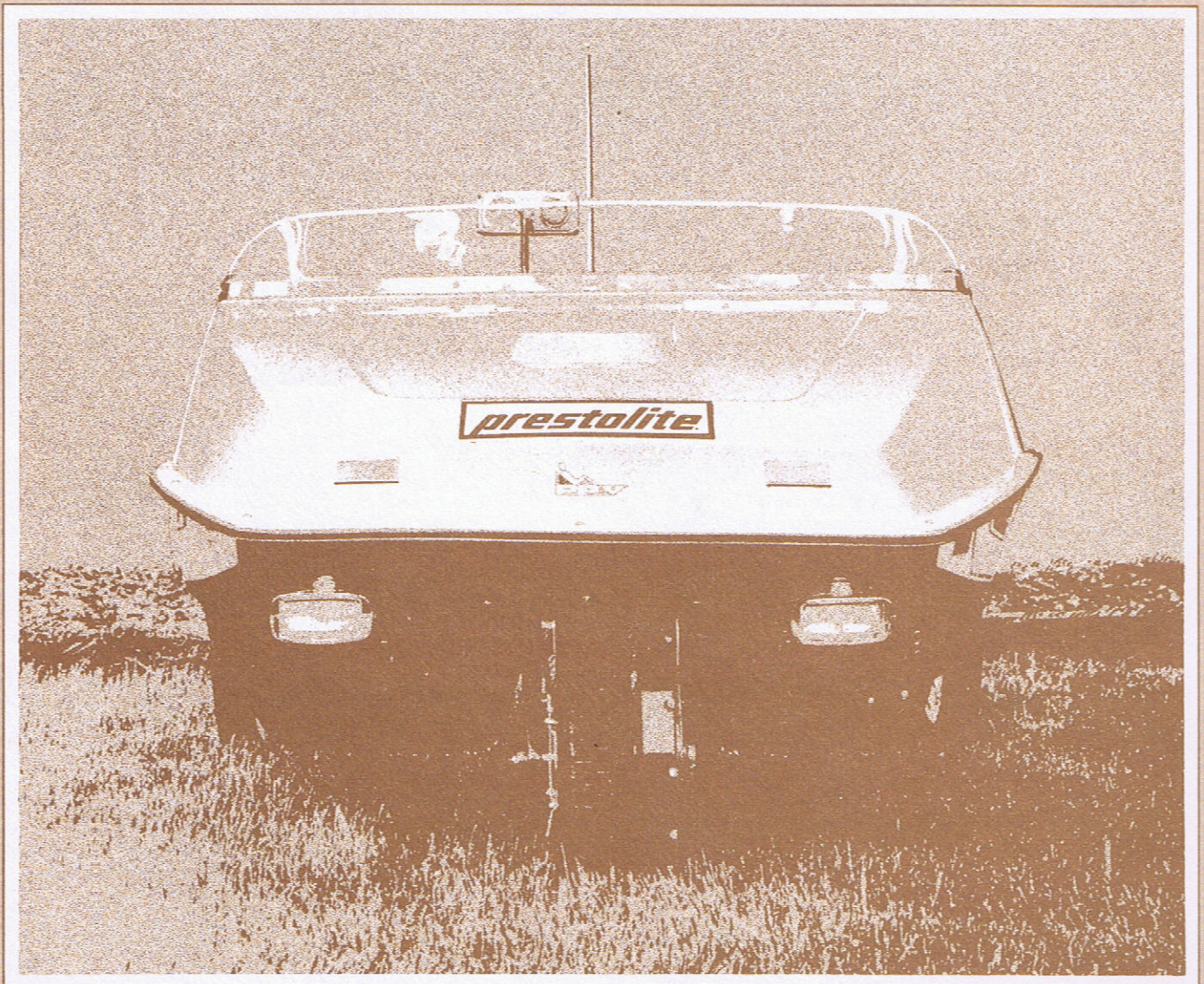




ELECTRIC POWERED VEHICLE

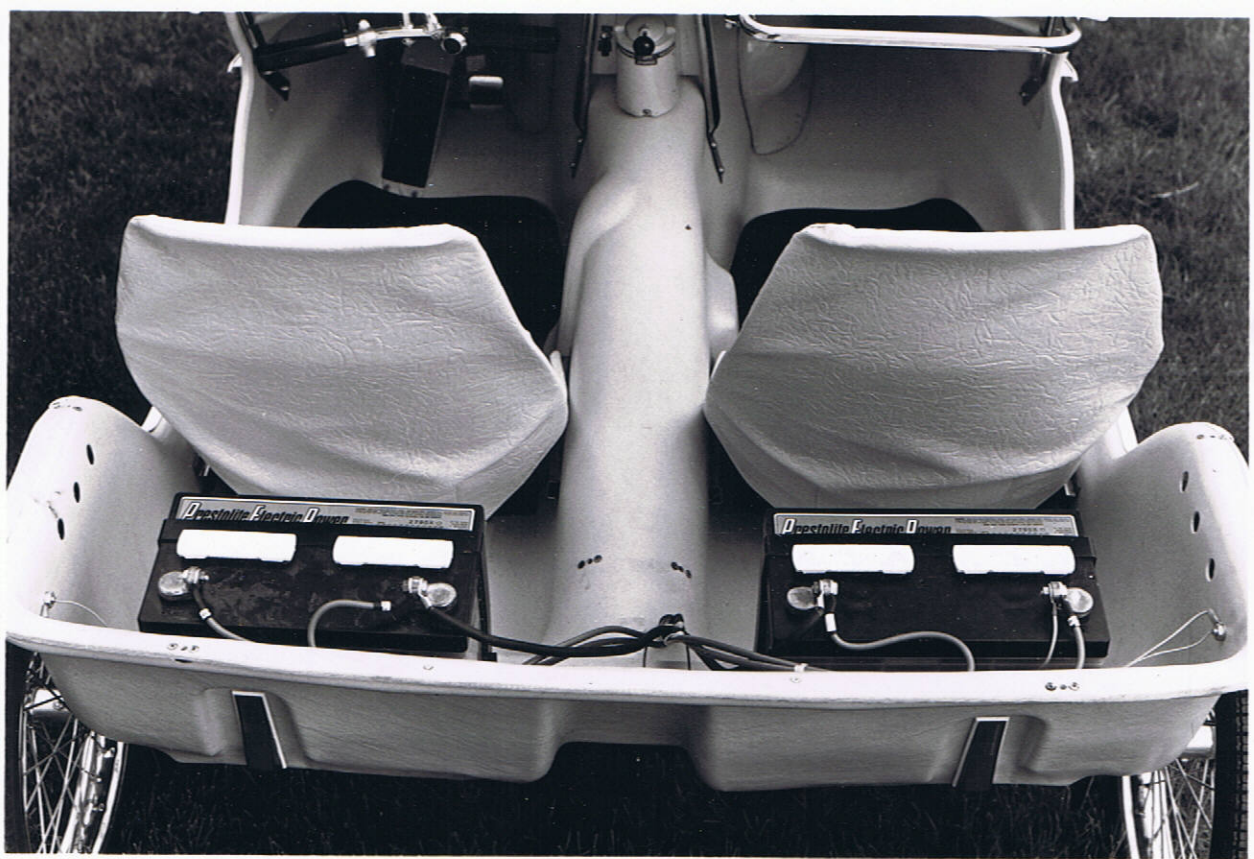




FROM: Dick Rutherford
Director of Marketing
EVI
6345 Product Drive
Sterling Heights, Michigan 48077
313/939-7780

Cutline - - - EPV

This three-wheeled EPV (electric powered vehicle) gains its propulsion from a Prestolite electric motor energized by two 12-volt Prestolite batteries. The unit also has a 24-volt on-board charger, part of the Prestolite Energy Package, which is activated by plugging into a household outlet.



FROM: Dick Rutherford
Director of Marketing
EVI
6345 Product Drive
Sterling Heights, Michigan 48077
313/939-7780

Cutline - - - Batteries

The storehouse for energy for the EPV (electric powered vehicle) is shown in this photo. The two 12-volt Prestolite batteries are of special design for use in recreational vehicles as well as in lawn and garden care equipment. The batteries are available with manifold venting to prevent gases or acid from entering the passenger compartment. Special terminals on the batteries permit easy cleaning as well as a quick connect or disconnect feature. The batteries can be brought to full charge in a relatively short period of time by an on-board charger, part of the Prestolite Energy Package. Current for the charger can be supplied from a household outlet.

