One giant step for humankind.

The only thing better than dreaming about a more sustainable world is actually creating it. That’s why we at Toyota remain steadfast in our commitment to providing better mobility for all. And it’s why we put sustainability at the forefront of everything we do. It’s this thinking that led us to create the 2019 Mirai Fuel Cell Electric Vehicle (FCEV). It’s powered by hydrogen and its only emission is water. Mirai comes packed with the advanced tech features you want, and its forward-thinking design ensures it looks like nothing else on the road. This is the next generation of mobility, available right now.
Buying into clean energy doesn't mean buying into the unknown.

As with Prius, we proved that alternative-fuel vehicles can be mainstream as well as fashionable. Now we’re doing the same with Mirai. Toyota engineers have spent decades developing Mirai’s fuel cell powertrain to deliver the quality, reliability and dependability expected from Toyota. This means that Mirai operates just like a regular passenger car, while creating zero emissions. Since its hydrogen fuel can be created from renewable resources like solar, wind and biowaste, Mirai is helping to usher in a new era powered by clean energy.

Learn More at: Toyota.com/Mirai/Safety
“If the name of your car means ‘the future’… it better look futuristic.”

— Satoshi Ogiso, Former Managing Officer, Toyota Motor Corporation

Mirai shown in Nautical Blue Metallic. Prototype shown.
Advanced design. 
One powerful statement.

Mirai means “future” in Japanese, so we made sure it lives up to its name. Multi-LED lighting in the front and rear accent the highly aerodynamic shape. Color-keyed front bumpers feature black inserts for a touch of sportiness, with the chrome garnish bringing just the right amount of sophistication. As if its forward-thinking shape didn’t give things away, exclusive FUEL CELL badging reminds others that this sedan is like no other. 

See more at: Toyota.com/Mirai/Gallery

STANDARD ALLOY WHEELS
Designed exclusively for Mirai, standard 17-in. engraved alloy wheels bring the perfect amount of sophistication and style.

LED HEADLIGHTS
Efficiency can be seen throughout Mirai, including the lighting. Multi-LED headlights provide lots of light while requiring very little power. Standard Automatic High Beams (AHB)² enhance driving comfort at night, too.

See numbered footnotes in Disclosures section.
Mirai’s sleek lines do more than just look good; they help give it an ultra-low coefficient of drag. This means that Mirai’s shape helps it slip through the air for a quieter ride and increased efficiency.
Innovation at every corner.

Oftentimes it’s the thoughtful touches that make the biggest difference. That’s why Mirai comes standard with a host of high-tech features designed to bring more convenience to every drive. The integrated backup camera\textsuperscript{23} includes a projected path feature, making it easier to back into those tight spots. A heated steering wheel and windshield wiper de-icer help bring warmth when things get chilly. And the frameless auto-dimming rearview mirror includes a HomeLink\textsuperscript{\texttrademark} universal transceiver for easier access to your compatible gates, garages and more.

\begin{itemize}
  \item **WIDE-ANGLE FOG LIGHTS**
    One of Mirai’s most striking visual elements is vertically integrated, wide-angle LED fog lights. With their wide beam of light, these color-calibrated fog lights help provide an exceptionally clear view of the road at night.
  \item **HEATED OUTSIDE MIRRORS**
    The simple push of a button warms up Mirai’s outside power mirrors, helping to clear moisture and fog. These mirrors also include a power-folding feature to help minimize this FCEV’s footprint when parked.
  \item **FRONT AND REAR PARKING SONAR\textsuperscript{43}**
    When parking, sonar sensors on the front and rear of Mirai scan for walls, curbs and other objects that might be hidden from your view. Audio and visual cues are sent to the cabin, helping to take some of the guesswork out of parking.
  \item **TOUCH-SENSOR DOORS**
    With the Smart Key\textsuperscript{27} fob in your pocket or bag, you can lock and unlock the doors of Mirai using only your touch.
\end{itemize}

See numbered footnotes in Disclosures section.
Mirai interior shown in Deep Ocean Blue. Prototype shown.
It’s impressive on the inside, too.

Mirai’s cabin is as refined as it is advanced. Acoustically treated glass helps keep outside noises outside, allowing occupants to glide in comfort as they relax in the standard, heated SofTex®-trimmed seats. Carbon-fiber-style interior accents perfectly complement the futuristic interior design. The premium JBL® audio system is tuned specifically to Mirai for rich, full sound performance. Multiple charging points, including one 12V rear auxiliary power outlet, two rear USB 2.1A charging ports and one USB media port help to ensure that everyone’s mobile tech can stay powered through the day.

