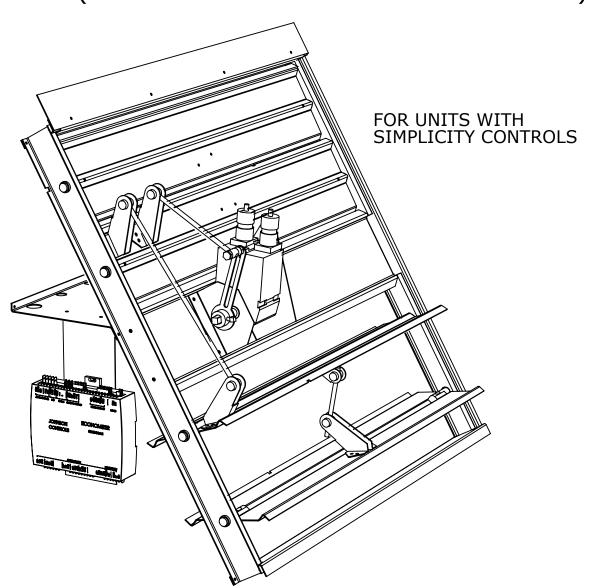
HVAC Accessories and Engineered Systems

INSTALLATION INSTRUCTIONS FOR

3 - 6 TON SUNLINE SERIES ECONOMIZER
ULTRA LOW LEAK (MEETS IECC-2015 & ASHRAE 90.1-2016)



READ COMPLETELY BEFORE INSTALLING!!!

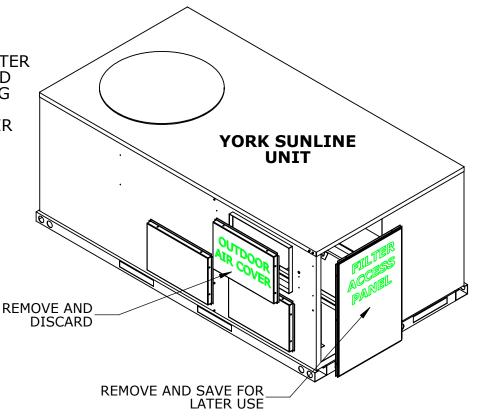
CAMBRIDGEPORT IS NOT RESPONSIBLE FOR IMPROPERLY INSTALLED EQUIPMENT

3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

Cambridgeport

STEP 1

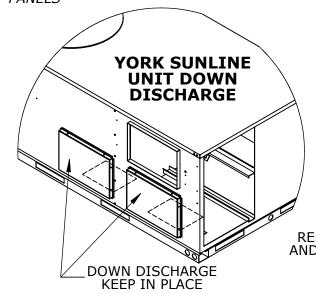
REMOVE AND **SAVE** THE FILTER SECTION ACCESS PANEL AND CORRESPONDING MOUNTING SCREWS. REMOVE AND **DISCARD** THE OUTDOOR AIR OPENING COVER. SAVE ALL MOUNTING SCREWS FOR LATER USE.



STEP 2

CONFIGURE UNIT PANELS BASED ON AIR DISCHARGE APPLICATION (EITHER SIDE DISCHARGE OR DOWN DISCHARGE).

FOR DOWN DISCHARGE KEEP SIDE SUPPLY AND RETURN PANELS INSTALLED AND REMOVE UNIT FLOOR DUCT OPENING PANELS FOR SIDE DISCHARGE: REMOVE UNIT SIDE PANELS AS NEEDED AND USE THEM TO COVER FLOOR OPENINGS



