Welcome
## Vehicle Grades

### 3.0 Premium
- 8.8 in. display with navigation
- Supra Connect, Apple CarPlay, 12-speaker JBL sound system, Bluetooth connectivity, iPod compatibility
- Full leather interior with heated seats
- $53,990 ($930 DPH)

### 3.0
- 6.5 in. display
- Bluetooth connectivity, iPod compatibility
- Alcantara interior
- $49,990 MSRP ($930 DPH)
Launch Edition

- Starting at $55,250
- Available in Absolute Zero White, Nocturnal Black and Renaissance Red 2.0
- Carbon fiber interior accents
- Carbon fiber dash insert with Akio Toyoda’s signature
Features

- 3.0L, 335-hp turbo inline six-cylinder producing 365 ft-lb of torque
- 0-60 mph in 4.1 seconds, making the Supra the quickest Toyota production vehicle to date.
- Curb weight is 3,397 lbs. with a 50:50 front/rear weight distribution
- 8-speed automatic transmission with paddle shifters
- 19” split spoke wheels
- Safety features include Pre-Collision Warning, Pedestrian Detection with automatic emergency braking, Lane Departure Warning with steering assist, Road Sign Assist, and Automatic High Beams
- Driver Assist Package includes full speed Dynamic Radar Cruise Control, Blind Spot Monitor, Rear Cross Traffic Alert and Parking Sonar.
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<td>Instrument cluster (KOMBI)</td>
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## Interior Equipment

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<td>Button for auto start/stop function</td>
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<td>6</td>
<td>SPORT button</td>
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<td>Parking assistance button</td>
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<td>DSC button (Dynamic Stability Control)</td>
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<td>Intelligent Safety button</td>
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<td>Cupholder</td>
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GR Supra Multimedia – 8.8” Touch Screen

8.8” Touch-screen with Supra Command featuring:
- Touchpad control with navigation,
- AM/FM
- Digital audio
- SiriusXM®
- Wireless Apple CarPlay® compatible
- Voice recognition
- USB/Bluetooth® wireless connectivity

Identified by the 7-button Supra Command Controller
Supra Connect Mobile App

Toyota Supra Connect:
(Available with the 8.8” Touch Screen)
• Automatic Emergency Calling
• Battery Guard
• Remote-Control Lock/Ventilation
• Real-Time Traffic Information
• Map Updates
• Concierge Service
• Toyota Supra Online

More info at www.Supraconnect.com
Navigation System Components (With 8.8” Touch Screen)

Central Information Display (CID)

Supra Command Controller (CON)

Head Unit (HU-H)

Crash Safety Module (ACSM)

Telematic Communication Box (TCB)

GPS Antenna
Parking, Residing & Driving Modes

Parking

Residing

Driving
Logical Terminal Changes
Energy Management

Index Explanation
A  Advanced Power Management
B  Intelligent battery sensor
C  Combustion engine
D  Alternator
E  Electrical consumers

1  Battery data
2  Idle speed increase
3  Charging voltage setpoint value
4  Consumption reduction
Intelligent Battery Sensor

- Voltage
- Temperature
- Current
Subnetwork Operation – Residing Mode
Supra Diagnostic Hardware

Minimum hardware requirements are listed in Toyota ISTA Installation Instructions.

High Performance Computer
ISTA Diagnostic Cable (w/Ethernet connector)

Techstream ADVi

Software Downloads

Here you will find quick access to additional software downloads required for RAV4 EV.

Note: Administrator level rights are required to complete the installs.

RAV4 EV

RAV4 EV 1.1.42 Diagnostic Software
Use this software for diagnostics and vehicle firmware updates for the RAV4 EV powertrain.
- RAV4 EV Diagnostic Software User Manual > Updated: 08/28/2018
- RAV4 EV Firmware

NOTICE: In order to maintain full functionality of the RAV4 EV diagnostic software, you must have the latest patch below. This process only needs to be done one time.
- Patch Installation Instructions
- RAV4 EV Patch Download (TESS)

SUPRA

Supra Diagnostic Software Toyota ISTA V4.17.31.18228 > Updated: 07/23/2019
Use this Software to diagnose and reprogram the Supra. The Supra Diagnostic Cable is not used, ECU damage may occur.

