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SUBJECT: 1" Air Cleaners - Troubleshooting for Snapping / Arcing

FURNACE, AIR HANDLER or FILTER BOX

1. Disconnect the power cord to the air cleaner unit and remove the air cleaner from the furnace, air handler or filter box.
2. Open the air cleaner, remove the replacement media pad, and with the air cleaner open, reconnect the power cord.
3. If you can hear a ticking or buzzing noise, the powerhead should be replaced. If no sound is detected, check for other causes.
4. Close the air cleaner and ensure that the tip of the electrode seats properly in the insulator button. The insulator button prevents the electrode from touching the outer screen.
5. Inspect the air cleaner outer screen. A torn outer screen that comes in contact with the center screen will cause arcing.
6. Inspect the replacement media pad. Ensure that the media pad is thoroughly dry and there are no other pieces of metal in the pad.
7. Disconnect the power cord and replace the media pad. Check to ensure that the media pad is positioned so that edges of the carbon center screen are not coming in contact with the air cleaner frame. Reconnect the power cord.
8. Disconnect the power cord and replace the media pad with a new media pad. Check positioning (#7) and reconnect the power cord.

RETURN AIR GRILLES

1. Disconnect the power cord to the air cleaner unit and remove the air cleaner from the filter grille.
2. Nuisance arcing in return air grilles is usually caused by the grille impinging on the air cleaner and pushing the outer screen into close proximity to the electrode or center screen. This can be caused by a grille that is bent or twisted and can be fixed by adjusting the filter grille.
3. To troubleshoot further, follow the steps 1-8 above.

Sincerely,

Peter Healey
Dynamic Air Quality Solutions