

# LESSONS ON AIR PRESSURE

AIR PRESSURE IS ALL THAT MATTERS WHEN YOU START UP YOUR 250 CFM INGERSOLL-RAND AIR COMPRESSOR. WITHOUT AIR PRESSURE YOU CAN'T OPERATE POWER TOOLS.

HERE ARE SOME PM POINTERS THAT KEEP THE COMPRESSOR'S AIR PRESSURE UP TO SNUFF.

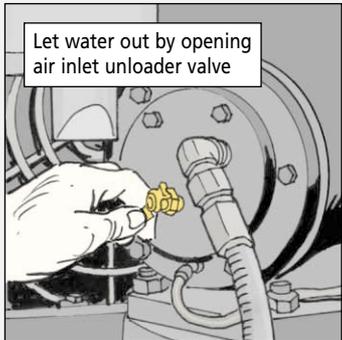


## Bust the Rust

The compressor's air inlet unloader valve has a nasty habit of clogging up with rust. That means there's no air pressure build up.

You can bust the rust problem by doing this once a week:

While the compressor is warming up (and before you push the service air button), drain the unloader valve assembly. This gets rid of water build-up in the system and prevents rust.



Let water out by opening air inlet unloader valve

## Rough Start Reminder

Cold weather plays havoc with the compressor, especially when the temperature drops below freezing.

So easy does it when you press the cold start button. If the compressor won't start after pushing the button a few times at 5-10 seconds each, stop and give the starter a rest.

The cold weather starter system has a fuel canister that automatically injects ether into the engine when you push the cold start button.

Chances are the ether canister is empty. Have your mechanic replace it.



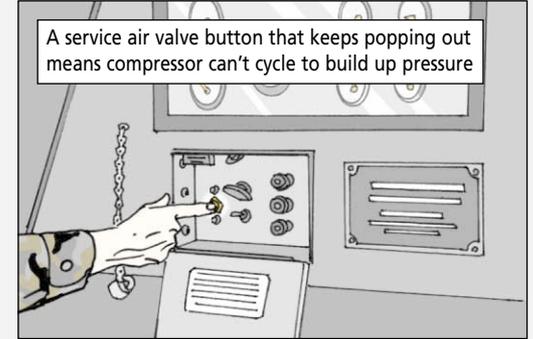
Hard starts in cold weather? Replace ether canister

## Regulator Valve Relief

Some motor pools still have air compressors that don't have the improved air silencer, NSN 4330-01-192-8269, in the pressure regulator valve.

These valves clog easily. When that happens, the compressor can't build up air pressure.

One sure way to tell if the regulator valve is clogged is to look at the service air valve's push button. A service air valve button that keeps popping out means the compressor can't cycle to build up pressure.



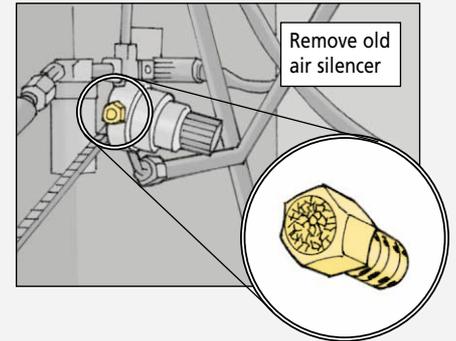
A service air valve button that keeps popping out means compressor can't cycle to build up pressure



THE VALVE WITH THE IMPROVED AIR SILENCER DOES A BETTER JOB. BUT IT'S A LITTLE TRICKY TO INSTALL THE SILENCER.

HERE'S WHAT TO DO...

1. Remove the old silencer with a 5/8-in tube wrench.
2. Loosen the tube fitting nut on the moisture filter using an 11/16-in tube wrench.
3. Turn the moisture filter by hand to about the 3 o'clock position. That gives you enough room to put in the improved air silencer.
4. Put two or three wraps of Teflon tape, NSN 8030-00-889-3534, on the threaded end of the silencer.
5. Screw in the silencer. Tighten it with a 3/4-in open-end wrench. Don't over-tighten or you'll crack the aluminum valve.
6. Turn the moisture filter assembly back to the 6 o'clock position. Retighten the tube fitting.



Remove old air silencer

Install improved air silencer, NSN 4330-01-192-8269

