

# PREVOST

## Instruction Sheet

## IS-21905

### PLASMA CLUSTER SANITIZER

Volvo 9700

INITIAL RELEASE

07-09-2021

### MATERIAL

Order the following parts:

Part No.	Description	Qty
24162097	Module kit. Parts included 22591287 Tape. 973881 Blind rivet. 968016 Terminal. 948995 Housing. 24162093 Bracket. 996061 Flange screw. 23946054 Air cleaner (module). Isolator. Harness. 24116541 Bracket. 990938 Flange nut.	12
955116	Cross recessed screw, ST2,9*13	24
24161370	Power harness	1
24162221	Side Harness	2
964167	Connector	1
949400	Terminal	1

Other parts that may be required:

Part No.	Description	Qty
970552	0.75 Red cable	30 cm
970550	0.75 Black cable	30 cm

#### *NOTE*

*Material can be obtained through regular channels.*

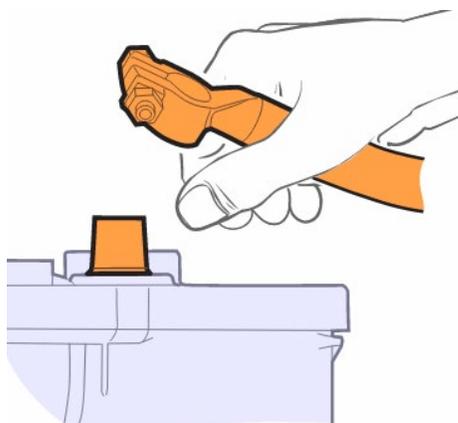
## PROCEDURE



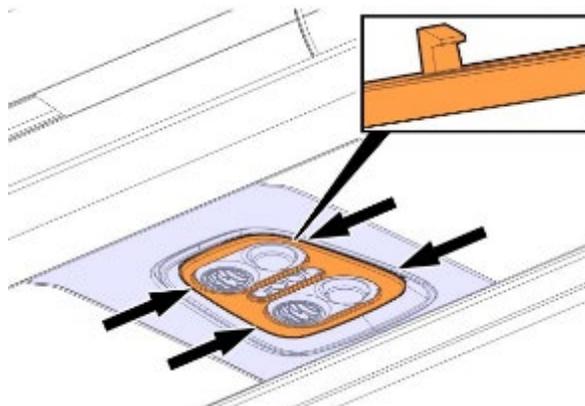
### DANGER

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.

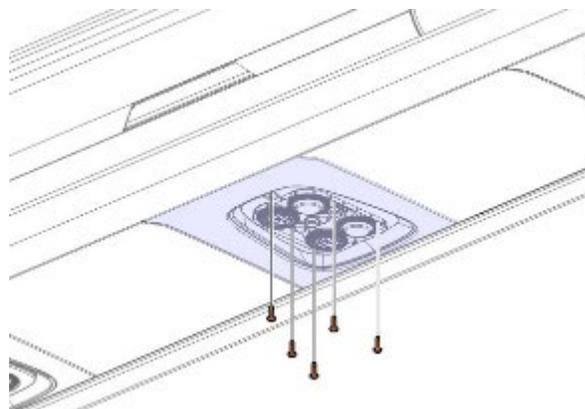
1. Disconnect the negative terminal of the consumer batteries.



2. Remove the passenger panel cover.
  1. Press the sides
  2. Pull and remove the cover



3. Remove fixing screws.



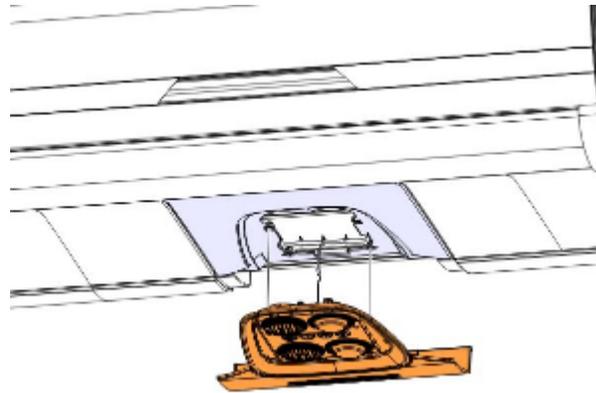
4. Carefully remove the panel and unplug the electrical harness.