View more at: Toyota.com/Mirai/InteriorTour

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ENTUNE™ 3.0: PREMIUM AUDIO WITH JBL® w/CLARI-Fi®
DYNAMIC NAVIGATION® AND APP SUITE®

Connectivity just got better. Mirai’s standard Entune™ 3.0 multimedia system includes a host of great new features like the Entune™ 3.0 App Suite, a 4G LTE hotspot via Wi-Fi Connect Powered by Verizon® and Dynamic Navigation. Its intelligent map can help direct you to the closest hydrogen filling station.

INTELLIGENT TOUCH CONTROLS

Tech that’s as intuitive as it is beautiful. Mirai’s Intelligent Touch controls feature a sleek design and a low, minimalist profile, allowing the driver to fine-tune the audio and climate control systems.

QI-COMPATIBLE WIRELESS CHARGING®

Mirai features standard Qi-compatible wireless smartphone charging. Just place your Qi-compatible smartphone onto the nonslip surface in the integrated eBin® and charge up wirelessly.
Mirai shown in Nautical Blue Metallic. Prototype shown.
Taking an active role in safety.

Mirai’s suite of active safety technologies helps you keep a watchful eye on the road ahead — and behind you, too. It has an advanced array of sensors and cameras that are designed to help you look out for traffic and alert you, so you can stay focused on your drive. Smart safety innovations were created for the fuel cell system, too. In the event of a collision, for example, special sensors are designed to deactivate Mirai’s high-voltage battery and close the H₂ tank valves.

**BLIND SPOT MONITOR³ AND REAR CROSS-TRAFFIC ALERT⁴**

When the Blind Spot Monitor (BSM) detects a vehicle, it illuminates a warning indicator on the appropriate sideview mirror to let you know when it’s safe to change lanes. And when backing out of a driveway or parking spot, Rear Cross-Traffic Alert (RCTA) is designed to provide audible and visual indicators to warn of approaching vehicles.

See numbered footnotes in Disclosures section.
TOYOTA SAFETY SENSE™ 2.0 (TSS 2.0)

Designed for safety.

Toyota Safety Sense™ 2.0 (TSS 2.0) is a bundle of active safety features standard on every 2019 Mirai. These innovative features were designed to help protect you and your passengers from harm.

- **LANE DEPARTURE ALERT WITH STEERING ASSIST AND ROAD EDGE DETECTION**
  
  Using Road Edge Detection or by detecting visible lane markings, the Lane Departure Alert with Steering Assist (LDA w/SA) issues both an audible alert and visual warning on the MID screen if an inadvertent lane departure is detected. If the system determines that the driver is not taking corrective steering action, the Steering Assist function is designed to initiate and provide gentle corrective steering to help keep Mirai in the lane.

- **AUTOMATIC HIGH BEAMS**
  
  Automatic High Beams (AHB) is a safety feature designed to help you see more clearly at night — without distracting other drivers. Designed to activate at speeds above 25 mph, AHB rely on an in-vehicle camera to help detect the headlights of oncoming vehicles and taillights of preceding vehicles, then automatically toggle between high and low beams accordingly to provide the appropriate amount of light. By using high beams more frequently, the system may allow earlier detection of pedestrians and obstacles.

- **PRE-COLLISION SYSTEM WITH PEDESTRIAN DETECTION**
  
  Pre-Collision System with Pedestrian Detection (PCS w/PD) helps keep the road safe by detecting a vehicle, pedestrian or bicyclist in certain situations. The latest system has enhanced low-light capabilities to help detect a pedestrian at night. By combining millimeter-wave radar with a camera capable of shape recognition, the system provides an audio/visual alert, warning you of a possible collision under certain circumstances. If you don’t react, the system is designed for automatic braking support to help mitigate the potential for a collision.

See numbered footnotes in Disclosures section.
TOYOTA SAFETY SENSE™ 2.0 (TSS 2.0)

DYNAMIC RADAR CRUISE CONTROL

Intended for highways and similar to “constant speed” cruise control, Dynamic Radar Cruise Control (DRCC) lets you drive at a preset speed. DRCC uses vehicle-to-vehicle distance control, which is designed to adjust your speed, to help you maintain a preset distance from vehicles ahead of you that are driving at a slower speed. DRCC uses a front-grille-mounted radar and an in-vehicle camera designed to detect vehicles and their distance. If a driver is traveling slower than you, or within your preset range, DRCC is designed to automatically slow your vehicle down without deactivating cruise control. If DRCC determines you need to slow down more, an audio and visual alert notifies you and brakes may be applied. When there’s no longer a vehicle driving slower than your preset speed in front of you, DRCC will then accelerate and regular cruise control will resume.

