



Groeneveld Brake Appliance Counter (BAC) Replacement with Lubecore Trailer Timer

In the field we see a lot of opportunity to service Groeneveld systems that have a seized or leaking brake appliance counter. This bulletin explains how we can replace the Groeneveld BAC with a Lubecore Trailer Timer (LTT). The BAC is next to the pump body, usually to the right of the pump. The LTT is mounted on a special plate, part #40.012. The benefit of replacing the BAC with an LTT is that you will always have consistent lubrication no matter where the trailer is used, in the city or on the highway.

Steps to Install the LTT

Locate and identify the BAC. Disconnect all air lines.

1. Only the emergency air pressure feed is required on the LTT. The Air Signal line is to be plugged or, disconnected from the trailer system. Remove BAC & bracket.



Mount the LTT and bracket to the pneumatic pump using the mounting bolts of the pump. Connect

2. emergency air to top inlet in LTT. The bottom outlet is to be connected to the bottom port in the pneumatic pump, as before.



Hard to see, but ports are labeled 'in' <top> and 'out' <bottom>

3. Power cable enters timer through bottom of housing. This can be used as reference point, Air out at bottom.



Front view of installed LTT.

4. **Please note:** Take caution when installing a vent line fitting into the side of the Lubecore timer. Support Brass fitting with a second wrench.



5. Example: Pump & Timer on Bulk Trailer.



6. Locate ABS power cable on trailer. At a cable junction nearest the LTT, insert the ABS Power Tee. If required, use extension cables pictured to bring power to LTT. Plug and play connections require no wire splicing.
Optional: Timer can be wired into nose cone or electrical box located inside trailer frame.

