



SERVICE INFORMATION

SI No. 871-2322	Date May 2002	9-5
PI No.	Distr. all	

Not possible to regulate temperature on either left or right-hand side in front

Cars affected

All 9-5 MY98-

Background

It is not possible to regulate the temperature on either the left or the right-hand side in the front. Error code B2295 may be present if the right-hand shaft is broken, and B2495 if the left-hand shaft is broken.

Important

This service information applies if one of the damper shafts is broken.

Symptom description

Difficult to regulate the temperature.

Error code B2295

Error code B2495

Parts required

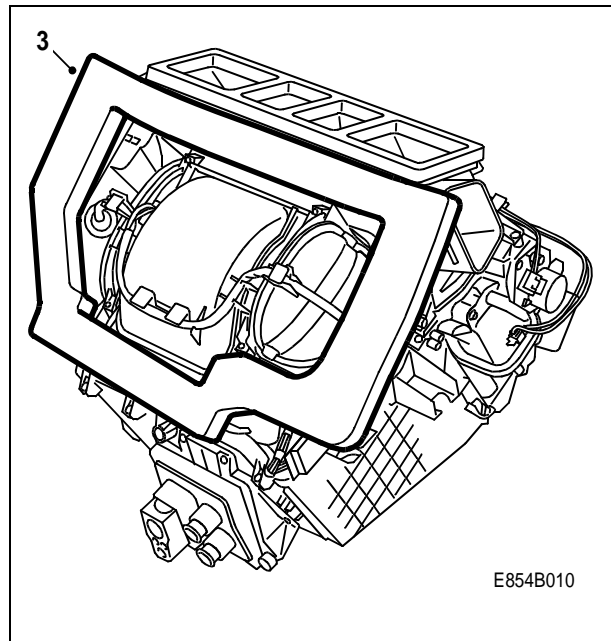
Parts required for removed heating and ventilation unit. (Parts required for removing/fitting heating and ventilation unit not included.)

53 35 831 (CA: 30591598) service kit,
heating and ventilation unit, LHD

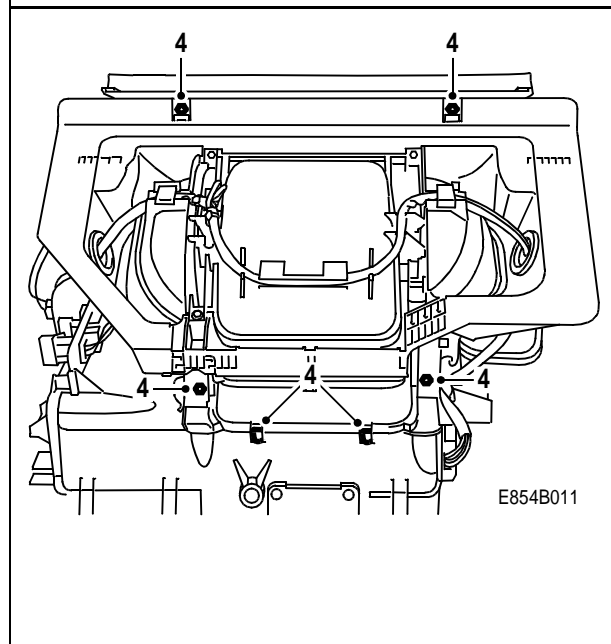
79 71 864 (CA: 30509025) cable tie (x2)

Procedure

- 1 Select the VENT air distribution setting.
- 2 Remove the heating and ventilation unit from the car, as described in WIS 9-5 MY02 - 8. Body - Heating and ventilation, A/C - Adjustment/Replacement - Climate control unit.
- 3 Remove the foam seal from around the fan unit.



- 4 Remove the fan housing by removing the 4 screws and 2 clasps.

