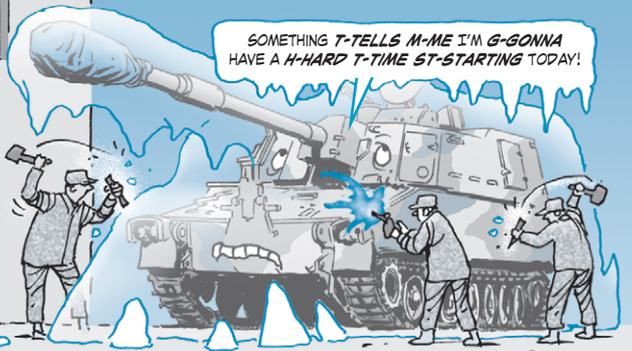


M109A6 Paladin...

A HOT START ON A COLD DAY



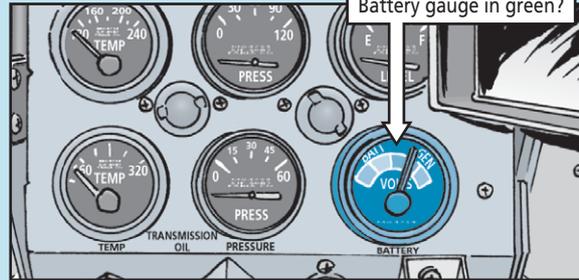
SOMETHING T-TELLS M-ME I'M G-GONNA HAVE A H-HARD T-TIME ST-STARTING TODAY!

DRIVERS, IF YOU DON'T START YOUR M109A6 PALADIN THE RIGHT WAY IN COLD WEATHER, YOU'RE GOING NOWHERE FAST.



Before You Start

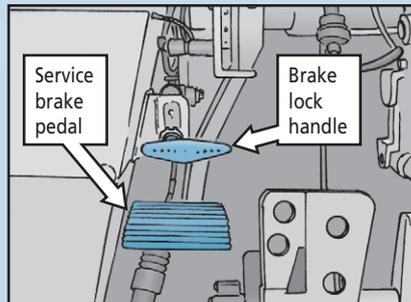
1. If you've been using the winterization kit, you must stop the heater before trying to start the engine.
2. Remove and secure all tarps.
3. Install the exhaust outlet plug.
4. Turn off the automatic fire control system and all radios.
5. Make sure the battery indicator gauge is in the green range. If not, charge the batteries.



Starting

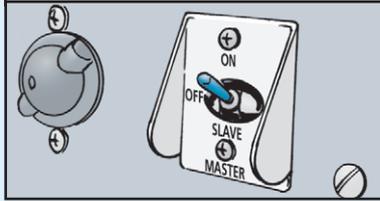
NOW YOU'RE READY TO START THE VEHICLE...

1. Press down on the service brake pedal, then pull out and down on the brake lock handle to set the brake.

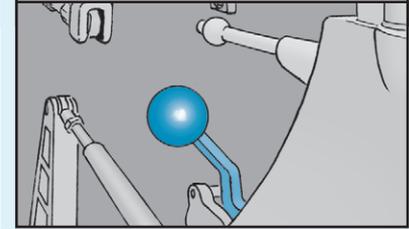


2. Shift the transmission into neutral.

3. Turn the MASTER switch to ON. The indicator lamp should light up.



4. Place the engine throttle in the full throttle position.

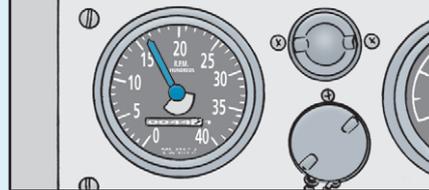


5. Move the GLOW PLUG switch to ON.

The glow plug WAIT lamp should come on and stay on.
6. After 35 seconds, when the WAIT lamp flashes on and off, move the STARTER switch to START. That will engage the starter.

Hold the STARTER switch to START for about two or three seconds, but for no longer than five seconds. And do not move the engine throttle.

- 7a. The engine starts and increases in speed. When engine speed reaches 1,500 to 1,800 rpm, reduce the throttle and hold engine speed to 1,200 to 1,500 rpm.



or...

- 7b. The engine fails to start. Wait 10 seconds and engage the STARTER switch again. If the engine won't start after four attempts, stop and call in your mechanic.

8. With the brakes still locked, set the throttle to 1,200 rpm and shift the transmission to fourth gear.
9. When the coolant temperature gauge reaches 120-140°F, shift into neutral and idle the engine. If the transmission temperature approaches 300°F during warmup, immediately shift to neutral until the temperature comes down to normal range.

10. Shift the transmission to first gear and drive the vehicle slowly forward about 100 yards. Be careful not to stall the engine. This step warms up the lubricants properly for normal operation.