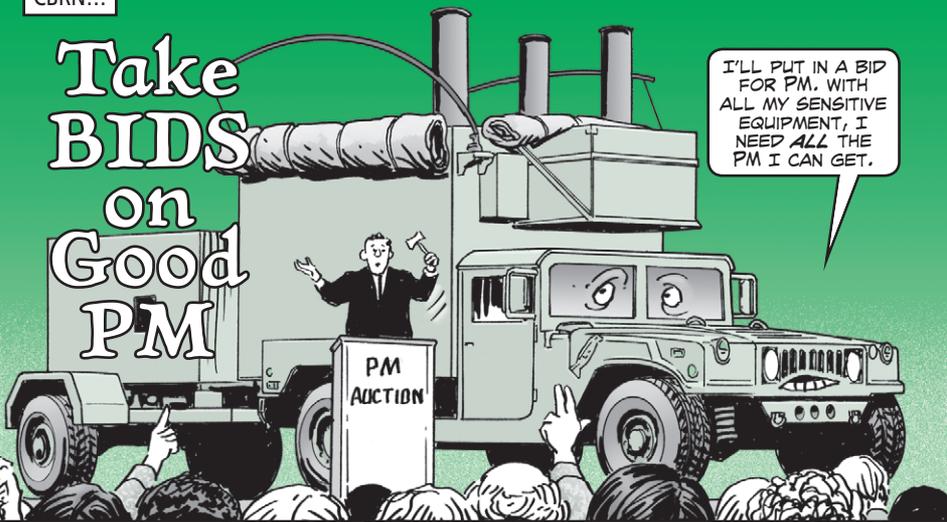


Take BIDS on Good PM



I'LL PUT IN A BID FOR PM. WITH ALL MY SENSITIVE EQUIPMENT, I NEED ALL THE PM I CAN GET.



THE BIDS (BIOLOGICAL INTEGRATED DETECTION SYSTEM) CAN DO AMAZING BIOLOGICAL DETECTION WITH ITS COLLECTION OF SOPHISTICATED EQUIPMENT.



OOH, THERE'S SOMETHING FOUL IN THE AIR!

BUT SOME OF THAT EQUIPMENT IS BOTH FRAGILE AND EXPENSIVE AND REQUIRES SENSITIVE CARE ON YOUR PART.

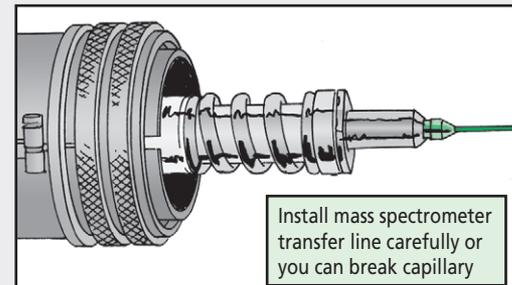


CAREFUL!

M31A1 Version

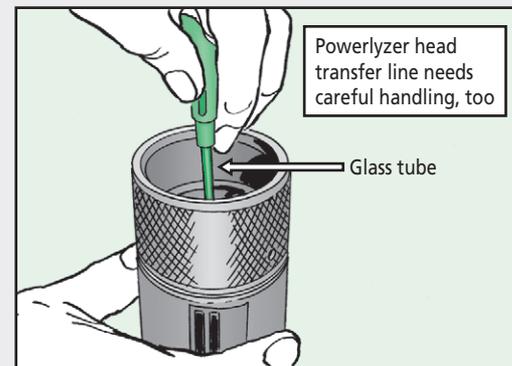
The transfer line for the mass spectrometer has a fine capillary that runs all the way through the line. If you handle the line roughly, count on breaking the capillary. That means the whole \$10,000 transfer line must be replaced.

Install the line very carefully, following the procedure in WP 014500 in TM 3-6665-350-12&P. If you've never put the line on before, get experienced help. Never try to force the line on. When the line is not connected, put on its protective cap to prevent damage to its tip.



