

OPTIONAL BATHROOM INSTALLATION KIT INSTRUCTION SHEET

⚠ WARNING

- **ALWAYS DISCONNECT THE UNIT BEFORE MAKING ANY CONNECTIONS. FAILURE IN DISCONNECTING POWER COULD RESULT IN ELECTRIC SHOCK OR DAMAGE OF THE WALL CONTROL OR ELECTRONIC MODULE INSIDE THE UNIT.**
- **WHEN CUTTING OR DRILLING INTO WALL OR CEILING, DO NOT DAMAGE ELECTRICAL WIRING AND OTHER HIDDEN UTILITIES.**
- **WHEN PERFORMING INSTALLATION, IT IS RECOMMENDED TO WEAR SAFETY GLASSES AND GLOVES.**

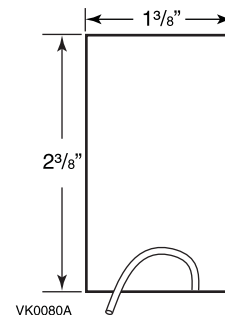
THIS KIT CONTAINS:

- ONE 5 IN. DIAMETER NON-INSULATED FLEXIBLE DUCT, 20 FT. LONG
- ONE 5 IN. DIAMETER DIFFUSER
- ONE 5 IN. DIA. X 5 IN. DIA. X 5 IN. DIA. TEE DUCT CONNECTOR
- FOUR 24 IN. LONG TIE-WRAPS
- ONE 20-MINUTE LIGHTED PUSH BUTTON
- ONE CONTROL CABLE, 40 FT. LONG (TYPE 22/4)

NOTE: THE ILLUSTRATIONS IN THIS DOCUMENT ARE GENERIC; YOUR VENTILATION UNIT AND/OR PUSH BUTTON APPEARANCE MAY BE SLIGHTLY DIFFERENT FROM THE ONES SHOWN.

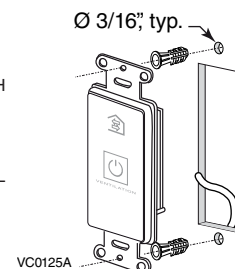
20-MINUTE LIGHTED PUSH BUTTON INSTALLATION

- 1 CUT A 2³/₈" x 1³/₈" HOLE IN A WALL, AT A CONVENIENT LOCATION FOR THE PUSH BUTTON. ROUTE THE PUSH-BUTTON CABLE FROM THE UNIT TO THIS HOLE. SEE FIGURE AT RIGHT.



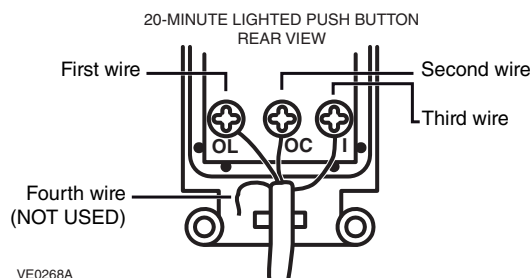
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- 2 TEMPORARILY PLACE THE PUSH BUTTON OVER THE HOLE AND MARK BOTH MOUNTING SCREW HOLE POSITIONS.
- 3 REMOVE THE PUSH BUTTON, DRILL BOTH SCREW HOLES (3/16" Ø) IN WALL AND INSERT THE WALL ANCHORS.



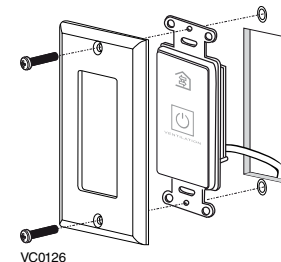
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- 4 STRIP THE END OF THE CABLE TO ACCESS THE WIRES.
- NOTE: ALTHOUGH THIS IS A 4-WIRE CABLE, ONLY 3 OF THEM WILL BE USED FOR CONNECTION. STRIP THE END OF 3 WIRES. CONNECT WIRES TO THE TERMINALS, NO MATTER THE WIRE COLOR: ONE WIRE TO "OL", ANOTHER ONE TO "OC" AND A LAST ONE TO "I". **NOTE WHICH WIRE COLOR HAS BEEN CHOSEN FOR EACH TERMINAL. SEE ILLUSTRATION BELOW.**



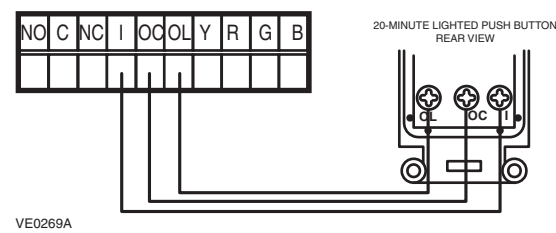
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- 5 MOUNT THE PUSH BUTTON TO THE WALL.



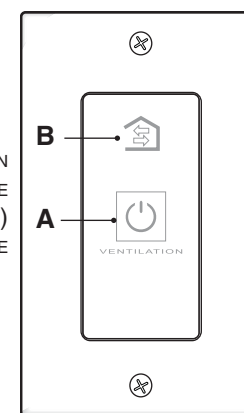
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- 6 PERFORM THE ELECTRICAL CONNECTION TO THE TERMINAL CONNECTOR OF THE UNIT, AS SHOWN BELOW. FOR MORE DETAILS, REFER TO THE INSTALLATION MANUAL OF THE VENTILATION UNIT.
- NOTE: TO AVOID MISWIRING, REFER TO THE NOTES ABOUT THE COLOR OF THE WIRES TAKEN ON STEP 4.



