

MERITOR WABCO

Technical Bulletin

Air Reservoir Drain Procedure

Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

How to Obtain Additional Maintenance and Service Information

This bulletin contains the suggested air reservoir drain procedure which should be performed on a daily basis. Refer to Meritor WABCO Maintenance Manual 34, System Saver Series Single Cartridge Air Dryers, or Maintenance Manual 35, System Saver TWIN Air Dryer, for complete maintenance information. Technical publications for all Meritor WABCO products are available on our website:

www.meritorwabco.com

If you require technical assistance, contact our Customer Service Center at 800-535-5560.

Service Information

To help keep the vehicle's air dryer functioning at maximum efficiency, Meritor WABCO recommends that you check the vehicle's air system reservoirs for water accumulation on a daily basis. This check can be performed at the end of each driving shift. Most likely, the vehicle manufacturer has the same recommendation.

WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip and fall over. Serious personal injury and damage to components can result.

Remove all pressure from the air system before you disconnect any component, including the desiccant cartridge. Pressurized air can cause serious personal injury.

1. Begin with the supply reservoir. With the air system under normal operating pressure, momentarily open the drain valve and watch for evidence of moisture, i.e., a spray or droplets.
 - **If there is no evidence of moisture:** Close the valve.
 - **If moisture is detected:** Repeatedly open the drain valve for short periods of time, several seconds at most, until moisture is no longer visibly ejected from the reservoir. Wait several seconds between each opening to allow moisture to flow back to the drain valve area inside the reservoir. Once nothing is detected, close the drain valve and go on to the next reservoir.
2. If during the process of trying to eliminate all moisture from the reservoir, the air pressure drops to ZERO, leave the valve open for several seconds, then close it. The likelihood of draining additional moisture by leaving the valve open is negligible.
3. Repeat this process with all remaining reservoirs.

This procedure is intended to remove all liquid from the reservoir without completely draining the air. The less the air compressor and air dryer have to work to refill the system, the more efficiently the air dryer will function. Completely refilling the whole air system volume every day puts an unnecessary moisture load on the air dryer, which will require additional purge and regeneration cycles in order to reach a stabilized dryness condition.

If there is excessive moisture in the air system on a daily basis, one or all of the following procedures may be necessary.

- Check the system for air leaks.
- Replace the vehicle's air dryer desiccant cartridge.
- Evaluate the vehicle application to determine that the correct components have been used.

MERITOR WABCO

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Printed in USA

TP-0575
Issued 08-05
(16579/24240)