ADAS MAP - Training Shop
7322 Newman Blvd
Dexter, MI 48130

ADAS MAP - Estimate Analysis

Based on Repair Lines

RO Number: **Inspection Number:** 1719619

Year: 2024
Make: Toyota
Model: Prius Prime SE
VIN: JTDACACU2R3023333

Insurance: EXAMPLE INSURANCE COMPANY
Last Updated: 07/02/2026, 07:15 AM
Estimate Source: CCC
Estimator: Training, Opus

IMPORTANT! Please validate vehicle is equipped with listed ADAS system components by performing a visual inspection!

Identified ADAS Related Services to be Performed

Based on the estimate, the following calibrations/initializations have been identified:

- ADAS L3: Static Calibration - A of Millimeter Wave Radar Sensor
  Estimate Lines 2, 3, 32
- ADAS L3: Static Calibration - A of Blind Spot Sensors - Front
  Estimate Lines 3, 20, 30, 31
- Seat Related Calibration of Occupant Classification System ⚠
  Estimate Lines 2, 3, 9, 10, 52, 53, 55, 59, 60, 61, 111, 112, 120, 123, 129, 131
- ADAS L1: Initialization / Programming of Parking Assist Distance Sensors
  Estimate Lines 2, 3, 5, 7, 9, 10, 23, 24, 25, 26, 27, 28
- Seat Belt Inspection of Seat Belt
  Estimate Lines 52, 53, 55, 59, 60, 61, 111, 112, 120, 123, 129, 131

Scanning Requirements

PRE AND POST SCAN REQUIRED
https://rts.i-car.com/collision-repair-news/crn-429.html

Per the July 2021 Toyota CRIB 191: "Repairers should perform a "Health Check" diagnostic scan since a capable scan tool is the only way to identify and document DTCs. It is necessary for repairers perform a "Health Check" diagnostic scan before and after every repair if a vehicle has sustained damage as a result of a collision." In addition: "Toyota, Lexus, and Scion vehicle electrical systems are designed to control and communicate with engine, drivetrain, body electrial, navigation, audio, handling and safety systems." Components from these various systems can be damaged in a collision and may not necessarily cause a MIL. The Toyota CRIB also states that the pre-repair system scan will help to identify DTCs that will need to be taken care of to help ensure the systems operate correctly.

- **Pre-Scan:** *OPUS recommends a pre-scan on this vehicle. To determine what type of scan should be performed, refer to service information and certification requirements.*
- **Post-Scan:** *OPUS recommends utilizing OEM software to perform a post-scan on this vehicle.*

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Required Calibration Details

Adaptive Cruise Control

Component: Millimeter Wave Radar Sensor

Location: Front Bumper

Calibration: ADAS L3: Static Calibration - A

Trigger: Estimate Lines 2, 3, 32

OE Service Information:

Calibrate the front Millimeter Wave Radar Sensor if there is damage to the front bumper cover, it has been deformed due to an accident, is loosened, removed, its original installation has been altered, or the radar sensor, radar bracket has been removed or replaced. Inspect the radar sensor housing for signs of impact and replace the sensor if marks are found. Remove excess weight from the vehicle and set tire pressures. ADAS targets are required for system calibration.

OE Reference:

https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719619&acmv=4445&t=1&m=Prius Prime SE

Collision Warning / Avoidance Systems

Component: Blind Spot Sensors - Front

Location: Front Bumper

Calibration: ADAS L3: Static Calibration - A

Trigger: Estimate Lines 3, 20, 30, 31

OE Service Information:

Calibration of the front side radar sensors is required under the following conditions:

- Front bumper cover is removed or replaced
- Repairs are performed near the blind spot sensor mounting area
- A front side radar sensor is replaced
- The sensor mounting bracket is damaged
- The bumper cover is damaged or deformed due to an accident or contact
- Repairs occur around the headlights , including the headlights themselves

ADAS calibration targets are required.
Driving adjustment is also available but prohibited if repairs were done to the radar transmission areas of the front bumper cover. Refer to before starting driving adjustment document for correct vehicle conditions and environment.
If the front side radar sensor is dropped, replace it with a new one.
The front side radar sensor needs an ECU configuration if replaced.
Important Note Radar Transmission Area Repair:
If the bumper cover is repaired in the radar transmission zone:

- Measure reflection power with the bumper installed and removed
- If the reading is outside the specified range , then:
- Correct the bumper repair (e.g., remove excess material), or
- Replace the bumper cover , or
- Replace the radar sensor(s)

Use OEM bumper covers if replacement is needed

OE Reference:

https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719619&acmv=4455&t=1&m=Prius Prime SE

Occupant Detection

Component: Occupant Classification System ⚠

Location: Passenger Seat

Calibration: Seat Related Calibration

Trigger: Estimate Lines 2, 3, 9, 10, 52, 53, 55, 59, 60, 61, 111, 112, 120, 123, 129, 131

OE Service Information:

Important! Check for DTC before performing calibration!

Toyota service information states to perform a Zero Point Calibration if:

- Occupant detection ECU is replaced.
- The front passenger seat is removed and reinstalled.
- The front passenger seat bolts are removed and reinstalled.
- The passenger airbag ON/OFF indicator stays on when empty.
- Occupant classification sensor collision detection DTC is present due to an accident/collision.

No seat weights are required for calibration.

OE Reference:

https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719619&acmv=4391&t=1&m=Prius Prime SE

Parking Assist Systems

Component: Parking Assist Distance Sensors

Location: Front Bumper and Rear Bumper

Calibration: ADAS L1: Initialization / Programming

Trigger: Estimate Lines 2, 3, 5, 7, 9, 10, 23, 24, 25, 26, 27, 28

OE Service Information:

Calibrate the Intelligent Clearance Sonar System when:

- park assist sensors are removed
- front or rear bumper is removed or replaced
- front grille is removed or replaced
- steering sensor replacement

ADAS targets are not required for system calibration special tools are needed to check sensor angles.

OE Reference:

https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719619&acmv=4469&t=1&m=Prius Prime SE

Seat Belt Inspection

Component: Seat Belt

Location: Interior

Calibration: Seat Belt Inspection

Trigger: Estimate Lines 52, 53, 55, 59, 60, 61, 111, 112, 120, 123, 129, 131

OE Service Information:

Seatbelts must be inspected after a collision to ensure passenger safety even if the airbags have not deployed.

OE Reference:

https://wonderful-sand-079b9b00f.4.azurestaticapps.net/links?ai=1719619&acmv=4434&t=1&m=Prius Prime SE

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Identified ADAS Systems on this Vehicle:

System	Component	Location
Adaptive Cruise Control	Millimeter Wave Radar Sensor	Front Bumper
Backup Cameras	Rear Television Camera	Trunk Lid
Blind Spot Monitoring Systems	Blind Spot Monitor Sensor - Rear	Rear Quarter Panels
Collision Warning / Avoidance Systems	Blind Spot Sensors - Front	Front Bumper
Lane Departure / Keep Systems	Forward Recognition Camera	Windshield
Occupant Detection	Occupant Classification System	Passenger Seat
Parking Assist Systems	Parking Assist Distance Sensors	Front Bumper and Rear Bumper
Seat Belt Inspection	Seat Belt	Interior
Steering Angle Sensor	Steering Angle Sensor	Column