REMOVE SIDE PANELS AND RE-USE TO COVER FLOOR DUCT

PAGE 1 OF 9

CAMBRIDGEPORT

8 Fanaras Drive Salisbury, MA 01952 Tel: 1-800-648-2872 Fax: 978-517-5002

OPENINGS

DESIGNED, BUILT, AND DELIVERED RIGHT EVERY TIME

3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

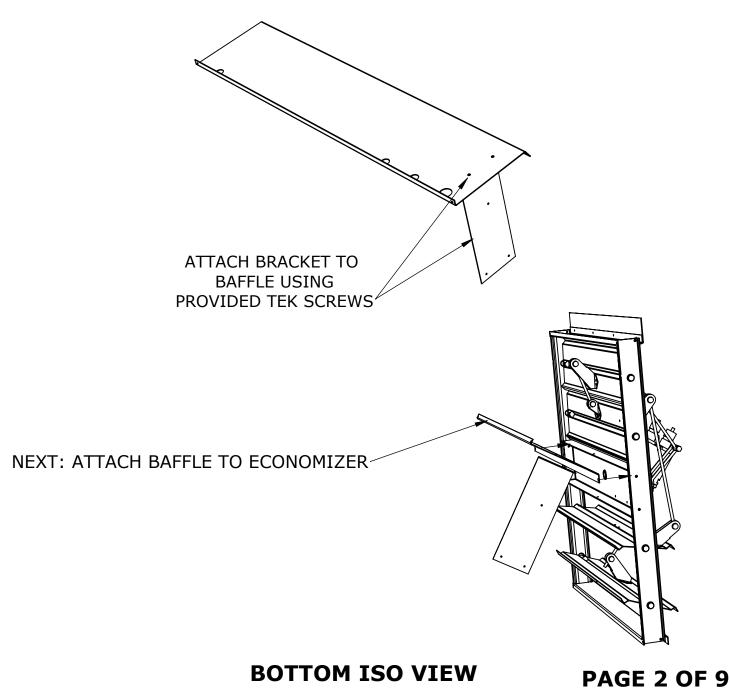
Cambridgeport

STEP 3

ASSEMBLE DAMPER DIVIDER: FIRST, MOUNT SE ECONOMIZER MODULE BRACKET TO PRE-DRILLED HOLES IN DIVIDER BAFFLE

ATTACH DIVIDER BAFFLE TO ECONOMIZER AS SHOWN IN PRE-LOCATED HOLES USING (2) #10 TEK SCREWS PROVIDED BY CAMBRIDGEPORT.

ENSURE BAFFLE IS LOCATED IN CORRECT POSITION AND ORIENTATION ON DAMPER BLADE ASSEMBLY.



Tel: 1-800-648-2872

Fax: 978-517-5002

DESIGNED, BUILT, AND DELIVERED RIGHT

EVERY TIME

8 Fanaras Drive

Salisbury, MA 01952

CAMBRIDGEPORT

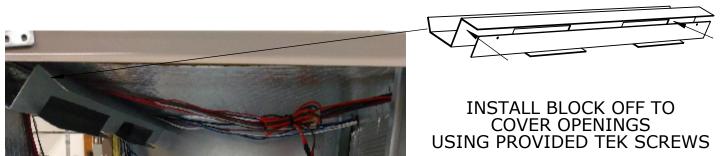
3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

Cambridgeport

STEP 4

PREPARE CABINET FOR ECONOMIZER. FIRST INSTALL FILTER RACK BLOCK OFF PANEL USING TWO TEK SCREWS AS SHOWN. NEXT, UNPLUG S/A SENSOR (BLUE WIRES) AND R/A SENSOR (BLK/WHT WIRES). LASTLY, CUT ZIP TIES TO FREE FACTORY WIRING AND REMOVE AIR FILTERS FROM UNIT

TOP FILTER RACK



CUT ZIP TIES

REMOVE FILTERS

UNPLUG SENSORS

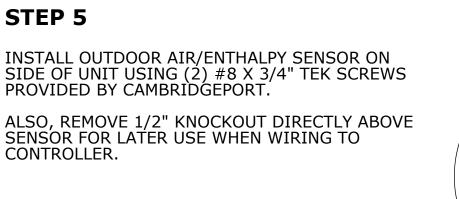
BOTTOM ISO VIEW

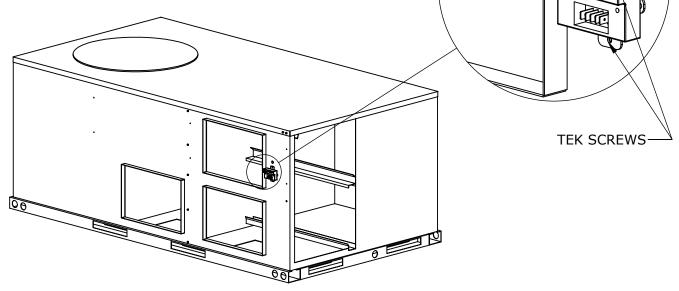
PAGE 3 OF 9

3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

Cambridgeport

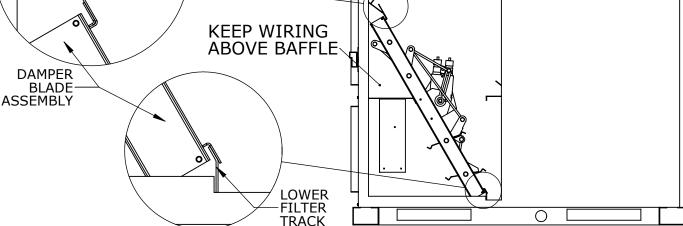
1/2" KNOCKOUT







STEP 6



PAGE 4 OF 9

CAMBRIDGEPORT

UPPER

8 Fanaras Drive Salisbury, MA 01952 Tel: 1-800-648-2872 Fax: 978-517-5002 DESIGNED, BUILT, AND DELIVERED RIGHT EVERY TIME

