TOYOTA SERVICE BULLETIN

Group: 09 No.: 03 Date: Feb, 19

Model: Camry (ASV40), Aurion (GSV40)

Subject: Corrections to Repair Manual RM02N2EQ

Please ensure these pages are distributed to all relevant staff for their information; and a copy made available for future reference, with the above repair manual.

Section	Title	Paragraph
PARK ASSIST / MONITORING	TOYOTA PARKING ASSIST-SENSOR SYSTEM (for 4 Sensor Type)	PROBLEM SYMPTOMS TABLE (2006/10 - 2009/06)
		PROBLEM SYMPTOMS TABLE (2009/06 -)
	TOYOTA PARKING ASSIST-SENSOR SYSTEM (for 6 Sensor Type)	PROBLEM SYMPTOMS TABLE (2006/10 - 2009/06)
		PROBLEM SYMPTOMS TABLE (2009/06 -)

The revised pages listed above are attached.

(The corrected parts are indicated by arrows.)

This bulletin does not cause the Flat Rate Manual to be changed

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Standard

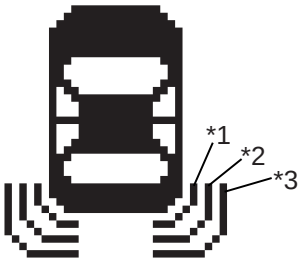
Detection Range	Condition
***1 Close-range detection Within approx. 250 +/- 30 mm (9.84 +/- 1.18 in.)**	**Buzzer: Sounds continuously Number of bars displayed: 1 (Blinking)**
***2 Medium-range detection From approx. 250 +/- 30 to 375 +/- 40 mm (9.84 +/- 1.18 to 14.76 +/- 1.57 in.)**	**Buzzer: Sounds intermittently (ON: 75 ms / OFF: 75 ms) Number of bars displayed: 2 (Illuminated)**
***3 Long-range detection From approx. 375 +/- 40 to 500 +/- 50 mm (14.76 +/- 1.57 to 19.69 +/- 1.97 in.)**	**Buzzer: Sounds intermittently (ON: 150 ms / OFF: 150 ms) Number of bars displayed: 3 (Illuminated)**

HINT:

- Ultrasonic waves are used to measure the detection range; however, the detection range may vary depending on the ambient temperature.
- Refer to the illustration of the display below.

(2) Check the display according to the illustration on the left while the buzzer is sounding.

Multi-information Display:



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PROBLEM SYMPTOMS TABLE

CLEARANCE SONAR SYSTEM

Symptom	Suspected Area	See page
System does not operate at all (self-check function does not operate)	1. Clearance warning ECU power source circuit	
	2. Clearance sonar main switch circuit	
	3. Clearance warning ECU assembly	-
Ultrasonic sensor (clearance sonar) does not operate (self-check function does not operate) [Corrected]	1. Front clearance sonar sensor LH circuit	
	2. Front clearance sonar sensor RH circuit	
	3. Rear clearance sonar sensor LH circuit	
	4. Rear clearance sonar sensor RH circuit	
	5. Clearance warning ECU assembly	-
Sonar detection operation is normal but buzzer does not sound	1. Clearance warning buzzer circuit	
	2. Clearance warning ECU assembly	-
Detection operation is normal but sonar displays do not appear on multi-information display	1. Vehicle wire harness or connector (CAN communication)	
	2. Clearance warning ECU assembly	-
	3. Combination meter assembly	-
Warning message is displayed on multi-information display and any of the clearance sonar indicators is blinking	1. Front clearance sonar sensor circuit	
	2. Rear clearance sonar sensor circuit	
	3. Clearance warning ECU assembly	-

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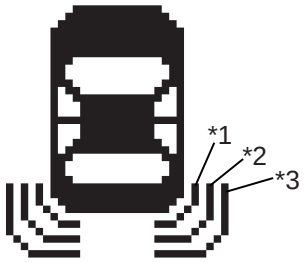
Detection Range	Condition
***1 Close-range detection Within approx. 250 +/- 30 mm (9.84 +/- 1.18 in.)**	**Buzzer: Sounds continuously Number of bars displayed: 1 (Blinking)**
***2 Medium-range detection From approx. 250 +/- 30 to 375 +/- 40 mm (9.84 +/- 1.18 to 14.76 +/- 1.57 in.)**	**Buzzer: Sounds intermittently (ON: 75 ms / OFF: 75 ms) Number of bars displayed: 2 (Illuminated)**
***3 Long-range detection From approx. 375 +/- 40 to 500 +/- 50 mm (14.76 +/- 1.57 to 19.69 +/- 1.97 in.)**	**Buzzer: Sounds intermittently (ON: 150 ms / OFF: 150 ms) Number of bars displayed: 3 (Illuminated)**

HINT:

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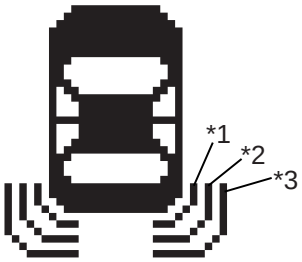
PROBLEM SYMPTOMS TABLE

