



# Leak Testing VPS & Interlock SB-152

February 28, 2018

## Leak Testing Guidelines For VPS Shift Cylinders and Interlock Connections

Hale Vehicle Mounted Pumps using a G-series gearbox often use the optional air shift and the optional shift interlock. The air shift cylinder and interlock are tested at the factory for leakage, however they should also be checked after installation in the vehicle to make sure damage from shipping or handling does not impact proper operation.

There are different methods technicians may use to check the installed equipment. An effective method involves soapy water in a spray bottle. Spray the VPS, fittings, and interlock connections with soapy water. No bubbles or leakage should be detected. This check should be done in both pump and road positions. Make sure the vehicle air brake system is up to full pressure. Use caution to follow all applicable safety procedures such as turning the engine off and using wheel chocks.

Refer to FSG-PL-01457 (Revision H or higher), which notes the use of a soap water solution to check air connections for leaks among other installation information.

In addition, make sure the air brake tube is cut squarely on the end and is free from burrs and deformities that might lead to a cut o-ring and potential leak.

The 5/16" fasteners that hold the valve in place should be torqued to 10-11 ft-lb.

Bubbles indicate an air leak at the air inlet connection on interlock valve assembly



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