

MERITOR WABCO

Technical Bulletin

Temporary 1200 Plus Air Dryer Bypass 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

If you have any questions about the material covered in this publication, or for more information about the Meritor WABCO product line, please contact the OnTrac Customer Service Center at 866-OnTrac1 (668-7221) or visit our website, meritorwabco.com.

Introduction

If the air dryer were to malfunction in a way that the air compressor cannot build up pressure within the system and the air dryer cannot be immediately repaired, a temporary bypass of the air dryer may be required. The bypass is a short term remedy only until the vehicle can make it to a repair facility and either have the air dryer repaired or replaced. Long term use of the vehicle with the air dryer bypassed could result in excessive moisture build up in the air system.

Service Procedures

Before performing service, carefully read and follow all outlined procedures.

WARNING

To prevent serious eye injury, always wear 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.

Open drain valves on all reservoirs to remove all pressurized air from the air system before you disconnect any component. Pressurized air can cause serious personal injury.

Bypass Procedure

1. Wear safe eye protection.
2. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
3. Drain the entire air system. Open all of the drain valves on all of the reservoirs.
4. Ensure that all residual pressure has been released and the air dryer has been drained to 0 psi. Then, remove the air supply line from the compressor to the inlet port.
5. Remove the air line from the dryer discharge port.
6. Install a T-fitting into the discharge port. Figure 1.

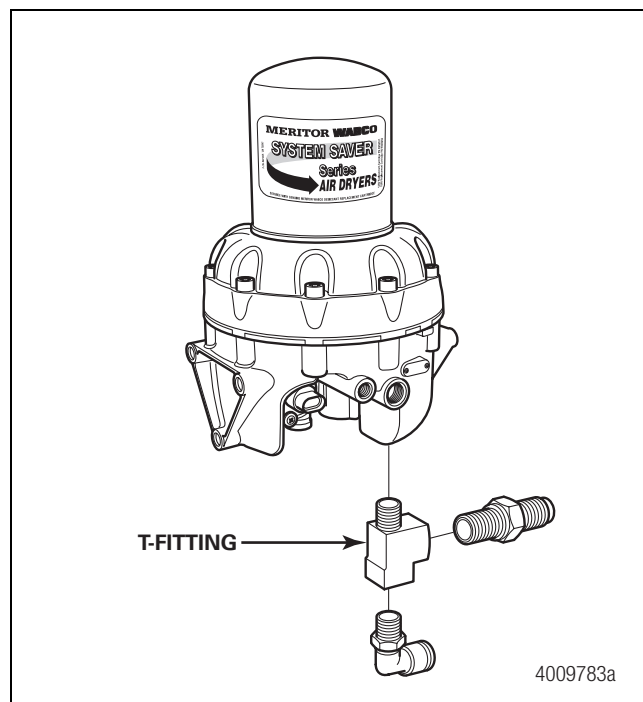


Figure 1

7. Using the original fittings, reinstall the discharge line in one of the branches of the T-fitting.
8. Using the original fittings, install the air supply line into the remaining T-fitting port.
9. Charge the system to cut-out pressure and use a soap solution to test the T-fitting for air leaks. The vehicle may then be returned to temporary service.

CAUTION

This is a temporary bypass of the air dryer, and full repair of the unit must be carried out at the earliest opportunity. Long term use of the vehicle with the air dryer bypassed could result in excessive moisture build up in the air system.

Drain Air Reservoirs Daily Until Repairs are Completed

CAUTION

Long term use of the vehicle with the air dryer bypassed could result in excessive moisture build up in the air system.

Once the air dryer is removed, contaminants will enter the air system. Therefore, you will need to manually drain the reservoirs daily until the repairs are completed.

1. At end of each working day, park the vehicle and slowly drain pressure through the drain valves. Leave the valves open to the atmosphere for several hours if possible.
2. When repairs are completed, be sure to check that all reservoirs (including the air dryer) are emptied of all contaminants.

MERITOR WABCO

Meritor WABCO Vehicle Control Systems

2135 West Maple Road
Troy, MI 48064-7121 USA
866-OnTrac1 (668-7221)
meritorwabco.com

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