

BigBand Fan Replacement Procedure

TF-BIGBND-01

This procedure details removing broken **BigBand fans** from existing fan trays & replacing them with **NEW TAG fans** (PN # TF-BIGBND-01).

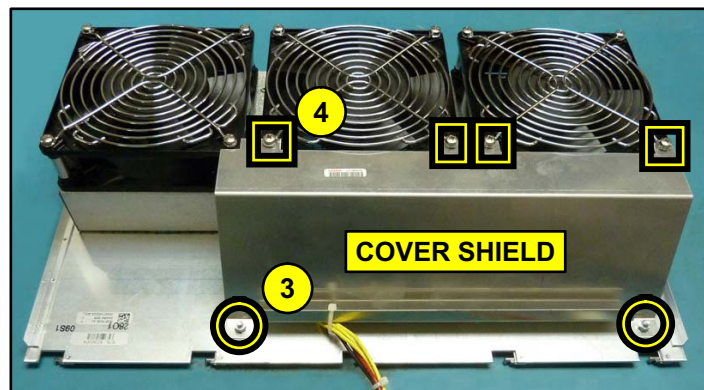
BIGBAND SDV MUX

1. Follow standard procedures to remove the BigBand fan tray from the SDV MUX location.
2. Place the fan tray onto a flat work surface.



NOTE: BE SURE TO SET ASIDE ALL ITEMS REMOVED FROM THE OLD FANS SUCH AS GUARD GRILLS, SCREW GUIDES, SCREWS, NUTS & WASHERS.

3. Remove the (2) nuts & washers attaching the cover shield to the BigBand fan tray.
4. Remove the (4) screws & washers attaching the cover shield & the existing fans to the fan tray.



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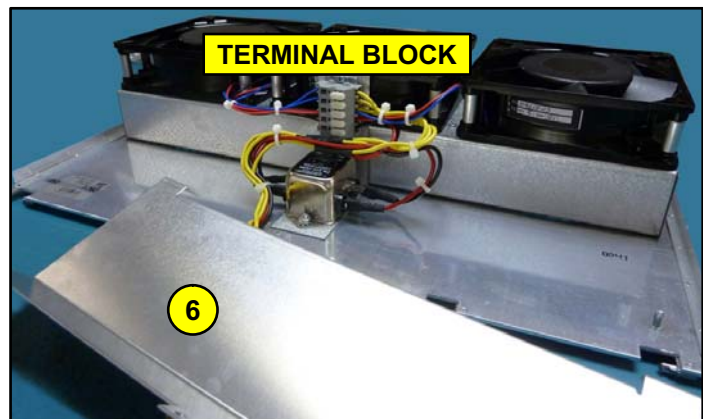
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- 5. Remove the remaining (8) screws & washers attaching the existing guard grills & fans to the fan tray.



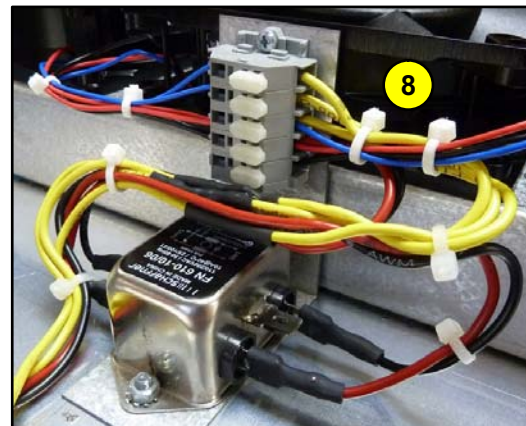
- 6. Move the cover shield out of the way to access the terminal block.



- 7. If the existing fans have screw guides, remove them & set them aside.



- 8. Carefully cut off the tie wraps from any wires connected to the fans.