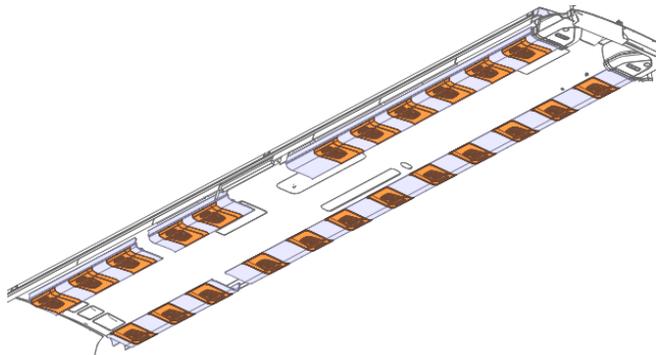
### CAUTION

**Risk of material damage.** Cables and connectors could be damaged.

- ▶ Do not pull the cover.
- ▶ Do not leave hanging the panel by the cables.

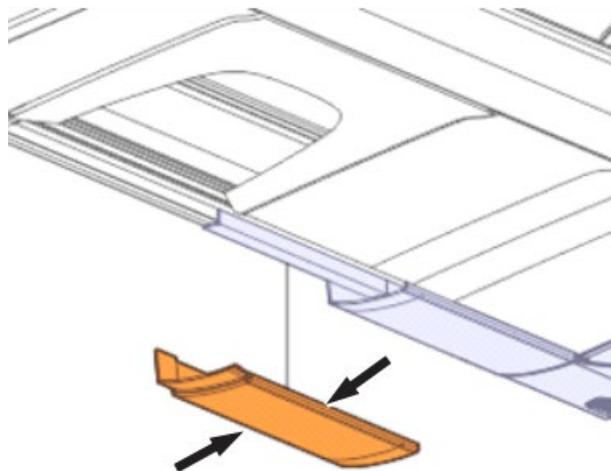


5. Repeat from the step 1 to 3 for remaining service kits.



6. Remove the remaining panels, push the front and back part of the panel to loose them.

Repeat this action for all service kit panels.



7. Mark the position of the sensors in the interior of the air condition duct.

Use the attached drawing (figure 1) to check the correct dimensions.



8. Wrap the isolation tape around the brackets.



9. Join the brackets using the rivets included in the kit 24162097.



10. Place the bracket on the mark made on step 7 and Install the bracket fixing screws.



11. Join the black cables, crimp a 968016 terminal on the black and red cables.



12. Install the harness on the sensor.



13. Install the isolation supplied with the sensor, around the harness connection on the sensor.

Make sure that the isolation covers the entire connection surface.

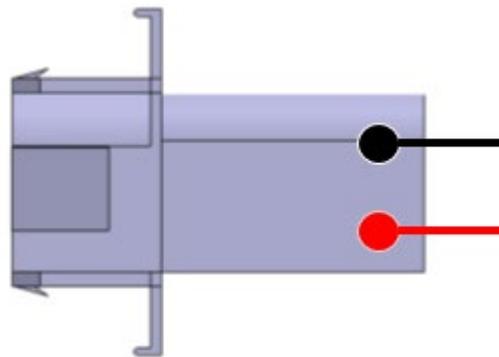


14. Install and fix the sensor on the bracket.

Use 965200 screws and 990938 nuts.



