

**Hybrid
2012 Model
2nd Generation**
Emergency Response Guide



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12 Camry Hybrid ERG REV – (09/21/11)

Foreword

In May 2006, Toyota released the 1st generation Toyota Camry gasoline-electric hybrid vehicle in North America. To educate and assist emergency responders in the safe handling of the 1st generation Camry hybrid technology, Toyota published the 2007 Camry hybrid Emergency Response Guide.

With the release of the 2nd generation Camry hybrid in September 2011, a new 2012 Toyota Camry Hybrid Emergency Response Guide was published for emergency responders. While many features from the 1st generation model are similar, emergency responders should recognize and understand the new, updated features of the 2nd generation Camry hybrid covered in this guide.

High voltage electricity powers the electric motor, generator, inverter/converter and air conditioning compressor. All other automotive electrical devices such as the headlights, radio, and gauges are powered from a separate 12 Volt auxiliary battery. Numerous safeguards have been designed into the Camry hybrid to help ensure the high voltage, approximately 244.8 Volt, Nickel Metal Hydride (NiMH) Hybrid Vehicle (HV) battery pack is kept safe and secure in an accident.

The Camry hybrid utilizes the following electrical systems:

- Maximum 650 Volts AC
- Maximum 27 Volts AC
- Nominal 244.8 Volts DC
- Nominal 12 Volts DC

2nd Generation Camry Hybrid Features:

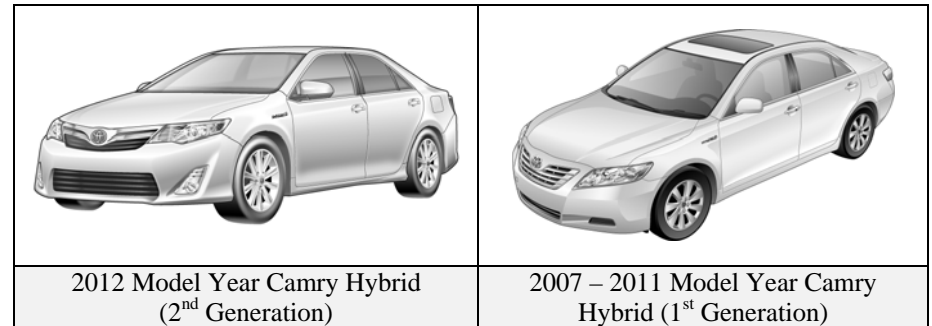
- Complete model change with a new exterior and interior design.
- An Electric Power Steering (EPS) assist motor rated at 27 Volts.
- A boost converter in the inverter/converter that boosts to 650 Volts the available voltage to the electric motor.
- A high voltage Hybrid Vehicle (HV) battery pack rated at 244.8 Volts.
- High voltage motor driven Air Conditioning (A/C) compressor rated at 244.8 Volts.

- A body electrical system rated at 12 Volts, negative chassis ground.
- Supplemental Restraint System (SRS) – dual stage frontal airbags, front knee airbags, front and rear seat mounted side airbags, side curtain airbags, and front seatbelt pretensioners.

High voltage electrical safety remains an important factor in the emergency handling of the Camry Hybrid Synergy Drive. It is important to recognize and understand the disabling procedures and warnings throughout the guide.

Additional topics in the guide include:

- Toyota Camry hybrid identification.
- Major Hybrid Synergy Drive component locations and descriptions.
- Extrication, fire, recovery, and additional emergency response information.
- Roadside assistance information.



This guide is intended to assist emergency responders in the safe handling of a Toyota Camry hybrid vehicle during an incident.

NOTE:

Emergency Response Guides for Toyota hybrid and alternative fuel vehicles may be viewed at <http://techinfo.toyota.com>.

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