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Advantages of Brush Cartridge/Side Exiting Leads Design over Cantilever Brush/Side Exiting Terminals Design

1. More consistent brush pressure over the life of the motor due to torsion spring design results in longer life and lower EMI & RFI
2. More brush volume due to greater length and cross-sectional area results in longer life
3. Greater brush cross-sectional area results in lower current density through the brush and therefore longer life
4. Provides ability to mount components for electrical noise suppression inside the motor body
5. Eliminates need to solder close to the motor body which minimizes possibility that soldering will damage motor
6. Provides a lower lead exit profile for fitting in tight spaces
7. Allows the motor to be more easily fitted with a cover/sleeve for IP protection