



## Baltimore County Fire Department Logistics Division

### Service Bulletin

1/7/2019

### FOR RESERVE TRUCKS 91, 92 and 93

Reserve Trucks 91, 92 and 93 are all E-One HP-100 Tractor Drawn Aerials.

They are equipped with hydraulic generators and require weekly lubrication of the PTO shaft. The PTO shaft comes off of the transmission and runs parallel to the driver's side frame rail. There are 3 grease fittings (Zerk fittings) one forward, one mid and one on the rear of the PTO shaft. They are to be lubricated weekly during the Sunday check. The proper grease for this purpose is the red lithium multi-purpose grease that is available on a form 111 from the Equipment Maintenance parts room.

#### Tips for Greasing Zerk Fittings

- **Listen for the Crack:** When you grease Zerk fittings, listen for the crack. Once you have filled a void full of grease, the seals on either end usually make a crackling sound as they give way to let the overabundance of grease exit the joint.
- **Use Just Enough:** Don't overfill when you grease Zerk fittings. Usually three or four pumps of grease is enough and over-greasing a joint pushes grease out the aforementioned seals, which attracts dust, sand, and dirt. Contaminated grease can damage moving parts, so avoid having excess out the seals.
- **Keep them clean:** Carry a rag to clean off the Zerk after you grease. Again, exposed grease attracts dust, sand, and dirt. Avoid pushing contaminated grease into your fitting next time by cleaning it off when you grease.