



Don't just dream of a better future. Make it. The 2018 Mirai.

The innovative Mirai Fuel Cell Vehicle (FCV) is one daring statement crafted to help shape the next generation of mobility. Mirai literally means "future," and its advanced innovations go well beyond its hydrogen-powered fuel cell stack. Engineers worked tirelessly to push the boundaries of hydrogen technology, doing everything from inventing a new way to weave carbon fiber to helping create the SAE standards used across modern hydrogen fueling stations. This investment in hydrogen — the most abundant element in the universe — is an investment in an ever better future for all.





"We had to create our own carbon-fiber wrapping process, which increased the speed of wrapping over six times from our previous method — far faster than anything available in the rest of the industry at the time of development. It shouldn't be too surprising that our automotive engineers could shift gears and develop this new method, given Toyota's origination as a loom company."

— Jackie Birdsall, Senior Engineer, Toyota Motor North America





How it works

The Power Control Unit (PCU) decides when to use stored energy from the battery or to draw energy directly from the fuel cell stack. This is part of what makes Mirai so energy efficient, and is based on the proven Toyota hybrid PCU found in Prius.





THE MOTOR

We utilized our in-house, technological know-how to select the right electric motor for Mirai. This motor has been rigorously tested across all types of environments and conditions, and delivers the reliability you expect from Toyota.

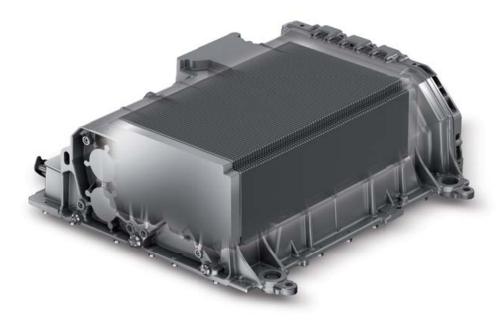
THE BOOST CONVERTER

Our four-phase boost converter brings voltage to 650 volts. Driving at a higher voltage makes more efficient use of the motor, giving Mirai a power output equivalent to other hybrids in Toyota's portfolio.



The fuel cell stack

The fuel cell stack generates power by combining hydrogen with oxygen from the outside air. Toyota has helped lead the industry in this fuel cell stack efficiency, achieving a high power output from a relatively compact system.





THE BATTER'

The battery allows for regenerative braking and also assists during high-power demands like accelerating — improving total system efficiency and fuel economy. Like the motor, the battery is sourced from proven Toyota hybrid technology.

THE HYDROGEN TANKS

All of our hydrogen tanks are produced in-house and specially designed for Mirai. Toyota's history in the loom-weaving business helped our engineers design the carbon-fiber weaving on our tanks, improving production efficiencies and helping to optimize the weight-to-storage ratio.



"As of today, Toyota solely owns approximately 5680 hydrogen-fuel-cell-related global patents. Approximately 1970 licenses are related to the fuel cell stack, about 290 to the high-pressure hydrogen tank and about 3350 to fuel cell system control technology."

— Bob Carter, EVP of Sales, Toyota Motor North America





Fueling a better tomorrow.

With our Environmental Challenge 2050, Toyota aims to go beyond zero environmental impact and achieve a net positive impact. One pillar of this challenge is to reduce vehicle CO₂ emissions by 90 percent compared to 2010 levels, and one of the key ways to achieve this goal will be through the utilization of hydrogen as a fuel source. Hydrogen is the most abundant element in the universe, and wider adoption of hydrogen-powered fuel cell vehicles could lead to reduced emissions of greenhouse gases, helping to create a better environment for all.

Hydrogen is fuel. Pure and simple.

There are a lot of ways to produce hydrogen. But hydrogen binds to almost anything, so before it can be used, it must be separated. A variety of process technologies are available today, like steam reforming, electrolysis and gasification.







STEAM REFORMING

Steam reforming of methane is the most common method for producing hydrogen today. It starts with liquids or gases containing hydrogen, like natural gas or sustainable biogas sourced from landfills. The fuel then reacts with steam at high temperatures in a reformer, leaving you with hydrogen.

ELECTROLYSIS

Hydrogen can also be produced by separating water into its two primary elements — hydrogen (H_2) and oxygen (O_2). This process, known as electrolysis, passes an electrical current through the water to extract hydrogen. The electricity can be sourced from clean, renewable energy such as wind, solar or hydro.

GASIFICATION

Gasification is a process in which organic materials, like crops and livestock waste, are converted into hydrogen. The organic materials are placed under high temperatures, which trigger a reaction that separates the hydrogen.



Hydrogen stations take processed hydrogen, compress it and cool it to deliver it safely to your Mirai. Since the equipment is built above ground, it is safe and easy to install, service and upgrade.