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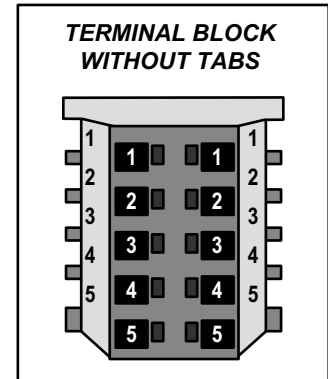
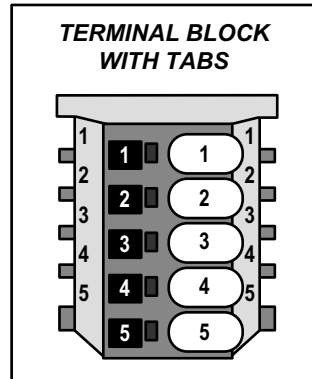
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9. Follow the directions below to remove the wires from the terminal block that are connected to the old fans.

Note: BigBand Fan Trays can have terminal blocks WITH or WITHOUT TABS.

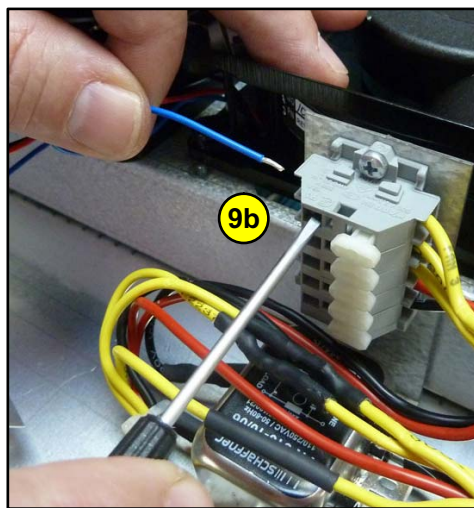
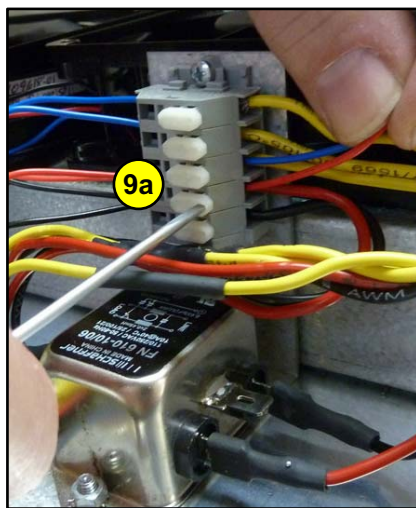
Tabs make the removal & installation of wires easier, but they are not needed.



- 9a. **WIRES ON THE RIGHT SIDE OF THE TERMINAL BLOCK** * (SEE THE NOTE BELOW FIRST)
 Firmly press a small screwdriver on the tabs (or in the holes) on the front of the terminal block & remove the wires (1 Blue, 1 Red & 1 Black) from the corresponding slots.

* **Note:** DO NOT remove the thicker Yellow (3), Red (1) & Black (1) Wires that are connected to the right side of the terminal block.

- 9b. **WIRES ON THE LEFT SIDE OF THE TERMINAL BLOCK**
 Firmly insert a small screwdriver into the holes (or press on the tabs) on the front of the terminal block & remove the wires (2 Blue, 2 Red & 2 Black) from the corresponding slots.