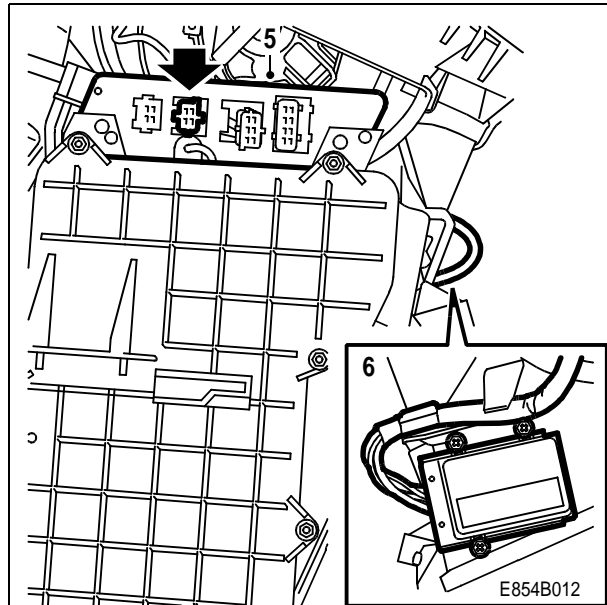


5 Remove the plate that holds the connectors from the right-hand side. Unplug the temperature sensor connector, the lead of which enters the heating and ventilation unit via a rubber grommet on the plate.

6 **LHD:**

Remove the fan control module on the left-hand side by removing the 3 screws (4 screws on models with a transparent water barrier in front of the fan control module).

7 Lift aside the fan unit.

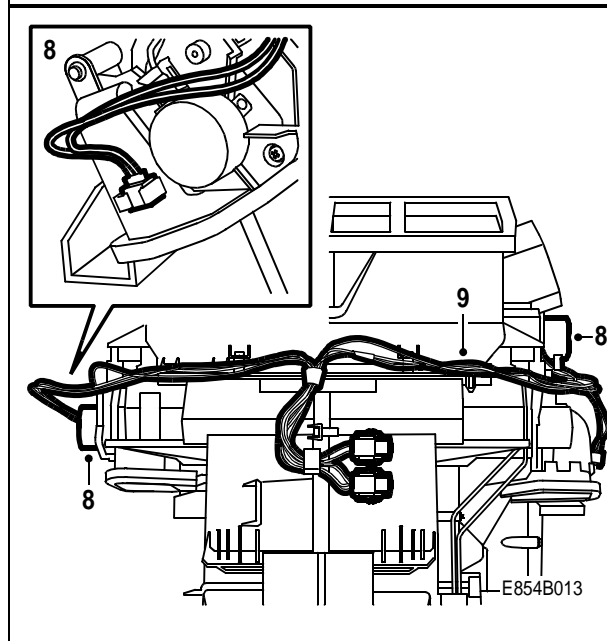


8 Observe and mark which connector is connected to each stepping motor, as well as on which side the two temperature sensors are mounted. These must not be mixed up on reassembly.

9 Unplug the wiring harness and cut the cable ties. Remove the wiring harness.

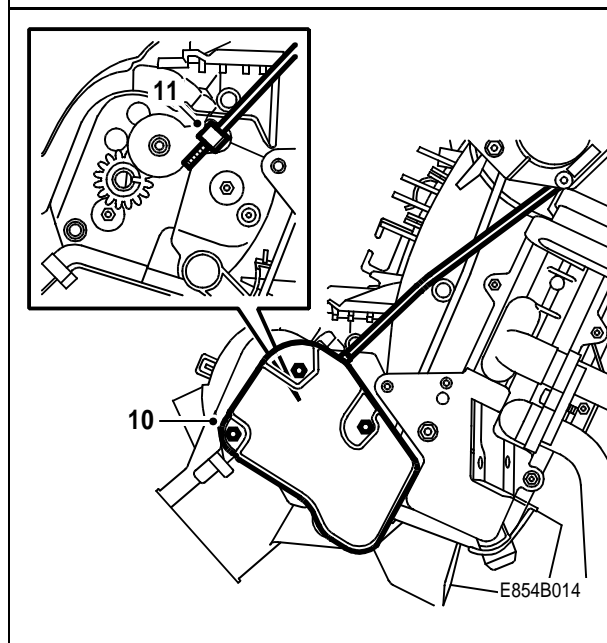
Note

Exercise care so as not to break the catches that hold the temperature sensors in place.



10 The rear air distribution valve must be removed before removing the air distribution housing. Remove the 3 screws securing the cover and remove the cover.

