

Installer's Guide

Customer Property:
Contains service information.
Please retain.

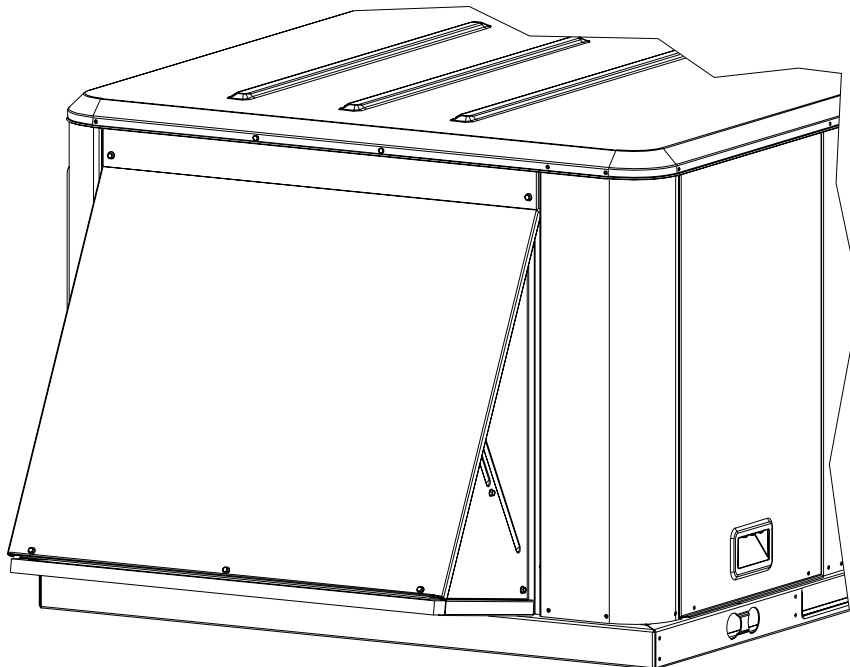
ACC-SVN01B-EN

Library	Service Literature
Product Section	Unitary
Product	Unitary Accessories
Model	Econ)., Dmpr., Motors, etc.
Literature Type	Installer's Guide
Sequence	B
Date	November 2005
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Supersedes	SV-UN-ACC-SVN01A-EN 11/02

Models : BAYDMPR053B
Used With: T*C033-063A*, TSC060BDK, TSC/YSC036E-060E
Y*C033-063A*, YSC060BDK
WSC036-060A*, WSC060BDK, WSC036E-048E

BAYDMPR056B T*C072-120A*, TSC072-120BDK
Y*C072-120A*, YSC072-120BDK
WSC060E, WSC072-120A*, WSC072-090BDK

**0-50% Manual
Outside Air Damper**



⚠ WARNING – Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION – Indicates a situation that may result in equipment or property-damage-only accidents.

Installation - Field Installed

Note: This instruction covers installation of BAYDMPR053B (T/W/Y036-060 units, except WSC060E), (T/Y033-063 units) and BAYDMPR056B (T/W/Y072-120 and WSC060E units)

Uncrate the damper and locate all parts shown in Figure 1.

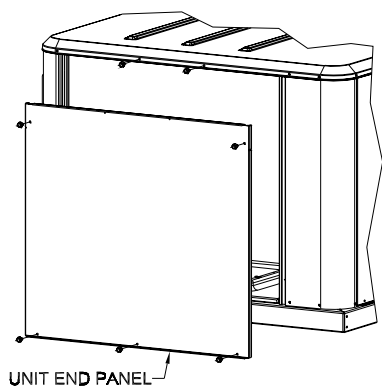
Parts List

- 1 – RH Side Panel
- 1 – LH Side Panel
- 1 – Rear Panel
- 1 – Sliding Baffle
- 1 – Sealing Bracket
- 1 – Mist Eliminator
- 9 – Screws
- 1 – Gasket

⚠ WARNING
Hazardous Voltage!
 Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

1. Remove end panel from unit. Refer to Figure 1. Lay panel paint side down onto the unfolded box and packaging material in which the manual damper came to prevent scratching.

