



REPARASJONSMANUAL



MiST
Rensesystem for bilens
ventilasjonsanlegg og kupé

1. Piezo Replacement

1. Drain MiST™ Machine of any remaining fluid by tilting the machine forward with the exhaust faced downwards. (Refer to illustration 3.1)



Illustration 3.1 - Exhaust Faced Downwards

2. Lay MiST™ Machine onto its side (opposite power cord), and remove all six pan Phillips screws.

- 1 Use a #2 Phillips screwdriver. (Refer to illustration 3.2)



Illustration 3.2 - Remove Six Screws at the Base Plate

3. Remove the base plate. (Refer to illustration 3.3)



Illustration 3.3 - Remove Base Plate

4. Detach the piezo from the PCB. (Refer to illustration 3.4)

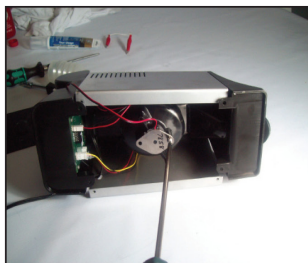


Illustration 3.4 - Detach Piezo

5. Remove the two truss head Phillips screws and two external lock washers from piezo plate.

- 1 Use #2 Phillips screwdriver.

6. Remove piezo plate and piezo. (Refer to illustration 3.5)

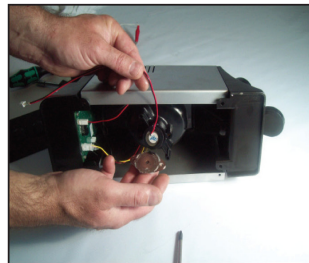


Illustration 3.5 - Remove Piezo Plate and Piezo

7. Slide the fiber sleeve towards the connector on the piezo harness. (Refer to illustration 3.6)

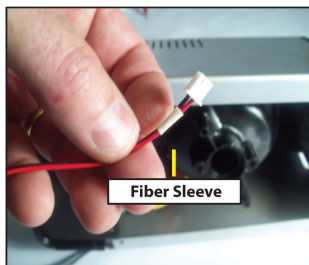


Illustration 3.6 - Slide the Fiber Sleeve Towards the Connector

8. Reinstall the new piezo with wires positioned in the notch. (Refer to illustration 3.7a)

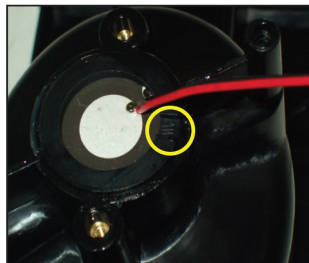


Illustration 3.7a - Wires in the Notch

- Apply silicone grease under the wires at the piezo rubber grommet notch. (Refer to illustration 3.7b)

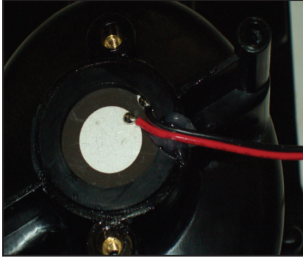


Illustration 3.7b - Silicone at Piezo Rubber Grommet

- Install the piezo plate with two truss head Phillips screws and two external lock washers. Tighten to 10 lb-in (1.13N.m). (Refer to illustration 3.8)

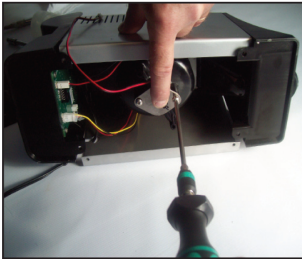


Illustration 3.8 - Install Piezo Plate

- Reconnect the piezo to the PCB.
 - Connector can only be installed one way and must align with the notch at the PCB.
 - *DO NOT FORCE THE CONNECTOR INTO THE PCB CONNECTOR.**

- ⚠** Make sure the piezo wire harness is located in the notch to avoid damage to the wires. Damaged wires can cause the piezo to malfunction. (Refer to illustration 3.9)

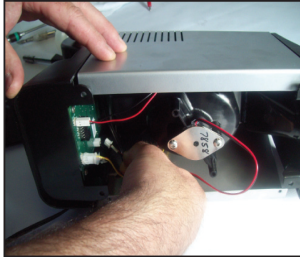


Illustration 3.9 - Connect Piezo to PCB

- Coat the connector sensor harness connector at the PCB with silicone. (Refer to illustration 3.10)

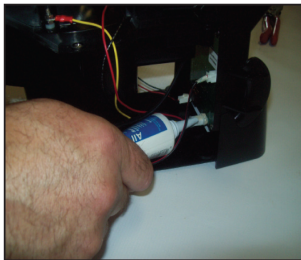


Illustration 3.10 - Silicone on Sensor Harness Connector

- Install the base plate with two center pan Phillips screws.
 - Secure screws loosely.
- Install the four outer pan Phillips screws.
 - Secure screws loosely.