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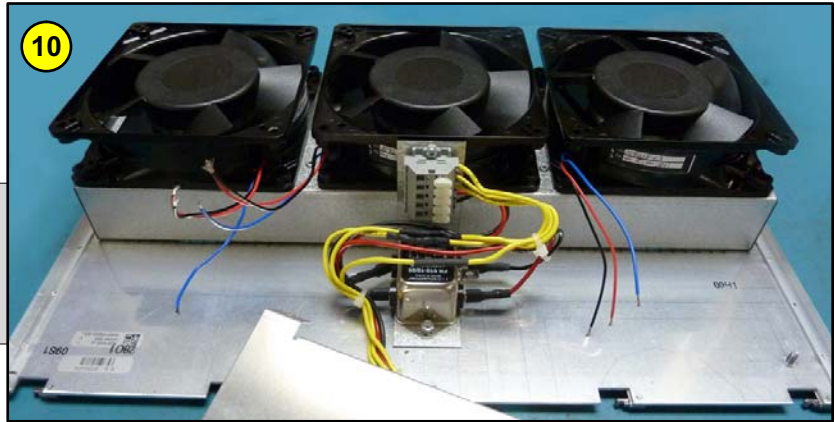
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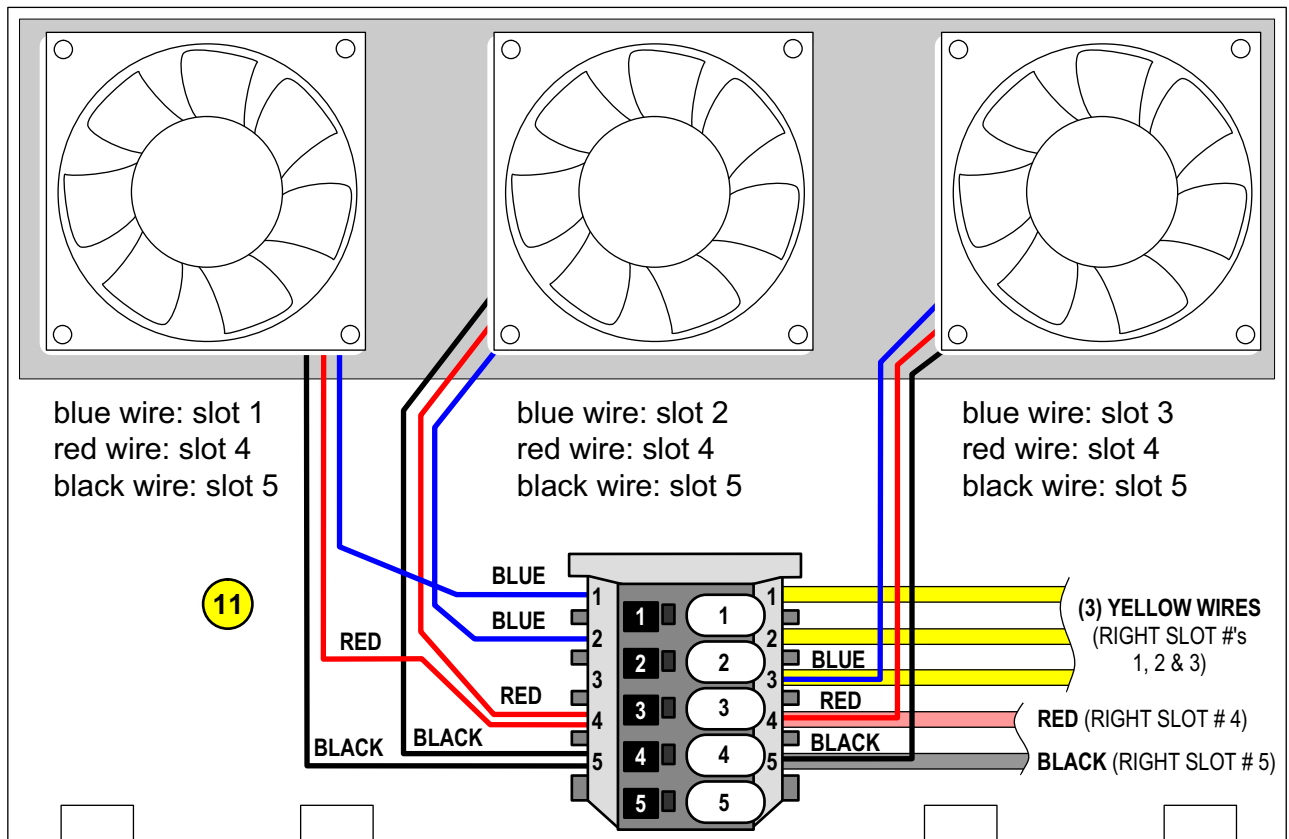
10. Take off the old fans & place the new TAG fans (PN # TF-BIGBND-01)* onto the fan tray as shown.