Install mass spectrometer transfer line carefully or you can break capillary

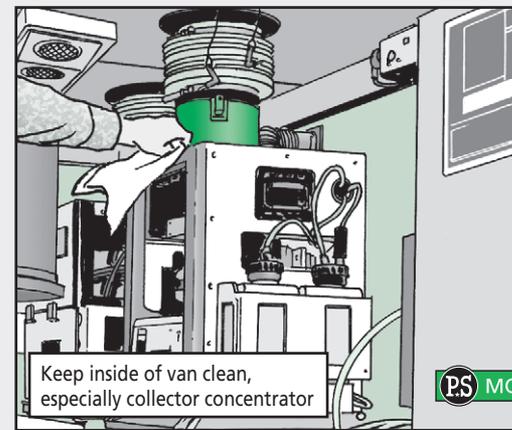
Also use care with the transfer line that goes in the powerlyzer head. The line has a glass tube that breaks easily if you're careless installing the line. If the tube does break, don't try to dig out the pieces with a screwdriver. That tears up the heater stage in the head, which costs \$1,600. Let your maintenance contractors take care of it.



Powerlyzer head transfer line needs careful handling, too

Glass tube

Keep the inside of the van as clean as possible and keep the door closed as much as possible. The more dirt that's inside the van, the more likely dirt will clog the air passages of the BIDS equipment and cause failures and bad readings. Vacuum inside the van and clean surfaces with towels and water. Pay special attention to the collector concentrator when you clean.

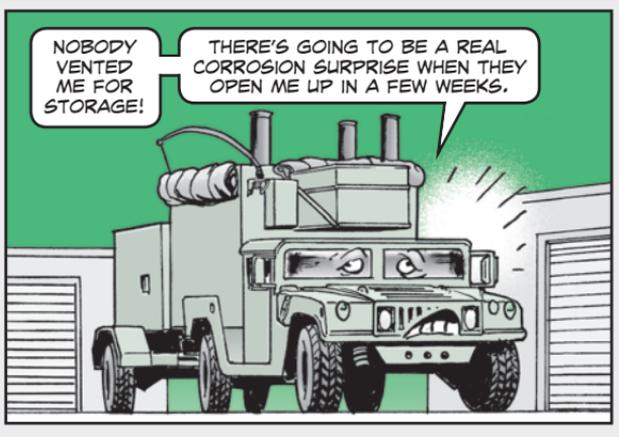


Keep inside of van clean, especially collector concentrator



Because some of the BIDS equipment uses bleach, it's very important to vent the van when you shut it up for storage. If the bleach fumes are trapped in the van they can cause big-time corrosion.

The best way to vent the van is to install the intake stack on top of the shelter.

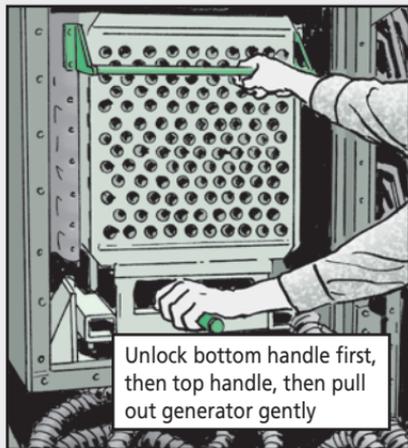


M31E2 JBPD5

When you pull out the generator, just tugging on the bottom locking handle doesn't unlock the generator. Sliding out the generator by yanking only on the bottom locking handle breaks the slide stops. You could end up pulling the generator completely off the van.

The correct way is to first lift up the bottom handle and, while holding the handle up with one hand, pull up on the top locking handle. Now the slide is completely unlocked. Gently pull out the generator until it locks in place.

See WP 0007 in TM 3-6665-350-12&P for more info.



Driving

Remember that both versions of BIDS are top-heavy. That means you must drive with extreme caution or you could turn over.