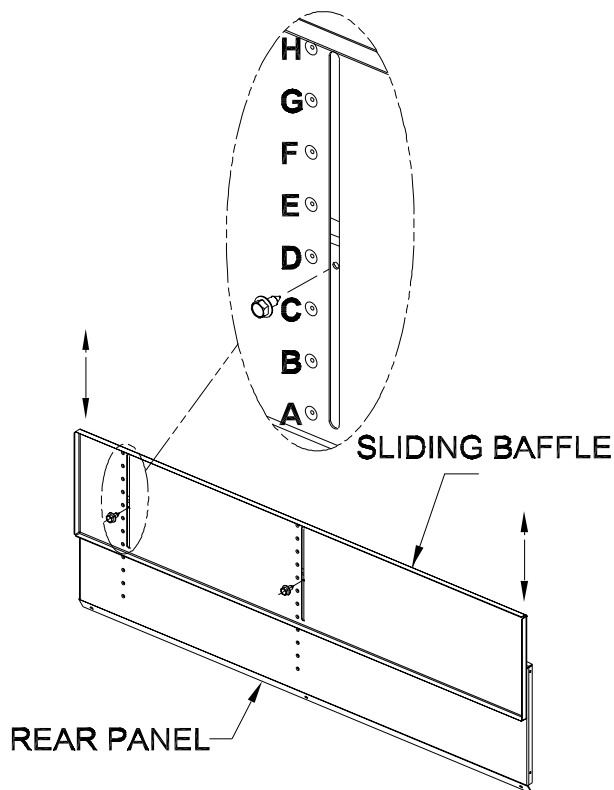
Figure 1



2. Select the damper position based on unit tonnage and airflow desired from Table 1. Position the Sliding Baffle on the Rear Panel by aligning the screw hole in the Rear Panel with the selected damper positioning dimple in the Sliding Baffle and secure as shown in Figure 2.

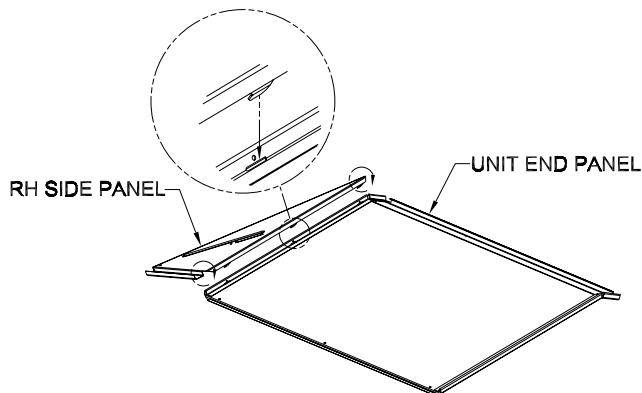
(Example: The building return static pressure measures negative 0.1" for a YSC036 unit and you would like 400 CFM of fresh air; Table 1 indicates to select position "D", therefore position the sliding baffle such that the screws line up with the forth dimple in the sliding baffle.)

Figure 2



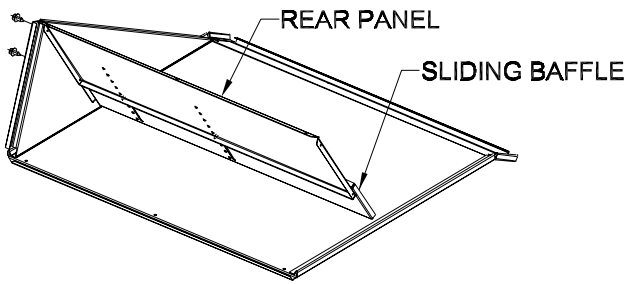
3. Position the RH Side Panel by aligning the three tabs with the slots on the unit end panel. Refer to Figure 3.

Figure 3



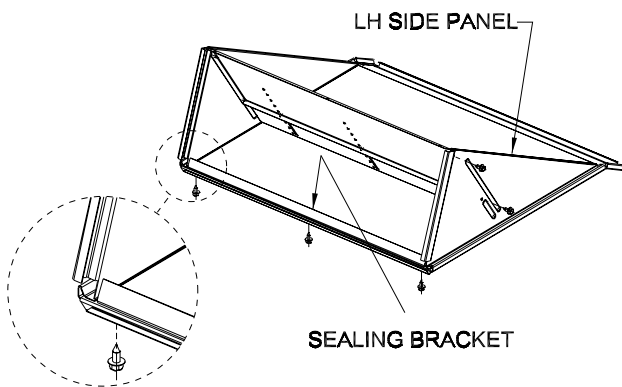
- Position the Rear Panel/Sliding Baffle assembly and rotate the RH Panel in place. Insert two screws. Refer to Figure 4.

Figure 4



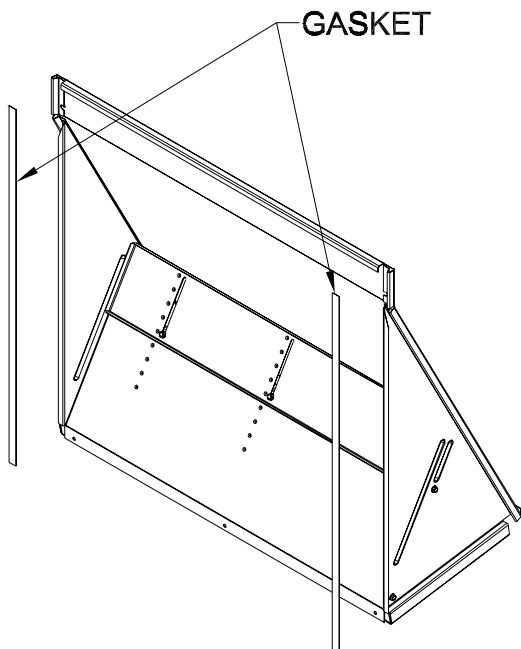
- Position the LH Panel by aligning the three tabs with the slots on the unit end panel as in Step 2. Rotate in place and insert two screws to connect the LH Side Panel to the Rear Panel. Attach the Sealing Bracket to the Unit End Panel using three screws. Refer to Figure 5.

