A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

HEV Fleet Testing
Advanced Vehicle Testing Activities

**Vehicle Specifications**

**Engine:** 3-cylinder, 48 kW @ 5700 rpm  
**Electric Motor:** 10 kW  
**Battery:** Nickel Metal Hydride  
**Seatbelt Positions:** Two  
**Payload:** 411 lbs  
**Features:** Regenerative Braking  
CVT Transmission

See HEV America Baseline Performance Fact Sheet for more information.

**Fleet Performance**

**Description:**
This vehicle was operated throughout the State of Arizona by Bank One of Arizona’s courier pool. It was operated 24 hours a day, six days a week, transferring documents between branches and a central processing center located in Phoenix on city streets and urban freeways as well in intrastate courier routes, with typical high-speed round trips of 100 to 300 miles.

**Major Operations & Maintenance Events:**
- Replaced CVT transmission and fuel injectors @ 77,054 miles Cost: $3,500 (est. price)  
- Replaced front wheel bearings @ 86,290 miles Cost: $420 (est. price)  
- Need new transmission, throttle position sensor, front lower control arms, brake @ 145,902 miles Est. Cost: $4,500

**Operating Cost:**
- Purchase Cost: $21,170 (10/01)*  
- Kelly Used Vehicle Price: Unknown  
- Sale Price: Testing Complete  
- Maintenance Cost: $0.08/mile  
- Operating Cost: $0.07/mile  
- Total Ownership Cost: $0.29/mile

**Operating Performance:**
- Total miles driven: 145,902  
- Cumulative MPG: 44.05

* Purchase includes dealer price with options plus taxes. It does not include title, license, registration, extended warranty or delivery fee costs. Gas figured at $1.80/gallon.

For more information contact:  
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