

MERITOR WABCO

Technical Bulletin

Replacing a Bendix AD9 Air Dryer with a System Saver 1200 Plus Air Dryer

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

Refer to Maintenance Manual 34, Meritor WABCO System Saver Series Single Cartridge Air Dryers. To obtain this publication, visit Literature on Demand at arvinmeritor.com. Meritor WABCO publications are also available on our website:

www.meritorwabco.com

How to Obtain Kits

Contact the OnTrac Customer Service Center at 866-668-7221.

System Saver 1200 Plus Air Dryer Kit

The kit includes the following parts.

Quantity	Description
1	System Saver 1200 Plus air dryer
1	Adapter bracket (for use when replacing the Bendix AD9 air dryer)
3	1/2" bolts
3	1/2" lock washers
4	3/8" bolts
4	3/8" flat washers
4	3/8" lock washers
4	3/8" nuts

Replacement Procedure

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.

Release all air from the air systems before you remove any components. Pressurized air can cause serious personal injury.

1. Wear safe eye protection.
2. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
3. Open the drain valves on the system reservoirs and allow the reservoirs to empty completely.
4. Disconnect the inlet hose, outlet hose, signal line and heater electrical connector from the air dryer.
5. Remove the mounting bolts and remove the Bendix AD9 air dryer.

NOTE: The System Saver 1200 Plus air dryer has two mounting surfaces to provide the best orientation of the air dryer for hose connections.

6. Determine which mounting surface on the System Saver Plus air dryer provides the best orientation for the installation of the hoses. Place the supplied bracket onto the selected surface. Install the lock washers and the 1/2" bolts. Tighten the bolts to 52 ± 2 ft-lb (70 ± 3 N•m). 

7. Position the System Saver 1200 Plus air dryer with the bracket onto the existing vehicle bracket on which the Bendix AD9 air dryer was mounted. Secure the air dryer to the bracket using the supplied 3/8" hardware. Tighten the fasteners to 30 ± 2 ft-lb (40 ± 3 N•m). 
8. Install the hose fittings to the System Saver 1200 Plus air dryer. You may choose to reuse the hose fittings from the Bendix AD9 air dryer or install new hose fittings. Orientate the fittings to provide easy connection to the air lines.
9. Connect the compressor discharge line to port 1 on the System Saver 1200 Plus air dryer.
10. Connect the air dryer outlet line from the system reservoirs to port 21 on the bottom of the System Saver 1200 Plus air dryer.
11. Connect the signal line from the governor to port 4 of the System Saver 1200 Plus air dryer.
12. Connect the heater electrical connector to the System Saver 1200 Plus air dryer.
13. Start the vehicle. Allow the system to build pressure and check for leaks. If any leaks are found, repair as necessary.
14. Test the vehicle brakes before you return the vehicle to service.

MERITOR WABCO

Meritor WABCO Vehicle Control Systems
2135 West Maple Road
Troy, MI 48084-7121 USA
800-535-5560
meritorwabco.com

Information contained in this publication was in effect at the time the publication was approved for printing and is subject to change without notice or liability. Meritor WABCO reserves the right to revise the information presented or to discontinue the production of parts described at any time.

Copyright 2010
ArvinMeritor, Inc.
All Rights Reserved

Printed in USA

TP-09133
Issued 03-10
(16579/22882)