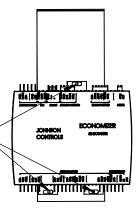
3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

Cambridgeport



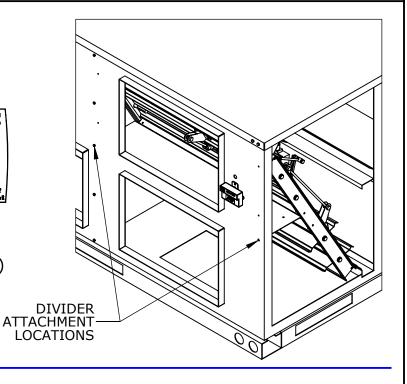
ATTACH SE ECONOMIZER MODULE TO BRACKET PREVIOUSLY INSTALLED ON BAFFLE IN STEP 3

TEK SCREWS<



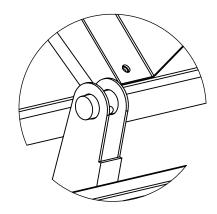
STEP 8

SECURE DIVIDER BAFFLE TO UNIT AT (2) LOCATIONS AS SHOWN. USING GASKETED SCREWS THAT WERE REMOVED IN STEP 1.

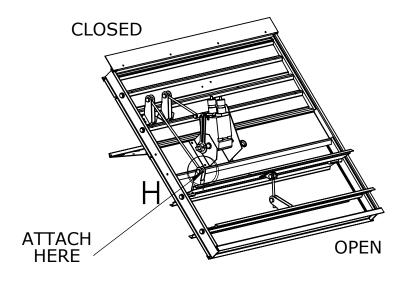


STEP 9

SET DAMPER LINKAGE ARM SO THAT THE ROD IS FLUSH WITH THE BRASS BUSHING IT IS INSERTED INTO. THE OUTSIDE AIR DAMPER SECTION SHOULD BE FULLY CLOSED WHILE PERFORMING THIS STEP. THE END RESULT WILL BE OUTSIDE AIR SECTION 100% CLOSED AND RETURN AIR SECTION (BOTTOM OF DAMPER RACK) 100% OPEN WHEN ACTUATOR IS DE-ENERGIZED



DETAIL H SCALE 1:2



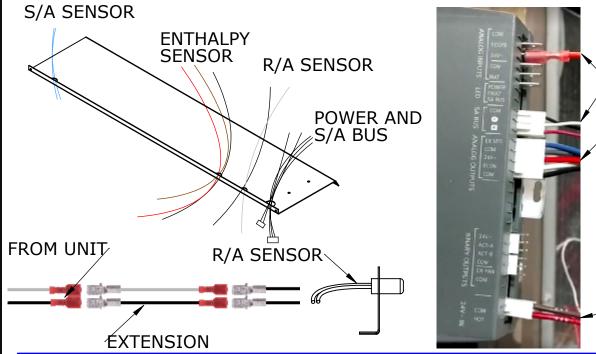
PAGE 5 OF 9

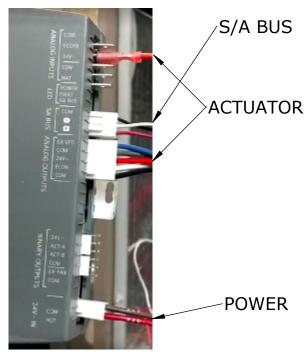
3 - 6 TON YORK SUNLINE SERIES ECONOMIZER **INSTALLATION INSTRUCTIONS**

Cambridgeport

STEP 10

- RECONNECT THE SUPPLY AIR SENSOR (BLUE WIRES). POLARITY INSENSITIVE
- CONNECT THE 20" LONG BLK/WHT EXTENSION WIRES PROVIDED BY CAMBRIDGEPORT TO THE BLK AND WHT RETURN AIR SENSOR WIRES DISCONNECTED IN STEP 4. RECONNECT THE NEWLY EXTENDED RETURN AIR SENSOR (BLK & WHT WIRES). POLARITY **INSENSITIVE**
- CONNECT POWER WIRING AND COMMUNICATION BUS FROM UNIT TO SE ECONOMIZER MODULE (SEE ILLUSTRATION BELOW)
- CONNECT ACTUATOR HARNESS AND FEEDBACK WIRE
- ENSURE WIRING IS NEAT AND NOT INTERFERING WITH DAMPER OPERATION





STEP 11

ROUTE ENTHALPY SENSOR WIRES(SEE DIAGRAM ABOVE): RUN RED WIRE FROM "+" TERMINAL ON ENTHALPY SENSOR TO 24V ON ECONOMIZER MODULE, RUN BLACK WIRE FROM "-" TERMINAL TO COM, AND RUN BROWN WIRE FROM "0" TO OAH AS SHOWN BELOW.



