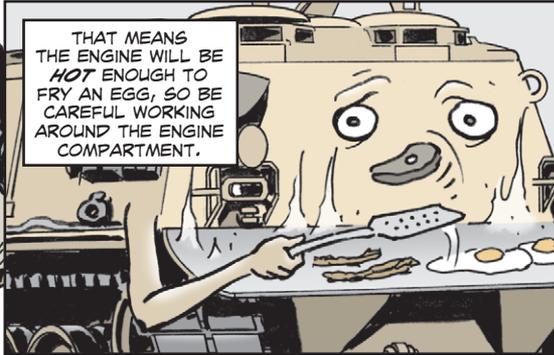
DOWN AND DIRTY WITH CLEAN PM



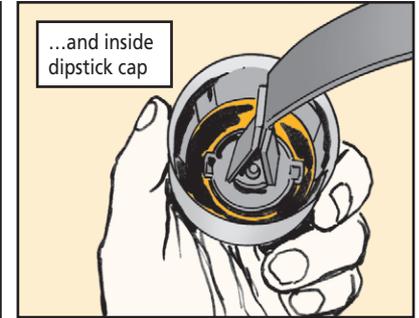
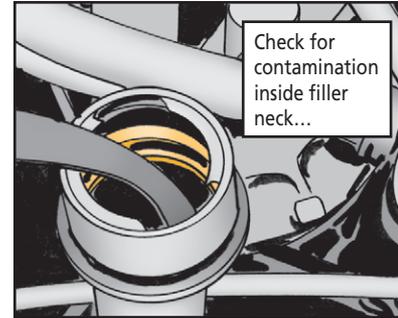
A clean engine and transmission makes for a happy vehicle, drivers. So it's up to you to keep that M88A1 or AVLB showing those pearly whites when it's time to check the oil level in the engine and tranny.

THOSE OIL LEVELS HAVE TO BE CHECKED AFTER EACH OPERATION.

THAT MEANS THE ENGINE WILL BE HOT ENOUGH TO FRY AN EGG, SO BE CAREFUL WORKING AROUND THE ENGINE COMPARTMENT.



1. Start the engine and run at 1,000 to 1,200 rpm until the engine temperature reaches operating range (140-240°F on the gauge).
2. At idle, pull the engine oil dipstick and wipe it. Before reinserting it, check the underside of the dipstick cap and the filler neck for contamination. If you spot any, wipe it out with a clean rag.
3. Reinsert the dipstick and pull again. The oil level should be up to the FULL mark. If it's low, add OE/HDO-30 (15°F and above), OE/HDO-10 (-10 to -40°F), or OEA (-65 to 0°F), or multi-grade OE/HDO 15W40.
4. Stop the engine. Wait three to five minutes.
5. Remove the transmission dipstick and wipe it clean. Again, you'll need to look for any contamination under the cap and in the filler neck. Clean out any you see.



6. Reinsert the dipstick, pull it again and check the oil level. If the engine has been running long enough for the temperature to reach 180-200°F, the oil level should be at or slightly above the FULL mark due to expansion.

Otherwise, it should be between the ADD and FULL marks. If low, you'll need to add OE/HDO-10 (or OEA if temps are below 0°F) until oil is visible. If you've converted your transmission to CAT oil, make sure you use CAT oil to bring it to the FULL mark. Do **not** use multi-grade oil in the transmission!

STE-M1/FVS Repair

Failed STE-M1/FVS components can be repaired by sending the failed component, along with your name and phone number, to:

**Team Armor Partnership (TAP)
Facility
Bldg 88037 (Oscar Waddell)
Corner of Clark/Logistics Lane
Ft Hood, TX 76544**

The components are inspected by the on-site repairman to determine what repairs are needed. You will be contacted by contract personnel from General Dynamics Land Systems (GDLS) to discuss repair prices and for a government credit card number for payment. Questions? Contact GDLS Field Service and Technical Support, (810) 825-7653. Or send an email to:

@gdl.com