15. Use a 948995 connector, put the black cable on rounded side.



16. Repeat steps 9 to 14 to the rest of the sensors on both sides.



17. Route the side harnesses 24162221 inside the duct. Fix it with cable ties.



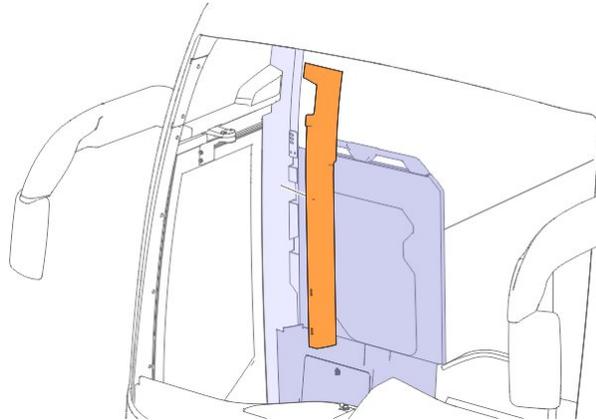
18. Plug the connectors.



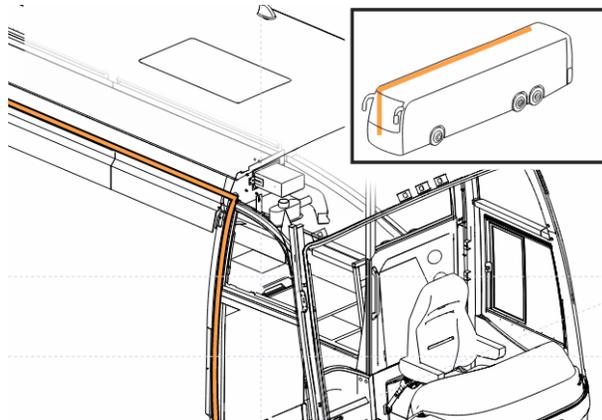
19. Remove the handrail.  
Remove the sticky covers.  
Remove the screws.



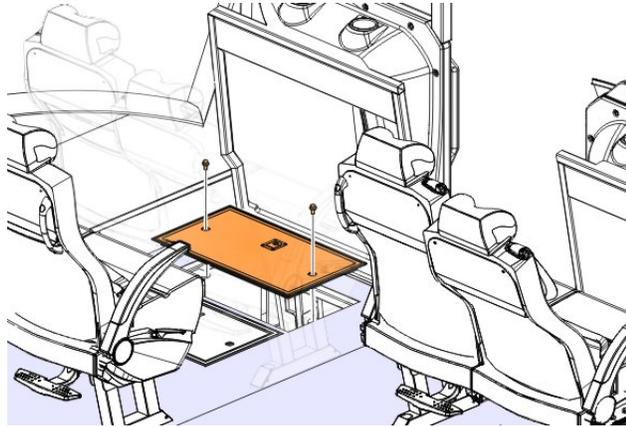
20. Remove the right-side B pillar cover.  
  - Remove the screws.
  - Remove the cover.



21. Pass the harness trough the air duct and route the harness to the electrical center on the pillar.  
Fix the harness with cable ties.



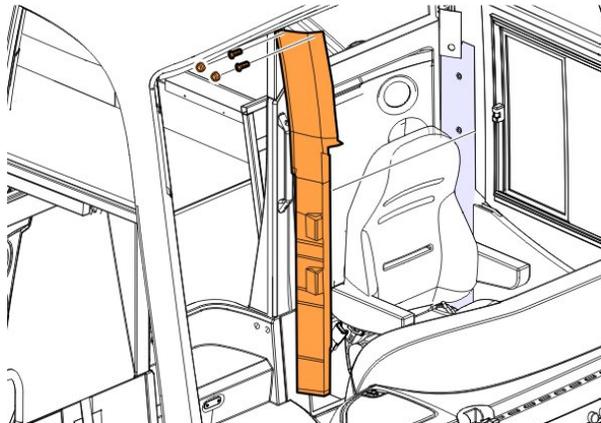
22. Remove the electrical center cover.



