



# 2017 TOYOTA PRIUS PRIME National Press

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# 2017 PRIUS PRIME

## I. PRIUS PRIME OVERVIEW

### A. Prius Background

#### 1. A brief look at Prius Family milestones:

- 2012: First Prius Plug-in enters the world market
  - Awarded 2012 Urban Green Vehicle Award by Decisive Magazine
- 2015: Fourth generation Prius Liftback is introduced at the Frankfurt Motor Show
  - Fourth generation continues to garner awards:
    - 2016 Toyota Prius Is an IIHS TSP+ With Optional Front Crash Prevention
    - 2016 Prius Was Named Best Overall Value of the Year by IntelliChoice
    - 2016 Toyota Prius Named One of Autotrader's 2016 Must Test Drive Vehicles
- 2016: The redesigned 2017 Prius Prime is introduced at the New York Auto Show
  - Drive system and EV/HV functionality influenced by Prius Plug-in and Prius Liftback
  - TNGA body architecture (same as Prius Liftback)

### B. 2017 Prius Prime Development Goals

#### 1. Prime Design

- Introduce new interior and exterior styling that identifies the Prius Prime as the most technologically advanced model in the Prius lineup

#### 2. Efficiency and Performance

- Improve driving range in EV mode, while maintaining excellent fuel efficiency in Hybrid Vehicle (HV) mode
- Improve Electric Vehicle (EV) acceleration and minimize gasoline engine usage
- Utilize the full benefits of a Plug-In Hybrid vehicle:
  - EV Mode - Environmentally friendly and quiet
  - HV Mode - Flexibility of full range, while remaining fuel efficient

#### 3. Tech Savvy

- Integrate Toyota's latest advanced safety and convenience technologies

### C. Key Updates (vs. 2016 Prius Liftback)

#### 1. Standout styling; distinct from

##### Prius Liftback

- Ultra-efficient LED lighting:
  - Quad Projector LED headlamps with Daytime Running Lights (DRLs)
  - LED turn signals
  - LED tail and stoplights
  - Available LED fog lights
- Patterned acrylic grille overlay with active grille shutter
- Aerodynamic dual wave rear glass design
- Unique Prius Prime badging
- 15-in. 5-spoke alloy wheels with two-tone wheel covers
- Exclusive paint colors (not available on Prius Liftback):
  - 791 Blue Magnetism
  - 4X1 Titanium Glow



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## 2. Comfortable and Stylish Interior

- Four-seat configuration creates a spacious layout for each occupant
- Available SofTex® trimmed seats
- Smart-flow climate control system with air pollen filtration
- Available heated steering wheel
- Standard heated front seats
- Rear center console with armrest, storage compartment and two rear cup/bottle holders
- Air vents and the center dash have been modified in certain models to seamlessly integrate the available 11.6-in HD Multimedia Display
- Rear cargo area updated to accommodate larger battery pack



## 3. Technology

- Available 11.6-in. HD Multimedia Display
- Available Qi-compatible wireless charging
- Available Intelligent Clearance Sonar (ICS) with Intelligent Parking Assist (IPA)
- Available Color Head-Up Display (HUD) with speedometer, navigation and Hybrid System Indicator
- Available Prime Apps
  - Climate Control
  - Charge Management
  - ECO Dashboard
  - Charging Station Map
  - Vehicle Finder



## 4. Performance

- Updated Plug-in Hybrid system featuring:
  - 1.8-L Aluminum DOHC 16-Valve Variable Valve Timing w/ intelligence (VVT-i) Atkinson Cycle Engine (Same as Prius Liftback)
  - 8.8 kWh Lithium-Ion Battery
    - Recharge times: Less than 5 hrs 30 mins with standard outlet (120V) / approximately 2 hrs 10 mins with 240V
  - Dual motor-generator (MG) powered drive system
  - New Power Control Unit
  - New Charging System
  - Drive Modes: EV Mode, HV Mode, EV Auto Mode
- Can drive in EV mode up to 84 MPH