TOYOTA PARKING ASSIST-SENSOR SYSTEM

Symptom	Suspected Area	See page
System does not operate at all (self-check function does not operate)	1. Clearance warning ECU power source circuit	
	2. Clearance sonar main switch circuit	
	3. Clearance warning ECU assembly	-
Ultrasonic sensor (clearance sonar) does not operate (self-check function does not operate) [Corrected]	1. Front clearance sonar sensor LH circuit	
	2. Front clearance sonar sensor RH circuit	
	3. Rear clearance sonar sensor LH circuit	
	4. Rear clearance sonar sensor RH circuit	
	5. Clearance warning ECU assembly	-
Sonar detection operation is normal but buzzer does not sound	1. Clearance warning buzzer circuit	
	2. Clearance warning ECU assembly	-
Detection operation is normal but sonar displays do not appear on multi-information display	1. Vehicle wire harness or connector (CAN communication)	
	2. Clearance warning ECU assembly	-
	3. Combination meter assembly	-
Warning message is displayed on multi-information display and any of the clearance sonar indicators is blinking	1. Front clearance sonar sensor circuit	
	2. Rear clearance sonar sensor circuit	
	3. Clearance warning ECU assembly	-

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PROBLEM SYMPTOMS TABLE

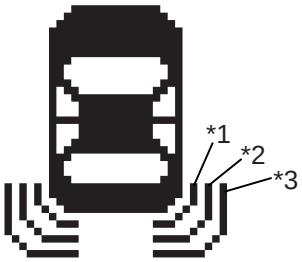
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CLEARANCE SONAR SYSTEM

Symptom	Suspected Area	See page
System does not operate at all (self-check function does not operate)	1. Clearance warning ECU power source circuit	
	2. Clearance sonar main switch circuit	
	3. Clearance warning ECU assembly	-
Ultrasonic sensor (clearance sonar) does not operate (self-check function does not operate)	1. Front clearance sonar sensor LH circuit	
	2. Front clearance sonar sensor RH circuit	
	3. Rear clearance sonar sensor LH circuit	
	4. Rear clearance sonar sensor RH circuit	
	5. Clearance warning ECU assembly	-
Ultrasonic sensor (back sensor) does not operate (self-check function does not operate)	1. Rear clearance sonar sensor circuit	
	2. Clearance warning ECU assembly	-
Sonar detection operation is normal but buzzer does not sound	1. Clearance warning buzzer circuit	
	2. Clearance warning ECU assembly	-
[Corrected] Detection operation is normal but sonar displays do not appear on multi-information display	1. Vehicle wire harness or connector (CAN communication for LHD with Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for LHD without Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for RHD with Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for RHD without Smart Entry and Start System)	
	2. Clearance warning ECU assembly	-
	3. Combination meter assembly	-
Warning message is displayed on multi-information display and any of the clearance sonar indicators are blinking	1. Front clearance sonar sensor circuit	
	2. Rear clearance sonar sensor circuit	
	3. Clearance warning ECU assembly	-
Clearance sonar system does not operate	1. Clearance sonar main switch circuit	
	2. Clearance warning ECU power source circuit	
	3. Vehicle wire harness or connector (CAN communication for LHD with Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for LHD without Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for RHD with Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for RHD without Smart Entry and Start System)	
	4. Clearance warning ECU assembly	-

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TOYOTA PARKING ASSIST-SENSOR SYSTEM

Symptom	Suspected Area	See page
System does not operate at all (self-check function does not operate)	1. Clearance warning ECU power source circuit	
	2. Clearance sonar main switch circuit	
	3. Clearance warning ECU assembly	-
Ultrasonic sensor (clearance sonar) does not operate (self-check function does not operate)	1. Front clearance sonar sensor LH circuit	
	2. Front clearance sonar sensor RH circuit	
	3. Rear clearance sonar sensor LH circuit	
	4. Rear clearance sonar sensor RH circuit	
	5. Clearance warning ECU assembly	-
Ultrasonic sensor (back sensor) does not operate (self-check function does not operate)	1. Rear clearance sonar sensor circuit	
	2. Clearance warning ECU assembly	-
Sonar detection operation is normal but buzzer does not sound	1. Clearance warning buzzer circuit	
	2. Clearance warning ECU assembly	-
[Corrected] Detection operation is normal but sonar displays do not appear on multi-information display	1. Vehicle wire harness or connector (CAN communication for LHD with Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for LHD without Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for RHD with Smart Entry and Start System)	
	1. Vehicle wire harness or connector (CAN communication for RHD without Smart Entry and Start System)	
	2. Clearance warning ECU assembly	-
	3. Combination meter assembly	-
Warning message is displayed on multi-information display and any of the clearance sonar indicators are blinking	1. Front clearance sonar sensor circuit	
	2. Rear clearance sonar sensor circuit	
	3. Clearance warning ECU assembly	-
Toyota parking assist-sensor system does not operate	1. Clearance sonar main switch circuit	
	2. Clearance warning ECU power source circuit	
	3. Vehicle wire harness or connector (CAN communication for LHD with Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for LHD without Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for RHD with Smart Entry and Start System)	
	3. Vehicle wire harness or connector (CAN communication for RHD without Smart Entry and Start System)	
	4. Clearance warning ECU assembly	-

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