ROAD SIGN ASSIST

Mirai’s Road Sign Assist (RSA) helps keep the road safe. Using a forward-facing intelligent camera, Road Sign Assist is designed to detect speed limit signs, stop signs and yield signs, and displays them on the MID.

See numbered footnotes in Disclosures section.
Mirai shown in Nautical Blue Metallic. Prototype shown.
Proven peace of mind.

Over the years, Mirai prototypes have been meticulously evaluated — including rigorous in-house crash testing and more than 10,000 miles of extreme climate testing — helping to ensure the same world-class safety you’ll find in any Toyota vehicle. The cabin is equipped with a driver and front passenger Advanced Airbag System,38 front seat-mounted side airbags for the driver and front passenger, front and rear side curtain airbags, plus driver knee and front passenger seat-cushion airbags. They’re all part of a system designed to help keep you safe.

See numbered footnotes in Disclosures section.
Fuel a more sustainable tomorrow.

More than 5000 fuel cell vehicles are on the road today: Hydrogen fuel is a proven, eco-friendly alternative to gas and diesel. There are currently more than 35 public hydrogen fueling stations in California. Since it takes just minutes to refuel, these stations mean that Mirai can take you further than you ever thought possible.

Find stations at: Toyota.com/Mirai/Stations

Mirai shown in Nautical Blue Metallic. Prototype shown.

See numbered footnotes in Disclosures section.
One comprehensive benefits package.

The Mirai experience includes a number of exceptional services, including ToyotaCare® with three years of no-cost enhanced roadside assistance, regardless of mileage. Also included is a Complimentary Rental Experience, with use of a rental Toyota for up to 21 days within three years. An 8-year/100,000-mile warranty of the fuel cell components helps to ensure that this FCEV is ready to go the distance. And with 3 years or up to $15,000 worth of complimentary fuel, Mirai makes it even easier to embrace sustainability.

Learn more at: Toyota.com/Mirai/Pricing
Contact your nearest dealer at: Toyota.com/Mirai/Contact

Mirai shown in Nautical Blue Metallic and Salsa Red Pearl. Prototypes shown. See numbered footnotes in Disclosures section.
Exterior Features

- LED low- and high-beam headlights with Automatic High Beams (AHB) with auto on/off feature
- LED Daytime Running Lights (DRL)
- LED stop lights
- Black sport front grille
- Exclusive fuel cell vehicle badging
- Color-keyed heated power auto-dimming outside mirrors with turn signal and blind spot warning indicators, reverse tilt and power-folding features with 2-position memory function
- Color-keyed door handles with touch-sensor lock/unlock feature on front doors
- 17-in. silver-painted, machined, engraved alloy wheels with black-accented caps and P215/55R17 tires
- Rain-sensing, washer-linked, variable intermittent windshield wiper with heated windshield wiper de-icer
- Acoustic noise-reducing windshield and front/rear side glass

Interior Features

- Dual zone automatic climate control with Intelligent Touch controls, cabin air filter and individually controlled rear-seat vents
- Intelligent Touch controls for heated seats, heated steering wheel and windshield wiper de-icer
- Entune™ 3.0 - Premium Audio with JBL® w/Clari-Fi® Dynamic Navigation® and App Suite®. — includes 11 speakers including subwoofer, amplifier, 7-in. touch-screen, AM/FM CD player, MP3/WMA playback capability, auxiliary port, USB 2.0 port with iPod® connectivity and control, Dynamic Navigation® with up to a 3-year trial, Dynamic POI Search, Dynamic Voice Recognition®, hands-free phone capability and music streaming® via Bluetooth® wireless technology, Entune® App Suite®. Siri® Eyes Free®, HD Radio™ technology, SiriusXM® Satellite Radio® with 3-month complimentary All Access trial® and Gracenote® album cover art. Toyota Connected Services — Safety Connect® with 3-year trial, Wi-Fi Connect Powered by Verizon® with up to 2GB within 6-month trial® and Destination Assist Connect® with 6-month trial®. See toyota.com/entune for details.
- Integrated backup camera® display with projected path
- TFT Multi-Information Display (MID), trip performance score, fuel consumption history, average fuel economy, fuel economy history, fuel cell system power level, Lane Departure Alert (LDA)®, clock settings, trip history
- Water release control

Interior Features (cont.)