- **1. Hydrogen:** Source hydrogen is supplied as a compressed gas or a liquid, and is typically stored in bottles known as "cylinder racks," tanks or tube trailers
- **2. Compression:** The hydrogen is compressed to H35 or H70
- **3. Buffers:** The pressurized hydrogen is then stored in tubes known as "buffers"
- 4. Exchanger: Before being dispensed, the hydrogen is cooled in a heat exchanger, enabling quick fueling
- **5. The Dispenser:** The cooled hydrogen is transferred to the FCV

It's not just the vehicle that's advanced.

More than 4000 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 30 public fueling cell stations in California^{38, 39} and this number continues to increase toward the ultimate goal of 100 stations in the near future. Since it takes just minutes to refuel,³⁵ these new stations mean that Mirai can take you farther than you ever thought possible.

Find stations at: Toyota.com/Mirai/Stations







COMMUNICATION

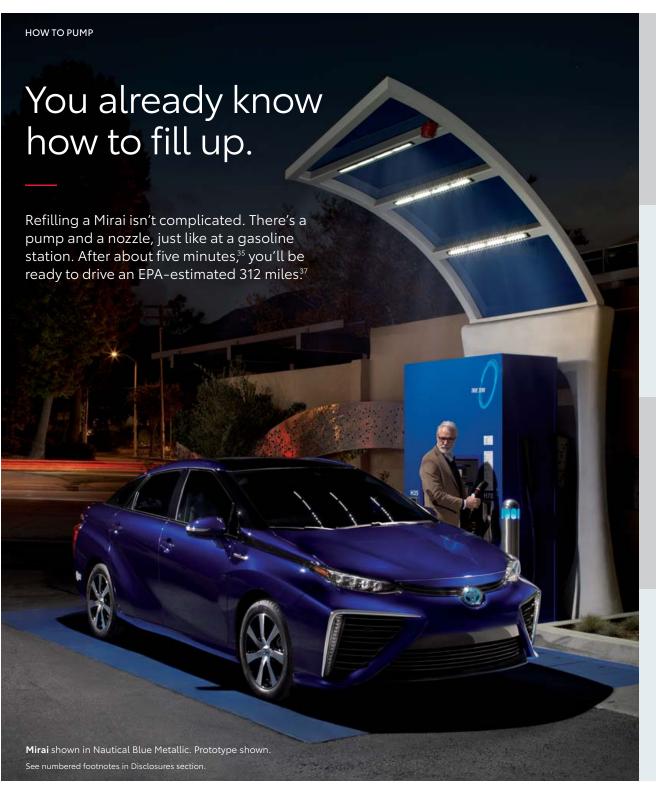
Hydrogen dispensers are designed with infrared equipment that allows them to communicate with Mirai's hydrogen fuel control computer. This device communicates things like ambient air temperature, tank pressure and current fill levels to ensure optimum filling.

SUPPLY

With the potential to process hydrogen either on-site or off-site, hydrogen fueling providers are finding innovative ways to utilize a range of production methods, such as electrolysis or steam reforming.

COMPRESSION

Before hydrogen can be dispensed into a fuel cell vehicle, it needs to be compressed. Mirai fills up using the highest pressure fill available, H70, which utilizes the smart communication system between car and pump. While it's possible to fill the tank using an H35 pump, the tank will only be filled just over halfway.



STEP#1

Place the nozzle over the receptacle, creating a secure connection. Unlike gasoline pumps, hydrogen nozzles have a barrel that fits over the car receptacle.



Squeeze the handgrip latch to lock the nozzle into place. The pump will not start until the nozzle is properly engaged, preventing any hydrogen from leaking.

STEP#3

Let the computer top it off. During fueling, Mirai's hydrogen fuel control computer disables the vehicle and communicates with the station pump, allowing the vehicle to fill up safely and efficiently.



STEP#4

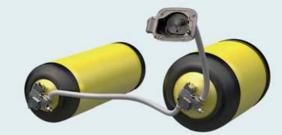
Wait for the click to let you know fueling is complete. When complete, pull up the handgrip latch to unlock the nozzle and return it to the holder.



Rethinking the fuel tank.

It all starts with hydrogen. When you pump hydrogen into the vehicle, it travels to carbon-fiber-reinforced fuel tanks where it's stored. A vehicle as groundbreaking and revolutionary as the hydrogen-fueled Toyota Mirai is coupled with equally groundbreaking and revolutionary technology.

- 1. Inner: polymer-lined layer to hold the hydrogen
- **2. Middle:** structural layer of carbon-fiber-reinforced polymer to provide strength
- **3. Outer:** glass-fiber-reinforced polymer layer to help protect from surface abrasions





Buying into the future 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.



FIRST COMES AIR

The FCV's front intake grilles deliver the outside air to the fuel cell stack.



