

# PREVOST

## Instruction Sheet

## IS-20914

### Air Purifier installation to HVAC unit

THIS DOCUMENT SUPERSEDES PREVIOUS VERSION.

09/07/2020

### MATERIAL

Kit #IS20914 contains the following parts:

| Part No. | Description                      | Qty     |
|----------|----------------------------------|---------|
| 21930773 | EQUIPMENT, AIR PURIFIER          | 2       |
| 972084   | SIX POINT SOCKET SCREW, ST4,8*32 | 5       |
| 8397516  | HOUSING                          | 1       |
| 22041986 | TERMINAL, DELPHI                 | 2       |
| 981405   | FUSE, 3A                         | 1       |
| 8072808  | COVER, FUSE HOLDER               | 1       |
| 970589   | ELECTRIC CABLE, 1                | 1100 mm |
| 970596   | ELECTRIC CABLE, 1                | 1100 mm |
| 956956   | SPLICE, 0.5-1                    | 2       |
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## PROCEDURE



### DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

1. Make sure that the vehicle is **OFF**.
  1. Remove the key.
  2. Wait at least 30 seconds.
  3. Turn OFF the emergency switch.
  4. Turn OFF the battery switch.

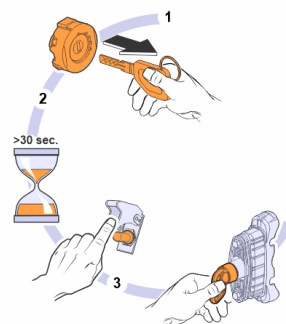


FIGURE 1

2. Assembly the following extension.

| CABLES INFORMATION |       |             |        |        |
|--------------------|-------|-------------|--------|--------|
|                    | Color | Length (mm) | From   | To     |
| A                  | BK    | 850         | AFHA:2 | GND    |
| B                  | BK    | 250         | AFHA:2 | AFH:2  |
| C                  | R     | 250         | AFHA:1 | AFH:1  |
| D                  | R     | 200         | AFHA:1 | FUSE:1 |
| E                  | R     | 650         | FUSE:2 | POS    |

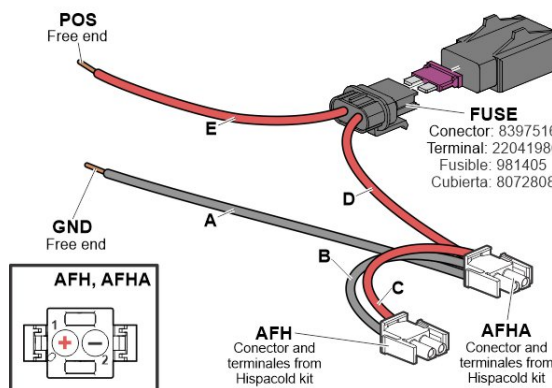


FIGURE 2

3. Open the air conditioning unit grill cover.

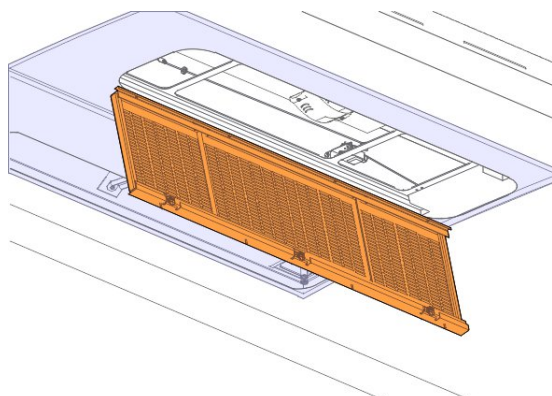
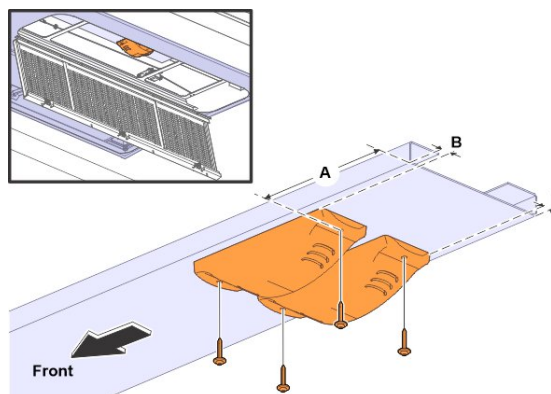


FIGURE 3

4. Install the two air purifiers #21930773 in the air conditioning unit.

**A = 170 mm**

**B = 25 mm**



**FIGURE 4**

5. Plug in the connectors with references AFH and AFHA from the extension made in step 2 in the air purifiers.

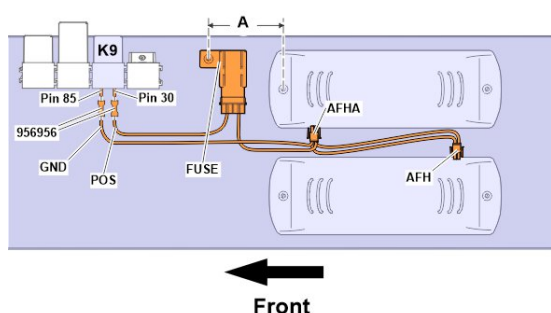
Fix the fuse using the following length.

**A = 70 mm**

Splice the free end wires (POS and GND) from extension made in step 2 in the relay K9 from air conditioning unit in the following order:

**POS in pin 30**

**GND in pin 85**



**FIGURE 5**

6. Perform a function test.

**NOTE**

When the bus is on, a green led must turned on in each air purifier.



**FIGURE 6**

7. Close the air conditioning unit grill cover.

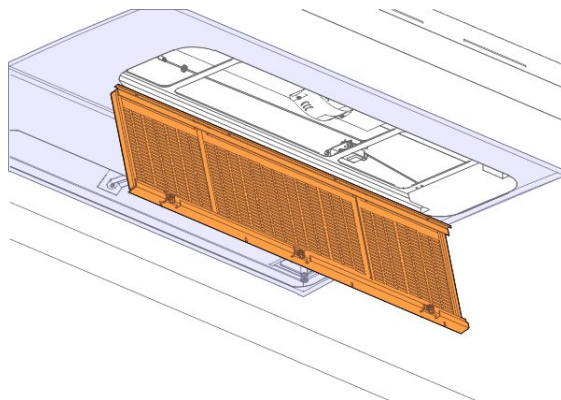


FIGURE 7

8. Turn on the vehicle.

1. Turn **ON** the battery switch.
2. Turn **ON** the emergency switch.
3. Wait at least **30 seconds**.
4. Insert the key.

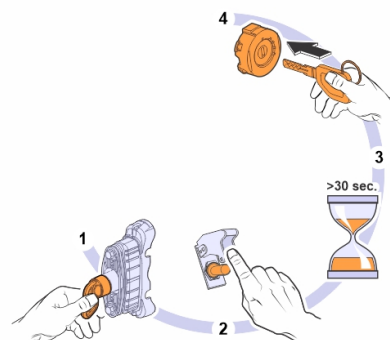


FIGURE 8