## 5. Efficiency

- Class leading efficiency
- Manufacturer's projected EPA-estimated 124 MPGe
- Manufacturer's projected EPA-estimated 55 city / 53 hwy / 54 combined hybrid MPG
- Manufacturer's projected EPA-estimated total driving range of 640 miles
- Manufacturer's projected EPA-estimated range of up to 25 miles in EV Mode

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## 6. Active Safety

- Standard Toyota Safety Sense™ P (TSS-P)
  - Pre-Collision System with Pedestrian Detection
  - Lane Departure Alert with Steering Assist
  - Auto High Beams
  - Full-Speed Dynamic Radar Cruise Control
- Available Blind spot monitor (BSM) with Rear Cross-Traffic Alert (RCTA)

## D. Grade Levels

1. Prime Plus: Base-level equipped
  - Sleek styling and an array of standard convenience features
2. Prime Premium: Mid-grade equipped
  - All the value of the Prime Plus loaded with upgraded 11.6" display, additional tech and premium interior
3. Prime Advanced: High-grade equipped
  - Premium level grade featuring premium styling cues and even more intelligent tech



## II. EXTERIOR

### A. Design Philosophy

1. "Ingenuous Beauty"
  - Integrate advanced styling which represents an emotional design that balances functionality and playfulness



### B. Changing Points

1. Dimensions
  - 1" lower than 2015 Prius Plug-in
  - 0.6" wider than 2015 Prius Plug-in
  - 4.2" longer than 2016 Prius Liftback
  - 60% increase in body rigidity from 2015 Prius Plug-in
2. Front Lights
  - Quad LED headlight assembly:
    - Low and high beam linearly arranged to promote visibility
    - LED Turn Signals integrated into assembly
  - Available LED fog lights and accent lights
3. Body Accents
  - Unique Prius Prime badging

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## 4. Front Grille

- Patterned acrylic grille overlay with Active grille shutter
  - Adopted to minimize the presence of air intakes, creating a more advanced EV image compared to Prius Liftback
  - The patterned design combined with the acrylic overlay gives the grille a 3-dimensional feel, adding to the vehicle's styling
  - The active grille shutter automatically opens and closes to optimally control the volume of engine cooling air, reducing air resistance while also decreasing the amount of time it takes to warm up the engine

## 5. Rear

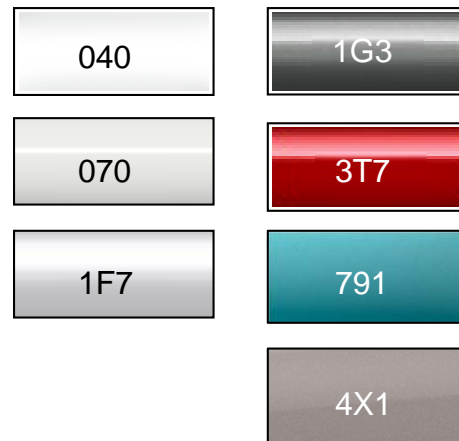
- Rear Light Assembly
  - A new LED taillight and stoplight design has been developed to seamlessly flow with the dual wave rear glass design, realizing a unique presence
- Carbon Fiber Reinforced Polymer (CFRP) rear hatch
  - CFRP ensures reduced vehicle weight without affecting body rigidity while also allowing the rear hatch to be opened and closed much easier
- Dual-wave rear glass
  - Emphasizes the iconic exterior design and enhances aerodynamic performance

## C. New wheel lineup

1. 15-in. 5-spoke alloy wheels with two-tone wheel covers and P195/65R15 tires

## D. Paint Colors

1. Two exclusive paint colors
  - Blue Magnetism (791)
  - Titanium Glow (4X1)
2. The available colors for 2017 are:
  - Blue Magnetism (791)
  - Titanium Glow (4X1)
  - Super White (040) (fleet only)
  - Blizzard Pearl (070) (premium paint, \$395)
  - Classic Silver Metallic (1F7)
  - Magnetic Gray Metallic (1G3)
  - Hypersonic Red (3T7) (premium paint, \$395)