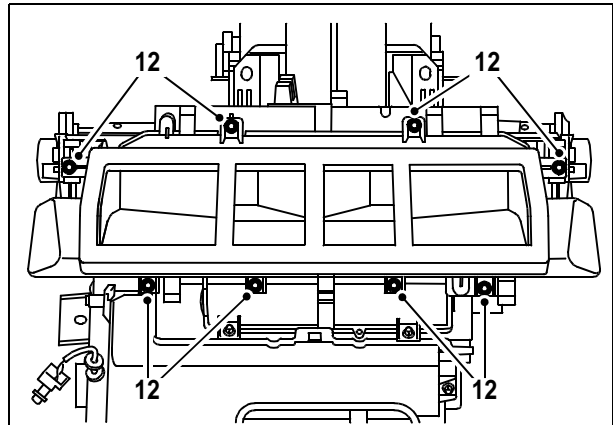
11 Carefully open the clasp securing the control rod to the rear air distribution valve.



- 12 Undo the screws from the air distribution housing.
- 13 Remove the control rod.
- 14 Carefully lift aside the air distribution housing.

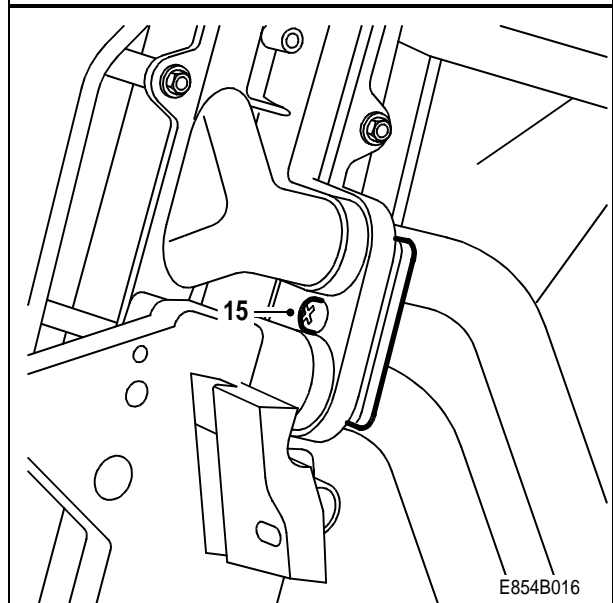
Note

Take care to prevent the control rod from catching and damaging anything.



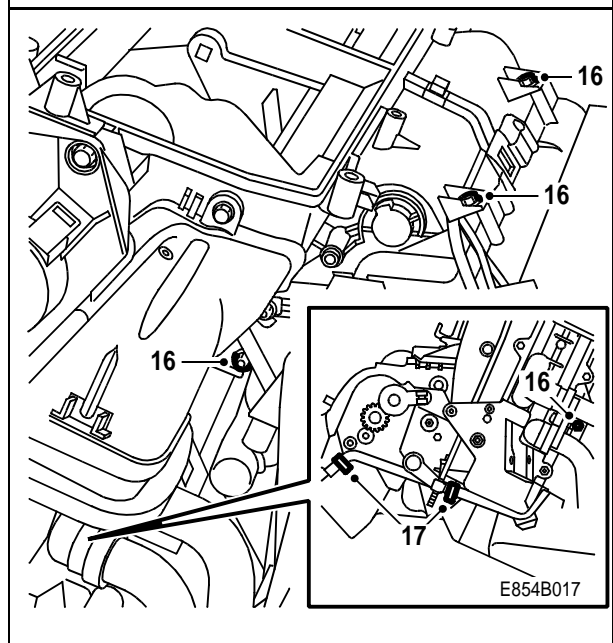
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- 15 Detach the pipes from the heat exchanger by removing the bracket.



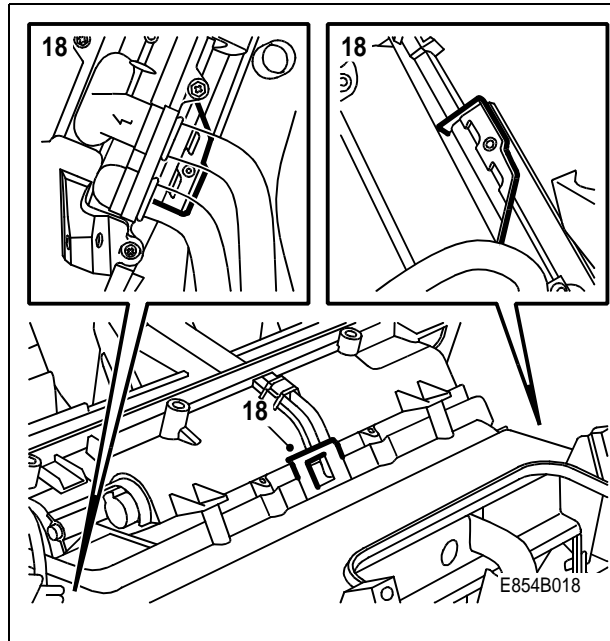
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- 16 Undo the screws from the heat exchanger housing.
- 17 Remove the clasps on the side of the heat exchanger housing.

