



8800/9800 series planter installation



**Deitering Engineering
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Kit contents

- EZ-Air adjustment box
- Shaft coupler
- 3 mm hex Allen Wrench
- 2 of 5/16 x 3-1/2" grade 5 bolt
- 2 of 5/16 lock washers
- 4 of 5/16 flat washer
- Power wire Tee Harness

Tools required

- 3/8" standard wrench
- 3 mm Hex Allen Wrench – provided with kit
- 1/2" standard wrench or socket
- 2 of 13 mm wrench or socket

Prior to beginning

- Make sure your air pressure on your meter units is set to approximately 2-1/2" of water column pressure as indicated on your gauges with seeds in the seed plates. This is important to get the shaft of the flow control device set to its average height since the shaft moves in and out some as you increase and decrease pressure.



Operational Notes/Troubleshooting

- If for some reason, the device quits working, you can manually adjust your air pressure by loosening the clamping screw on the coupler on the motor end and then turn the coupler with your fingers – thus adjusting the flow control and air pressure up and down
- When pressing the buttons on the remote key fob and the pressure does not appear to be changing, verify that the motor shaft is not turning inside the coupler by looking between the gap of the EZ-Air mounting box and the shaft coupler.
- The bore diameter on the motor/shaft coupler has a slightly different bore on each end. The motor end is slightly smaller diameter than the valve shaft end. When reassembling make sure to get the smaller end on the motor or you will not be able to clamp the coupler on the motor and the coupler will also not fit over the flow meter adjustment shaft.
- The blue wire that is installed into the third location of the weatherpak connector is an antenna wire only. It is purely in this location for it to be held in place and not get caught anywhere. No power feed or ground wires should be plugged into this location.
- With installation of the EZ-Air's, you can then move the pressure gauges towards the hitch for easier viewing from the cab of the tractor.
- Connect the spare LH & RH key fobs together and keep in a known location preferably out of the tractor. Recommend your desk drawer or place you hang your equipment keys.

Installation

1. Using a 3/8" wrench and remove the adjustment knob. Hold the black adjustment knob to prevent the flow control shaft from turning from its preset rate indicated above. This will keep the air pressure setting at the approximate place it was from last season.
2. Remove the black plastic adjustment knob from the adjustment shaft.



3. Using the 13 mm wrenches – remove both of the 8 mm bolts holding the flow control valve to the mounting bracket.

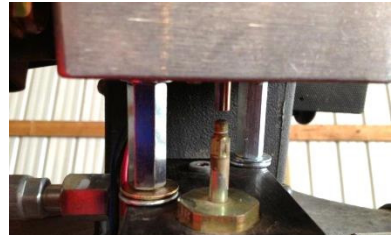


4. Place both the mounting hardware and the adjustment knob and nut in a known location so if you ever need to reinstall the adjustment knob you can.

5. Set the adjustment box on top of the valve with the stand-offs over top where the bolts you removed would secure it down. Verify that there is approximately 1/8" to 3/16" clearance between the motor shaft and flow control adjustment shaft. **Note: It is critical you get your air pressure set to its average (about 2-1/2" of water column) as mentioned above prior to checking this gap.** If there is not the gap indicated, use the included 5/16" flat washers between the standoffs and valve body to get the appropriate gap.



Verify Gap



Add washers if more gap is needed

6. Remove the device from on top of the flow meter and slide the coupler onto the shaft of the flow meter. *Note: The bore diameter on the motor/shaft coupler has a slightly different bore on each end. The motor end is slightly smaller diameter than the valve shaft end. When reassembling make sure to get the smaller end on the motor or you will not be able to clamp the coupler on the motor and the coupler will also not fit over the flow meter adjustment shaft.*
7. Install the lock washer and flat washer on the 5/16" X 3-1/2" bolts and insert the bolt from the bottom of the valve so the threaded portion of the bolt sticks out the same side as the flow meter adjustment shaft.
8. Install the appropriate amount of flat washers as determined in step 5 onto the bolts to achieve the desired gap.
9. Set the device back on top of the valve and begin securing down by threading the 5/16" X 3-1/2" bolts into the standoffs with the appropriate amount of flat washers between the standoffs and the valve as determined in step 5 to achieve the desired gap. At this point, leave the 5/16" X 3-1/2" bolts loose.

10. Slide the coupler up to align the motor shaft to the valve adjustment shaft and secure down the clamping screw on the flow meter shaft side of the coupler. Be careful not to over tighten and strip the threads.
11. Visually align the motor coupler so it is not flexed one direction severely. Then tighten the 5/16" X 3-1/2" bolts to secure the EZ-Air down.
12. Start you hydraulics and get seed in your seed meter plates again and verify you still have the desired average pressure as determined in step 6. If needed use your fingers and turn the coupler, thus turning the valve shaft to get back to the desired average.
13. Tighten the clamping screw of the coupler onto the motor shaft. Be careful not to over tighten and strip the threads.
14. Connect the red wire to a 12 volt source and ground the black wire. The blue wire is an antenna only and does not need to be connected to any external source
15. For planters that are hydraulic drive and you have purchased the DBI-EZAIR-8000TH Tee harness, find the harness with the three pin weatherpak connector that plugs into the shaft speed sensor of the hydraulic drive. (This is most often near the hydraulic motor)
16. Unplug the shaft speed sensor on your hydraulic drive and plug the T-harness in line with the short wires.
17. Plug the long end of the included T-harness into the air pressure adjustment box.
18. Using your remote key fob, test the system by pressing the increase/decrease button and verify the pressure gauge changes.
19. Identify which key fob controls you LH and RH drive and install the included stickers on both RH's and both LH key fobs.

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The EZ-Air is covered by an 18 month warranty due to manufacturer defects and failures. Warranty will be voided for the following reasons:

- You have used the EZ-Air for uses not intended or designed for
- Any voltage source other than a 12 volt DC source is used
- Removal of the cover from the EZ-Air will void the warranty
- Failure to fill out and send in the warranty registration slip

In order to be covered by EZ-Air's full warranty, please fill out the warranty registration information below, tear this sheet off, apply postage and return address and send to the address on the back side.

Name: _____

Mailing address: _____

City, State, Zip _____

Phone: _____

Model of Planter _____

Serial number of EZ-Air: _____

5 digit number on "Warranty Void" label

Dealer Name: _____

Dealer City: _____ State: _____

Return Address:

Affix
Postage
Here

Deitering Bros., Inc
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