

The Bendix® Dryer Reservoir Module with a Bendix® AD-IS® Air Dryer



A New Standard in Design & Quality.

Featuring:

- A long-life Bendix® AD-IS® air dryer, incorporating the performance and quality of our popular AD-9® air dryer.
- A simple spin-off dryer cartridge for easy service. An enhanced performance Bendix® PuraGuard® oil coalescing cartridge is available for service replacement.
- Streamlined air piping with a lot less potential leak points.
- Long lasting, integral pressure protection valves to protect each brake circuit. No reservoir check valves required.
- More brake reserve with higher brake system air pressure (up to 135 psi).
- No separate wet tank needed, thanks to our integrated reservoir system.
- Lighter weight – reduced by 16 pounds – due to an efficient engineering design combining several components into one assembly.
- **Reliable, top-performing genuine Bendix® quality.**



Congratulations, your new vehicle is equipped with a Bendix® Dryer Reservoir Module (DRM™) featuring a Bendix® AD-IS® Air Dryer.

IMPORTANT SYSTEM PERFORMANCE NOTES

SYSTEM CHARGE SEQUENCE

The Bendix® DRM™ module has an integrated reservoir, air dryer and valve system. This means that when the air pressure in the system builds from zero, the order in which the reservoirs fill is much different than a traditional three(3) reservoir system. Observe the pressure gauges of the vehicle as system pressure builds from 0 psi. The primary reservoir gauge rises until it reaches about 110 psi, then the secondary reservoir begins to build. As the secondary reservoir builds initial pressure to approximately 55 psi – then to approximately 85 psi – a sequence of two pressure protection valves open, supplying the vehicle accessories. At about 110 psi, both primary and secondary reservoirs charge, simultaneously, until governor cut-out is reached.

BRAKE CIRCUIT PROTECTION

During operation (engine running), if one circuit sustains damage causing rapid depressurization, initially both reservoir air pressure gauges will fall; however, the Bendix® AD-IS® air dryer pressure protection valves will maintain up to 100 psi in the surviving circuit. The system may allow vehicle operation; however, with reduced braking capability until a repair facility is reached.

ROADSIDE INSPECTIONS

The Bendix® AD-IS® air dryer design advancements mean that, in the event of a roadside inspection (with the system charged to governor cut-out and the ignition turned off) when one reservoir drain cock is opened, initially both reservoir gauges will fall. The AD-IS® air dryer pressure protection valves, however, will close at pressures at or above 70 psi, protecting the remaining brake circuit from further loss of pressure.



MAINTENANCE INTERVALS

In general, Bendix recommends that maintenance checks be made every 900 operating hours; 25,000 miles; or three(3) months, whichever comes first (see warranty publication BW1715 for details). **Important:** Review the warranty policy before performing any intrusive maintenance procedures. Because no two vehicles operate under identical conditions, maintenance and maintenance intervals will vary. Experience is a valuable guide in determining the best maintenance interval for any one particular operation. See the Service Data Manual for more information (SD-98-9808).

SERVICE REPLACEMENT PARTS

When servicing, note that standard AD-IS® air dryers or air dryer cartridges may be serviced with PuraGuard® oil coalescing air dryers or cartridges, however, PuraGuard® oil coalescing air dryers or cartridges must only be serviced with like replacements. For service part information refer to the Bendix Quick Reference Catalog (BW1114) which is available online at www.Bendix.com for order or download.

TAG WARRANTY

The Bendix® Total Air Guarantee (TAG) limited warranty covers Bendix air system components installed as original equipment on the vehicle for three(3) years or 350,000 miles. See Warranty (publication BW1716) for full details – restrictions apply.