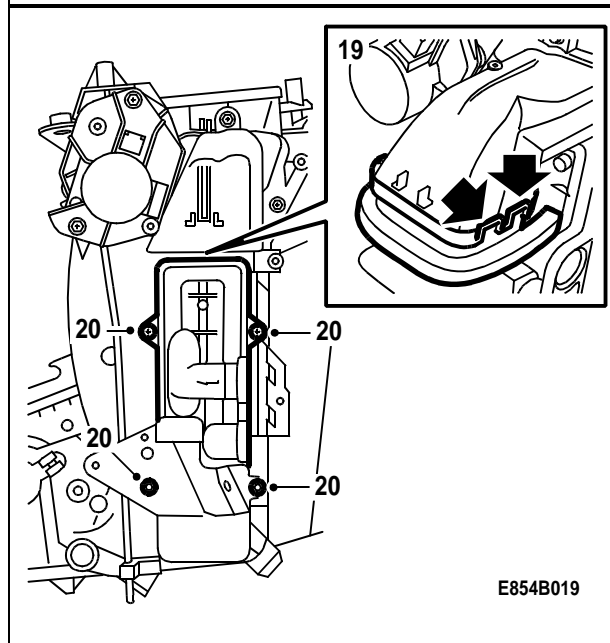


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- 18 Remove the heat exchanger housing by opening the 3 plastic catches. Lift away the heat exchanger housing from the evaporator casing. Clean the bottom of the evaporator casing and the drain hole.



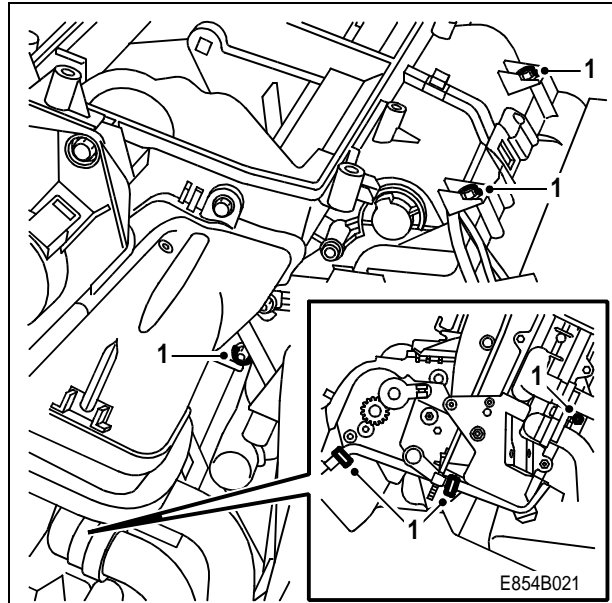
- 19 Remove the collar from the air outlet.
- 20 Remove the 2 screws securing the cover over the heat exchanger, and the 2 remaining screws securing the heat exchanger. Carefully withdraw the heat exchanger.



To fit

- 1 Fit the new heat exchanger housing to the evaporator casing. Tighten the screws and fit the 4 clasps. Make sure the air shield on the heat exchanger housing bears against the seal and the guide in the evaporator casing.

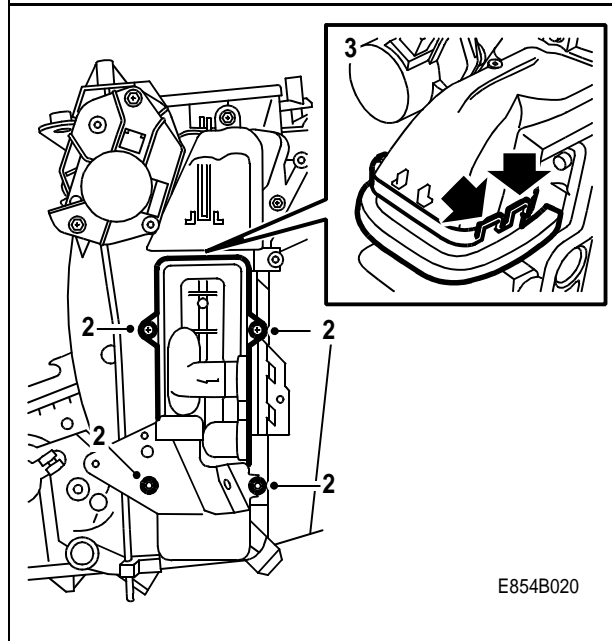
Tightening torque 1.4 Nm (1 lbf ft)



- 2 Fit the heat exchanger housing by carefully inserting the heat exchanger into the heat exchanger housing and tightening the 2 upper screws. Fit the cover over the heat exchanger and tighten the 2 lower screws.

