



DATE: Jan 5, 2018
TO: E-ONE Customers and Dealers
FROM: Kevin Kearns, Customer Support Manager
SUBJECT: **Direction Change Enable on Freightliner Chassis**

Dear E-ONE Customers and Dealers,

E-ONE would like to make sure customers are aware of the proper operating sequence to engage the pump on their E-One truck built on a Freightliner® chassis.

Your Freightliner® chassis is equipped with an Allison® transmission. The behavior of the transmission depends on parameters defined in the Allison® controls software. One of these parameters is called Direction Change Enable (DCE). The purpose of the DCE parameter is to inhibit an unintended or inadvertent change in vehicle direction without application of the service brakes. DCE was set by Freightliner to be active on your chassis. When the function is active, the transmission control software will not allow a gear shift direction change (Reverse-to-Drive or Drive-to-Reverse), without application of the service brakes and as a result, the vehicle will not change direction and/or the pump will not engage.

It is important that your personnel are informed that the service brakes need to be applied when changing drive direction, so the transmission will allow engagement of the appropriate gear. This is especially important when initiating pump operations. **The driver must engage the service brakes when selecting Drive after the truck has been reversed.** Failure to do so will prevent the transmission from engaging any forward gear to drive the pump. The indicators in the cab and on the pump panel will indicate that all interlock conditions have not been met for pump operations to proceed. "Okay to Pump" will not be displayed. To resume normal pump operations, apply the service brakes, select Neutral, and then re-select Drive so 4th gear lock-up and "Okay to Pump" conditions can be achieved.

You also have the option to request your nearest Freightliner or Allison dealership to disable the DCE parameter. This option will not be covered by E-ONE warranty. Changing this parameter will not affect your warranty.

If you have any questions, please contact me at (352) 861-3361.

Regards,

Kevin Kearns
Customer Support Manager