***Note:** The label with the TAG model number should point down towards the fan tray.

11. Install the wires of the new TAG fans using the wiring detail diagram below. (Use a small screwdriver to open the channels of the slots & insert the correct wires into the corresponding slots)

WIRING DETAIL



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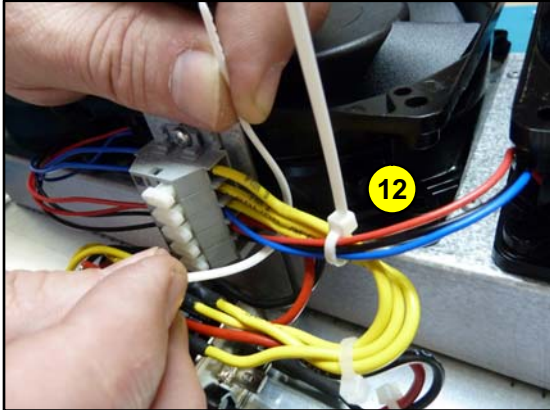
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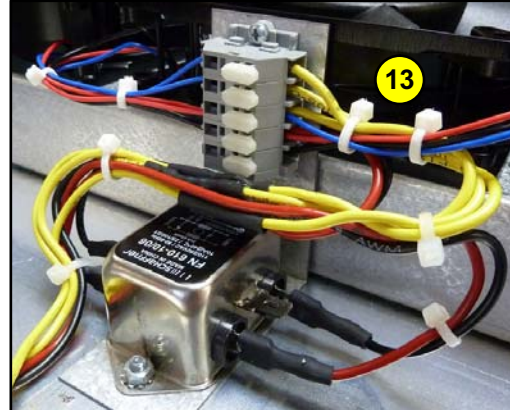
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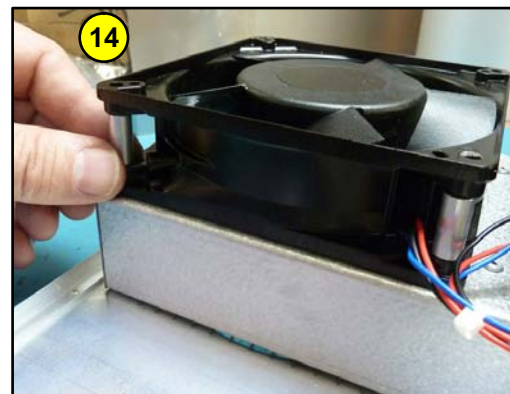
- 12.** Secure the fan wires in place with new tie wraps as shown.



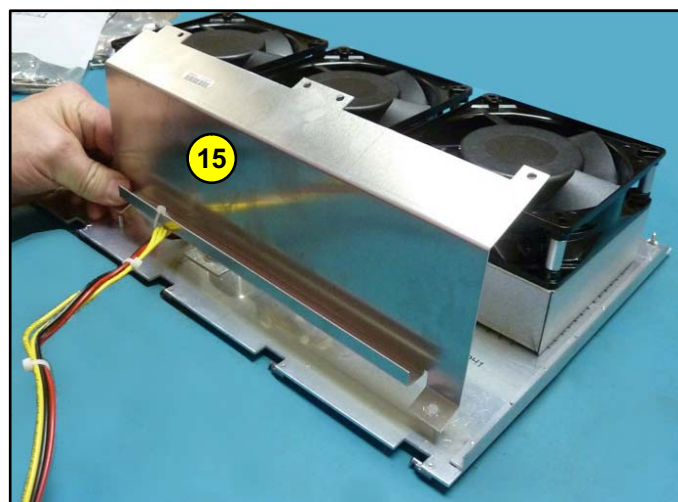
- 13.** Snip off any excess plastic on the tie wraps.



- 14.** If the previous fans had screw guides, put them back into place on the new TAG fans. (4 screw guides for each fan)



- 15.** Place the terminal cover shield on the fan tray back into the correct position.