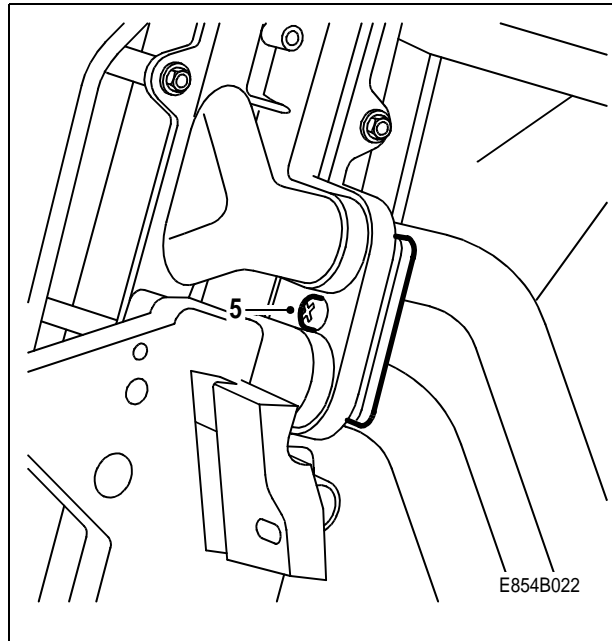
Tightening torque 1.4 Nm (1 lbf ft)

- 3 Fit the collar to the air outlet.
- 4 Fit new O-rings, greased with acid-free vaseline, to the heat exchanger pipes. Take care not to damage the O-rings.



- 5 Fit the pipes to the heat exchanger using the screw on the bracket. Take care not to damage the O-rings.

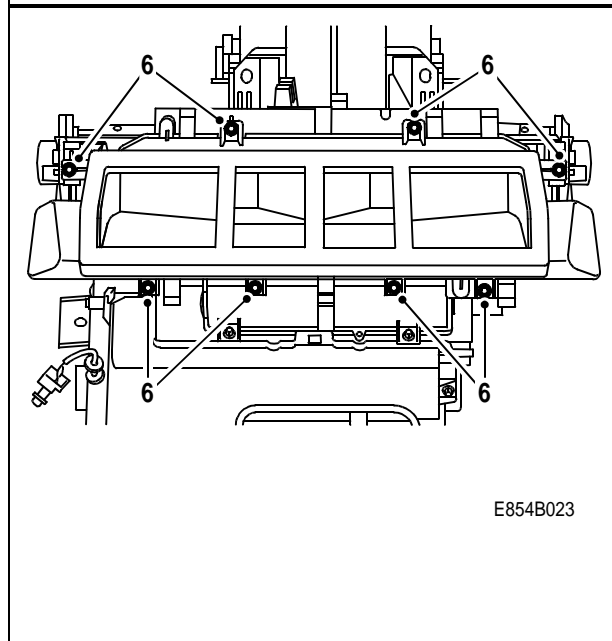
Tightening torque 3.5 Nm (2.6 lbf ft)



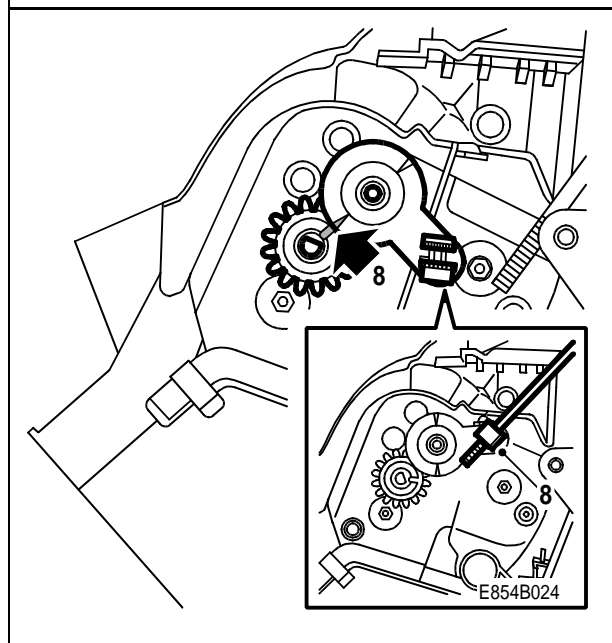
- 6 Position the air distribution housing. Carefully pass through the control rod to the rear air distribution valve. Tighten the screws.