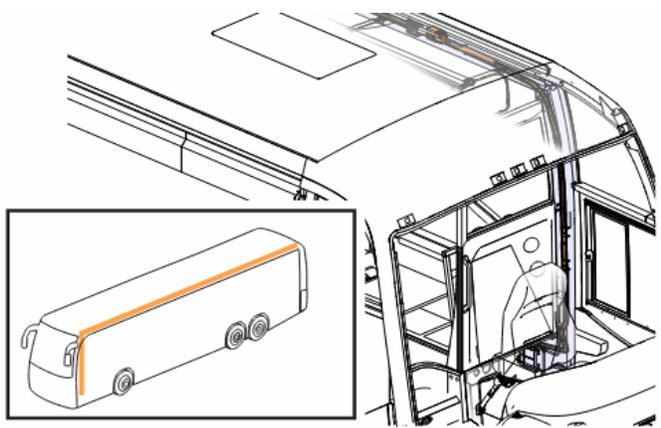
23. Remove the driver safety belt.



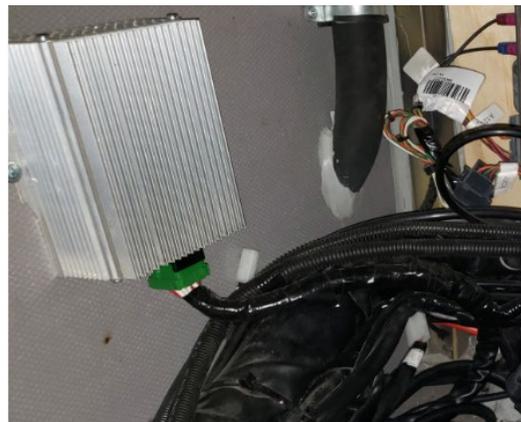
24. Remove the left side B pillar cover.



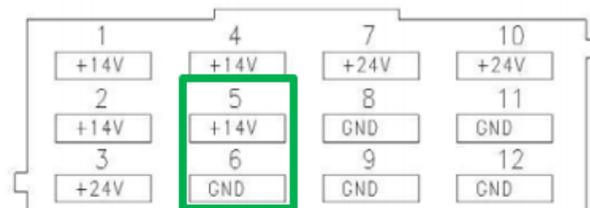
25. Pass the harness trough the air duct and route the harness on the pillar.  
Fix the harness with cable ties.



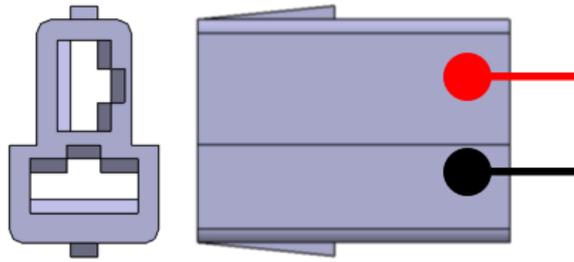
26. Unplug the green connector of the voltage regulator.



27. Add a 30 cm of black cable on pin 6 and 30 cm of red cable on pin 5.



28. In the other side of the cable, crimp a 949400 terminals and install 964167 connector.



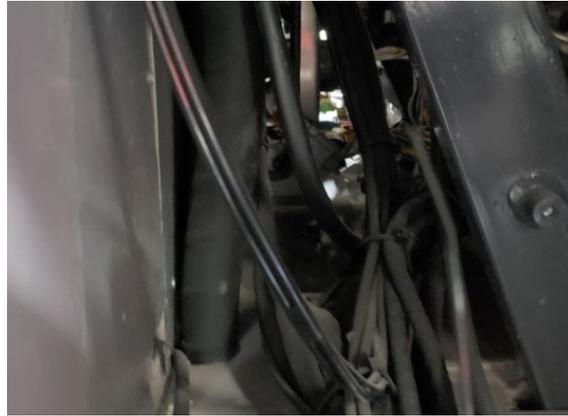
29. Plug the power harness 24161370 with the power connector assembled on step 28.  
Fix the cables with cable ties.



