

	Form Title:	ENGINEERING BULLETIN	Document #: EB-01-17 <small>(Form: DEF-003A-1)</small>
			Revision: 2
	Document Title:	Issue With Leaking Air From Master Control On Betts Air Distributor	Date: Nov. 2017
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Description of Bulletin: This bulletin addresses the issue of leaking air from the master control assembly of the Betts air distributors. This affects the Air Commander style air distributors with part numbers AD14PP_ALFS and AD14PH_ALFS.

Background/Details:

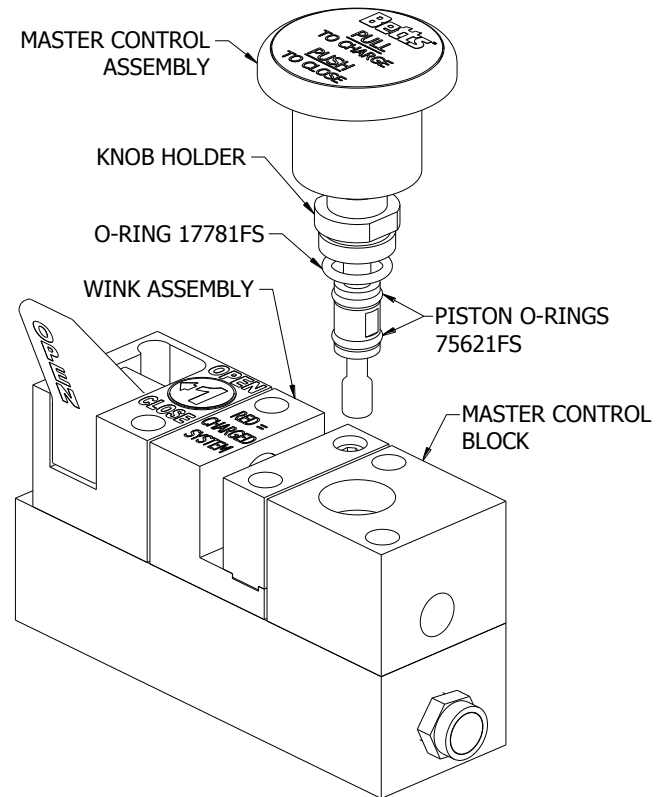
Problem: Air leaking out the master control assembly when in the closed position.

Cause: If the master control assembly includes a piston with two O-rings, a gap under the knob holder can allow the upper O-ring to extrude and tear.

Solution: A temporary modification to existing Air Commanders made before Oct. 2017 is to add an O-ring (part number 17781FS) under the knob holder to fill the extrusion gap.

Bulletin Instructions:

1. Remove the master control assembly by unscrewing the knob holder from the master control block.
2. Inspect both O-rings on the master control piston. If damaged, removed and inspect the piston O-ring grooves for damage. Replace master control assembly if required.
3. Replace O-ring(s); part number 75621FS.
4. Inspect bore on master control block for debris or chips and clean as needed. If bore is damaged, replace master control block.
5. Position O-ring 17781FS over the piston and below the knob holder as shown.
6. Apply low temperature lubricant to the piston O-rings and removable thread lock to the knob holder threads.
7. Carefully reassemble the master control assembly to the master control block, being careful that O-ring 17781FS goes into position in the master control block.
8. Tighten the knob holder to approximately 90 in-lbs.



Note: O-ring 17781FS is also used in the wink assembly.

If there are any questions, contact Betts Sales or Design Engineering Department.