

Eaton to supply innovative ELocker differential system to leading electrified vehicle manufacturer

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SOUTHFIELD, Mich.--(BUSINESS WIRE)-- Intelligent power management company Eaton today announced it has been selected by a leading manufacturer of electrified vehicles to supply a unique ELocker® differential system for use on a new plug-in electric hybrid (PHEV) SUV. Unlike traditional PHEVs, which use an electric motor and internal combustion engine to power all the drive wheels, the new model leverages an electric motor to power the rear wheels and an electric motor or an optional internal combustion engine (ICE) driving the front wheels.

Eaton has been selected by a top electrified vehicle manufacturer to supply a specialized ELocker® differential system. (Photo: Business Wire)

“The ELocker had to be designed to be compatible with fluid in an electric drive, which is lighter

and has a lower viscosity than axle and transmission oils,” said Mark Kramer, business unit director, ePowertrain, Eaton’s Mobility Group. “To meet this challenge, Eaton engineers made adjustments to traditional ELocker designs by utilizing premium designs, materials, and coatings.”

The Eaton ELocker® differential is an electronic locking differential designed for drivers who want full control and traction on demand. It features net-forged gears offering the strength and durability needed for off-road and recreational driving, while its electronic controls provide driver-selectable operation and added reliability over similar air-controlled products. By simply pressing a dash switch, the differential sends all available torque equally to the left and right wheels, providing maximum traction to overcome challenging terrain.

Learn more about Eaton’s **ELocker® differentials**.

Eaton is an intelligent power management company dedicated to protecting the environment and improving the

quality of life for people everywhere. We make products for the data center, utility, industrial, commercial, machine building, residential, aerospace, and mobility markets. We are guided by our commitment to do business right, to operate sustainably, and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy sources, helping to solve the world's most urgent power management challenges, and building a more sustainable society for people today and generations to come.

Eaton was founded in 1911 and has been listed on the New York Stock Exchange for more than a century. We reported revenues of \$23.2 billion in 2023 and serve customers in more than 160 countries. For more information, visit www.eaton.com. Follow us on [LinkedIn](#).

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