

# INCREASE ELECTRIC VEHICLE RELIABILITY WITH SHAFT GROUNDING SOLUTIONS

## THE DAMAGING EFFECTS OF EDM IN ELECTRIC VEHICLES

- Excessive shaft voltage created within electric vehicle motors causes Electrical Discharge Machining (EDM). Without proper shaft grounding, EDM leads to significant vibration, noise and, eventually, bearing failure.
- Ceramic bearings are the most common solution employed to protect motor bearings from EDM. Though they protect the motor bearings, stray shaft currents can still pass to coupled equipment, causing EDM failure.
- Inpro/Seal shaft grounding solutions are proven to protect against EDM and work in a variety of environments, including dry, flooded and sprayed with transmission fluid.

To learn more about Inpro/Seal shaft grounding solutions for electric vehicles, visit [inpro-seal.com/EV](https://inpro-seal.com/EV).



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