WHICH MAKES ELECTRICITY

Hydrogen travels from the tanks to the fuel cell stack. In the fuel cell stack, hydrogen and oxygen from the air combine in a chemical reaction that creates electricity to power the vehicle.



MOVING YOU FORWARD

When you put your foot on the accelerator, electricity from the fuel cell stack is sent to the motor.

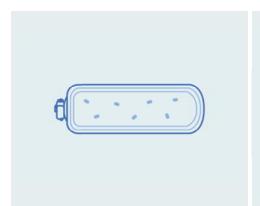


LEAVING NOTHING BUT WATER

In the end, the only by-product of creating electricity with hydrogen and oxygen in our fuel cell stack is water, which leaves through a hatch located on the bottom of Mirai.

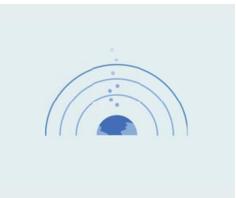
A global effort. Committed to safety.

Global Technical Regulation No.13 is an agreement between Japan, Europe and North America that sets the safety requirements that all high-pressure hydrogen systems must adhere to. Compliance with this regulation is tough, and requires hydrogen tanks to be dropped, frozen, damaged, exposed to chemicals, hydraulically and pneumatically cycled, stuck on a bonfire and ultimately burst to ensure tank performance throughout the lifetime of the vehicle. Toyota engineers have worked to ensure that Mirai's hydrogen tanks meet these regulations so that drivers may enjoy years of emission-free driving.









OUR TANKS ARE DESIGNED NOT TO LEAK

Our multi-patented, carbon-fiber-wrapped, polymer-lined tanks are built in a three-layer structure and absorb five times the crash energy of steel.

IN A HIGH-SPEED COLLISION, SENSORS STOP THE FLOW OF HYDROGEN

To prevent hydrogen from traveling to potentially damaged systems outside of the tank, the system is designed to automatically shut off the tank's hydrogen output valve.

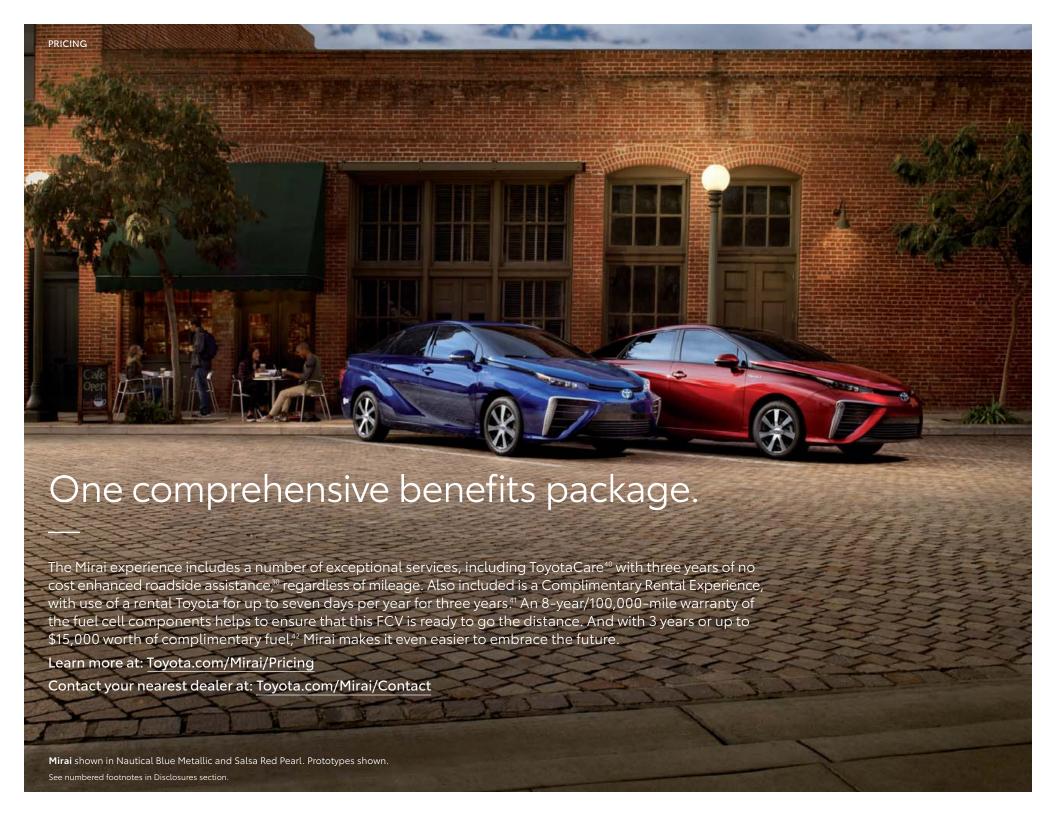
ANY LEAKED HYDROGEN IS QUICKLY DISPERSED

All hydrogen-related parts are located outside the cabin and are designed to help prevent leaked hydrogen from building up.