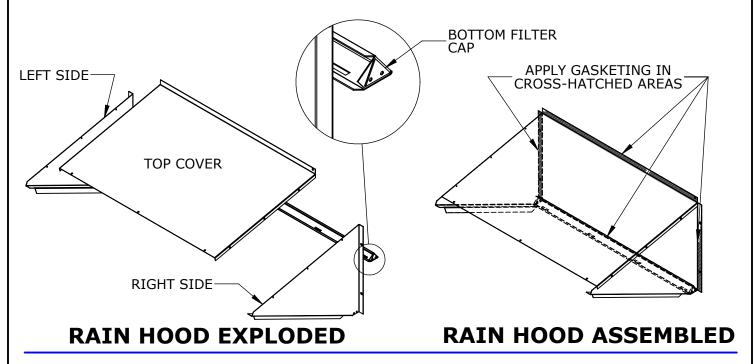
PAGE 6 OF 9

3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

Cambridgeport

STEP 12

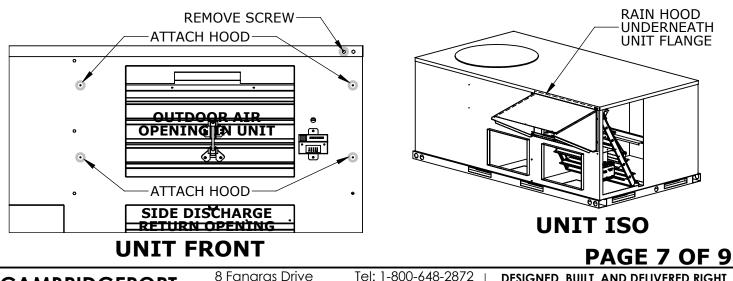
PREPARE RAIN HOOD FOR INSTALLATION TO UNIT. ASSEMBLE LEFT AND RIGHT SIDES OF RAIN HOOD TO TOP COVER AND BOTTOM FILTER CAP AS SHOWN USING PROVIDED TEK SCREWS. ENSURE FILTER CAP FACES UP TO CATCH FILTERS. APPLY GASKETING TO FLANGE SURFACES AROUND HOOD WHICH WILL COME IN CONTACT WITH UNIT.



STEP 13

REMOVE SCREWS(AS INDICATED BELOW) ON UNIT COVER TO ALLOW THE TOP FLANGE OF THE ECONOMIZER WEATHER HOOD TO SLIDE UNDER THE UNIT COVER.

ATTACH HOOD USING SCREWS PREVIOUSLY REMOVED



CAMBRIDGEPORT

8 Fanaras Drive Salisbury, MA 01952 Tel: 1-800-648-2872 Fax: 978-517-5002 DESIGNED, BUILT, AND DELIVERED RIGHT EVERY TIME

3 - 6 TON YORK SUNLINE SERIES ECONOMIZER INSTALLATION INSTRUCTIONS

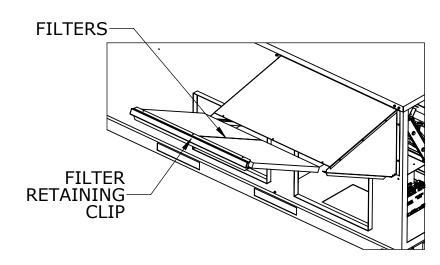
Cambridgeport

STEP 14

INSTALL TWO FILTERS INTO HOOD ASSEMBLY, SLIDING DOWN ALONG RETAINING FLANGES ON EITHER SIDE OF HOOD AND INTO BOTTOM FILTER CAP.

