

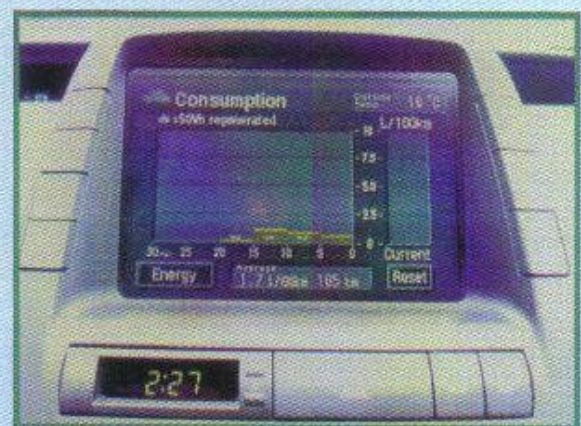
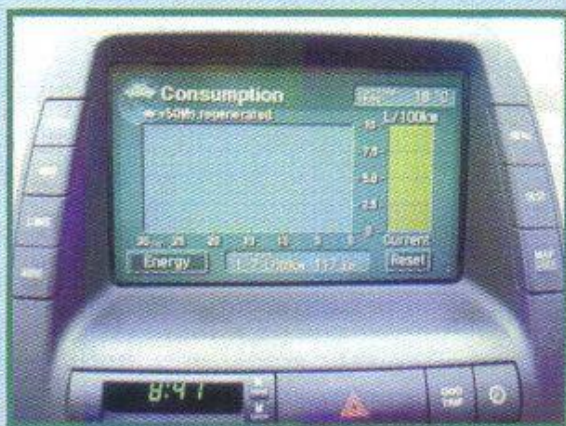
Plug-in Hybrid Electric Vehicle

Safe ❖ Powerful ❖ Low Cost ❖ Simple Add-On



Engineer, Inc.

Hybrid to PHEV Add-On System
50--100% MPG Enhancement, EPA Certified



Field test result: 160 MPG or 1.7 liters/100km Note

Note: In a controlled driving manner (see next page).

Enginer PHEV Technology

Enginer *Plug-In Hybrid Electric Vehicle* conversion kit is proven to be a safe, powerful, effective, low cost and simple upgrade system, with which your Hybrid combines the advantages of an EV and those of a conventional vehicle - PHEV power propels the vehicle for local trips while the original gas tank is used for longer trips.

Enginer PHEV is essentially a “dual fuel” vehicle that contains two energy “tanks” : one that can be filled up with regular gasoline while the other with electric power charged from any standard wall receptacle at home or elsewhere. Your vehicle's fuel consumption can be reduced by 1/2 or 3/5 on your original Hybrid. You can travel up to 20 miles using pure EV mode at lower speeds (under 30 miles or 50 kilometers per hour), or 40 blended miles / 60 kilometers at the speed of under 43 miles or 70 kilometers per hour. ^{Note}

Enginer system (4-kWh), on top of your Hybrid, further saves you up to 130 gallons of gasoline a year if you charge up once a day, or up to 260 gallons for 2 charges aday.. ^{Note}

Note: Efficiency depends upon your driving style, speed, distance, terrain, and charge frequency. Please follow the instructions below to achieve 100-150 MPG or 2-3 L / 100KM:

1. View Prius demonstration screen to monitor engine and motor activities, and restrain engine operation as much as possible.
2. Accelerate gently and maintain your speed as steady as possible at all times.
3. Once desired speed is reached, feather the accelerator or lift your foot off entirely, then very lightly ease back in to maintain a steady speed of below 43 miles or 70km per hour, keeping
4. Drive on flat plain and ambient temperature above 50°F (10°C).

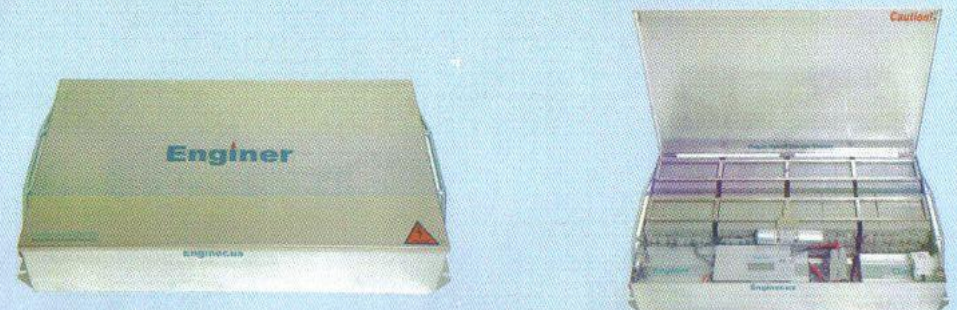
❖ Manufacturer field tests under the above-described conditions have shown a BEST result of 160MPG or 1.7L / 100KM for an accumulated distance of 100 miles (165 km).

Technical Specifications

Battery Capacity:	4 kWh -- up to 20 EV / 40 blended miles,
Battery Voltage:	48 VDC nominal;
Charger:	Timer based, with fast → trickle current adjustment, charging batteries to full safely, avoiding over-charge.
Charge Time:	6 hours to full from standard 110 / 240VAC outlet.
Output Power:	5,000W
Active BMS:	Fully functional, effectively monitoring, and Managing batteries with single cell inter-charging current of 2A; Disconnecting charger at high and converter at low voltages. Preventing system from being over (dis)charged.
Fire Extinguisher:	To be activated at 600° F (120° C)
System weight:	180 pounds with Lithium-ion batteries
Structure:	Stainless steel / steel enclosure box and frames.
Position:	On top of spare tire, trunk space reserved, Spare tire accessible.
Installation Time:	2-3 hours by professionals
Warranty:	2 years (5 years in California)

Retail Price:

(An extra of \$1,000 Optional to Californian residents for 5-year warranty per CARB requirements)



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