Tightening torque 1.4 Nm (1 lbf ft)

- 7 If necessary, raise the stepping motor linkage in the air distribution housing so that the two centre air outlets on the top side open fully.

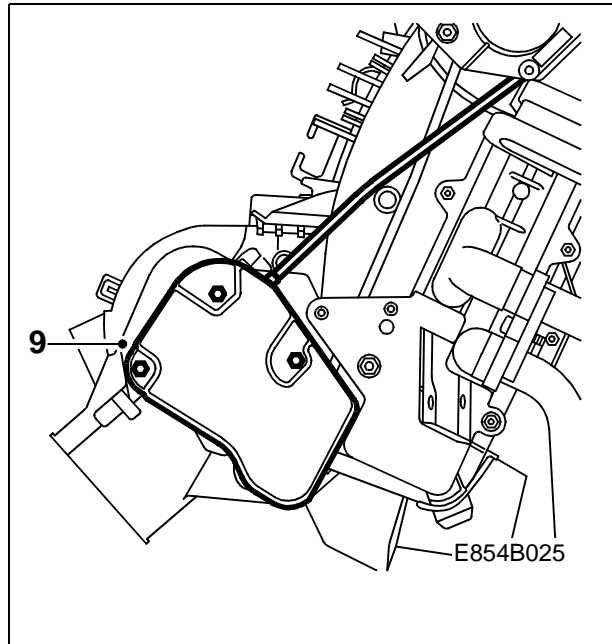


- 8 Transfer the linkage gear for the rear air distribution valve from the old to the new heat exchanger housing. Make sure the markings on the gears are aligned, then turn the linkage gear to the stop. Insert the control rod and lock the clasp.



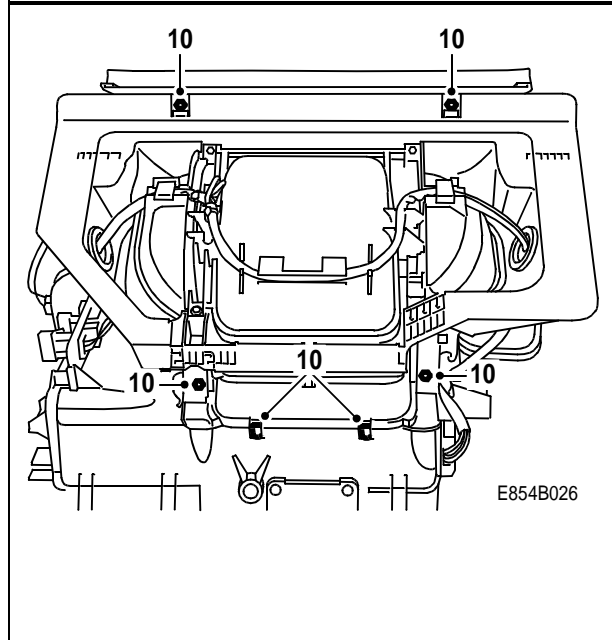
9 Fit the cover by the rear air distribution valve.

Tightening torque 1.4 Nm (1 lbf ft)