NOTICE: Must have Techstream Version 14.10.034 or newer installed and registered.
- Toyota ISTA Installation Instructions > Updated: 07/09/2019
Integrated Service Technical Application (ISTA)

New scan tool platform
- Guided diagnostics
- EWDs
Network Bus Systems

- PT-CAN
- K-CAN
- D-CAN
- Local CAN
- FlexRay
- MOST
- Ethernet
- LIN bus
- APIX

(New to Toyota)
FlexRay

- Data transfer speed: 10 Mbps
- Twisted Pair wiring
- Active point-to-point bus structure
- If data is no longer sent on one of the two lines, there is no communication on this bus
Media Oriented System Transport (MOST)

- Data transfer speed: 22.5 Mbps
- Distinctive feature: Ring structure

Note: The MOST network on the Supra uses fiber optic cable instead of copper wire.
OABR Ethernet

- Data transfer speed: 100 Mbps
- Unshielded twisted pair wiring
- Wake-up line for ECUs that are only connected to Ethernet
Standard ADAS Features

• Pre-Collision System (PCS) with pedestrian detection
• Lane Departure Warning (LDW) with steering assist (SA)
• Automatic High Beams (AHB)
• Road Sign Assist (RSA)

Only the front camera is used for the standard safety suite
Optional ADAS Features

- Full speed Dynamic Radar Cruise Control (DRCC)
- Blind Spot Monitor (BSM)
- Rear Cross Traffic Alert (RCTA)
- Parking sensors with emergency braking function

Vehicles equipped with the optional Driver Assist Package include:

- Ultrasonic Sensor
- Front Camera
- Front Radar
- Blind Spot Monitor
ADAS Sensor Overview

- Front Radar Sensor
- Front Camera
- Rear Side Radar Sensor
- Front & Rear Ultrasonic Sensor
# B58 Specifications

<table>
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<tr>
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<tbody>
<tr>
<td>Cylinder/Design</td>
<td>6 cylinders/in-line</td>
</tr>
<tr>
<td>Firing order</td>
<td>1-5-3-6-2-4</td>
</tr>
<tr>
<td>Displacement</td>
<td>2998 cc (3.0 liter)</td>
</tr>
<tr>
<td>Bore/Stroke</td>
<td>85mm x 94.6mm</td>
</tr>
<tr>
<td>Compression ratio</td>
<td>11:1</td>
</tr>
<tr>
<td>Valves per cylinder</td>
<td>4</td>
</tr>
<tr>
<td>Power at engine speed</td>
<td>335 hp @ 5,000-6,000 RPM</td>
</tr>
<tr>
<td>Torque at speed</td>
<td>365 lb. ft. @ 1,600-4,500 RPM</td>
</tr>
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Engine Basic Concepts

Engine modular concept

TVDI basic technology
- Turbocharging
- VALVETRONIC
- Direct injection

Technical properties
- Heat management module (split cooling)
- Exhaust manifold integrated in cylinder head
- Characteristic map-controlled oil pump
- LDS-coated cylinder barrels

Modular Concept
- Increased Customer Satisfaction
- More Flexibility
- Reduced Cost
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Twin-Scroll Turbocharger

Twin-Scroll technology combines optimal low-end response with excellent top-end power increase.

The larger channel directs one exhaust stream to the outer edge of the turbine blades. – *This causes the turbocharger to spin faster.*

The smaller channel directs the other exhaust stream to the inner surfaces of the turbine blades. – *This improves turbocharger response.*

* Not the turbocharger from the actual vehicle
Valvetronic

Click here for Valvetronic animation
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