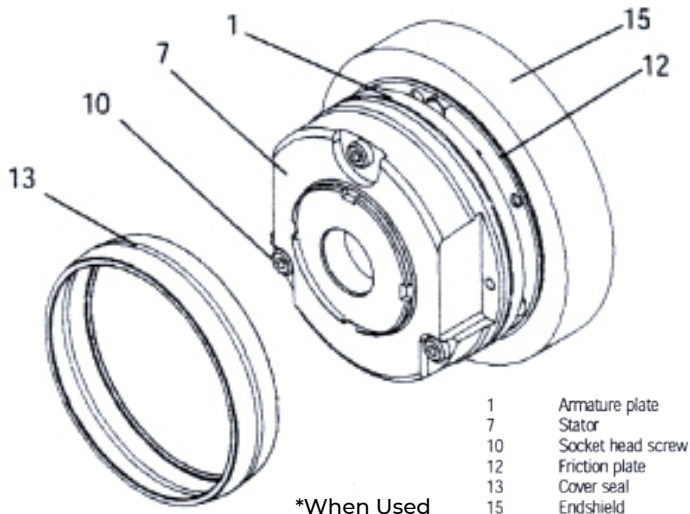


### Lenze BFK458 Brake Adjustment Instructions

1. Verify the power has been turned off. (Lock out-Tag out)
2. Verify the brake is at a safe temperature to work on.
3. Using a feeler gauge, check the air gap setting at three different triangulated positions.
4. Record the settings at each position.
5. Inspect the brake to make sure there is no damage.
  - A. Most brake coils/magnet assemblies are 300 ohms to 1,200 ohms when good.
  - B. Brake coils/magnet assemblies with an open reading, short circuit, or short to ground must be replaced.
6. Verify the torque setting is correct.
  - A. Tighten the adjusting ring until it is against the magnet housing.
  - B. Loosen the adjusting ring until it is at the first click.
7. Loosen the Socket Head Cap Screws about 1/4 turn.
8. Remove the dust cap if applicable.
9. In a safe manner, blow out any brake dust.
10. Evenly adjust the air gap spacer nuts.
11. Tighten the Socket Head Cap Screws.
12. Using a feeler gauge, check the air gap setting at three different triangulated positions.
13. Verify the air gap is set to what is recommended in the manual on all three triangulated positions.
14. If the setting is not to the manual specifications, repeat steps 7 to 14 until the air gap is properly set.
15. If the air gap was out of the maximum requirement, the following can be done to find out the frequency needed for the brake adjustment
  - A. Record the date of the adjustment and the air gap setting.
  - B. In one month, record the air gap and compare the reading to the date of the adjustment. This will determine the frequency needed to adjust the motor brake as long as there is no change in the hoist operation and the load brake is working properly.
  - C. Set the air gap according to steps 7 to 14.
  - D. Schedule the maintenance of the motor brake before the air gap gets to the maximum setting in the manual.

Warning: The brake coil/magnet assembly and rectifier can be damaged if the air gap exceeds the maximum setting.



Size	Air Gap Set	Air Gap Max
6	.2mm .008"	.3mm .012"
8	.2mm .008"	3mm .012"
10	.2mm .008"	.3mm .012"
12	.3mm .012"	.45mm .018"
14	.3mm .012"	.45mm .018"
16	.3mm .012"	.45mm .018"
18	4mm .016"	.6mm .024"