## III. INTERIOR

### A. Design Philosophy

1. "Iconic Human-Tech"
2. Emotional styling and cockpit



# 2017 PRIUS PRIME

## B. Main Changing Points

### 1. Trim

- Comfort and durability
  - Fabric trimmed seats with armrests and seatback pockets
- Sport look and feel
  - SofTex®-trimmed leather that is durable and environmentally conscious
  - Satin-chrome plated ornamentation has been adopted on various parts of the interior
  - The center cluster has been redesigned for models with the available 11.6-in. HD Multimedia Display, giving the impression of a vertical stack with a high-quality and advanced look
  - An available heated steering wheel has been added (Prius Prime Advanced)

### 2. Charging

- Available Qi-compatible wireless charging
  - Enables wireless charging for compatible devices
- Carry-over two 12V auxiliary power outlets
  - One front and one rear
- One front USB port

### 3. Multi-Informational Display (MID)

- Dual 4.2-in. full-color Thin Film Transistor (TFT) display (same as Prius Liftback)

### 4. Rear cargo area

- Although the deck board is higher than the Prius Liftback due to the larger battery pack, the concaved deck sides combined with side storage boxes help make up lost cargo capacity
- A storage box at the very rear of the vehicle has been added
- Cargo area lightweight Tonneau Cover added as standard (Prime Plus, Prime Premium)
- Cargo area heavy sliding Tonneau Cover added for Prime Advanced

## C. Seating Capability

### 1. Standard seating for four on all grades

- Rear seats divided by center console with armrest, storage compartment and two rear cup/bottle holders

## D. Seating by Grade

### 1. Prius Prime Plus

- Fabric-trimmed heated front seats
- 6-way adjustable driver's seat
- 4-way adjustable passenger seat
- 60/40 split rear fold-down seats
- Rear center console

### 2. Prius Prime Premium and Prius Prime Advanced

- SofTex®-trimmed heated front seats
- 8-way power adjustable driver's seat
- Power lumbar support on driver's seat
- 4-way adjustable passenger seat
- 60/40 split rear fold-down seats
- Rear center console



# 2017 PRIUS PRIME

## E. Comfort and Convenience Features

### 1. Rear Hatch

- Carbon Fiber Reinforced Polymer (CFRP) for lightweight operability and body structure
- Inlaid with dual-wave rear glass that aligns with the curvature of the vehicle body
  - This design allows for a slightly larger field of view than the Prius Liftback

## F. Color Choices

1. Moonstone (144B)
2. Black (201B)



## IV. TECHNOLOGY

### A. Audio Availability and Offerings

#### 1. Entune™ Premium Audio with Integrated Navigation and App Suite (Prime Plus)

- Includes:
  - 7-inch touch-screen with integrated backup camera
  - AM/FM CD player, MP3/WMA playback capability, 6 speakers, Siri Eyes Free, auxiliary audio jack, USB port, hands-free phone capability, advanced voice recognition, and music streaming via Bluetooth® wireless technology, Gracenote® album cover art
  - Entune® App Suite
  - AM/FM cache radio
  - SiriusXM® Satellite Radio with trial subscription
  - HD Radio™ & HD Radio™ predictive traffic and Doppler weather overlay

#### 2. Entune™ Premium Audio with Integrated Navigation and App Suite (Prime Premium)

- Includes:
  - 11.6-inch HD Multimedia Display with split screen (*for more information, refer to section IV, B, Multimedia Display*)
  - Entune™ Multimedia Bundle:
    - MP3/WMA playback capability, 6 speakers, auxiliary audio jack, USB 2.0 port with iPod® connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth® wireless technology
  - Siri® Eyes Free
  - Entune® App Suite
  - HD Radio™
  - HD Radio™ predictive traffic and Doppler weather overlay
  - AM/FM cache radio
  - SiriusXM® Satellite Radio with trial subscription
  - Gracenote® album cover art
  - Integrated backup camera display
  - Charge Station Map App