- Tighten the two center pan Phillips screws until snug. (Refer to illustration 3.11)
- Tighten the four outer pan Phillips screws to 11 lb-in (1.24N.m).
 - Use a torque screwdriver and a #2 Phillips screwdriver.



Illustration 3.11- Tighten Two Center Screws

2. Fan Replacement

- Drain MiST™ Machine of any remaining fluid by tilting the machine forward with the exhaust faced downwards. (Refer to illustration 4.1)



Illustration 4.1- Exhaust Faced Downwards

- Remove the strain relief from the main metal body housing.
 - Use strain relief or blunt nose pliers. (Refer to illustration 4.2)



Illustration 4.2 - Remove Strain Relief

- Lay MiST™ Machine onto its side (opposite power cord), and remove the four outer pan Phillips screws.
 - Use a #2 Phillips screwdriver. (Refer to illustration 4.3)



Illustration 4.3 - Remove Four pan Phillips Screws

- Stand unit upright onto its base.
- Gently remove the main metal body housing, and remove the power cord through the notch. (Refer to illustration 4.4)



Illustration 4.4 - Remove Main Metal Body Housing

- Remove the two truss head Phillips screws and two washers from the rear housing.
 - Use a #2 Phillips screwdriver. (Refer to illustration 4.5)

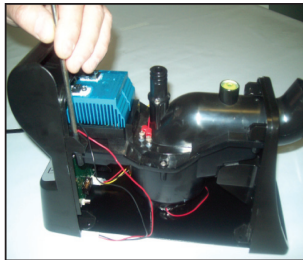


Illustration 4.5 - Remove Two Truss Head Phillips Screws from Rear Housing

- Disconnect the fan wire harness from PCB. (Refer to illustration 4.6)

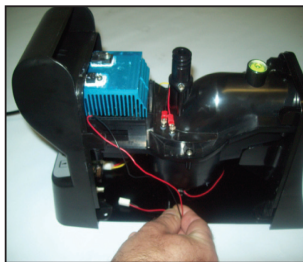


Illustration 4.6 - Disconnect Fan Wire Harness

- Remove the rear housing and place it beside the MiST™ Machine.
 - The piezo and sensor harness is still connected to the PCB. (Refer to illustration 4.7)

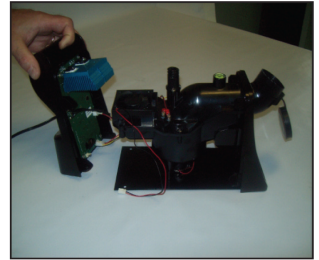


Illustration 4.7 - Rear Housing Placed to the Side

- Remove the two fillister pan Phillips self tapping screws that secure the fan.
 - Use a #2 Phillips screwdriver. (Refer to illustration 4.8)

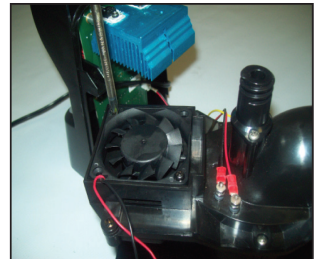


Illustration 4.8 - Remove Two Fillister Phillips Tapping Screws that Secure the Fan

- Remove the fan and discard.
- Install the replacement fan PN98720595.
 - Make sure the fan is positioned with the direction toward the opening. The wires must travel through the notch of the fan base and upwards. Wires must be positioned on the right side of the unit. (Refer to illustration 4.9)

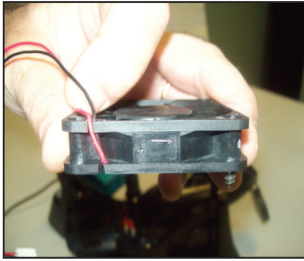


Illustration 4.9 - Replacement Fan

12. Install the two fillister Phillips self tapping screws and tighten to 3 lb-in (0.34 N.m).
 - i** Use a torque screwdriver with a #2 Phillips screwdriver. (Refer to illustration 4.10)