30. Plug the left harness with the short side of the power harness and route the extra cable around the electrical center.



31. Cross the remaining harness under the stairs to the front electrical compartment on the right side.

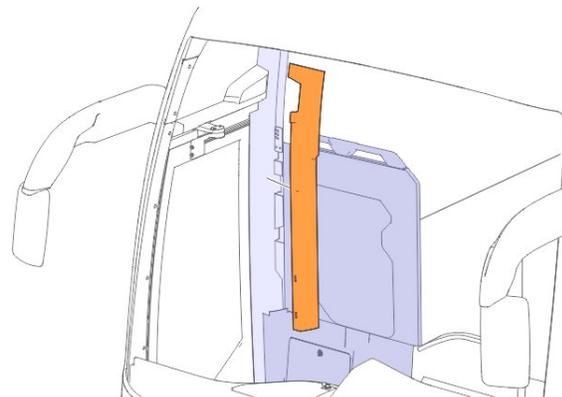


32. Plug the right-side harness with the power harness and fix it around the compartment using cable ties.



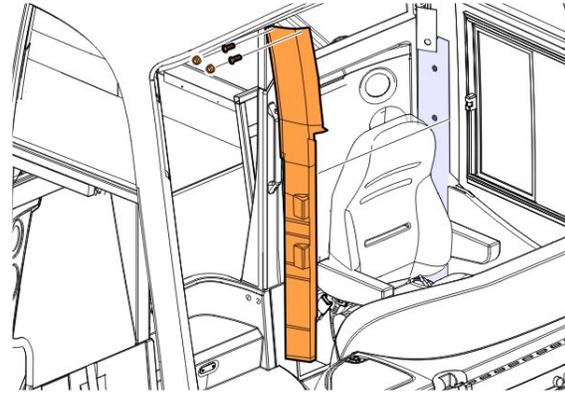
33. Install the right-side B pillar cover.

- Place the cover.
- Install and hand tighten the screws.



34. Install the left side B pillar cover.

- Place the cover
- Install and tighten the screws.



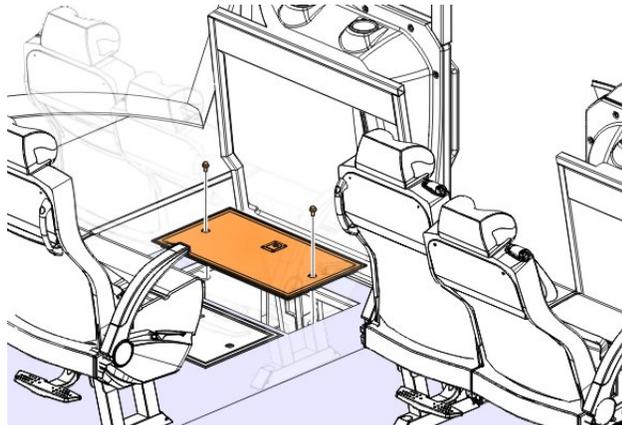
35. Install the driver safety belt.

Tightening torque 50+10 NM.



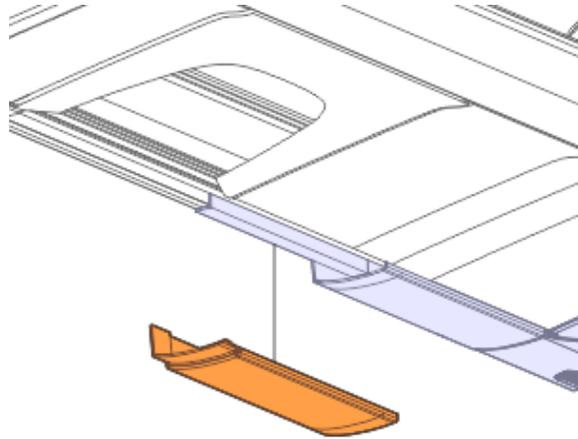
36. Install the electrical center cover.