### 3. Entune™ Premium JBL® Audio with Integrated Navigation, App Suite, and Prime Apps (Prime Advanced)

- Includes:
  - 11.6-inch HD Multimedia Display with split screen display
  - Entune™ Multimedia Bundle:
    - AM/FM, MP3/WMA playback capability, ten JBL® GreenEdge™ speakers, auxiliary audio jack, USB 2.0 port with iPod® connectivity and control, advanced voice recognition, hands-free phone capability, phone book access and music streaming via Bluetooth® wireless technology
  - Siri® Eyes Free
  - Entune® App Suite
  - HD Radio™, HD Radio™ predictive traffic and Doppler weather overlay
  - AM/FM cache radio, SiriusXM® Satellite Radio with trial subscription
  - Gracenote® album cover art
  - integrated backup camera display
  - Prime Apps:
    - Charge Management, Charging Station Map, ECO Dashboard, Remote Climate and Vehicle Finder

### 4. Entune® App Suite

- Entune® App Suite is a collection of popular mobile apps and in-car data services accessible from your Toyota. This data is delivered via most smartphones using hands-free Bluetooth® and a cellular data connection.
  - **Destination Search** - Destination Search lets you search addresses and more than 20 million points of interest. Then you can easily navigate to a desired address or business (with a paired and Internet-connected phone).
  - **iHeartRadio** - Listen to local stations from any location. Access more than 1700 AM and FM stations around the United States. Create and listen to Custom Stations.
  - **MovieTickets.com** - A personal box office in the vehicle's dashboard. Find movies, see show times, and purchase tickets right from the vehicle.
  - **OpenTable®** - Locate restaurants by time, date, type of cuisine and price range. Make real-time reservations and navigate right from the vehicle.
  - **Pandora®** - Create and listen to personalized music stations that stream directly to the vehicle. The end user can also build playlists based on a specific song or artist.
  - **Facebook** - Check-in and notify Facebook friends of location the moment the individual arrives.
  - **Yelp®** - Looking for a local place to eat, shop, drink, relax or play? Read reviews from locals who know best and get directions sent directly to the Vehicle's Navigation System.
  - **Slacker Radio** - Create and listen to personalized music stations with access to over 13 million songs. Enjoy over 300 Slacker Radio stations, which include music, news, sports, talk, comedy, ABC News, ESPN, and more.
  - **Sports** - Find the latest scores, standings and schedules for favorite professional baseball, football, basketball, and hockey teams.
  - **Stocks** - Review current stocks quotes, store favorite stock symbols, and check daily up/down price changes.
  - **Fuel Guide** - Find stations by price, brand, fuel grade or distance. Once you make the selection, Fuel Guide displays the gas station on a map for one-touch navigation.

## 5. Prime Apps (Prime Advanced)

- Charge Management
  - Get a reading of your vehicles' charge status and estimated driving range, view plug status, view and edit when your vehicle next charges based on departure time, and, if your vehicle is plugged-in, immediately initiate a recharge.
- Remote Climate
  - Remotely turn on your vehicle's air conditioning or heater based on last in-car setting, Max A/C and Max Heat, view estimated cabin temperature range when Remote Climate has been activated, and turn on front and rear defrost.
- Charging Station Map
  - Search for charging stations near you, filter results by charging capability (e.g., Level 1, Level 2, etc.), and view additional information such as charging station hours of operation, phone number, and number of chargers.
- Vehicle Finder
  - View a map display of your current smartphone location, your vehicle's last known location, and directions to navigate you there.
- ECO Dashboard
  - Remotely track the history of your ECO Driving Score, fuel economy efficiency, compare your scores to those of other ECO Dashboard users, and share your performance on Facebook and Twitter.
- Prime Apps are exclusively offered on the Prius Prime Advanced and require an active Safety Connect subscription. Prius Prime Advanced will include a 3-year complimentary trial of Safety Connect.



Prototype Images

## B. New 11.6-in. HD Multimedia Display

### 1. Available on Prime Premium and Prime Advanced

- Exclusive to Prius Prime, first of its kind to appear in a Toyota vehicle
- Largest display screen in Toyota's lineup
- The right MID screen is linked with icon operation to minimize the need to change the line of sight during operation
- Smartphone-like functionality (pinch-zoom and swipe functionality)
- The display uses the large screen space and split screen to show map and navigation on almost any screen, making it easier to navigate while using other touch-screen functions

### 2. Head-Up Display (HUD) (Prime Advanced)

- Color Head-Up Display (HUD)
  - Speedometer
  - Navigation
  - Hybrid System Indicator

