Husqvarna

Service bulletin **2009-03-17**

DMS240

DMS 240 bearing support and thermal circuit breaker replacement.

During quality control, two issues with DMS 240 have been found.
This service bulletin describes how to check, and how to solve them.

Rotor misalignment
Compared to the stator, the rotor might be out of alignment.
This is compensated by a new bearing support.

Thermal circuit breaker
There is a new improved thermal circuit breaker for the 230V version

As from serial number **1287**, this update is done in production.
During a limited period of time, all DMS 240 will be marked with a red sticker.
(See picture 14)
Also the DMS 240 package is marked with a similar red sticker.

With a previous serial number, check if the gear box has a red sticker attached.
If a red sticker can be found, the machine is already updated.
Then the correct bearing support, and thermal circuit breaker, is installed.
If no red sticker is found, check the machine, and replace parts if necessary.

A complete work instruction, on how to replace the parts, can be found in this service bulletin.

This update should only be made on machines in local stock. If the DMS 240 is faulty, the problems occur in the first 5 minutes of use. Therefore, already sold DMS 240, could be left unattended.

DMS 240 Bearing support replacement

1. Remove the two screws with a large flat bladed screwdriver and remove brush from motor housing.

2. Remove the four Philips head screws securing the back cap and remove the cap

Picture 1. Removal of brushes

Picture 2. removing the back cap screws

3. Remove the small Philips head securing the cable clamp.

4. Remove the four hex screws on the motor housing and remove the housing.

Picture 3 removal of the cable clamp

Picture 4 removal of the motor house screws

5. Remove black plastic air leader from inside the motor housing.

6. Tighten the two stator screws to 3Nm using a torque wrench as seen in picture 6.

Picture 5 Remove the black plastic air leader

Picture 6 Tighten stator screws

7. Remove the bearing support from the motor housing

8. Assemble the new bearing support on the rotor bearing (heat the bearing support with a hot air gun to ease installation). After installation gently tap the rotor shaft with a rubber mallet to make sure that the rotor is seated correctly in the gearbox.

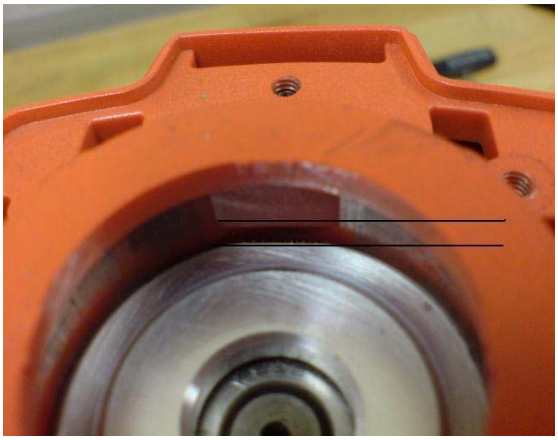
Picture 7 removal of the bearing support

Picture 8. Assembling the bearing support

9. Reinstall the black plastic air leader in the motor housing as shown in picture 9.

10. Reposition the motor housing over the rotor. Make sure that the flat side on the bearing support is parallel to the flat surface of the motor housing as shown in picture Push the housing forward until bearing support is in place.

Picture 9. Install air leader in the housing as in picture



Picture 10. Planes should be parallel

11. Reinstall the four hex screws securing the motor housing and tighten to 4Nm

12. Reinstall the two brushes and screws.

Picture 11. Tighten motor housing screws to 4Nm

Picture 12. Reinstall brush and screw

13. Reinstall back cap and tighten the four Philips head screws.
14. Place one red sticker on gearbox

Picture 13. Reinstall back cap screws

Picture 14. Sticker is placed on gearbox

For 230V machines: Start machine and measure the current. The current should drop to below 4 amps within the first 4 seconds and stay under 4 amps for one minute.

For 110V machines: Start machine and measure the current. The current should drop to below 8 amps within the first 4 seconds and stay under 8 amps for one minute.

DMS 240 Thermal circuit breaker identification

The new thermal circuit breaker for the 230V drill motor is identified by checking the color of the sealing boot. The new type shown in picture 1 has a blue silicone dust cover.
The old type shown in picture 2 has a white silicone dust cover.

If a machine has the old type of breaker, this should be removed and the new type should be installed. Be careful not to damage any of the electrical cables during the installation.

Picture 1. New type with blue silicone dust cover (522 81 11-02)

Picture 2. Old type with white silicone dust cover(522 81 11-01)

The thermal circuit breaker is also easily recognized by checking the color of the reset button.
The new breaker shown to the left in picture 3 has a white reset button and blue silicone dust cover.
The old breaker shown to the right in picture 3 has a black reset button and a white silicone dust cover.
The threads on the breakers are also different so only the correct dust cover should fit correctly.

Picture 3. The new circuit breaker is shown to the left and old type to the right

Old Part no.	Replaced with
522 81 11-01	522 81 11-02