10 Position the fan housing. Tighten the screws securing the cabin fan housing and fit the 2 clasps.

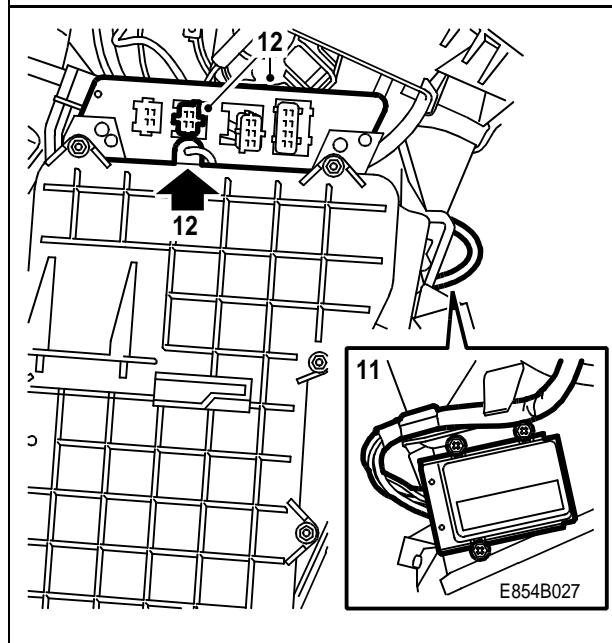
Tightening torque 1.4 Nm (1 lbf ft)



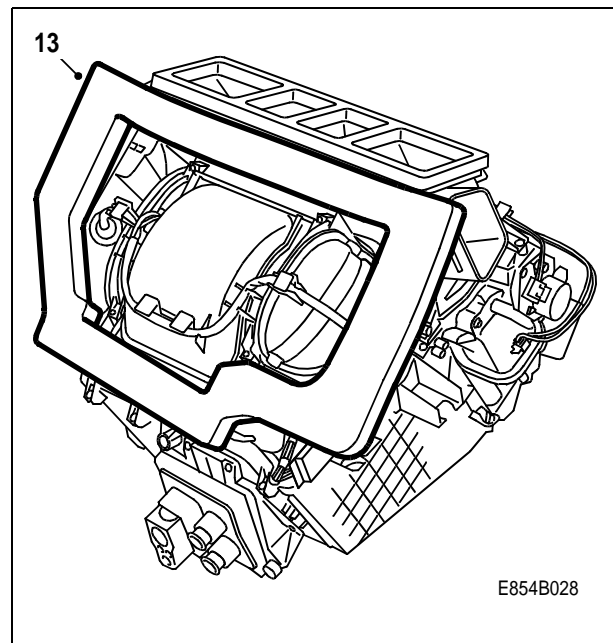
11 Fit the fan control module and route the wiring up under the clasp. Where applicable, fit the water barrier.

Tightening torque 1.4 Nm (1 lbf ft)

12 Fit the temperature sensor connector to the plate and fit the plate to the heat exchanger housing. Make sure to guide the rubber grommet into the plate.



13 Fit a new foam seal around the fan housing.



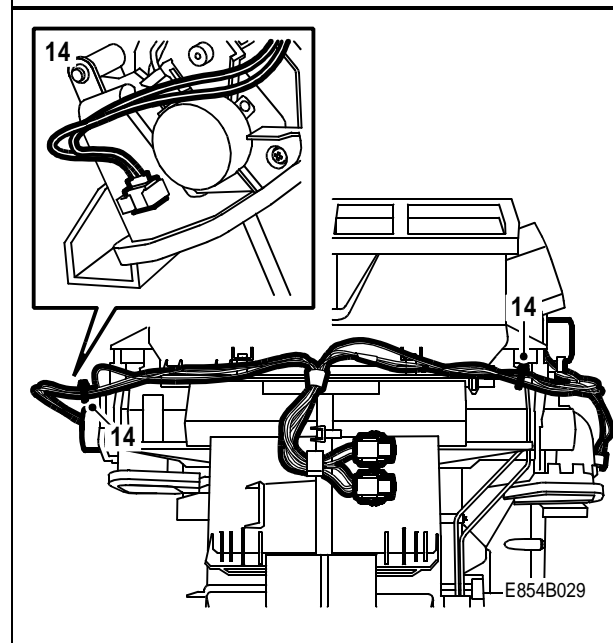
14 Fit and plug in the wiring harness. Carefully make holes with the temperature sensors and position these. Secure the wiring harness with cable ties.



WARNING

Make sure the wiring harness cannot come into contact with moving parts by the motors.

15 Fit the heating and ventilation unit, as described in WIS 9-5 MY02 - 8. Body - Heating and ventilation, A/C - Adjustment/Replacement - Climate control unit.



Time/Warranty information

To resolve a customer complaint for a vehicle **in warranty**, submit a claim using the following information:

Failed object: 85440

Fault/Reason code: 31

Location code: 09 (US=9)

Warranty Type (US): 01

Repair/Action code: 01

Labor operation (US): 8544002 9.2 hrs + 1281601 1.3 hrs

(CA: D2109 9.2 hrs excl. draining and charging the A/C system)