## C. Predictive Efficient Drive (Prime Premium, Prime Advanced)

- Collects data on the driver's daily driving behavior to predict where they will decelerate or stop. The next time the driver drives through a location that has been added to the database, assisted deceleration can be applied to help boost real world fuel economy.
- The more a driver drives, the more driving data is collected, and the more locations for assistance are added. The driver can operate the 11.6-in HD Multimedia Display to turn this function on or off.
- When the vehicle nears a location in the database, the hybrid system indicator will inform the driver of the optimal timing to release the accelerator based on factors such as the road gradient and vehicle speed. After the driver releases the accelerator, regenerative braking amplification control will start.
- Compared to unassisted driving, this can enable the reduction of unnecessary accelerator use, efficient recovery (regeneration) of energy and charging of the HV battery.

## V. PERFORMANCE

### A. Engine

1. 1.8L Aluminum DOHC 16-Valve Variable Valve Timing with intelligence (VVT-i)
  - Hybrid System Net Power: 121 (90 kW)
  - EV/ECO/POWER modes
  - Atkinson Cycle
  - Same engine as Prius Liftback

### B. Transmission

1. ECVT (Electronically controlled Continuously Variable Transmission)
  - One-way clutch added for Dual Motor drive system (for more information, see Plug-in Hybrid System Overview)

### C. Suspension

1. Front:
  - MacPherson Strut
    - Same suspension system as the Prius Liftback, but spring rates have been optimized specifically for the Prius Prime
    - Improved handling stability and ride comfort
    - Tuned for increased responsiveness
    - Optimized to provide:
      - Stabilizer characteristics and location (for roll rigidity)
      - Shock absorber damping with new piston valve
      - Coil spring geometry and preload (for reduced impact on rough surfaces)
2. Rear:
  - Trailing Arm Type Double Wishbone
    - Same suspension system as the Prius Liftback, but spring rates have been optimized specifically for the Prius Prime
    - High position trailing arm for optimal tire movement
    - Tuned for increased responsiveness
    - Ensured rigidity
    - Perceived road shock reduced by 1/3 (due to tunings on arm bushings)
    - Forward-tilted shock absorbers
    - Bushings on all arm joints
    - Optimized stabilizer characteristics and location

## D. Steering

- Electric Power Steering
- Speed-sensitive, column-type
- Brushless motor with integrated ECU
- Rigid intermediate shaft and steering column

## E. Brakes

### 1. Electronically controlled brake system

- Power-assisted ventilated front disc brakes with lightweight aluminum calipers
- Solid disc rear brakes
  - With aluminum calipers
  - Built-in parking brake

### 2. Regenerative Braking

- Electric motor also serves as a generator to produce electricity to help recharge the hybrid battery
  - Coasting and braking allow the motor to function as a generator-using the vehicles momentum to turn the “generator” and produce electrical current – charging the high voltage battery pack.
- This process can allow an efficient driver to save as much as 30% of the energy that would be changed to heat and lost to the atmosphere and store it in the battery pack for use later to accelerate the vehicle

## VI. HYBRID OVERVIEW

### A. Plug-in Hybrid System

#### 1. System Overview

- A Plug-in Hybrid Vehicle (PHV) system has been adopted that uses a dual drivetrain consisting of an engine and dual motor-generators. Different from Prius Liftback, the system can use both MG1 and MG2 to provide drive force when necessary for improved EV performance
  - Enhances both dynamic performance and fuel economy
- Uses high-capacity lithium-ion battery and a high-efficiency charging system
  - Enables long driving distances and exceptional driving performance in EV mode
- The PHV system and charging efficiency have been optimized
  - Reduces power consumption
- EV mode driving range
  - The EV mode driving range (i.e. output, vehicle speed, and distance) has been greatly improved due to a high-capacity battery, improved battery output, a dual motor drive system, battery temperature control, and a heat pump air conditioning system.
- Charging performance
  - By switching the charging output to 3.3 kW, customers now have more opportunities to charge. The charging timer and lid & connector lock have also been made more user-friendly.
- HV performance
  - Low fuel consumption during Hybrid Vehicle (HV) driving has been achieved by using the Prius Liftback HV system