HYDROGEN ESCAPES SAFELY INTO THE ATMOSPHERE

Since hydrogen is lighter than air, it rapidly disperses, reducing the time to cause damage in the event of an ignition.





MIRAI COLOR/TRIM/WHEEL



Exterior Features

- LED low- and high-beam headlights with Automatic High Beams (AHB)² 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,³ reverse tilt and power-folding features with 2-position memory function
- Color-keyed outside door handles (with touch-sensor lock/unlock feature on front doors)
- 17-in. silver-painted, machined, engraved alloy wheels with black-painted accents 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^{4,5} Premium Audio with JBL®6 w/Clari-Fi;™6 Dynamic Navigation² and App Suite^{4,5} includes 11 speakers including subwoofer, amplifier, 7-in. touch-screen, AM/FM CD player, MP3/WMA playback capability, auxiliary port, USB 2.0 port⁸ with iPod®9 connectivity and control, Dynamic Navigation² with up to a 3-year trial, Dynamic POI Search, Dynamic voice recognition,⁴⁴ hands-free phone capability and music streaming¹0 via Bluetooth®10 wireless technology, Entune® App Suite;⁴.⁵ Siri® Eyes Free,¹¹ HD Radio™12 Technology, SiriusXM® Satellite Radio¹3 with 3-month complimentary All Access trial¹⁴ and Gracenote® album cover art. Toyota Connected Services Safety Connect®15 with 3-year trial, Wi-Fi Connect Powered by Verizon¹6 with up to 2GB within 6-month trial and Destination Assist Connect¹7 with 6-month trial. See toyota.com/entune for details.
- Integrated backup camera¹⁸ display with projected path
- TFT Multi-Information Display (MID), trip performance score, fuel consumption history, average fuel economy, fuel economy history, fuel cell stack power level, Lane Departure Alert (LDA),9 clock settings, trip history
- Dynamic Radar Cruise Control (DRCC)²⁰
- · Water release control

Interior Features (cont.)

- 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
- SofTex®-trimmed two-stage heated rear seats
- Smart Key System²¹ 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;²³ USB 2.0 port⁸ with iPod^{®9} connectivity and control
- One 12V rear auxiliary power outlet and two USB 2.1A charging ports⁸
- Four cup holders and two front bottle holders

Safety Features

- Star Safety System™ includes Vehicle Stability Control (VSC);²⁴
 Traction Control (TRAC), Anti-lock Brake System (ABS),
 Electronic Brake-force Distribution (EBD), Brake Assist (BA)²⁵
 and Smart Stop Technology® (SST)²⁶
- Eight airbags²⁷ 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)28
- Collision sensors: deactivate high-voltage battery and close H_2 tank valves
- Vehicle Proximity Notification System (VPNS)²⁹
- Safety Connect®15 includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance³0 and Automatic Collision Notification; with three-year trial subscription.
- Pre-Collision System (PCS)³¹
- Lane Departure Alert (LDA)¹⁹
- Blind Spot Monitor (BSM)3 and Rear Cross-Traffic Alert (RCTA)32
- Front and rear parking assist sonar³³
- LED Daytime Running Lights (DRL) with on/off feature
- Anti-theft system with engine immobilizer34

FCV APPS



 H_2 Fuel Stations: 38,39 Using H_2 Fuel Stations on your vehicle head unit, you can search for hydrogen fueling stations in the vicinity and view additional information such as station status (e.g., Online, Off-line, Limited, Unknown), hours of operation, phone number and station details.

