

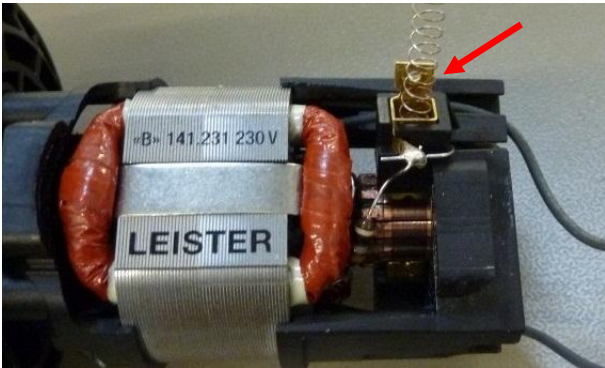


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7.3 Check carbon brushes

Remove carbon brushes, measure its length and replace them if their length measure 4mm or even less. Check both carbon brushes! If the carbon brushes are not to be replaced make sure to re-insert them the same way (same place, same direction); otherwise the abrasion due to commutator adaption would exceed.

Calliper gauge, scale

	Disassemble tool according to chapter 5.1
	Carefully bend up the ear of the carbon brush support and remove carbon brush Caution, spring is under tension!
	Measure length of carbon brush Check contact surface for scorch marks (if a "carbon brush jam" is detected replace carbon brushes as well as carbon brush supports) Check both carbon brushes!
	Re-insert carbon brushes in the same fitting positions. Press springs in brush supports and bend ears to closed positions
	Function check according to chapter 7.1 Assemble tool according to chapter 5.2