## 2. Hybrid Transaxle and Motor

- Prius Prime adopts the same improvements the 2016 Prius Liftback transaxle received
  - Low loss has been realized by switching to a double-axis MG, boosting RPMs, and employing a parallel axis reduction gear.
  - Switching to a small diameter motor and changing the stack thickness has allowed for a more compact and lightweight transaxle, and the auxiliary battery has been mounted inside the engine compartment.
- In addition, Prius Prime adds its own improvements to the transaxle
  - By positioning a new one-way clutch (which fixes the engine axis in place) in between the engine and the transaxle, both MG1 and MG2 can be used as drive motors. On Prius Liftback, only MG2 can be used as a drive motor.
  - The dual motor drive system drastically reduces engine startup frequency, thus enabling smooth and powerful EV starts and acceleration.
  - By using an electric oil pump for in-operation motor cooling and planetary gear lubrication, EV driving performance has been improved.

## 3. Power Control Unit (PCU)

- The current capacity on the boost converter has been increased and a high-capacity battery has been mounted, dramatically improving EV mode driving range (i.e. output, vehicle speed, and distance).

## 4. Hybrid Battery

- With a high-capacity lithium-ion battery installed in the trunk, battery capacity is now about double that of the current generation model (2015 Prius Plug-in 4.4 kWh, 2017 Prius Prime 8.8 kWh)
- The adoption of high-density cells has enabled a compact and lightweight design while increasing battery capacity
- In addition to expanded EV mode range, the high-capacity battery has enabled increased battery output, thus allowing smooth and powerful acceleration
- A compact battery pack has been realized by optimizing the layout of the stacks inside the battery pack, equipment such as the ECU, and the cooling pathways. This has minimized the loss of luggage space while allowing for a flat floor surface.
- The battery cooling pathways have been optimized, realizing both interior quietness and enhanced battery cooling performance. This has suppressed input/output limits due to battery temperature increases, helping enhance fuel consumption, drivability, and driving performance.
- To reduce the battery temperature increases caused by dust clogs and the subsequent loss of battery life, the air intake bezel has been equipped with a filter

## 5. Battery Warming System

- An electric heater has been installed inside the HV battery pack to boost battery temperature. This helps enhance EV mileage and drivability at low temperatures.
- Having the heater automatically turn on when the temperatures are low reduces engine startup during EV mode driving.



## (Battery Warming System Cont'd.)

- Battery Heating operation:
  - Normal plug-in:
    - When plugged in, the system automatically activates to maintain a battery temperature of 32°F or above, and stops automatically when the plug is removed or after 3 days have elapsed.
  - Timed charge ('start time' setting):
    - Heating automatically starts at the set time. After starting, operation is the same as a normal plug-in.
  - Timed charge ('departure' setting):
    - Heating automatically starts so that the battery temperature reaches 32°F or above by the set time. After starting, operation is the same as a normal plug-in.

## 6. Charging System

- A new charging lid and connector lock have been adopted, and the usability of the charging timer has been enhanced.
- Enhanced functionality:
  - Charging time has been reduced by increasing the charger output from 2 kW in the 2015 Prius Plug-in to 3.3 kW.
  - The user can now change the current settings (8 A or Max) for AC charging, thereby accommodating a wider range of charging facilities
- High efficiency:
  - Charging system efficiency has been enhanced through the following:
    - Losses during AC to DC conversion in the charger have been reduced
    - A built-in sub DC/DC converter for the auxiliary battery has been integrated into the charger body, making it possible to use only the minimum auxiliary equipment required for charging, thereby reducing the power consumed by auxiliary equipment.
- Compact:
  - The volume of the charger unit has been reduced from 8.0 L to 3.8 L, enabling it to be installed under the rear seat to help create more luggage space.

## 7. Charge Management system

- Weekly charging:
  - The charging timer can be set to charge every week on a set day. This enables charging without having to worry about setting the timer every time.
  - Up to 15 different timer settings are possible.
- Pre-Climate:
  - Climate control can be set to turn on 10 minutes prior to departure to prepare the cabin for your comfort.
- Battery warming system:
  - On cold days, the battery heater can be set to automatically turn on coinciding with the end of a timed charge. This reduces engine startup when starting off in EV mode.





