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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: TELEMATICS: TELEMATICS SYSTEM: SYSTEM DESCRIPTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

SYSTEM DESCRIPTION

OUTLINE

- (a) Remote Connect, which enables the user to check the vehicle status and operate the vehicle from a remote location, is used.
- (b) Remote Connect is available by installing a dedicated smartphone application after entering a service contract*.

*: Remote Connect cannot be operated until the user has entered a service contract.

- (c) Remote Connect services are performed through data communication between mainly a Remote Connect capable DCM (telematics transceiver), the service center and a smartphone with the application installed.

HINT:

- Start and operate the Remote Connect system according to the instructions displayed on the application.
- The contents of Remote Connect may vary depending on the application.
- For details on available Remote Connect, go to <http://www.toyota.com/audio-multimedia/>

FUNCTION OF MAIN COMPONENTS

COMPONENT		FUNCTION
DCM (Telematics Transceiver)		<ul style="list-style-type: none"> • Sends vehicle information signals to the service center. • Receives remote operation signals from the service center and sends them to each ECU.
Telephone and GPS Antenna (for Roof Side)	Telephone Antenna (Main)	Transmits signals from the DCM (telematics transceiver) and receives signals from the service center. (Main)
Telephone and GPS Antenna (for Front Side)	Telephone Antenna (Sub)	Receives signals from the service center. (Connect as sub)
	GPS Antenna	Receives signals from GPS satellites and transmits these signals to the DCM (telematics transceiver).
Certification ECU (Smart key ECU assembly)		Receives the remote hybrid system start and stop signal from the user's smartphone or electrical key transmitter sub-assembly via the DCM (telematics transceiver) and initiates the hybrid system start operation.
Air Conditioning Amplifier Assembly		<ul style="list-style-type: none"> • Sends ambient temperature signals to the DCM (telematics transceiver). • Operates the air conditioning system and/or rear defogger after the hybrid system has been started by remote operation, based on signals from the DCM (telematics transceiver).
Main Body ECU (Multiplex Network Body ECU)		Locks the door when a remote door lock and unlock operation signal is received.

FUNCTION

(a) The main services of Remote Connect are as follows:

CATEGORY	REMOTE SERVICE	FUNCTION
Remote Information	Vehicle Status Report	Allows the vehicle status (doors open/closed, etc.) and vehicle information (distance traveled, etc.) to be checked from a remote location via a smartphone, after the ignition switch has been turned off. By updating the information, the latest vehicle status can be displayed.*1
Remote Notification	Guest Driver Monitor	<ul style="list-style-type: none"> Allows the user to set limits on the vehicle speed, traveling time, etc. when a guest driver (a family member, valet, etc.) is driving the vehicle, via a smartphone. If the guest driver exceeds a user set limit, a notification will be sent to the user so the driving status can be monitored.*2*3
	Vehicle Status Alerts	Sends a notification to the user if certain operations are not performed within a certain amount of time after the ignition switch is turned off, such as locking the doors, closing the windows, etc.*2*4
Remote Operation	Remote Engine Start and Stop	<ul style="list-style-type: none"> Allows the user to start the hybrid system and keep it running for a certain amount of time from a remote location via a smartphone or the electrical key transmitter sub-assembly. Performing the remote stop operation after the remote start operation has been performed changes the vehicle to the ignition switch off condition.*5 Starts the air conditioning system when the hybrid system is remotely started, if the air conditioning system was on when the ignition switch was last turned off. The air conditioning system or rear defogger may be operated by signals from the service center depending on the ambient temperature.
	Remote Door Lock and Unlock	Allows the doors to be locked/unlocked from a remote location via a smartphone.*6

*1: If the latest vehicle information has not been sent from the vehicle due to the condition of the vehicle (such as if the DCM (telematics transceiver) is outside of the cellular telephone reception area), the most recently received information will be displayed.

*2: No notifications will be sent if the latest vehicle information has not been sent from the vehicle due to the condition of the vehicle (such as if the DCM (telematics transceiver) is outside of the cellular telephone reception area). Notifications may be delayed if the smartphone has poor reception.

*3: Only one notification per set condition will be sent during a single trip.

*4: If the smart key system has been canceled, vehicle status alerts notifications will not be sent to the user. If the electrical key transmitter sub-assembly is inside the vehicle or detected as being "inside cabin", vehicle status alerts notifications will not be sent.

*5: If the vehicle cannot receive the remote hybrid system start and stop signal due to the condition of the vehicle (such as if the DCM (telematics transceiver) is outside of the cellular telephone reception area), the hybrid system will not be started remotely. Additionally, the remote hybrid system start and stop operation signal may not be received depending on vehicle conditions.

*6: If the vehicle cannot receive a door lock/unlock signal due to the condition of the vehicle (such as if the DCM (telematics transceiver) is outside of the cellular telephone reception area), the door lock or unlock operation will not be performed. After a door unlock operation is performed, if the doors are not opened within a certain amount of time, the doors will automatically be locked.

OUTLINE

- (a) When a warning is generated due to a vehicle malfunction, the DCM (telematics transceiver) receives warning information from the combination meter assembly and sends a warning notification to the service center. The radio and display receiver assembly also receives the warning information sent by the combination meter assembly and displays a message in the multi-display according to the malfunction.

FUNCTION OF MAIN COMPONENTS

COMPONENT		FUNCTION
DCM (Telematics Transceiver)		Receives warning information from the combination meter assembly and sends it to the service center.
Telephone and GPS Antenna (for Roof Side)	Telephone Antenna (Main)	Transmits signals from the DCM (telematics transceiver) and receives signals from the service center. (Connect as main)
Telephone and GPS Antenna (for Front Side)	Telephone Antenna (Sub)	Receives signals from the service center. (Connect as sub)
	GPS Antenna	Receives signals from GPS satellites and transmits these signals to the DCM (telematics transceiver).
Combination Meter Assembly		Receives malfunction signals from various ECUs and sends warning information to the DCM (telematics transceiver) and radio and display receiver assembly.
Radio and Display Receiver Assembly		Receives warning information sent by the combination meter assembly and displays a message in the multi-display according to the malfunction.

SERVICES FUNCTION

- (a) Destination Assist Connect

- Downloads the user's desired destination information to the navigation function after the call center is told the destination.
- Stores the information downloaded in the navigation function so the information can be reused as required.
- Destination Assist Connect is an in-vehicle service that allows subscribers to request directions to any location. Subscribers are connected to an agent through the Destination Assist button and may ask the agent to download the location of any destination to the navigation function in the vehicle. Agents are able to locate specific Points Of Interest (POI's) by search terms, locate specific addresses, or provide Zagat-rated restaurants as premium POI's. Agents are able to search for POI's using the distance from the vehicle, from a city, or from another POI. The navigation function can store up to 5 POI's at a time, which can be added to the device queue as the first or last entry, or as a replacement for all entries.