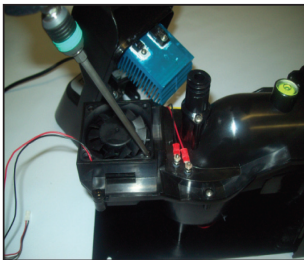


Illustration 4.10 - Secure two fillister Phillips Self Tapping Screws

13. If any residue is found on the heat sink fins clean off with a soft brush.
14. Reinstall the rear housing onto the MiST™ chamber sub-assembly.
15. Wire harness from the fan must go between the rear housing and the MiST™ chamber sub-assembly. (Refer to illustration 4.11)

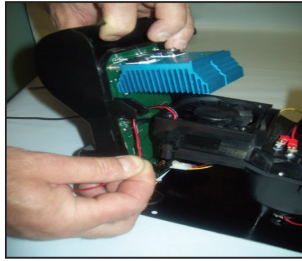


Illustration 4.11 - Wire Between Rear Housing and MiST™ Chamber Sub-Assembly

16. Install the two truss head Phillips self tapping screws and two washers.
17. Tighten both screws loosely and align the washers on the impression made by the original assembly. (Refer to illustration 4.12)

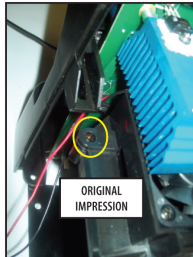


Illustration 4.12 - Align with Original Impression

18. Tighten both screws to 9 lb-in (1.02 N.m).
 - i** Use a torque screwdriver with a #2 Phillips screwdriver.
19. Connect the fan harness to the PCB.
 - ⚠** Caution, notch must align to avoid damage. (Refer to illustration 4.13)

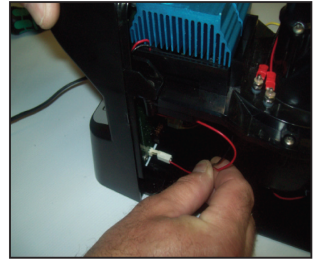


Illustration 4.13 - Fan Harness to PCB

20. Put silicone on the fan connector at PCB. (Refer to illustration 4.14)

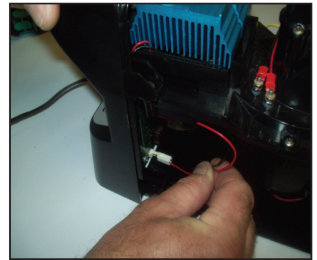


Illustration 4.14 - Fan Connector

21. Install main metal body housing.
 - ⚠** Be sure to position power cord into notch opening of the metal housing to avoid damage. (Refer to illustration 4.15)



Illustration 4.15 - Power Cord in the Notch

22. Lay MiST™ Machine onto its side (opposite the power cord). (Refer to illustration 4.16)

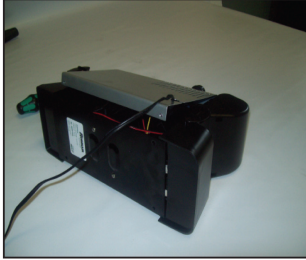



Illustration 4.16 - MiST™ Machine on its Side

23. Install the four outer pan Phillips screws loosely. (Refer to illustration 4.17)



Illustration 4.17 - Install Four Pan Phillips Screws

24. Tighten screws to 11lb-in (1.24 N.m).

 Use a torque screwdriver with a #2 Phillips screwdriver.

25. Install strain relief onto power cord and position strain relief in the impression made by the original assembly.


 Use strain relief or blunt nose pliers. (Refer to illustration 4.18)



Illustration 4.18 - Strain Relief on Power Cord

3. PCB replacement

1. Drain MiST™ Machine of any remaining fluid by tilting the machine forward with the exhaust faced downwards. (Refer to illustration 5.1)



Illustration 5.1 - Exhaust Faced Downwards

2. Remove the strain relief from the main metal body housing.


 Use strain relief or blunt nose pliers. (Refer to illustration 5.2)



Illustration 5.2 - Remove Strain Relief

3. Lay MiST™ Machine onto its side (opposite power cord), and remove the four outer pan Phillips screws.

 Use a #2 Phillips screwdriver. (Refer to illustration 5.3)



Illustration 5.3 - Remove the Four Pan Philips Screws

4. Stand unit upright onto its base.

5. Gently remove the main metal body housing and remove the power cord through the notch. (Refer to illustration 5.4)



Illustration 5.4 - Remove Main Metal Body Housing

Har du tenkt over hva du puster inn?



Vi har en metode som fjerner alle bakterier og vond lukt fra aircondition og kupé

Nesten halvparten av befolkningen er overfølsomme for støv, pollen og andre mikroorganismer. Mikroorganismene trives ikke bare inne i bilens ventilasjonsanlegg, men kan også forårsake irritasjon av slimhinner og luftveier hos mennesker.