



Installation Instructions

BENDIX AD-9®, AD-IP® and AD-IS® AIR DRYER EXHAUST COVER KITS

Air Dryer Exhaust Cover Kit Contents		
Item No.	Description	Qty.
1	Exhaust Cover	1
2	Gasket	1
3	Screws	See illustration

KIT PIECE NO. 5003838
FOR BENDIX® AD-9® AIR DRYER

KIT PIECE NO. 5011327
FOR BENDIX® AD-IP® (SHOWN) OR
BENDIX® AD-IS® AIR DRYERS (NOT SHOWN)

Figure 1 Exhaust Cover Kit Contents

GENERAL SAFETY GUIDELINES

! WARNING! PLEASE READ AND FOLLOW THESE INSTRUCTIONS !
TO AVOID PERSONAL INJURY OR DEATH:

When working on or around a vehicle, the following guidelines should be observed **AT ALL TIMES:**

- ▲ Park the vehicle on a level surface, apply the parking brakes and always block the wheels. Always wear personal protection equipment.
- ▲ Stop the engine and remove the ignition key when working under or around the vehicle. When working in the engine compartment, the engine should be shut off and the ignition key should be removed. Where circumstances require that the engine be in operation, **EXTREME CAUTION** should be used to prevent personal injury resulting from contact with moving, rotating, leaking, heated or electrically-charged components.
- ▲ Do not attempt to install, remove, disassemble or assemble a component until you have read, and thoroughly understand, the recommended procedures. Use only the proper tools and observe all precautions pertaining to use of those tools.
- ▲ If the work is being performed on the vehicle's air brake system, or any auxiliary pressurized air systems, make certain to drain the air pressure from all reservoirs before beginning ANY work on the vehicle. If the vehicle is equipped with a Bendix® AD-IS® air dryer system, a Bendix® DRM™ dryer reservoir module, or a Bendix® AD-9si™ air dryer, be sure to drain the purge reservoir.
- ▲ Following the vehicle manufacturer's recommended procedures, deactivate the electrical system in a manner that safely removes all electrical power from the vehicle.
- ▲ You should consult the vehicle manufacturer's operating and service manuals, and any related literature, in conjunction with the Guidelines above.
- ▲ Never exceed manufacturer's recommended pressures.
- ▲ Never connect or disconnect a hose or line containing pressure; it may whip. Never remove a component or plug unless you are certain all system pressure has been depleted.
- ▲ Use only genuine Bendix® brand replacement parts, components and kits. Replacement hardware, tubing, hose, fittings, etc. must be of equivalent size, type and strength as original equipment and be designed specifically for such applications and systems.
- ▲ Components with stripped threads or damaged parts should be replaced rather than repaired. Do not attempt repairs requiring machining or welding unless specifically stated and approved by the vehicle and component manufacturer.
- ▲ Prior to returning the vehicle to service, make certain all components and systems are restored to their proper operating condition.
- ▲ For vehicles with Automatic Traction Control (ATC), the ATC function must be disabled (ATC indicator lamp should be ON) prior to performing any vehicle maintenance where one or more wheels on a drive axle are lifted off the ground and moving.
- ▲ The power **MUST** be temporarily disconnected from the radar sensor whenever any tests USING A DYNAMOMETER are conducted on a Bendix® Wingman® Advanced™-equipped vehicle.

This kit is intended for use in installing an exhaust cover at the purge valve of a Bendix® AD-9® air dryer (Bendix kit piece number 5003838), or Bendix® AD-IP® or AD-IS® air dryers (Bendix kit piece number 5011327).

VEHICLE PREPARATION

1. Park the vehicle on a level surface and prevent movement by means other than the brakes.
2. Drain all reservoirs to 0 psi (0 kPa).
3. Clean the exterior of the air dryer.

DISASSEMBLY

General

1. If replacing an extended exhaust cover, remove and discard the mounting screws(3), exhaust cover(1) and gasket(2).
2. For AD-9 air dryers without an extended cover, remove and discard the purge valve screws(3) and washers. Do not remove the purge valve.
3. Clean the air dryer end cover.

ASSEMBLY

1. Note the mounting screw arrangement of the exhaust cover and verify the kit is the proper one for the air dryer being serviced.
2. Install the gasket(2), exhaust cover(1) and exhaust cover screws(3).
3. For Bendix AD-IP and AD-IS air dryers (Bendix kit piece number 5011327) torque the exhaust cover screws to 15–25 in-lbs.
4. For the Bendix AD-9 air dryer (Bendix kit piece number 5003838) start all three (3) screws by hand and then torque to 50–80 in-lbs.

OPERATIONAL TEST

Before restoring vehicle to service, bring the air brake system up to full operating pressure. Check that there is a full, unobstructed discharge of air when the air dryer purges.

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