- SoFtx®-trimmed two-stage heated front seats with contrasting inserts and seatback pockets, 8-way power-adjustable driver’s seat with 2-position memory function and power lumbar support, 8-way power adjustable front passenger seat with power lumbar support
- SoFtx®-trimmed two-stage heated rear seats
- Smart Key System® on front doors and trunk with Push Button Start and remote illuminated entry
- Power door locks with shift-linked automatic lock/unlock feature and anti-lockout feature
- Multi-function front seat center console with carbon-fiber-style accents, sliding cover and armrest, two front cup holders, Qi®-compatible wireless smartphone charging, USB 2.0 port® with iPod® connectivity and control
- One 12V rear auxiliary power outlet and two USB 2.1A charging ports®
- Four cup holders and two front bottle holders

Safety Features

- Toyota Safety Sense™ 2.0 (TSS 2.0)®— Pre-Collision System® with Pedestrian Detection® (PCS w/PD) with cyclist detection and improved low-light capabilities, Lane Departure Alert with Steering Assist (LDA w/SA)® and Road Edge Detection, Sway Warning System (SWS)®, Automatic High Beams (AHB), Dynamic Radar Cruise Control (DRCC), Road Sign Assist (RSA)®, Star Safety System™ — includes Vehicle Stability Control (VSC), Traction Control (TRAC), Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA), and Smart Stop Technology®
- Eight airbags® — includes driver and front passenger Advanced Airbag System, driver and front passenger seat-mounted side airbags, driver knee airbag, passenger seat-cushion airbag, and front and rear side curtain airbags
- LATCH (Lower Anchors and Tethers for Children) includes lower anchors and upper tether anchors on rear seats
- Child-protector rear door locks
- Energy-absorbing collapsible steering column
- Front and rear energy-absorbing crumple zones
- Tire Pressure Monitor System (TPMS)®
- Collision sensors: deactivate high-voltage battery and close H2 tank valves
- Vehicle Proximity Notification System (VPNS)®
- Safety Connect® — includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance® and Automatic Collision Notification with three-year trial subscription.
- Blind Spot Monitor (BSM)® and Rear Cross-Traffic Alert (RCTA)®
- Front and rear parking assist sonar®
- LED Daytime Running Lights (DRL) with on/off feature
- Anti-theft system with engine immobilizer®
- SofTex®-trimmed two-stage heated front seats with contrasting inserts and seatback pockets, 8-way power-adjustable driver’s seat with 2-position memory function and power lumbar support, 8-way power adjustable front passenger seat with power lumbar support
- SoFtx®-trimmed two-stage heated rear seats
- Smart Key System® on front doors and trunk with Push Button Start and remote illuminated entry
- Power door locks with shift-linked automatic lock/unlock feature and anti-lockout feature
- Multi-function front seat center console with carbon-fiber-style accents, sliding cover and armrest, two front cup holders, Qi®-compatible wireless smartphone charging, USB 2.0 port® with iPod® connectivity and control
- One 12V rear auxiliary power outlet and two USB 2.1A charging ports®
- Four cup holders and two front bottle holders

Color

- Celestial Black®
- Nautical Blue Metallic
- Atmospheric Blue Metallic
- Salsa Red Pearl
- Elemental Silver®
- Crystal White®
- Deep Ocean Blue
- Warm White

Wheel

- 17-in. engraved alloy wheel
**FEATURES**

**EXTERIOR**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED low- and high-beam headlights with Automatic High Beams (AHB) 2 with auto on/off feature</td>
<td>$</td>
</tr>
<tr>
<td>LED Daytime Running Lights (DRL)</td>
<td>$</td>
</tr>
<tr>
<td>LED stop lights</td>
<td>$</td>
</tr>
<tr>
<td>Black sport front grille</td>
<td>$</td>
</tr>
<tr>
<td>Color-keyed front bumpers with black inserts with chrome accents and color-keyed rear bumpers</td>
<td>$</td>
</tr>
<tr>
<td>Exclusive fuel cell vehicle badging</td>
<td>$</td>
</tr>
<tr>
<td>Color-keyed heated power auto-dimming outside mirrors with turn signal and blind spot warning indicators; reverse tilt and power-folding features with 2-position memory function</td>
<td>$</td>
</tr>
<tr>
<td>Color-keyed outside door handles with touch-sensor lock/unlock feature on front doors</td>
<td>$</td>
</tr>
<tr>
<td>17-in. silver-painted, machined, engraved alloy wheels with black-painted accents and P215/55R17 tires</td>
<td>$</td>
</tr>
<tr>
<td>Rain-sensing, washer-linked, variable intermittent windshield wiper with heated windshield wiper de-icer</td>
<td>$</td>
</tr>
<tr>
<td>Acoustic noise-reducing windshield and front/rear side glass</td>
<td>$</td>
</tr>
<tr>
<td>Color-keyed roof-mounted shark-fin antenna</td>
<td>$</td>
</tr>
</tbody>
</table>

