

Technical Bulletin

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Subject: AD-2 AIR DRYER CAUTION NOTE UPDATE

In addition to the caution notes printed in the AD-2 Service Manual and Installation Instruction Sheets the following procedures must be adhered to before servicing the AD-2 Air Dryer.

Failure to do so could result in personal injury.

1. Drain all reservoirs completely.
2. Loosen the air line to the control port of air dryer and allow the trapped air to escape to atmosphere. After the air escapes, remove the control line from the air dryer.
3. Loosen the delivery line from the delivery port or outlet of the air dryer. After the pressure drops, remove the delivery line. Loosen the delivery check valve from this port to relieve any trapped air above the desiccant plate assembly.
4. Remove any exhaust silencers or the exhaust check valve cover from the base of the air dryer. Using a hex socket and wrench, loosen the purge valve assembly and allow any trapped air to escape. Slowly unscrew the purge valve and remove it.
5. Check all ports to insure that air is not trapped in the air dryer by powdered desiccant material.

Air Dryer End Cover Removal Procedure

Warning - The AD-2 Air Dryer cartridge contains a high spring load. When replacing the AD-2 Air Dryer cartridge or performing any maintenance requiring end cover removal follow the procedure outlined below.

End Cover Removal

Review all caution notes in the Service Data Manual, Instruction Sheets and those listed above.

1. Loosen the three cap screws on the end cover and turn the retaining clamps aside (cap screws may be left finger tight).
2. Locate the notch in the air dryer shell. While pushing the end cover up into the dryer, insert the blade of a screwdriver in the notch and slowly pry out the retaining ring. If the cartridge bolt has loosened the cartridge spring may exert a force on the end cover retaining ring making removal of the retaining ring and end cover difficult. This spring force will prohibit the end cover moving up into the dryer shell when pushed up.
Warning: This same force can also cause the end cover to come out of the air dryer shell unexpectedly during the removal process. Exercise extreme caution to prevent bodily injury.
3. Do not stand or lay directly under the end cover while servicing. Assure adequate clearance between the end cover and other surfaces to prevent hand injury if the end cover dislodges rapidly during removal.
4. Proceed with maintenance procedures.

AD-2 Air Dryer

