

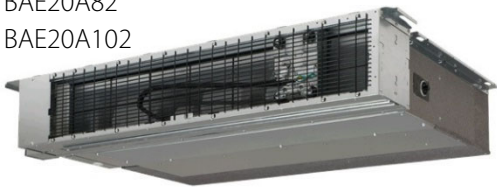
Auto Cleaning Duct Accessory

Installation, Set-up & Commissioning guide_V2

The following is a series of useful notes created to highlight some important install and set-up requirements, please always refer to the installation and service manual for full instructions.

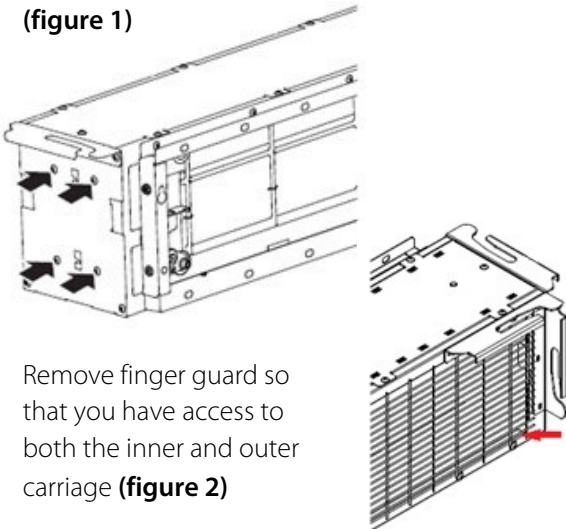
Applicable models

- › BAE20A62
- › BAE20A82
- › BAE20A102

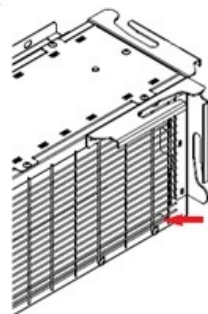


Unpacking – Key items to consider

- › Once the ACD is removed from its packaging, ensure that the 4 transit screws are removed – located at the opposite end from the electrics box **(figure 1)**



- › Remove finger guard so that you have access to both the inner and outer carriage **(figure 2)**



- › Apply pressure to each carriage to partially compress spring-loaded rollers, and slide carriage approximately 300mm towards the electrics box. Remove newly exposed cardboard packing **(location indicated by red arrows in figures 3 & 4)** that is protecting the installed micro switches - failure to do this will lead to AH-14 & AH-15 faults being generated during the self-cleaning operation.



Figure 3



Figure 4

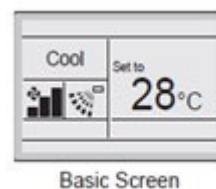
Fitting and wiring

- › Complete the fitting and wiring of the ACD as detailed in the installation manual.

Set-up and configuration

- › Once powered, it is best to run a test of the self-cleaning function. To access this function, enter the 'Service Settings' menu from the connected remote controller **(see figure 5)**. Then step down to the last screen and select the 'Test Filter Auto Clean' menu. The unit will then proceed with a self-cleaning operation (ensure fan coil unit is not running when you attempt this test).

Figure 5



Basic Screen



Press and hold the Cancel button for 4 seconds or longer while the backlight is lit.

- › To access the self-cleaning window, enter the 'Main Menu' from the connected remote controller (see figure 6). Then select the 'Filter Auto Clean' menu (see figure 7). The required cleaning period can now be selected in steps of 3 hours – 00:00 to 03:00, 03:00 to 06:00 21:00 to 00:00. This period needs to reflect a time when the fan coil unit will not be operating, as the self cleaning function requires the fan coil unit to be stopped before the cleaning operation can start. When this period is set, you will be asked to set the current time if it has not already been set. The unit will then carry out its self-cleaning operation in 7 days time, and every 7 days thereafter.

Figure 6

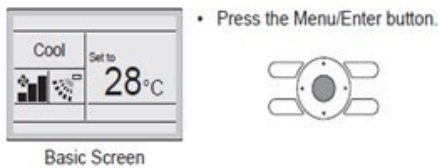
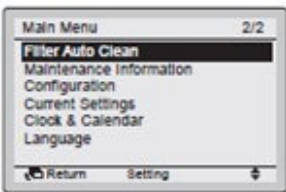


Figure 7



- › Once the filter inspection icon has appeared (displayed on both the local remote controller and any connected centralised controller), then the dust collection box should be emptied and the filter inspection sign reset (reset can be carried out at either the local remote controller or the centralised controller).
- › The filter inspection icon can be restricted to just display on a centralised controller by inputting field setting 14(24), 4-04. If this is carried out, then resetting of the filter inspection icon can only be carried out at the centralised controller.
- › Failure to empty the dust collection box will lead to the self-cleaning operation not being achieved and can cause damage to the mechanism.
- › In parallel with the time controlled by field setting 10(20), 1-0X, there is a unit operation timer. This timer permits 504 hours of unit operation since the last filter icon reset. After this period, the operation lamp on the connected remote controller will flash (but no fault code will be displayed). The fan coil unit will continue to operate, however self-cleaning will not take place.
- › If the filter sign is still not reset, a further 168 hours of unit operation is permitted. After this has elapsed without the filter sign being cleared, the unit will go into a AH-05 fault and both self-cleaning and fan coil unit operation will not be possible.
- › To reset an AH-05 fault, it is necessary to reset the electrical power to the affected fan coil unit.

Operating tips

- › If the self-cleaning period is not set, then the unit will auto clean every 168 hours (7 days) based on the time it was initially powered up.
- › If the fan coil unit is running when the self-cleaning period occurs, auto cleaning is skipped for that week. Should the self-cleaning operation not occur for 3 consecutive tries, then the unit will cease attempting to self-clean and an AH-09 fault code will appear. To reset this fault, the unit will need to be put through a self-cleaning test operation.
- › To adjust the period after which the filter inspection icon will appear (default after 4 weeks), access to the field settings from the connected remote controller is required

Mode No.	First Code No.	Second Code No.		
		02	03	04
10 (20)	1	24 hrs (Daily)	168 hrs (Weekly)	672 (4 Weekly)

Field setting for filter inspection period	Filter inspection icon will appear after	Operation lamp on remote controller will flash & filter inspection icon appears	AH-05 fault displayed and unit stops operation.
10 (20) 1-02	1 day	504 hours fan operation	672 hours unit operation
10 (20) 1-03	1 week	504 hours fan operation	672 hours unit operation
10 (20) 1-04	4 weeks (default)	504 hours fan operation	672 hours unit operation

N.B The above table indicates the sequence of operation should the filter inspection icon not be reset. Resetting the filter inspection icon at any point before the AH-05 fault appears will reset all counters to zero.

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