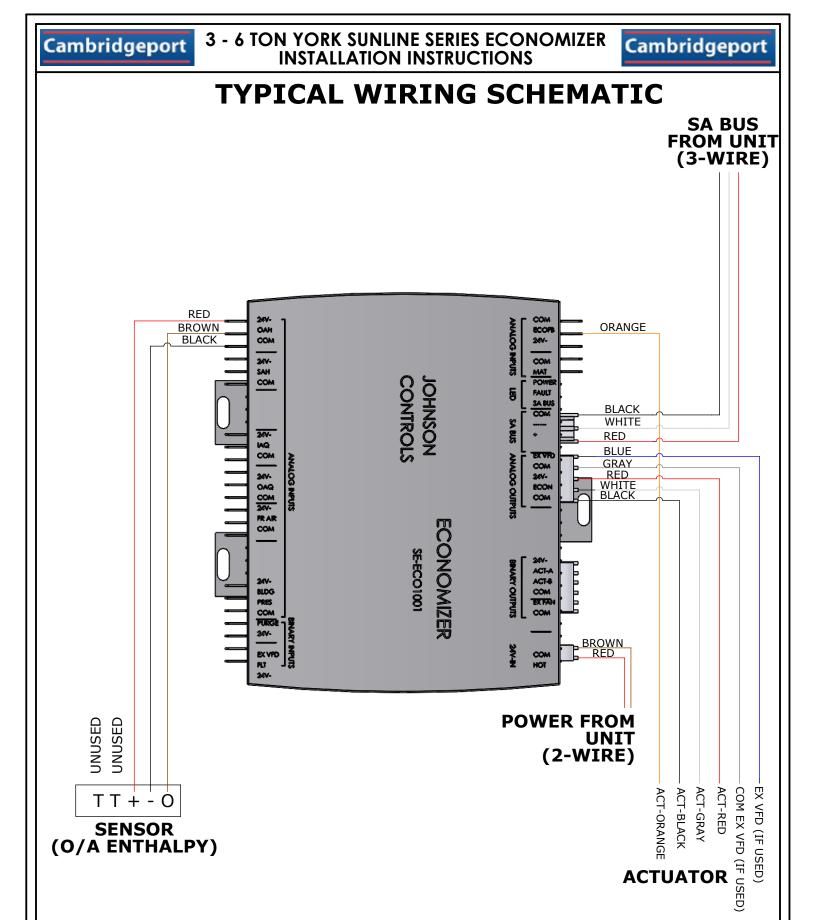
NOTE: INSTALL FILTERS SO THAT AIR FLOW ARROW POINT TOWARD UNIT.

INSTALL FILTER RETAINING CLIP OVER END OF FILTERS (SLIPS UNDER TOP OF HOOD) AND ATTACH WITH SCREWS PROVIDED.



CONTINUE ON TO NEXT PAGE FOR WIRING SCHEMATIC

PAGE 8 OF 9



PAGE 9 OF 9

YORK GEN 7 OR NEWER 3-12.5 TON PREDATOR YORK/JCI SIMPLICITY CONTROL SET UP

Cambridgeport

LOCATE YORK SIMPLICITY CONTROLLER IN ELECTRICAL PANEL SECTION OF UNIT. USE JOYSTICK AND ENTER BUTTON TO NAVIGATE CONTROLLER OPTIONS ON SCREEN AND SET ECONOMIZER DAMPER CONFORMANCE.

SCREEN.

ENTER BUTTON

JOYSTICK .

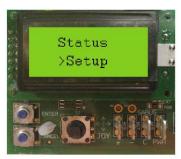


JOYSTICK DOWN TO "Details" -> PRESS ENTER JOYSTICK DOWN TO "Control" -> PRESS ENTER JOYSTICK DOWN TO "Econ" -> PRESS ENTER JOYSTICK DOWN TO "Setup" -> PRESS ENTER









JOYSTICK DOWN TO "Econ-MinPos" -> PRESS ENTER JOYSTICK RIGHT TO DESIRED MIN POSITION % -> PRESS ENTER TO LOCK IN %



JOYSTICK DOWN TO "EconOAT-SpEn" -> PRESS ENTER
JOYSTICK RIGHT TO DESIRED CHANGEOVER TEMPERATURE
-> PRESS ENTER TO LOCK IN TEMPERATURE



PAGE 16

YORK GEN 7 OR NEWER 3-12.5 TON PREDATOR Cambridgeport YORK/JCI SIMPLICITY CONTROL SET UP

JOYSTICK DOWN TO "EconOAEnth-Sp" -> PRESS ENTER JOYSTICK RIGHT TO DESIRED BTU PER # -> PRESS ENTER TO LOCK IN BTU PER #



JOYSTICK DOWN TO "LowAmb-Sp" -> PRESS ENTER JOYSTICK RIGHT TO DESIRED TEMPERATURE TO ACTIVATE LOW AMBIENT DAMPER POSITION -> PRESS ENTER TO LOCK IN TEMPERATURE



JOYSTICK DOWN TO "LowAmb-MinPos" -> PRESS ENTER JOYSTICK RIGHT TO DESIRED LOW AMBIENT DAMPER POSITION -> PRESS ENTER TO LOCK IN POSITION