**INTERIOR**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual zone automatic climate control with Intelligent Touch controls, cabin air filter and individually controlled rear-seat vents</td>
<td>$</td>
</tr>
<tr>
<td>Intelligent Touch controls for heated seats, heated steering wheel and windshield wiper de-icer</td>
<td>$</td>
</tr>
<tr>
<td>Entune™ 3.0 Premium Audio with JBL®, Clari-Fi®, Dynamic Navigation® and App Suite® — includes 11 speakers including subwoofer, amplifier, 7-in. touch-screen, AM/FM CD player, MP3/WMA playback capability, auxiliary port, USB 2.0 port with iPod® connectivity and control, Dynamic Navigation® with up to a 3-year trial, Dynamic POI Search, Dynamic Voice Recognition®, hands-free phone capability and music streaming via Bluetooth®, wireless technology, Siri® Eyes Free®, HD Radio®, Technology, SiriusXM® Satellite Radio® with 3-month complimentary All Access trial® and Gracenote® album cover art. Toyota Connected Services — Safety Connect®, Destination Assist Connect® with 6-month trial®. See toyota.com/entune for details.</td>
<td>$</td>
</tr>
<tr>
<td>Integrated backup camera® display with projected path</td>
<td>$</td>
</tr>
<tr>
<td>TFT Multi-Information Display (MID), trip performance score, fuel consumption history, average fuel economy, fuel economy history, fuel cell system power level, Lane Departure Alert (LDA), clock settings, trip history</td>
<td>$</td>
</tr>
<tr>
<td>SofTex®-trimmed power heated tilt/telescopic steering wheel with 2-position memory function with piano-black accents and controls for audio, Multi-Information Display (MID), Bluetooth®, hands-free phone, voice command, Lane Departure Alert (LDA) and Dynamic Radar Cruise Control (DRCC)®</td>
<td>$</td>
</tr>
<tr>
<td>Water release control</td>
<td>$</td>
</tr>
<tr>
<td>Piano-black shift lever with matte-silver accents</td>
<td>$</td>
</tr>
<tr>
<td>TFT Display with speedometer, odometer, two tripometers, current trip information, outside temp, fuel level indicator, MPG®, ECO Driving Indicator, fuel cell system power level and battery charge indicator (also see Multi-Information Display)</td>
<td>$</td>
</tr>
<tr>
<td>SofTex®-trimmed two-stage heated front seats with contrasting inserts and seatback pockets, 8-way power-adjustable driver’s seat with 2-position memory function and power lumbar support, 8-way power adjustable front passenger seat with power lumbar support</td>
<td>$</td>
</tr>
<tr>
<td>SofTex®-trimmed two-stage heated rear seats</td>
<td>$</td>
</tr>
<tr>
<td>Rear seat with center console and armrest cup holders</td>
<td>$</td>
</tr>
<tr>
<td>Piano-black interior trim with carbon-fiber-style and matte-silver interior accents and chrome door handles</td>
<td>$</td>
</tr>
<tr>
<td>Smart Key System® on front doors and trunk with Push Button Start and remote illuminated entry</td>
<td>$</td>
</tr>
<tr>
<td>Power windows with auto up/down and jam protection in all positions and retained-power features</td>
<td>$</td>
</tr>
<tr>
<td>Rear window defogger with timer</td>
<td>$</td>
</tr>
<tr>
<td>Power door locks with shift-linked automatic lock/unlock feature and anti-lockout feature</td>
<td>$</td>
</tr>
<tr>
<td>Frameless auto-dimming day/night rearview mirror with HomeLink® universal transceiver</td>
<td>$</td>
</tr>
<tr>
<td>Multi-function front-seat center console with carbon-fiber-style accents, sliding cover and armrest, two front cup holders, Qi-compatible wireless smartphone charging, USB 2.0 port with iPod® connectivity and control</td>
<td>$</td>
</tr>
<tr>
<td>Covered rear-seat center console with tilt open and armrest, storage compartment and two cup holders</td>
<td>$</td>
</tr>
<tr>
<td>Passenger-side lockable glove compartment</td>
<td>$</td>
</tr>
<tr>
<td>One 12V rear auxiliary power outlet and two USB 2.1A charging ports®</td>
<td>$</td>
</tr>
<tr>
<td>Dual extendable sun visors with sliding extensions and illuminated vanity mirrors</td>
<td>$</td>
</tr>
<tr>
<td>Overhead console with maplights and dome light, sunglasses storage, Safety Connect® button</td>
<td>$</td>
</tr>
<tr>
<td>Front and rear dome lights, front maplights (reading lights)</td>
<td>$</td>
</tr>
<tr>
<td>Four cup holders and two front bottle holders</td>
<td>$</td>
</tr>
</tbody>
</table>

