

Link Belt Information

Dirty Filter Sensor Calibration

Dirty Filter Sensor - Senses fan compartment suction increase, which then actuates a dirty filter warning light. Sensor requires field calibration after initial system start up. This is accomplished by shutting off the unit, placing a cardboard block-off in front of the filters to simulate dirty air filter condition. The filter sensor is then adjusted until it actuates the warning light after the unit is restarted with block-off in place. The unit is then shut off and the block-off is removed. Access panels are reinstalled and the unit is restarted. The actuator light should remain off until the filters become dirty.

I. HOW TO MEASURE

Pull belt tight around sheaves to check hand tight length, overlapping the last two tabs with two holes in matching links, as shown at right.

Count the number of links and remove one link for every 24 of Q/D/L, A/M/L and B/S/L Sections, and one link for every 20 of C & D Sections.

This gives the correct installed belt length and will ensure optimum belt tension when running. **NOTE:** Every tenth link is designated with an arrow.



II. DISASSEMBLY



1. Hold belt upside down. Bend back as far as possible; hold with one hand. Twist one tab 50° parallel with slot.

2. Pull end of link over tab.

3. Rotate belt and with tab 90°.

4. Pull belt and through two links.

III. ASSEMBLY



1. Hold belt with tabs pointing outward.

2. Place end tab through two links at once.

3. Flex belt further and insert second tab through end link by holding tab with thumb.

4. Ensure tab returns to position across belt. Reverse belt so tabs run inside.

IMPORTANT - TURN BELT INSIDE OUT
(As shown) To Ensure Easy Assembly and Disassembly

Direct Drive Parts List - ERV-500, ERV-1000

Part Number	Description	Quantity	Part Number	Description	Quantity
1	Bearing Support	2	14	Outer Housing	1
2	Energy Recovery Wheel	1	15	Insulation Cover	4
3	Cassette Face	1	16	Intake Duct Flange	4
4	Cassette Assembly Top/Bottom Panel	2	17	Discharge Duct Flange	2
5	Wheel Drive Belt	1	18	Discharge Duct Flange	4
6	Energy Recovery Wheel Motor	1	19	Blockoff Panel	2
7	Filter	2	20	End Panel	2
8	Cassette Side Panel	2	21	Optional Low Voltage Control Panel	1
9	Gusset	4	22	Door Latch	2
10	Hinge	2	23	Blower Motor	2
11	Door Latch Keeper	2	24	Blower Housing Mounting Bracket	2
12	Access Door	1	25	Blower Housing	1
13	Hanging Channel	2			

Filter Size

Size	Quantity	Filter Size
500	2	16 x 20
1000	2	16 x 25

All dimensions in inches.