Figure 5



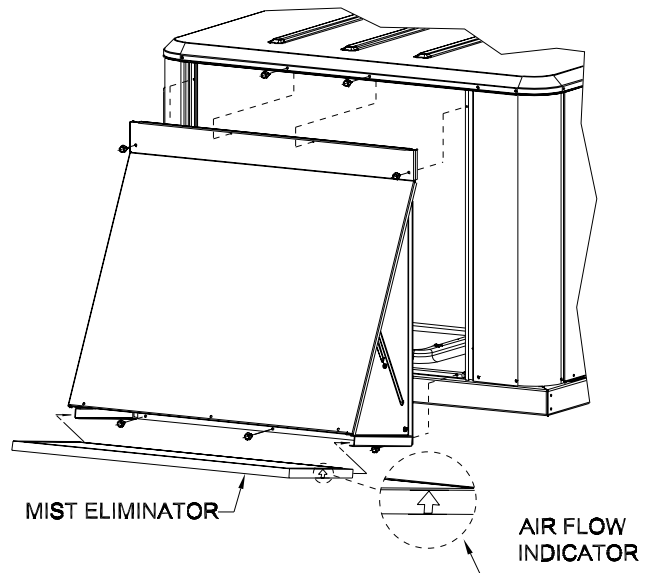
- Apply gasket to flanges of side panels. Align the edge of the gasket with the outside edge of the side panel flanges. Refer to Figure 6.

Figure 6



- Install damper assembly onto the unit. Insert Mist Eliminator by sliding it in the filter channel located on the side panels (be sure the arrows on the Mist Eliminator point in the direction of airflow). Refer to Figure 7.

Figure 7



WARNING **Live Electrical Components!**

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

Note: Measure the full load amps of the supply fan motor. If the amperage exceeds the motor nameplate value, system CFM may be too high. Make the necessary adjustments to lower the motor amperage to the nameplate value by re-adjusting the fresh air damper or adjusting the fan RPM.

Table 1
Fresh Air CFM vs. Return Static Pressure

**TSC036, THC033, THC036,
 YSC036, YHC033, YHC036, WSC036**

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	80	100	120	140	170	200	240
B	200	240	300	360	420	490	570
C	310	410	510	610	***	***	***
D	410	540	***	***	***	***	***
E	520	***	***	***	***	***	***

**TSC048, THC043, THC048,
 YSC048, YHC043, YHC048, WSC048**

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	80	100	120	140	170	200	240
B	200	240	300	360	420	490	570
C	310	410	510	610	710	800	890
D	410	540	700	860	***	***	***
E	520	700	***	***	***	***	***

**TSC060, THC060, THC063,
 YSC060, YHC060, YHC063, WSC060A**

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	80	100	120	140	170	200	240
B	200	240	300	360	420	490	570
C	310	410	510	610	710	800	890
D	410	540	700	860	980	1100	***
E	520	700	900	1080	***	***	***

TSC072, THC072, YSC072, YHC072, WSC072, WSC060E

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	260	340	430	520	600	670	740
B	400	520	650	780	910	1040	1160
C	540	720	900	1080	1250	***	***
D	690	920	1150	***	***	***	***
E	860	1160	***	***	***	***	***
F	1060	***	***	***	***	***	***
G	1290	***	***	***	***	***	***
H	***	***	***	***	***	***	***

**TSC090, THC090, YSC090, YHC090, WSC090
 TSC102, THC102, YSC102, YHC102, WSC102**

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	260	340	430	520	600	670	740
B	400	520	650	780	910	1040	1160
C	540	720	900	1080	1250	1420	1580
D	690	920	1150	1380	1580	1770	***
E	860	1160	1450	1700	***	***	***
F	1060	1400	1720	***	***	***	***
G	1290	1700	***	***	***	***	***
H	1530	***	***	***	***	***	***

TSC120, THC120, YSC120, YHC120, WSC120

DAMPER POSITION	RETURN STATIC - INCH W.G.						
	-0.10	-0.20	-0.30	-0.40	-0.50	-0.60	-0.70
A	260	340	430	520	600	670	740
B	400	520	650	780	910	1040	1160
C	540	720	900	1080	1250	1420	1580
D	690	920	1150	1380	1580	1770	2000
E	860	1160	1450	1700	1950	2200	***
F	1060	1400	1720	2020	***	***	***
G	1290	1700	2100	***	***	***	***
H	1530	1970	***	***	***	***	***