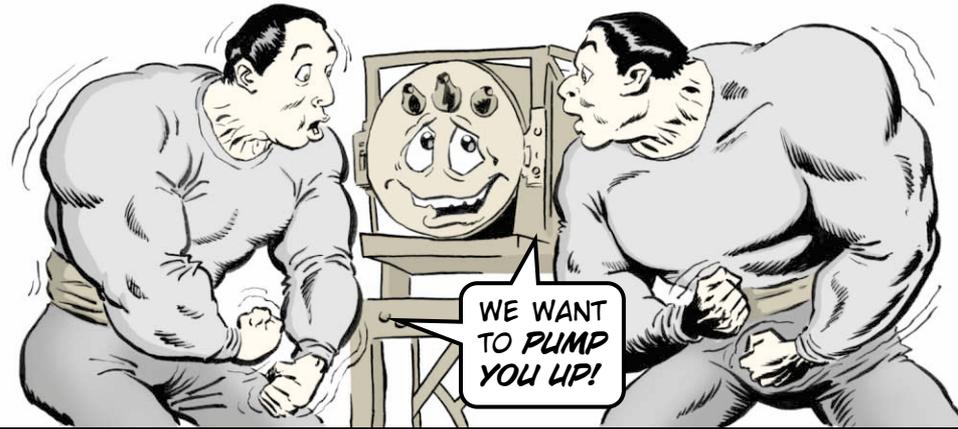


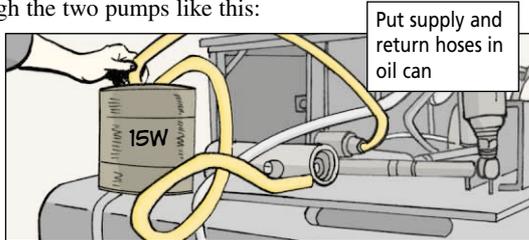
KEEP YOUR OIL PUMP PUMPED



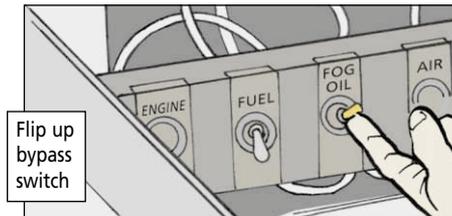
A fog oil pump that can't pump will surely stop an M157 from smoking. So, if you don't keep the pump pumped with PM, you and your M157 will soon be going cold turkey.

Most M157s sit for long periods without use. That lets corrosion form in the fog oil pumps and lock them up. If your M157 is going to sit for more than 20 days, run light oil—like 15W—through the two pumps like this:

1. Disconnect the fog oil pump supply and return hoses and stick them in the 15W oil container. That keeps 15W oil from getting mixed up with fog oil in the fog oil tank.



2. Remove the M157's equipment container right side panel and put the FOG OIL bypass switch in the up position. Turn on the control panel and flip the FOG OIL switch to RUN. You do not need to turn on the FUEL or ENGINE switches.



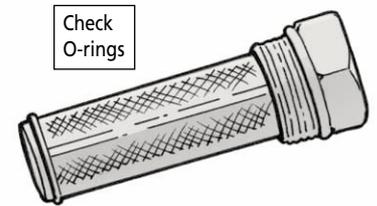
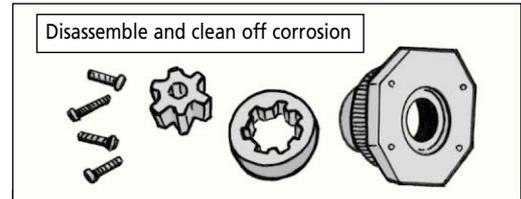
3. Run the pump for 2-5 minutes. Reconnect the supply and return hoses. Do the same procedure with the other pump. The oil protects the pumps from corrosion for 20 days. If you're still not smoking after 20 days, repeat the procedure.

If, despite your best efforts, a fog oil pump seizes in the field, don't try to free the pump by tapping it. That knocks corrosion loose that can score and ruin the insides of the pump. Trying to run a seized pump can also damage the pump motor.

Your repairman can take the pump apart like it says in Para 4-34 in TM 3-1040-279-12&P. He should clean out corrosion with clean rags, paying special attention to the gear rotor set. Then he needs to lubricate the parts with 15W oil before putting the pump back together.

If that doesn't get the pump pumping, you need a new pump.

Before you go to the field, make sure both fog oil pump strainers have O-rings and that they are in good shape. Without a good O-ring, strainers will leak. Your repairman can replace an O-ring with NSN 5331-00-835-8974.



M157 Smoke Generator Bulb

The NSN listed for the M157-series smoke generators' control panel bulbs in TM 3-1040-283-20&P is no good. The correct NSN for Item 9 in Fig C-3-1 is 6240-00-155-7836.