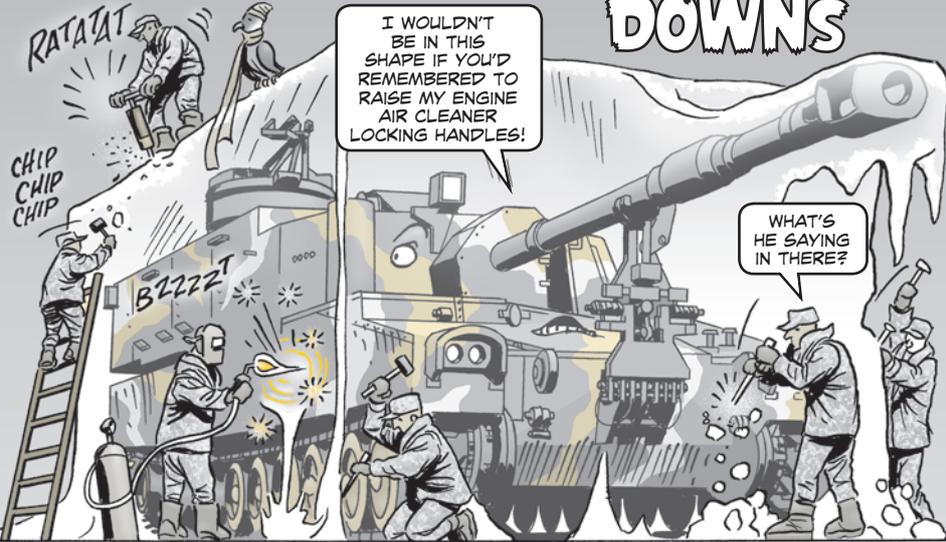


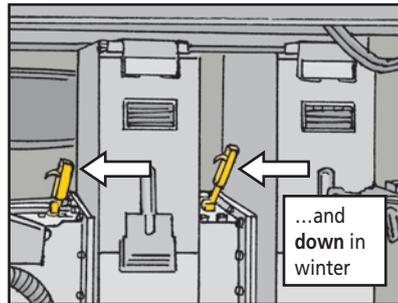
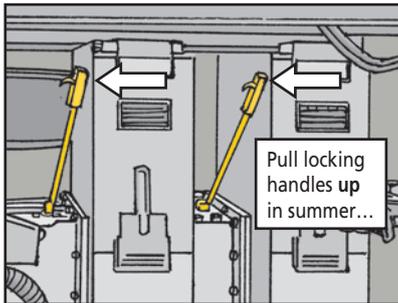
# AIR CLEANER UPS AND DOWNS



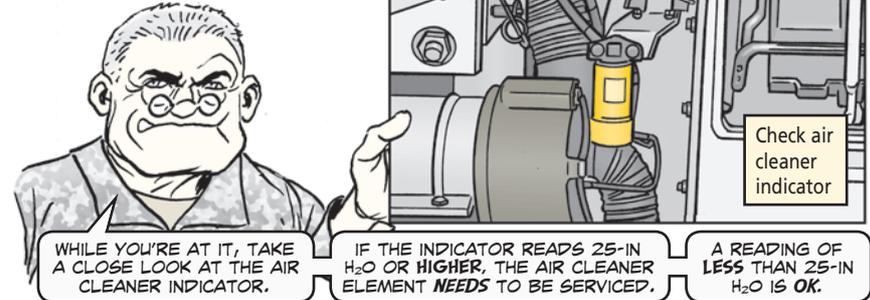
**W**hen the bottom drops out of the thermometer this winter, make sure your howitzer's air cleaners are set for the season.

The air cleaner locking handles need to be down and locked in their holders when the temperature is below 25°F. If you extend 'em, the air is too cold and your engine won't run properly.

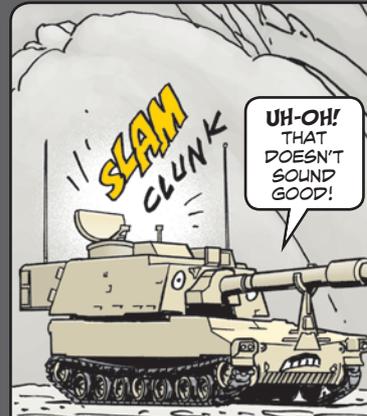
For intermediate temperatures (25-40°F), start the engine with the locking handles in the winter (down) position. Then, move the handles to the summer (up) position when the engine reaches operating temperature.



Remember, when temperatures climb above 40°F, you must put the handles in the up, extended position. Leaving the handles down during warm winter days—and especially during the summer—will overheat your engine and maybe burn up some valves.



# DON'T PUT CAM SCREWS AT STAKE!



If you hear that sound when closing the breech on your M109A6 Paladin, chances are the breech control cam has fallen off, crewmen.

The cam is held in place with two screws. The constant stress of closing the breech, especially during live fire, loosens the screws and allows the cam to break or fall off. That's why it's important to make sure the screws are installed properly.

Take a quick look at the screw heads. There should be two stake marks on each screw head. If you don't see the stake marks, the screws will come loose. Ask your mechanic to stake them properly. He'll follow the procedures on Page 4-108 of TM 9-2350-314-34-2 (Feb 99, w/Ch 4, Apr 08).