See numbered footnotes in Disclosures section. S = Standard
SAFETY/CONVENIENCE

Toyota Safety Sense™ 2.0 (TSS 2.0) — Pre-Collision System with Pedestrian Detection (PCS w/PD) with cyclist detection and improved low-light capabilities, Lane Departure Alert with Steering Assist (LDA w/SA) and Road Edge Detection, Sway Warning System (SWS), Automatic High Beams (AHB), Dynamic Radar Cruise Control (DRCC), Road Sign Assist (RSA)

Star Safety System™ — includes Vehicle Stability Control (VSC), Traction Control (TRAC), Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) and Smart Stop Technology (SST)

Eight airbags — includes driver and front passenger Advanced Airbag System, driver and front passenger seat-mounted side airbags, driver knee airbag, passenger seat-cushion airbag, and front and rear side curtain airbags

3-point seatbelts for all seating positions, driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger belts

Seatbelt pretensioners with force limiters for all seating positions

LATCH (Lower Anchors and Tethers for Children) includes lower anchors and upper tether anchors on rear seats

Child-protector rear door locks

Energy-absorbing collapsible steering column

Front and rear energy-absorbing crumple zones

Side-impact door beams

Tire Pressure Monitor System (TPMS)

Collision sensors: deactivate high-voltage battery and close H tank valves

Vehicle Proximity Notification System (VPNS)

Safety Connect™ — includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance and Automatic Collision Notification; with three-year trial subscription

Blind Spot Monitor (BSM) and Rear Cross-Traffic Alert (RCTA)

Front and rear parking assist sonar

LED Daytime Running Lights (DRL) with on/off feature

Anti-theft system with engine immobilizer

SPECIFICATIONS for Toyota Fuel Cell System

MECHANICAL/PERFORMANCE

NAME
Toyota fuel cell system

TYPE
Solid polymer electrolyte

HUMIDIFICATION METHOD
Internal circulation form (humidifier-less)

MAX POWER OUTPUT
153 hp

POWER DENSITY BY VOLUME
3.1 kW/L

POWER DENSITY BY WEIGHT
2.0 kW/kg

VOLUME
37 liters

WEIGHT
56 kg

MECHANICAL/PERFORMANCE (continued)

CELL
Number of cells: 370
Cell thickness: 1.34mm
Cell weight: 102g

SEPARATOR MATERIAL
Titanium

EMISSION RATING
California Air Resources Board (CARB) Emission Standard: Zero Emissions Vehicle (ZEV)
Federal Environmental Protection Agency (EPA) Emission Standard: Tier 3 Bin 0
### HYDROGEN TANK

<table>
<thead>
<tr>
<th>STORAGE METHOD</th>
<th>Mirai</th>
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<tr>
<td>High-pressure tanks (two)</td>
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<table>
<thead>
<tr>
<th>TYPE</th>
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<tr>
<td>Type-4</td>
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<table>
<thead>
<tr>
<th>MAXIMUM FILLING PRESSURE</th>
<th>Mirai</th>
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<tr>
<td>87.5 MPa</td>
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### TIRE SIZE

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<tr>
<th>SIZE</th>
<th>Mirai</th>
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<tr>
<td>P255/55R17</td>
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### DRIVE BATTERY

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<th>TYPE</th>
<th>Mirai</th>
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<tbody>
<tr>
<td>Sealed Nickel-Metal Hydride (Ni-MH), 34 cell modules</td>
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<table>
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<tr>
<th>POWER OUTPUT</th>
<th>Mirai</th>
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<tr>
<td>244.8 V (7.2 V x 34 cell modules)</td>
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### POWER ON-DEMAND SYSTEM

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<tr>
<th>MAX ELECTRICITY OUTPUT</th>
<th>Mirai</th>
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<tr>
<td>9 kW</td>
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### CRUISING RANGE

<table>
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<tr>
<th>0-60</th>
<th>Mirai</th>
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<tbody>
<tr>
<td>Approximately 300 miles</td>
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### 0-60

<table>
<thead>
<tr>
<th>9.0 seconds</th>
<th>Mirai</th>
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<tr>
<td>$</td>
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### MPGe

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<tr>
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<tr>
<td>MPGe</td>
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</table>

<table>
<thead>
<tr>
<th>Range (miles)</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>312</td>
<td>$</td>
</tr>
</tbody>
</table>