Color



Celestial Black⁴³

Nautical Blue Metallic



Atmospheric Blue Metallic



Salsa Red Pearl



Elemental Silver⁴³



Crystal White⁴³

Trim



Deep Ocean Blue



Warm White

Wheel



17-in. engraved alloy wheel

EXTERIOR	Mirai
LED low- and high-beam headlights with Automatic High Beams (AHB) ² with auto on/off feature	S
LED Daytime Running Lights (DRL)	S
LED stop lights	S
Black sport front grille	S
Color-keyed front bumpers with black inserts with chrome accents and color-keyed rear bumpers	S
Exclusive fuel cell vehicle badging	S
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	S
Color-keyed outside door handles (with touch-sensor lock/unlock feature on front doors)	S
17-in. silver-painted, machined, engraved alloy wheels with black-painted accents and P215/55R17 tires	S
Rain-sensing, washer-linked, variable intermittent windshield wiper with heated windshield wiper de-icer	S
Acoustic noise-reducing windshield and front/rear side glass	S
Color-keyed roof-mounted shark-fin antenna	S
INTERIOR	
Dual zone automatic climate control with Intelligent Touch controls, cabin air filter and individually controlled rear-seat vents	S
Intelligent Touch controls for heated seats, heated steering wheel and windshield wiper de-icer	S
Entune™ 3.0 ^{4,5} Premium Audio with JBL [®] w/Clari-Fi,™ ⁶ Dynamic Navigation ⁷ and App Suite ^{4,5} — includes 11 speakers including subwoofer, amplifier, 7-in. touch-screen, AM/FM CD player, MP3/WMA playback capability, auxiliary port, USB 2.0 port ⁸ with iPod [®] connectivity and control, Dynamic Navigation ⁷ with up to a 3-year trial, Dynamic POI Search trial, Dynamic voice recognition, ⁴⁴ hands-free phone capability and music streaming ¹⁰ via <i>Bluetooth</i> ^{®10} wireless technology, Siri® Eyes Free, ¹¹ HD Radio ^{™12} Technology, SiriusXM® Satellite Radio ¹³ with 3-month complimentary All Access triall ⁴⁴ and Gracenote® album cover art. Toyota Connected Services — Safety Connect ^{®15} with 3-year trial, Wi-Fi Connect Powered by Verizon ¹⁶ with up to 2GB within 6-month trial and Destination Assist Connect ¹⁷ with 6-month trial. See toyota.com/entune for details.	s
Integrated backup camera ¹⁸ display with projected path	S
TFT Multi-Information Display (MID), trip performance score, fuel consumption history, average fuel economy, fuel economy history, fuel cell stack power level, Lane Departure Alert (LDA), clock settings, trip history	S
Dynamic Radar Cruise Control (DRCC) ²⁰	S
SofTex $^{\circ}$ -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 $^{\circ}$ hands-free phone, voice command, Lane Departure Alert (LDA) 19 and Dynamic Radar Cruise Control (DRCC) 20	s
Water release control	S
Piano-black shift lever with matte-silver accents	S
TFT Display with speedometer, odometer, two tripmeters, current trip information, outside temp, fuel level indicator, MPGe, ECO Driving Indicator, fuel cell stack power level and battery charge indicator (also see Multi-Information Display)	s
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	s
SofTex®-trimmed two-stage heated rear seats	S
Rear seat with center console and armrest cup holders	S
Piano-black interior trim with carbon-fiber-style and matte-silver interior accents and chrome door handles	S
Smart Key System ²¹ on front doors and trunk with Push Button Start and remote illuminated entry	S
Power windows with auto up/down and jam protection in all positions and retained-power features	S
Rear window defogger with timer	S
Power door locks with shift-linked automatic lock/unlock feature and anti-lockout feature	S
Frameless auto-dimming day/night rearview mirror with HomeLink®22 universal transceiver	S
Multi-function front-seat center console with carbon-fiber-style accents, sliding cover and armrest, two front cup holders, Qi-compatible wireless smartphone charging, ²³ USB 2.0 port ⁸ with iPod ^{®9} connectivity and control	s
Covered rear-seat center console with tilt open and armrest, storage compartment and two cup holders	S
Passenger-side lockable glove compartment	S
One 12V rear auxiliary power outlet and two USB 2.1A charging ports ⁸	S
Dual extendable sun visors with sliding extensions and illuminated vanity mirrors	S
Overhead console with maplights and dome light, sunglasses storage, Safety Connect®15 button	S
Front and rear dome lights, front maplights (reading lights)	S

See numbered footnotes in Disclosures section.

SAFETY/CONVENIENCE	Mirai
Four cup holders and two front bottle holders	S
Star Safety System $^{\text{TM}}$ — includes Vehicle Stability Control (VSC); ²⁴ Traction Control (TRAC), Anti-lock Brake System (ABS), Electronic Brake-force Distribution (EBD), Brake Assist (BA) ²⁵ and Smart Stop Technology® (SST) ²⁶	S
Eight airbags ²⁷ — 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	S
3-point seatbelts for all seating positions, driver-side Emergency Locking Retractor (ELR) and Automatic/Emergency Locking Retractor (ALR/ELR) on all passenger belts	S
Seatbelt pretensioners with force limiters for all seating positions	S
LATCH (Lower Anchors and Tethers for CHildren) includes lower anchors and upper tether anchors on rear seats	S
Child-protector rear door locks	S
Energy-absorbing collapsible steering column	S
Front and rear energy-absorbing crumple zones	S
Side-impact door beams	S
Tire Pressure Monitor System (TPMS) ²⁸	S
Collision sensors: deactivate high-voltage battery and close H2 tank valves	S
Vehicle Proximity Notification System (VPNS) ²⁹	S
Safety Connect ^{®15} — includes Emergency Assistance, Stolen Vehicle Locator, Roadside Assistance ³⁰ and Automatic Collision Notification; with three-year trial subscription	S
Pre-Collision System (PCS) ³¹	S
Lane Departure Alert (LDA) ¹⁹	S
Blind Spot Monitor (BSM) ³ and Rear Cross-Traffic Alert (RCTA) ³²	S
Front and rear parking assist sonar ³³	S
LED Daytime Running Lights (DRL) with on/off feature	S
Anti-theft system with engine immobilizer ³⁴	S

