

Damper motor

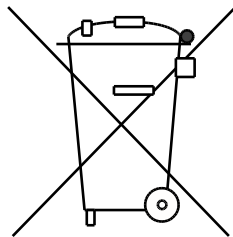
Escalade

Part instruction

Rev. 2.2

en

Dantherm[®]
CONTROL YOUR CLIMATE



Der tages forbehold for trykfejl og ændringer
Dantherm can accept no responsibility for possible errors and changes
Irrtümer und Änderungen vorbehalten
Dantherm n'assume aucune responsabilité pour erreurs et modifications éventuelles

How to replace the damper motor

Introduction The damper motor keeps the damper in the right position according to the signals from the control board. This is done in order to use the ambient air for cooling. When the Escalade is in free cooling range, the damper motor opens and closes the damper as determined by the control board.

When to replace The damper motor only needs to be replaced when it is faulty. Typically faults would be that the damper does not move at all.

Part number See the service manual for part number information.

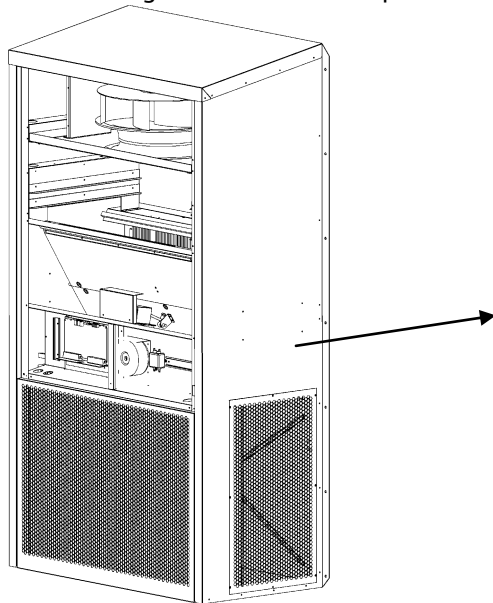
Tools Make sure you have the following tools available before you start:

- Torx 25 screw driver
- A 10 mm wrench
- A 8 mm wrench
- A ratchet spanner for torx 25 screws

Caution!

- Only trained and certified technicians are allowed to replace parts
- Switch of both the DC and AC supply before working on the unit
- Make sure that all work has been performed before switching on the power again

Illustration This drawing illustrates the damper motor and where it is placed in the unit.

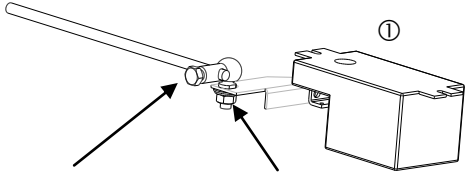


Continued overleaf

How to replace the damper motor, *continued*

Procedure

Follow these steps to replace the damper motor:

Step	Action
1	Switch off all the power to the unit
2	Unscrew the 2 torx 25 screws that hold the top front cover in place and remove it
3	Disconnect the damper motor from the DC voltage (white 3 pole plug)
4	Unscrew the 10-mm nut that holds the damper arm connected to the damper motor arm
 <p>Do not loosen! 10 mm nut</p>	
<p>Note: Do not loosen or remove the bolt that is used for adjusting the damper.</p>	
5	Unscrew the 2-crosshead screws that hold the damper motor to the cabinet. Push the black switch down, to be able to unscrew the 2-crosshead screws, and then pull the damper motor bracket out from the unit. Note: To be able to remove the screws, use e.g. a ratchet spanner. Result: The damper motor can now be removed
6	Unscrew the two 8 mm bolts and remove the bracket
7	Mount the bracket from step 6 on the new damper motor
8	Move the damper motor arm on the faulty damper motor to the new damper motor
9	Mount the new damper motor and the front cover by following the above steps in reverse order
10	Switch the knob (direction of rotation) on top of the damper motor (see illustration step 4, ①) from 1 to 0
11	Connect the power and run the test program. Check that the unit does not come out with an alarm signal.

Contact Dantherm

Dantherm Air Handling A/S
Marienlystvej 65
7800 Skive
Denmark

Phone +45 96 14 37 00
Fax +45 96 14 38 00

infodk@dantherm.com
www.dantherm.com

Dantherm AS
Postboks 4
3101 Tønsberg
Norway
Besøksadresse: Løkkeåsvn. 26
3138 Skallestad

Phone +47 33 35 16 00
Fax +47 33 38 51 91

dantherm.no@dantherm.com
www.dantherm.no

Dantherm Air Handling AB
Virkesgatan 5
614 31 Söderköping
Sweden

Phone +(0) 121 130 40
Fax +(0) 121 133 70

infose@dantherm.com
www.dantherm.se

Dantherm Air Handling (Suzhou) Ltd.
Bldg#9, No.855 Zhu Jiang Rd.,
Suzhou New District, Jiangsu
215219 Suzhou
China

Phone +86 512 6667 8500
Fax +86 512 6667 8500

dantherm.cn@dantherm.com
www.dantherm-air-handling.com.cn

Dantherm Limited
12 Windmill Business Park
Windmill Road, Clevedon
North Somerset, BS21 6SR
England

Phone +44 (0)1275 87 68 51
Fax +44 (0)1275 34 30 86

infouk@dantherm.com
www.dantherm.co.uk

Dantherm Air Handling Inc.
110 Corporate Drive, Suite K
Spartanburg, SC 29303
USA

Phone +1 (864) 595 9800
Fax +1 (864) 595 9810

infous@dantherm.com
www.dantherm.com



013509

Dantherm Air Handling A/S

Marienlystvej 65

7800 Skive

Denmark

www.dantherm.com

service@dantherm.com

Dantherm®
CONTROL YOUR CLIMATE