## 8. Drive Modes

- Three modes are available in the New Prius Prime to control how the power is delivered when driving.
  - EV mode delivers power based on the hybrid battery's output range without starting the engine. Under most driving conditions, the system will only start the gasoline engine if the vehicle exceeds 84 miles per hour, or the HV battery's charge level is depleted.
  - HV Mode which efficiently combines the gasoline engine drive force and the electric power from the HV battery to drive the vehicle
- Additionally, the acceleration response in accordance with the accelerator input changes among three levels according to the drive mode (ECO, Normal, Power), supporting various driver needs.
- These drive modes will work alongside EV, HV, and EV Auto drive modes.

## VII. SAFETY

### A. Active Safety

#### 1. Toyota Safety Sense™ P (TSS-P) (standard on all grades)

- Offers latest Toyota-offered active safety technologies as one package:
  - Pre-Collision System with Pedestrian Detection function (PCS w/PD)
  - Lane Departure Alert with Steering Assist function (LDA w/SA) and Vehicle Sway Warning System (SWS) (see below)
  - Automatic High Beams (AHB)
  - Full-Speed Range Dynamic Radar Cruise Control (DRCC)



#### 1. Star Safety System™ (standard on all grades)

- Suite of six safety systems designed to assist the driver
- Centers on braking, stability, and traction control systems
- Standard on all Toyota vehicles:
  - Anti-Lock Brake System (ABS)
  - Traction Control (TRAC)
  - Brake Assist (BA)
  - Enhanced Vehicle Stability Control (VSC)
  - Electronic Brake-force Distribution (EBD)
  - Smart Stop Technology® (SST)



#### 2. Vehicle Sway Warning System (SWS) (standard on all grades as a function of LDA)

- Works in conjunction with LDA feature found in TSS-P equipped vehicles
- Identifies when vehicle is swaying (or appearing to sway) or departing from lane multiple times
- When sway is detected, system alerts driver via an audible alert and a visible message on the MID

## 3. Hill-Start Assist Control (HAC) (standard on all grades)

- Helps increase vehicle control on steep inclines or accelerating on slippery surfaces
- Minimizes roll-back by controlling brake fluid pressure as driver's foot is removed from brake to accelerator
- "Brake hold" function that keeps vehicle from rolling backwards when the driver pulls away on a steep hill
- Chime will sound and brake lights will illuminate
- In effect, HAC provides the same benefit as holding the parking brake when starting on a steep hill

## 4. Additional Features

- Blind Spot Monitor (BSM) with Rear Cross Traffic Alert (RTCA) exclusively on Prime Advanced

## 5. Safety Connect®

- Toyota's on-board safety and security service
  - Standard on Prius Prime Advanced and comes with a 3-year complimentary trial subscription
  - Embedded cellular technology and GPS help connect drivers to the 24-hour Safety Connect Response Center
  - Includes: Automatic Collision Notification, Stolen Vehicle Locator, Emergency Assistance Button (SOS), and Roadside Assistance

## B. Passive Safety

### 1. Airbags

- 8 standard airbags
  - Driver and front passenger advanced airbag system, driver and front passenger front seat-mounted side airbags, front passenger seat cushion airbag, driver's knee airbag and front and rear side curtain airbags

### 2. Seatbelts

- Driver: Emergency Locking Retractor (ELR) belt
- Passenger seats: Automatic/Emergency Locking Retractor seats (ALR/ELR)

### 3. LATCH (Lower Anchors and Tethers for CHildren)

- Located on both rear passenger seats

### 4. Tire Pressure Monitoring System (TPMS) (standard on all models)

- Four sensor system
- Sensor in each wheel measures tire pressure
- Warning lamp illuminates if system determines tire pressure to be low

