

HEV Fleet Testing

Advanced Vehicle Testing Activities



2002 Toyota Prius

VIN #
JT2BK12U920038976

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.

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:

- Rear hub and bearing replaced @ 40,000 Miles Cost: \$321
- ECM replaced @ 127,430 Cost: \$1,218
- Power Steering ECM replaced @ 145,594 Cost: \$699
- Water pump replaced @ 145,602 Cost: \$461

Operating Cost:

- Purchase Cost: \$21,655 (2/02)*
- Kelly Used Vehicle Price: \$10,530 (11/05)
- Sale Price: \$13,500 (10/05)
- Maintenance Cost: \$0.03/mile
- Operating Cost: \$0.07/mile
- Total Ownership Cost: \$0.15/mile

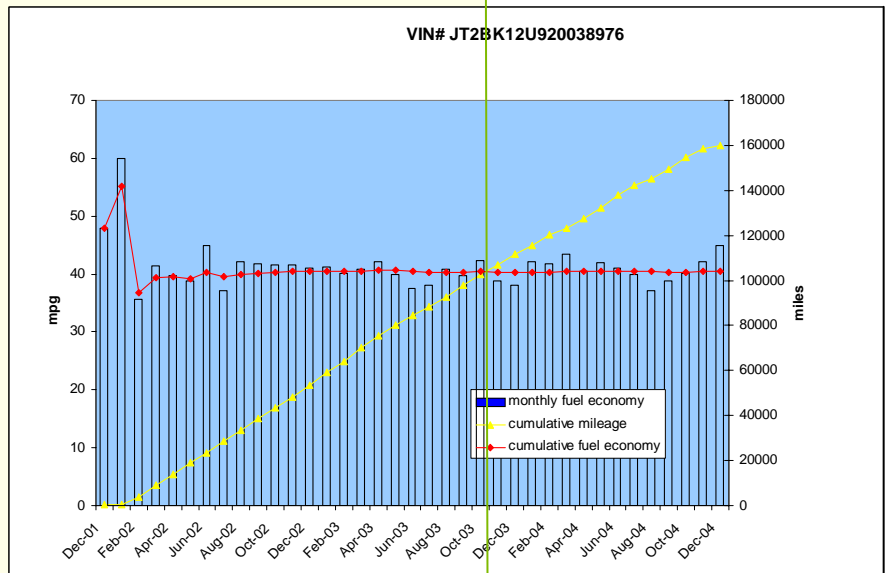
Operating Performance:

- Total miles driven: 160,045
- Cumulative MPG: 40.44

Vehicle Specifications

- Engine:** 4-cylinder, 52 kW @ 4000 rpm
- Electric Motor:** 33 kW
- Battery:** Nickel Metal Hydride
- Seatbelt Positions:** Five
- Payload:** 865 lbs
- Features:** Regenerative Braking
CVT Transmission

See HEVAmerica Baseline Performance Fact Sheet for more information.



For more information contact:
EERE Information Center
1-877-EERE-INF (1-877-337-3463)
www.eere.energy.gov

* 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.



FREEDOMCAR & VEHICLE TECHNOLOGIES PROGRAM

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Maintenance Sheet for 2002 – Toyota Prius Hybrid



VIN #JT2BK12U920038976

Date	Mileage	Description	Cost
3/22/2002	7,607	Changed oil, rotated tires	\$27.00
5/9/2002	15,309	Changed oil, rotated tires	\$27.00
6/25/2002	22,523	Changed oil, rotated tires	\$27.00
7/8/2002	24,057	Replace 2 tires out of service	\$127.32
7/29/2002	27,950	Changed oil, rotated tires	\$27.62
8/21/2002	31,897	Check Engine Light on, dealer found an open circuit and broken wire due to manufacturer defect in wire harness of vacuum	NC
9/3/2002	33,432	Changed oil, rotated tires	\$29.00
9/30/2002	38,777	Changed oil, rotated tires	\$29.00
10/17/2002	40,769	Rear Hub and bearing replaced because deteriorated	\$321.26
11/1/2002	43,592	Changed oil, rotated tires	\$29.11
11/17/2002	44,726	Broken wire check engine light	\$-
12/16/2002	51,087	Changed oil, rotated tires	\$30.99
3/17/2003	66,958	Changed oil, rotated tires	\$30.34
4/25/2003	74,980	Changed oil, rotated tires	\$30.67
5/28/2003	80,088	Changed oil, rotated tires	\$30.50
7/7/2003	85,321	Changed oil, rotated tires	\$30.31
7/15/2003	86,263	Check light diagnostic after all light on the dashboard came on	\$85.00



U.S. Department of Energy
Energy Efficiency and Renewable Energy

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FREEDOMCAR & VEHICLE TECHNOLOGIES PROGRAM

8/5/2003	88,466	Changed one tire	\$63.19
8/19/2003	90,775	90K service	\$392.52
11/4/2003	103,228	Changed oil, rotated tires	\$24.71
12/9/2003	108,429	Changed oil, rotated tires	\$26.23
1/30/2004	115,895	30K service	\$390.30
3/26/2004	122,889	Repaired body damage	\$1,079.01
3/30/2004	123,403	Changed oil, rotated tires	\$35.66
4/29/2004	127,430	ECM replacement for failure	\$1,217.70
5/6/2004	128,152	Changed oil, rotated tires	\$28.15
6/2/2004	133,133	Changed oil, rotated tires	\$28.26
6/30/2004	138,241	Changed oil, rotated tires, and computerized alignment	\$80.47
7/28/2004	142,026	Replaced two tires - under warranty	\$37.57
8/9/2004	143,444	Changed oil, rotated tires	\$32.42
8/24/2004	145,434	Changed oil, replaced two tires	\$76.87
8/27/2004	145,594	Replaced power steering ECM for failure	\$699.08
9/2/2004	145,602	Replaced water pump	\$460.83
9/24/2004	148,291	30K service - Replaced drive belt	\$508.44
10/25/2004	153,462	Changed oil, rotated tires	\$22.19
1/10/2005	160,000	Cleaned and resealed battery pack	warranty