SPECIFICATIONS

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MECHANICAL/PERFORMANCE (continued)	Mirai
EMISSION RATING	
California Air Resources Board (CARB) Emission Standard: Zero Emissions Vehicle (ZEV)	S
Federal Environmental Protection Agency (EPA) Emission Standard: Tier 3 Bin 0	S
HYDROGEN TANK	
STORAGE METHOD	
High-pressure tanks (two)	S
TYPE	
Type-4	S
MAXIMUM FILLING PRESSURE	
87.5 MPa	S
NORMAL OPERATIONAL PRESSURE	
70 MPa	S
STORAGE CAPACITY	
5.7 wt%	S
SIZE (VOLUME)	
122.4L (fore tank: 60 liters, aft tank: 62.4 liters)	S
MATERIAL	
Inner layer: plastic liner	S
Middle layer: carbon-fiber-reinforced plastic	S
Surface layer: glass-fiber-reinforced plastic	S
REFUELING TIME ³⁵	
Approximately 3-5 minutes	S

ELECTRIC MOTOR	Mirai
MOTOR TYPE	
Permanent Magnet AC synchronous	S
MAXIMUM OUTPUT	
151 hp	S
TORQUE	
247 lbft.	S
DIMENSIONS	
EXTERIOR DIMENSIONS (in.)	
Overall height	60.5
Overall width	71.5
Overall length	192.5
Wheelbase	109.5
Track (front/rear)	60.5/61
Minimum running ground clearance	5.1
Coefficient of drag (Cd)	.29
INTERIOR DIMENSIONS, FRONT/REAR (in.)	
Head room	38.5/36.8
Shoulder room	54.3/53.52
Hip room	53.4/52.4
Leg room	42.5/30.1
BRAKES	
Power-assisted ventilated front disc brakes; solid rear disc with integrated regenerative braking and Star Safety System™	S
WEIGHTS AND CAPACITIES	
Curb weight (lb.)	4075
Seating capacity	4
Passenger volume (cu. ft.)	85.7
Cargo volume ³⁶ (cu. ft.)	12.8
TIRES	
SIZE	
P255/55R17	S

TYPE Sealed Nickel-Metal Hydride (Ni-MH), 34 cell modules POWER OUTPUT 244.8 V (7.2 V x 34 cell modules) S POWER ON-DEMAND SYSTEM MAX ELECTRICITY OUTPUT 9 kW S CRUISING RANGE Approximately 300 miles 37 S 0-60 9.0 seconds MPGE37/OTHER MPGe Ange (miles) 37 Ange (miles) 37 Ange (miles) 37 DRIVETRAIN Front-Wheel Drive S SUSPENSION FRONT MacPherson strut Acapherson strut S REAR Torsion beam S STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S Turning circle diameter, curb to curb (ft.) S S Turning circle diameter, curb to curb (ft.) S S S POWER ONT	DRIVE BATTERY	Mirai
POWER OUTPUT 244.8 V (7.2 V x 34 cell modules) \$ POWER ON-DEMAND SYSTEM MAX ELECTRICITY OUTPUT \$ 9 kW \$ CRUISING RANGE * Approximately 300 miles³7 \$ 9.0 seconds \$ MPGE³²/OTHER * MPGe 67 Range (miles)³7 312 DRIVETRAIN \$ Front-Wheel Drive \$ SUSPENSION \$ FRONT \$ MacPherson strut \$ REAR \$ Torsion beam \$ STEERING \$ Electric Power Steering (EPS); power-assisted rack-and-pinion \$	TYPE	
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MPGe 67 Range (miles) ³⁷ 312 DRIVETRAIN Front-Wheel Drive \$ SUSPENSION FRONT MacPherson strut \$ REAR Torsion beam \$ STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion \$	9.0 seconds	S
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Front-Wheel Drive S SUSPENSION FRONT MacPherson strut S REAR Torsion beam S STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	Range (miles) ³⁷	312
SUSPENSION FRONT MacPherson strut SREAR Torsion beam SSTEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	DRIVETRAIN	
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MacPherson strut S REAR Torsion beam S STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	SUSPENSION	
REAR Torsion beam S STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	FRONT	
Torsion beam S STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	MacPherson strut	S
STEERING Electric Power Steering (EPS); power-assisted rack-and-pinion S	REAR	
Electric Power Steering (EPS); power-assisted rack-and-pinion	Torsion beam	S
	STEERING	
Turning circle diameter, curb to curb (ft.) 37.4	Electric Power Steering (EPS); power-assisted rack-and-pinion	S
	Turning circle diameter, curb to curb (ft.)	37.4

CARS BUILT FOR THE WAY YOU LIVE

At Toyota, we build cars for how you live. From building advanced safety features designed to help prevent crashes to driving cross-country to understand how we can make your driving experience better, our work starts with understanding your needs. Building cars for how you live also means thinking about tomorrow — from fuel efficiency and environmental innovations, to things beyond cars, like a bicycle that you can control with your mind. And because what we learn building cars can help improve lives in other places, we do things like help communities rebuild their homes quickly after a disaster and work with soup kitchens to help them serve more people faster. Toyota. Built for how you live. Together we are going places.