### ELECTRIC MOTOR

<table>
<thead>
<tr>
<th>MOTOR TYPE</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permanent Magnet AC synchronous</td>
<td>$</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAXIMUM OUTPUT</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>151 hp</td>
<td>$</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TORQUE</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>247 lb.-ft.</td>
<td>$</td>
</tr>
</tbody>
</table>

### DIMENSIONS

<table>
<thead>
<tr>
<th>EXTERIOR DIMENSIONS (in.)</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall height</td>
<td>60.5</td>
</tr>
<tr>
<td>Overall width</td>
<td>71.5</td>
</tr>
<tr>
<td>Overall length</td>
<td>192.5</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>109.5</td>
</tr>
<tr>
<td>Track (front/rear)</td>
<td>60.5/61</td>
</tr>
<tr>
<td>Minimum running ground clearance</td>
<td>5.1</td>
</tr>
<tr>
<td>Coefficient of drag (Cd)</td>
<td>.29</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>INTERIOR DIMENSIONS, FRONT/REAR (in.)</th>
<th>Mirai</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head room</td>
<td>38.5/36.8</td>
</tr>
<tr>
<td>Shoulder room</td>
<td>54.3/53.52</td>
</tr>
<tr>
<td>Hip room</td>
<td>53.4/52.4</td>
</tr>
<tr>
<td>Leg room</td>
<td>42.5/30.1</td>
</tr>
</tbody>
</table>

### BRAKES

Power-assisted ventilated front disc brakes, solid rear disc with integrated regenerative braking and Star Safety System™

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See numbered footnotes in Disclosures section.
Owner's Manual for additional limitations and details. 35. Vehicle Stability Control is an electronic system designed to help the driver maintain vehicle control under adverse conditions. It is not a substitute for safe and attentive driving practices. Factors including speed, road conditions, weather and driver steering input can all affect whether VSC will be effective in preventing a loss of control. See Owner's Manual for additional limitations and details. 36. Brake Assist is designed to help the driver take full advantage of the benefits of ABS. It is not a substitute for safe driving practices. Braking effectiveness also depends on proper vehicle maintenance, and tire and road conditions. See Owner's Manual for additional limitations and details. 37. Smart Stop Technology® operates only in the event of certain contemporaneous brake and accelerator pedal applications. When engaged, the system will reduce power to help the brakes bring the vehicle to a stop. Factors including speed, road conditions and driver input can all impact stopping distance. Smart Stop Technology® is not a substitute for safe and attentive driving and does not guarantee instant stopping. See Owner's Manual for additional limitations and details. 38. All the airbags are Supplemental Restraint Systems. All airbags (if installed) are designed to inflate only under certain conditions and in certain types of severe collisions. To decrease the risk of injury from an inflating airbag, always wear seatbelts and sit upright in the middle of the seat as far back as possible. Do not put objects in front of an airbag or around the seatback. Do not use a rearward-facing child seat in any front passenger seat. See Owner's Manual for additional limitations and details. 39. The Tire Pressure Monitor System alerts the driver when tire pressure is critically low. For optimal tire wear and performance, tire pressure should be checked regularly with a gauge; do not rely solely on the monitor system. See Owner's Manual for details. 40. This device is not a substitute for safe and attentive driving practices. It is the driver’s responsibility to maintain a lookout for pedestrians, cyclists, other cars and objects, and to drive the vehicle in a safe and attentive manner to avoid making contact. 41. Roadside Assistance coverage is 3 years unlimited mileage. Does not include parts and fluids, except emergency fuel delivery. See Toyota Mirai Fuel Cell Vehicle Dealership for details and exclusions. Valid only in the continental U.S. and Alaska. 42. Do not rely exclusively on the Rear Cross-Traffic Alert system. Always look over your shoulder and use your mirrors to confirm clear rear. There are limitations to the function, detection and range of the system. See Owner's Manual for additional limitations and details. 43. Parking assist sonar is designed to warn drivers of potential front and rear collisions at speeds of 6 mph or less. Certain vehicle and environmental factors, including an object's shape and composition, may affect the ability of the front and rear parking assist sonar to detect it. Always look around outside the vehicle and use mirrors to confirm clearance. See Owner's Manual for additional limitations and details. 44. The engine immobilizer is a state-of-the-art anti-theft system. When you insert your key into the ignition switch or bring a Smart Key fob into the vehicle, the key transmits an electronic code to the vehicle. The engine will only start if the code in the transponder chip inside the key/fob matches the code in the vehicle's immobilizer. Because the transponder chip is embedded in the key/fob, it can be costly to replace. If you lose a key or fob, your Toyota dealer can help. Alternatively, you can find a qualified independent locksmith to perform high-security key services by consulting your local Yellow Pages or by contacting www.aloa.org. 45. Fueling time varies with hydrogen fueling pressure and ambient temperature. 46. Cargo and load capacity limited by weight and distribution. Always properly secure cargo and cargo area. 47. 2019 EPA-estimated 67 city/67 highway/67 combined MPG for Mirai and 312-mile driving range. Actual mileage will vary for many reasons including driving conditions and how you drive and maintain your vehicle. Range measurement pursuant to SAE J2601 standards (ambient temperature: 20°C; hydrogen tank pressure when fueled: 70 MPa). Fueling time varies with hydrogen fueling pressure and ambient temperature. 48. TMS U.S.A. is not responsible for operability of stations or their progress in construction. Projected operational dates are estimates and subject to change as a result of permit application/approval process, construction process and station certification process. 49. Projected hydrogen station operational dates are TMS U.S.A.'s best estimates for when stations will be available for use by Mirai customers according to representation of construction progress by California Governor's Office of Business and Economic Development (Go-Biz). Operational date estimates are based on construction start date. 50. Standard ToyotaCare covers normal factory scheduled maintenance for two years or 25,000 miles, whichever comes first and also includes 24-hour roadside assistance for two years, regardless of mileage. The Mirai enhancement of ToyotaCare — a total of 3 years or 35,000 miles, whichever comes first — is valid only at authorized Mirai Fuel Cell Electric Vehicle Dealerships in the continental United States. See an Authorized Mirai Fuel Cell Electric Vehicle Dealership for details and exclusions. 51. The twenty-one complimentary days will expire after the third year and any unused days will not carry over. 52. Complimentary fuel for three years or $15,000 maximum, whichever comes first. The three-year period starts on the date of card activation or 90 days after vehicle sale or lease commencement date, whichever is earlier. Fuel card is nontransferable. The Mirai is a hydrogen-powered fuel cell electric vehicle that must be fueled at hydrogen stations conforming to the latest Society of Automotive Engineers (SAE) hydrogen fueling interface protocol standards or laws that may supersede such SAE standards. Refer to the Mirai Hydrogen Stations Locator App in Entune, ™ www.toyota.com, or call Toyota customer service at 1-800-331-4331 for information on hydrogen fueling stations available to Mirai. 53. Extra-cost color. 54. Valid only at Authorized Mirai Fuel Cell Electric Vehicle Dealerships in the continental United States. See dealer for details and exclusions.