- Place the cover.
- Install and tighten the screws.



37. Install the panels on the luggage rack.

- Press the panel.



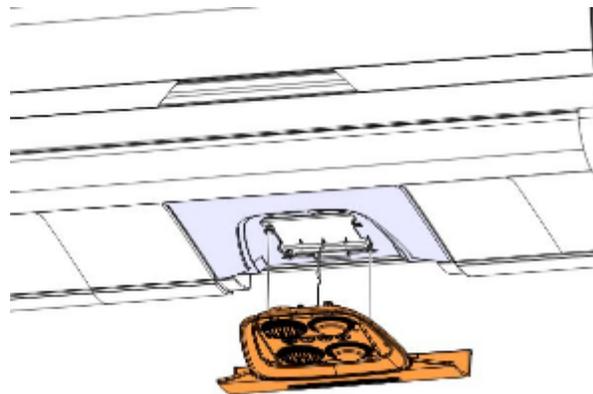
38. Connect the passenger panel.



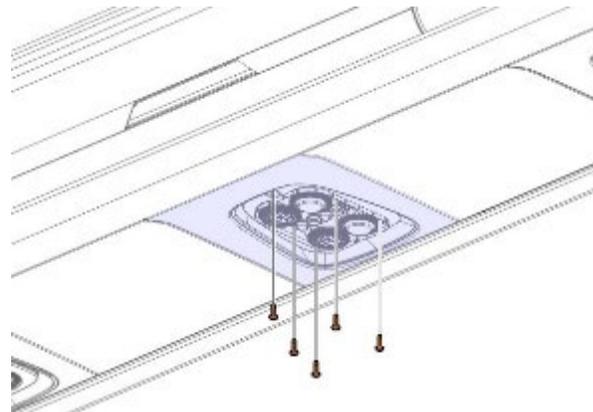
### CAUTION

**Risk of material damage.** Cables and connectors could be damaged.

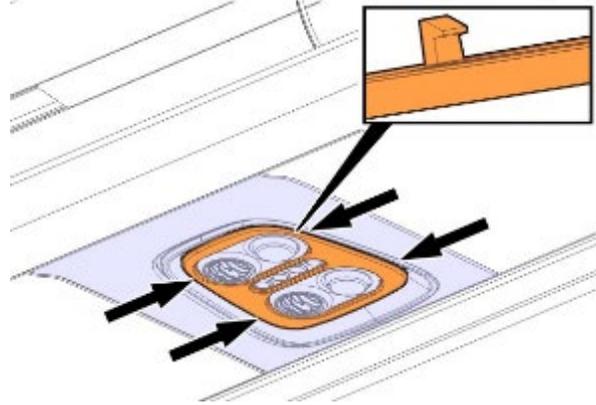
- ▶ Do not pull the cover.
- ▶ Do not leave hanging the panel by the cables.



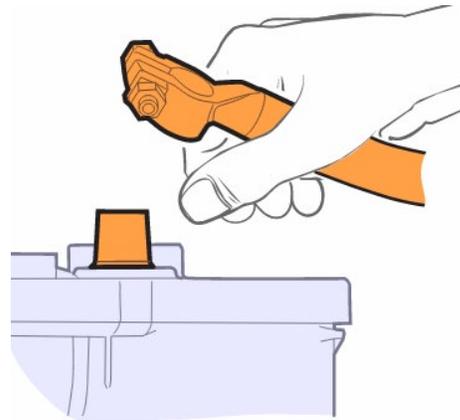
39. Install the fixing screws.



40. Instal the passenger panel cover.



41. Install the negative terminal



## PARTS / WASTE DISPOSAL

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

## ATTACHMENTS

Figure 1: HARNESS DISTRIBUTION.