WARRANTIES

Every Toyota Car, Truck and SUV is built to exceptional standards. And that's not idle boasting. We back it up 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 Stack, 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 *Warranty and Maintenance Guide* for details.

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.

Accessories: 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, refer to the applicable Warranty and Maintenance Guide or see your Toyota dealer.

All information presented herein is based on data available at the time of posting, is subject to change without notice and pertains specifically to mainland U.S.A. vehicles only. Prototypes shown. Actual production vehicles may vary.



Toyota drivers love to embrace new things and find new adventures. They just can't sit still. And proper vehicle maintenance is key to helping keep your Toyota safe, dependable and ready to explore. That's why we include a no cost maintenance plan with the purchase or lease of every new Mirai for 3 years or 35,000 miles, whichever comes first. 24-hour roadside assistance is also included for 2 years and unlimited miles. For all the details and exclusions, please call, visit online or stop by your local Toyota dealer today. Valid only in the continental U.S. and Alaska. Let's drive with confidence. Welcome to the ToyotaCare advantage.



1. Toyota strives to build vehicles to match customer interest and thus they typically are built with popular options and option packages. Not all options/packages are available separately and some may not be available in all regions of the country. See toyota.com for information about options/packages commonly available in your area. If you would prefer a vehicle without any or with different options, contact your dealer to check for current availability or the possibility of placing a special order. 2. Automatic High Beams operate at speeds above 25 mph. Factors such as a dirty windshield, weather, lighting and terrain limit effectiveness, requiring the driver to manually operate the high beams. See Owner's Manual for additional limitations and details. 3. Do not rely exclusively on the Blind Spot Monitor. Always look over your shoulder and use your turn signal. There are limitations to the function, detection and range of the monitor. See Owner's Manual for additional limitations and details. 4. Be sure to obey traffic regulations and maintain awareness of road and traffic conditions at all times. Apps/ services vary by phone/carrier; functionality depends on many factors. Select apps use large amounts of data; you are responsible for charges. Apps and services subject to change. See toyota.com/entune for details. 5. If you register for Entune® App Suite and opt-in for Fuel Cell Vehicle (FCV) features, your vehicle will automatically and electronically transmit Vehicle Health Information to Toyota for quality confirmation, trend analysis, research, product development and to provide FCV features to you. Transmission of Vehicle Health Information includes Diagnostic Trouble Codes (DTC) and related data from the vehicle's on-board diagnostic (OBD) system from your vehicle to Toyota without notice to you. Related data includes but is not limited to vehicle speed, FC stack coolant temperature, air compressor revolution and FC output power. Vehicle Health Information may be used by Toyota for quality confirmation, trend analysis, research and product development and retained to achieve these goals. It is not shared outside of Toyota and is retained by Toyota to support research and development. Location data is used by Toyota to support hydrogen station map and vehicle finder applications operated by Toyota. At each ignition off, the location data overwrites the previous location data; the old data is purged. Toyota may share anonymized and aggregated fuel cell analytic reporting with federal and state regulatory agencies and non-profit organizations for the purpose of education and research related to environment and energy issues, advanced technology and usage analysis. 6. JBL® and Clari-Fi™ are registered trademarks of Harman International Industries, Incorporated. 7. Availability and accuracy of the information provided by the Dynamic Navigation system is dependent upon many factors. Use common sense when relying on information provided. Services and programming subject to change. Services not available in every city or roadway. See Owner's Manual for details. 8. May not be compatible with all mobile phones, MP3/WMA players and like models. 9. iPod® and iPhone® are registered trademarks of Apple Inc. All rights reserved. 10. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Toyota is under license. A compatible Bluetooth®-enabled phone must first be paired. Phone performance depends on software, coverage and carrier. 11. Always drive safely, obey traffic laws and focus on the road while driving. Siri® is available on select iPhone®/iPad® models and requires Internet access. Siri® is not available in all languages or all areas and features vary by area. Some Siri® functionality and commands are not accessible in the vehicle. Data charges may apply. See apple.com and phone carrier for details. Siri® is a registered trademark of Apple Inc. 12. HD Radio™ Technology manufactured under license from iBiquity Digital Corporation U.S. and Foreign Patents. HD Radio™ and the HD, HD Radio, and "Arc" logos are proprietary trademarks of iBiquity Digital Corpo. 