**WARRANTIES**

Every Toyota Car, Truck and SUV is built to exceptional standards. And that's not idle boasting. We back it with these Limited Warranty Coverages:

**Basic:** 36 months/36,000 miles (all components other than normal wear and maintenance items).

**Fuel-Cell-System-Related Component Coverage:** Fuel Cell System components, including the FC Battery Pack, Battery ECU, FC Air Compressor, FC Boost Converter, FC ECU, H2 tanks, FC PCU (Power Control Unit), FC System, HF ECU (H2 Fueling ECU), and Power Management ECU (HV ECU).

**Powertrain:** 60 months/60,000 miles (engine, transmission/transaxle, drive system, seatbelts and airbags).

**Rust-Through:** 60 months/unlimited miles (corrosion perforation of sheet metal).

**Emissions:** Coverages vary under Federal and California regulations. Refer to applicable new vehicle warranty, whichever provides greater coverage.

**Accessibility:** For Genuine Toyota Accessories purchased at the time of the new vehicle purchase, the Toyota Accessory Warranty coverage is in effect for 36 months/36,000 miles from the vehicle's in-service date, which is the same coverage as the Toyota New Vehicle Limited Warranty.

For Genuine Toyota Accessories purchased after the new vehicle purchase the coverage is 12 months, regardless of mileage, from the date the accessory was installed on the vehicle, or the remainder of any applicable new vehicle warranty, whichever provides greater coverage.

You may be eligible for transportation assistance if it's necessary that your vehicle be kept overnight for repairs covered under warranty. Please see your authorized Toyota dealership for further details.

**For complete details about Toyota's warranties, please visit www.toyota.com, or refer to the applicable Warranty and Maintenance Guide or see your Toyota dealer.**

Some vehicles are shown with available equipment. Seatbelts should be worn at all times. For details on vehicle specifications, standard features and available equipment in your area, contact your Toyota dealer. A vehicle with particular equipment may not be available at the dealership. Ask your Toyota dealer to help locate a specifically equipped vehicle.