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- 7 PLUG THE VENTILATION UNIT AND TEST THE PUSH BUTTON BY PRESSING ON ITS CENTER (A). THE VENTILATION UNIT WILL EXCHANGE AIR WITH THE OUTSIDE ON HIGH SPEED FOR A 20-MINUTE PERIOD, AND THE INDICATOR (B) WILL LIGHT UP. TO STOP ACTIVATION BEFORE THE END OF THE 20-MINUTE CYCLE, PRESS ONE MORE TIME.

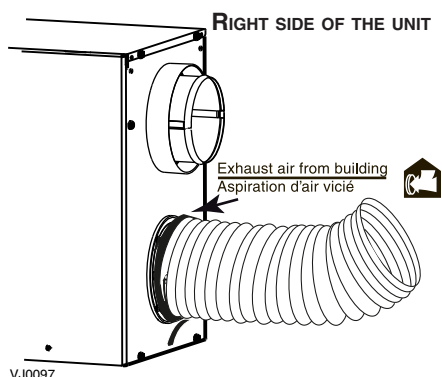


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DUCT AND DIFFUSER INSTALLATION

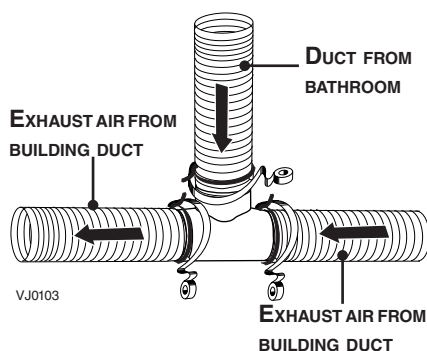
- 1 TURN THE VENTILATION UNIT OFF AND UNPLUG IT.

- 2 LOCATE THE EXHAUST AIR FROM BUILDING DUCT. WHEN FACING THE UNIT, THIS DUCT IS ATTACHED TO THE BOTTOM RIGHT SIDE PORT (CHECK IDENTIFICATION LABEL NEAR PORT).



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- 3 DETERMINE ON THE EXHAUST AIR FROM BUILDING DUCT THE LOCATION FOR THE TEE DUCT CONNECTOR. KEEP IN MIND THAT THE LESS BENDS AND SHORTEST DUCT LENGTH WILL RESULT IN THE MOST EFFICIENT DUCTWORK. CUT THE DUCT AT THIS LOCATION.



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- 4 USING PROVIDED TIE-WRAPPS ATTACH THE TEE DUCT CONNECTOR TO BOTH ENDS OF THE EXHAUST AIR FROM BUILDING DUCT, AND SEAL THE CONNECTION WITH DUCT TAPE. THEN, PROCEED THE SAME WAY TO CONNECT ONE END OF THE PROVIDED DUCT TO THE REMAINING DUCT CONNECTOR OPENING.

CAUTION

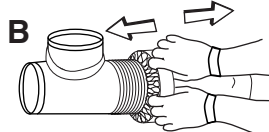
USE AN INSULATED DUCT (NOT INCLUDED) IF THE DUCT WILL HAVE TO GO THROUGH A SPACE WHERE IT IS POSSIBLE TO EXPERIENCE EXTREME TEMPERATURE CONDITIONS (E.G. : IN NORTHERN AREA, UNHEATED ATTIC IN WINTER OR UNCOOLED ATTIC IN SOUTHERN AREA). SEE BELOW FOR CONNECTION WITH TEE DUCT CONNECTOR.

HOW TO CONNECT INSULATED DUCTS WITH TEE DUCT CONNECTOR

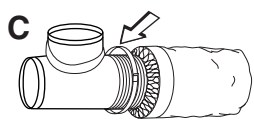
- A. USING DUCT TAPE, SEAL THE TEE DUCT CONNECTOR.



- B. FOR EACH DUCT (THE ONE COMING FROM BATHROOM AND THE SPLITTED ONE FOR EXHAUST AIR FROM BUILDING), PULL BACK THE INSULATION TO EXPOSE THE INTERIOR FLEXIBLE DUCT.



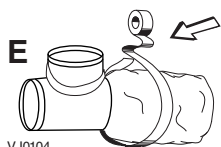
- C. CONNECT THE INTERIOR FLEXIBLE DUCT TO ONE END OF TEE DUCT CONNECTOR USING A TIE WRAP.



- D. PULL THE INSULATION OVER THE JOINT. PULL THE VAPOR BARRIER OVER THE INSULATION.



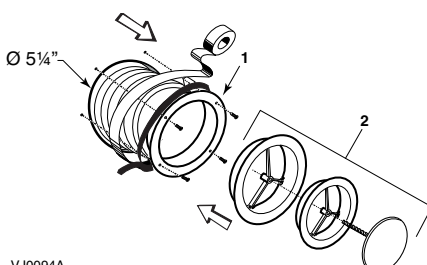
- E. APPLY DUCT TAPE GENTLY TO THE JOINT IN ORDER TO MAKE AN AIRTIGHT SEAL.



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ONCE THE INSULATED DUCTS CONNECTED, COVER THE TEE DUCT CONNECTOR WITH AT LEAST 4-INCH THICK INSULATION PAD.

- 5 ONCE THE DIFFUSER LOCATION IS DETERMINED, CUT OUT A 5 1/4" DIAMETER HOLE. RUN THE OTHER END OF THE DUCT THROUGH THE HOLE AND FIX IT TO THE DIFFUSER BASE (1), USING THE LAST TIE WRAP AND DUCT TAPE. ASSEMBLE THE DIFFUSER BASE TO THE WALL (OR CEILING) USING ITS 4 NO. 8 x 3/4" SCREWS. THEN, SLIDE IN THE DIFFUSER (2).



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