### 5. Additional Key Safety Features and Equipment

- Crumple zones
- Overall impact-absorbing design
- Engine immobilizer

# 2017 PRIUS PRIME

## VIII. VEHICLE SPEC CHARTS

### A. Exterior Features by Grade (- = Not Applicable, S = Standard)

Exterior	Prius Prime Plus	Prius Prime Premium	Prius Prime Advanced
Quad LED Projector headlights with auto-off feature	S	-	-
Quad LED Projector headlights with auto-on/off feature	-	S	S
LED Daytime Running Lights (DRL) with on/off feature	S	S	S
LED fog lights and accent lights	-	-	S
LED tail and stop lights	S	S	S
Patterned acrylic grille overlay with Active grille shutter	S	S	S
Exclusive Prius Prime badging	S	S	S
Color-keyed outside door handles	S	S	S
Heated power outside mirrors with folding feature	S	S	S
15-in. 5-spoke alloy wheels with two-tone wheel covers and P195/65R15 tires	S	S	S
Washer-linked Variable Intermittent windshield wipers	S	S	-
Rain-sensing Variable Intermittent windshield wipers	-	-	S
Dual-wave rear glass design	S	S	S
Charge port with illumination and charging indicator light	S	S	S
Smart charging cable lock	-	S	S

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## B. Interior Features by Grade (- = Not Applicable, S = Standard)

Interior	Prius Prime Plus	Prius Prime Premium	Prius Prime Advanced
Smart-flow climate control system with air pollen filtration	S	S	S
Remote A/C System	-	-	S
Integrated backup camera	S	S	S
4-passenger seating with 60/40 split fold-down rear seats with center armrest with cup holders and center console	S	S	S
SofTex®-trimmed tilt/telescopic steering wheel with audio, climate, Multi-Information Display and Bluetooth® hands-free phone controls	S	S	-
SofTex®-trimmed tilt/telescopic steering wheel with heating capability, audio, climate, Multi-Information Display and Bluetooth® hands-free phone controls	-	-	S
Digital instrumentation with speedometer, hybrid system power meter, fuel gauge, odometer, current fuel economy, shift-position indicator, EV/hybrid mode indicator, and drive mode indicator	S	S	S
Fabric-trimmed heated front seats with armrests and seatback pockets; 6-way adjustable driver's seat; 4-way adjustable front passenger seat	S	-	-
SofTex®-trimmed heated front seats with armrests and seatback pockets; 8-way power adjustable driver's seat with power lumbar support; 4-way adjustable front passenger seat	-	S	S
Soft-touch upper door trim with chrome accent, SofTex®-trimmed door armrest area with chrome accent interior door handles	S	S	S
Smart Key System on driver side with Push Button Start	S	-	-
Smart Key System on three doors with Push Button Start and remote illuminated entry	-	S	S
Power windows with auto up/down	S	S	S
Dual sun visors with illuminated vanity mirrors	S	S	S
Power door locks	S	S	S
Auto-dimming rearview mirror with HomeLink® universal transceiver	-	-	S
Rear center console with armrest, storage compartment and two rear cup/bottle holders	S	S	S
Qi-compatible wireless smartphone charging with charge indicator light	-	S	S
Cargo area lightweight tonneau cover	S	S	-
Cargo area heavy sliding tonneau cover	-	-	S
1 front and 1 rear 12V auxiliary power outlets	S	S	S
One front USB power outlet	S	S	S
Rear dome light	S	S	S
Cargo area light	S	S	S
Front door storage pockets with sculpted bottle holders; rear door storage bottle holders	S	S	S
Foot pedal parking break	S	S	S
Charge cable for 120V outlet	S	S	S

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## C. Efficiency

Efficiency	Prius Prime Plus	Prius Prime Premium	Prius Prime Advanced
Fuel tank (gal.)	11.3	11.3	11.3
Manufacturer's projected EPA-estimated Fuel Economy (city/highway/combined)	Estimated 55/53/54	Estimated 55/53/54	Estimated 55/53/54
Manufacturer's projected EPA-estimated MPGe	124	124	124
Manufacturer's projected EPA-estimated Total Driving Range	640	640	640
Manufacturer's projected EPA-estimated EV Mode range	Estimated 25mi. (max 84 MPH)	Estimated 25 mi. (max 84 MPH)	Estimated 25 mi. (max 84 MPH)
Battery Charging Time (120V / 240V) (hr:min)	<5:30 / ~2:10	<5:30 / ~2:10	<5:30 / ~2:10