13. SiriusXM® audio services require a subscription sold separately by Sirius XM Radio Inc. If you decide to continue service after your trial, the subscription plan you choose will automatically renew thereafter and you will be charged according to your chosen payment method at then-current rates. Fees and taxes apply. To cancel, you must call SiriusXM at 1-866-635-2349. See SiriusXM Customer Agreement for complete terms at www.siriusxm.com. All fees and programming subject to change. Not all vehicles or devices are capable of receiving all services offered by SiriusXM. Current information and features may not be available in all locations, or on all receivers. ©2018 Sirius XM Radio Inc. SiriusXM and all related marks and logos are trademarks of Sirius XM Radio Inc. 14. Trial length and service availability may vary by model, model year or trim. 15. Contact with the response center may not be available in all areas. Service Agreement required. A variety of subscription terms available; charges will vary. See toyota.com for details. 16. Wi-Fi Connect is available on select 2018 and newer Toyota vehicles. Visit toyota.com for vehicle availability. Verizon Wireless is the network provider for Wi-Fi Connect, which uses Verizon's 4G LTE network to transmit data. Data usage applies. Coverage not available everywhere; see vzw.com. See verizonwireless.com/bestnetwork for details. LTE is a trademark of ETSI. Other terms apply. Up to 5 devices can be supported using in-vehicle connectivity. Verizon Wireless data subscription required upon end of 6-month trial period or use of 2 GB data (whichever comes first). Use of Wi-Fi Connect subject to Verizon Wireless' Customer Agreement (verizonwireless.com/legal/notices/customer-agreement/), Privacy Policy (verizon.com/about/privacy/privac (verizonwireless.com/support/vz-email-legal/). 17. Availability and accuracy of the information provided is dependent upon many factors. Use common sense when relying on this information. Services and programming subject to change. Service not available in every city or roadway. See Owner's Manual for details. 18. The backup camera does not provide a comprehensive view of the rear area of the vehicle. You should also look around outside your vehicle and use your mirrors to confirm rearward clearance. Environmental conditions may limit effectiveness and view may become obscured. See Owner's Manual for additional limitations and details. 19. Lane Departure Alert is designed to read visible lane markers under certain conditions, and provide visual and audible alerts when lane departure is detected. It is not a collision-avoidance system or a substitute for safe and attentive driving. Effectiveness is dependent on many factors including road, weather and vehicle conditions. See Owner's Manual for additional limitations and details. 20. Dynamic Radar Cruise Control is designed to assist the driver and is not a substitute for safe and attentive driving practices. System effectiveness is dependent on many factors including road, weather and traffic conditions. See Owner's Manual for additional limitations and details. 21. The Smart Key System may interfere with some pacemakers or cardiac defibrillators. If you have one of these medical devices, please talk to your doctor to see if you should deactivate this system. 22. HomeLink® and the HomeLink® house icon are registered trademarks of Gentex Corporation. 23. Qi wireless charging may not be compatible with all mobile phones, MP3/WMA players and like models. When using the wireless charging system, avoid placing metal objects between the wireless charger and the mobile device when charging is active. Doing so may cause metal objects to become hot and could cause burns. 24. 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. 25. 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. 26. 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 quarantee instant stopping. See Owner's Manual for details. 27. All the airbag systems 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. 28. 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. 29. 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. 30. Roadside Assistance coverage is 2 years unlimited mileage. Does not include parts and fluids, except emergency fuel delivery. See Toyota Dealer for details and exclusions. Valid only in the continental U.S. and Alaska. 31. The Pre-Collision System is designed to help reduce the crash speed and damage in certain frontal collisions only. It is not a collision-avoidance system and is not a substitute for safe and attentive driving. System effectiveness is dependent on many factors including road, weather and vehicle conditions. See Owner's Manual for additional limitations and details. 32. Do not rely exclusively on the Rear Cross-Traffic Alert system. Always look over your shoulder and use your mirrors to confirm rear clearance. There are limitations to the function, detection and range of the system. See Owner's Manual for additional limitations and details. 33. 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. 34. 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. 35. Fueling time varies with hydrogen fueling pressure and ambient temperature. 36. Cargo and load capacity limited by weight and distribution. 37. 2018 EPA-estimated 67 city/67 highway/67 combined MPGe for Mirai and 312-mile driving range. Actual mileage will vary. 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. 38. 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. 39. 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. 40. 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 dealers in the continental United States. See an Authorized Mirai Fuel Cell dealer for details and exclusions. 41. The seven complimentary days per year will expire after each year, and any unused days will not carry over. 42. 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 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. 43. Extra-cost color. 44. Dynamic voice recognition capabilities vary by head unit.