FROM: Dick Rutherford
Director of Marketing
EVI
6345 Product Drive
Sterling Heights, Michigan 48077
313/939-7780
May 1973

ELECTRIC POWERED VEHICLE
DEBUTS AT INDIANAPOLIS SPEEDWAY

A new concept in a recreational and utility vehicle is making its bow before the backdrop of the Indianapolis Motor Speedway which through the famed Indy 500 has made many contributions to the automotive world.

The new vehicle, tentatively identified as EPV or electric powered vehicle, has a forerunner in the PPV or people powered vehicle. The latter is propelled by pedal power of the driver and passenger.

EVI, the manufacturer located at Sterling Heights, Michigan, has supplied six EPV's and 10 PPV's to Indy track officials and Goodyear representatives as well as ABC television officials at the speedway. The vehicles are equipped with Goodyear tires.

The EPV is powered by a Prestolite-made electric motor which carries a one horsepower continuous rating. Power is provided to the motor from a Prestolite electric power package which includes two 12-volt Prestolite batteries and an on-board charger for the batteries. The batteries can be recharged by plugging the charger into a standard household outlet.

The vehicle with fully charged batteries has a range of approximately 20 miles at a test speed of about 17 miles an hour. EVI officials in making the tests utilized a payload of 400 pounds and had three stops and starts per mile. The vehicle weighs about 325 pounds.

The EPV was developed for EVI by Antares Engineering, Inc., Troy, Michigan, an affiliated company. The firm also developed the PPV. Basic appearance of both vehicles is the same.

The three-wheeled vehicles have motorcycle hook-bead rim wheels with heavy-duty spokes and tires. The rear wheels are 21 inches in diameter and the front wheel is 16 inches.

The plastic-bodied vehicles utilize high impact resistant polyethylene with impregnated color for the lower body shells and seats and ABS with Korad overlay for the hood. The body rests on a steel T-frame.

The EPV is steered from the left side, utilizing an aircraft-type handlebar. The manufacturer claims the low-slung aircraft-type three-wheel stance provides excellent maneuverability together with a high degree of stability. Turning radius is about 12 feet. A heavy-duty nose wheel drum brake is operated by a lever on the steering handle.

Standard items on the EPV include electric horn, electric headlights, and taillights. Optional equipment includes a sun top, a protective top for rainy weather, and an FM stereo radio.

EVI officials expect to have the EPV marketed through the United States in five to six months.

FROM: Dick Rutherford
Director of Marketing
EVI
6345 Product Drive
Sterling Heights, Michigan 48077
313/939-7780
May 1973

PRESTOLITE ENERGY PACKAGE
HEART OF EPV

The source of power for the EPV (electric powered vehicle) is supplied by the Prestolite Energy Package consisting of two 12-volt batteries and a charger.

The batteries have been specifically designed by Prestolite for use in recreational vehicles such as the EPV as well as for lawn and garden care equipment including riding mowers.

The 12-volt battery is available with a manifold venting feature which directs gases and acid fumes toward the bottom of the unit. This keeps gases and fumes from entering the passenger compartment of the vehicle. Other features of the energy unit are special terminals which permit ease of cleaning as well as quick connect or disconnect from cables. The batteries have special separators for deep cycle service and vibration resistance.

The charger is rated at 24 volts and is activated by plugging its cord into a standard household outlet. The charger has a ferroresonant transformer which compensates for fluctuations in line voltages from the house electrical system. Recharging can be accomplished in a relatively short time. The recharging cycle varies according to the state of battery charge.

FROM: Dick Rutherford
Director of Marketing
EVI
6345 Product Drive
Sterling Heights, Michigan
313/939-7780
May 1973

NEWLY DEVELOPED MOTOR
UTILIZED IN EPV

The power plant for the EPV (electric powered vehicle) has been developed recently and put into production by the Prestolite Electrical Division of Eltra Corporation.

The motor has been designed specifically for driving an electric vehicle. Measuring 5-9/16 inches in diameter, the motor is rated at 1-1/2 horsepower for intermittent operation and at 1 horsepower in continuous usage.

The motor is the permanent magnet type. Prestolite manufactures many permanent magnet type motors but this is the first of a new series of mid-size models. The motor's shaft rotates in ball bearings.

