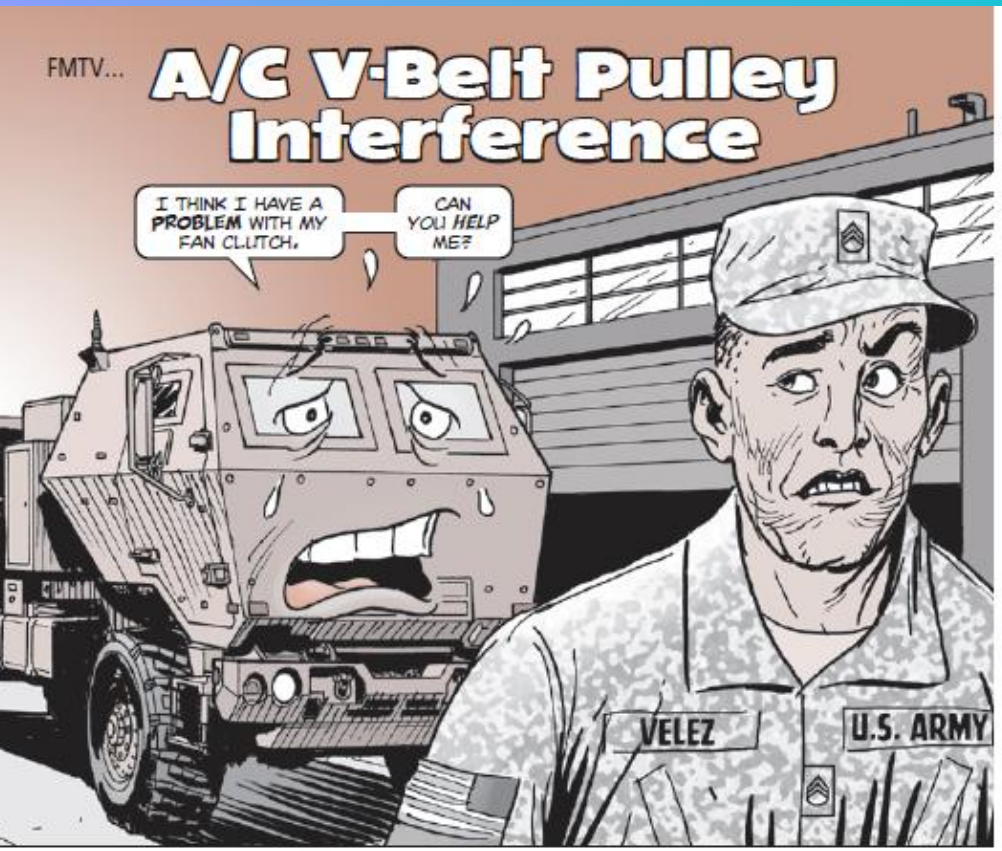
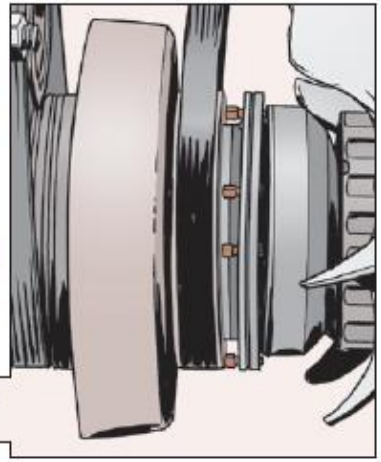
FMTV...

A/C V-Belt Pulley Interference



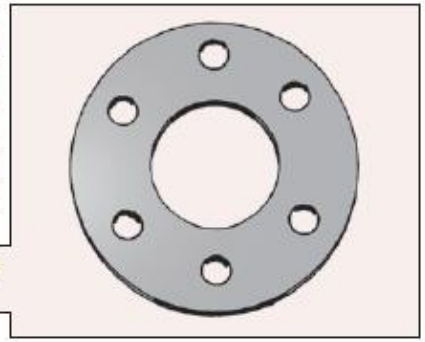
If your unit has FMTVP1, FMTVA1P1, FMTVA1P2, LVAD and HIMARS trucks with air conditioning, you may have a problem. There could be contact between the engine fan clutch bolts and the A/C V-belt pulley. The contact itself **doesn't** make your truck non-mission capable, though.

But the bad news is, depending on how much contact there is between the pulley and fan clutch, the fan clutch could fail or the fan clutch assembly could be damaged. And that **does** make your truck NMC.



Fan clutch retaining bolts with small clearance to A/C pulley can cause damage

The good news is a spacer plate is available through BAE Systems to **fix** this issue. The spacer plate provides more clearance between the fan clutch and A/C V-belt pulley. Use it if the fan clutch retaining ring bolts are worn and need to be replaced or if the fan clutch itself is damaged.



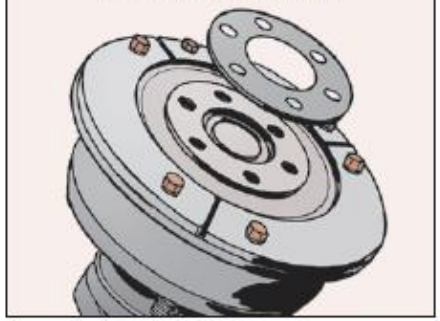
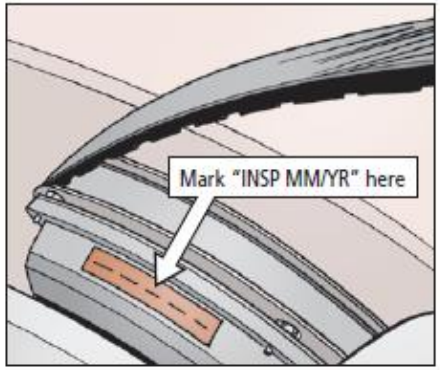
Fan clutch spacer plate, P/N GTS006001, provides extra clearance

Get Well Plan

See TACOM MAM 12-025 for complete fan clutch inspection and replacement instructions. It's available online:

https://tulsa.tacom.army.mil/SAFETY/message.cfm?id=MA12-025.html

Here's a summary of what you should do:

1. **Look for metal-to-metal contact from the fan clutch bolt heads to the face of the A/C pulley.**
2. **If you see any damage to the fan clutch, replace it and install the new spacer, PN GTS006001, on the new fan clutch. Refer to the TACOM MAM for details on how to get the spacer.**
3. **If the fan clutch retaining ring bolts are excessively worn and can't be tightened, replace the fan clutch and install the new spacer plate.**
4. **Undamaged or slightly worn retaining ring bolts with no other signs of damage to the fan clutch or A/C pulley can be tightened. Torque loose retaining ring bolts to 30 lb-in.**
5. **If you can't use this torque wrench method, use this alternate tightening method: Once the bolt is seated and the lock washer is compressed with no gap between the retaining plate and clutch, tighten the bolt with an additional $^1/_4$ to $^3/_8$ turn.**
6. **After inspecting and following these steps, use a paint pen to mark serviceable fan clutches: "Insp. Month/Year", for example, Insp. 12/12.**

Fan clutch retaining ring bolts may become loose due to contact and heat friction with A/C pulley