



eVIBE FOR ELECTRIC VEHICLES

Automotive Vibration Control and Enhancement (AVCE)

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TRANSFORMING THE EV DRIVING EXPERIENCE

eVibe™ is a revolutionary technology that transforms the electric vehicle (EV) driving experience. With a focus on haptic feedback, it goes beyond mere sound to create a truly immersive and engaging drive.

eVibe features rotary actuator technology that generates realistic vibration throughout the vehicle. The product itself is compact, lightweight, and affordable.

eVibe transcends what is currently available in the market - the traditional audio-only enhancements for EVs.

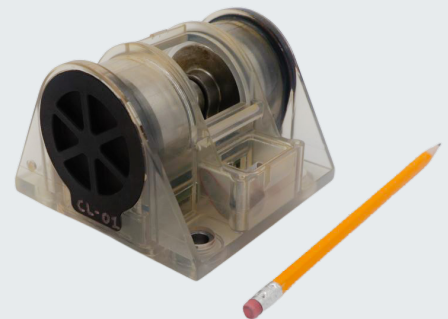
In contrast, eVibe's powerful vibrations integrate seamlessly into the existing sound systems so the driver experiences a complete, realistic, and exhilarating journey that excites the senses and ignites their emotions.

FEEL THE DIFFERENCE

- **Engine Simulation:** Drivers experience the rumble of a high-performance ICE engine, complete with realistic idle, acceleration, and simulated gear shifts.
- **Enhanced Safety Cues:** Haptic feedback from ADAS systems provides a subtle but effective way to communicate vital safety information to the driver.
- **Brand Identity:** With eVibe, you can craft a unique vibration signature that defines your vehicle's personality.
- **Power Surge:** As the vehicle accelerates, the vibrations intensify, mimicking the exhilarating feeling of an internal combustion engine (ICE) pushing the driver forward.



eVibe Circular Force Generator (CFG)



APPLICATIONS

- ICE emulation in EVs
- 3D haptic vibration vehicle feedback and experiences
- Automotive cabin vibration control, including offset of imbalanced engine and masking of road noise or switching events
- Steering column vibration control

MORE BENEFITS

- Customizable vibration profiles, variant options, unique vehicle signatures, and mounting footprints
- Specific targeting using force/frequency modulation
- Scalable system using one to multiple force generators
- Highest efficiency (high force, low weight, low power)
- Minimum part count

TECHNOLOGY PARTNER



eVibe was developed through a partnership between GHSP and Parker Lord. GHSP is a leading global tier 1 supplier of electromechanical systems to the automotive industry. Parker Lord develops and provides AVCE/CFG technology in the aerospace industry.