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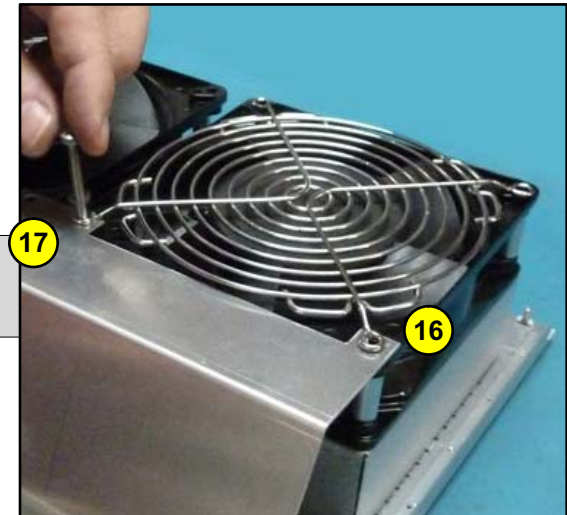
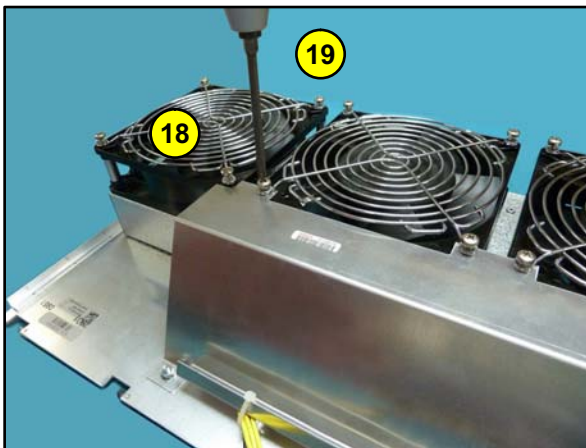
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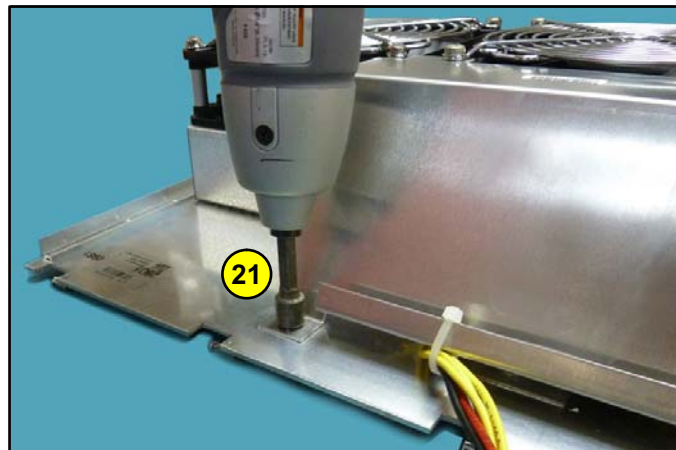
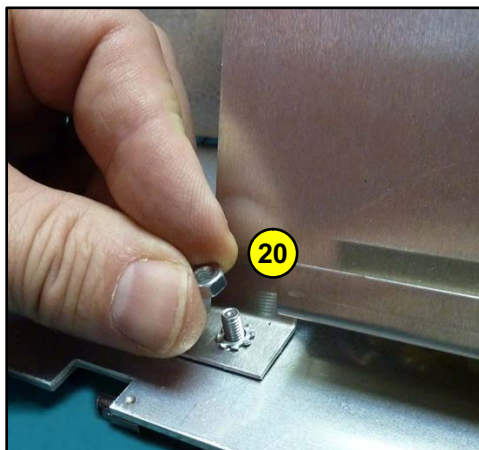
16. Place guard grills from the old fans over the cover shield. (*middle & right fan*)
17. Insert the screws & washers from the old fans through the guard grill & cover shield as shown. (*middle & right fan*)

Note: The cover shield goes under the front holes of the guard grills on the middle & right fan.

18. Place the remaining guard grill onto the fan on the left side of the fan tray.



19. Insert the remaining (8) screws & washers. Use a screwdriver to secure the fans to the fan tray.
20. Place the (2) nuts & washers on the front of the cover shield.
21. Secure the cover shield to the fan tray as shown below.



22. Follow standard procedures when replacing the BigBand fan tray back into the SDV MUX location.

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