




# GENUINE CAR-NAVIGATION UNIT


## INSTALLATION INSTRUCTIONS

Thank you for purchasing a genuine Mazda accessory.  
Before removal and installation, be sure to thoroughly read these instructions.  
Please read the contents of this booklet in order to properly install and use the car-navigation unit. Your safety depends on it.  
Keep these instructions with your vehicle records for future reference.

### **WARNING**

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the car-navigation unit. Always read and follow them in order to prevent injuries, accidents, and possible damage to the vehicle.

 **WARNING:** Indicates a situation in which serious injury or death could result if the warning is ignored.

 **CAUTION:** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.

- For areas indicating the tightening torque in this instruction manual, tighten to the specified torque using a torque wrench. For areas in which the tightening torque is indicated inside parentheses ( ), the tightening torque is indicated as a reference value, however tightening using a torque wrench is not necessary.
- Do not modify the car-navigation unit.
- Do not install the car-navigation unit in any way other than described in the following instructions.
- If in any doubt, please ask your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts, and be sure that they are kept free from scratches, grease or other dirt.

**PART NAME: CAR-NAVIGATION UNIT**  
**PART NUMBER: KD81 79 EZX (RHD)**  
**KD51 79 EZXA (LHD)**  
**VEHICLE: MAZDA CX-5**

### **NOTE**

#### **To the dealer**

- Please turn over these instructions to the customer after installation.

#### **To the customer**

- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

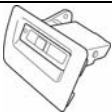
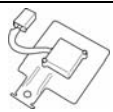



# 1. PARTS

## ▼ PARTS LIST

### NOTE:

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

- KD81 79 EZX (RHD), KD51 79 EZXA (LHD)

| Part  | Part name                | Qty. | Part  | Part name      | Qty. | Part  | Part name               | Qty. |
|---|--------------------------|------|---|----------------|------|---|-------------------------|------|
|  | Car-navigation unit      | 1    |  | GPS Antenna    | 1    |  | Screw (For GPS Antenna) | 1    |
|  | Installation instruction | 1    |  | Owner's manual | 1    |   |                         |      |

# 2. BEFORE INSTALLATION

## ▼ REQUIRED TOOLS

- ☆Phillips screwdriver      ☆Torque wrench      ☆Tape-wrapped flathead screwdriver
- ☆Socket wrench (10mm) or Spanner wrench (10mm)      ☆Clean rag (soft cloth)

### ⚠ WARNING

- To prevent short related accidents while performing procedures, disconnect the negative battery cable before beginning any work.
- When disconnecting the connector, hold the connector itself to remove while pressing the connector lock.
- Do not apply excessive force to the wiring harness as it could cause an open circuit.
- When locking connectors, listen for a click that will indicate they are securely locked.
- Be careful not to pinch the wiring harness. Otherwise, the harness may be broken.

### ⚠ CAUTION

- When removing and installing vehicle parts, make sure they are clean with no scratches. Also, be sure to cover the vehicle body with protectors or mats when removing/installing parts to prevent scratches and dirt.

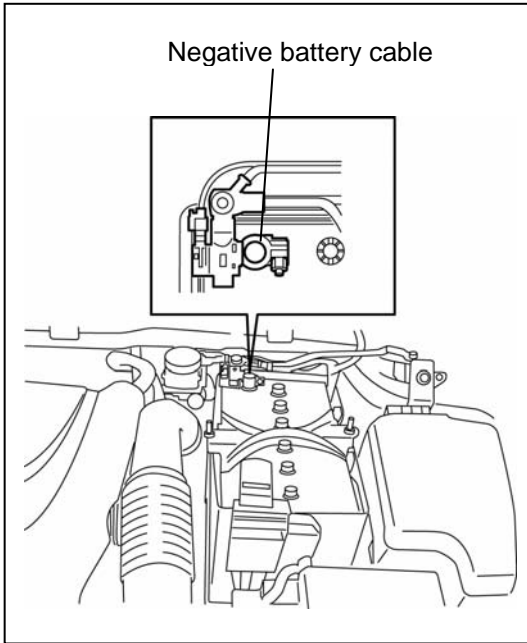
### NOTE:

- Refer to the applicable Workshop Manual for removal and installation of vehicle parts. Not following the procedures for removal/installation in the Workshop Manual could result in an accident or vehicle malfunction.
- When the negative battery cable is removed, the clock, radio, trip meters and other memories will be erased. Before performing work, record the content of the memory.

### 3. VEHICLE PARTS REMOVAL

**NOTE:**

- The following vehicle parts removal procedure is for left-hand drive vehicles. Perform the same procedure for right-hand drive vehicles.



#### Negative battery cable disconnection

1. Set the selector lever to P range.  
(AT vehicles only)

**⚠ WARNING**

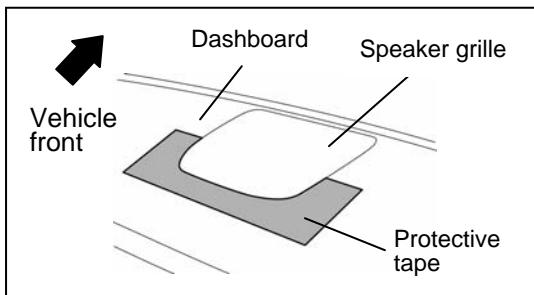
- When removing/installing the parts, park the vehicle on level ground and apply the side brake securely. Be sure to turn the ignition switch off, otherwise the vehicle can move, causing personal injury or vehicle damage.

2. Disconnect the negative battery cable and wrap tape around it to insulate.

**⚠ WARNING**

- When the negative battery cable is connected during operation, it may cause electric shock or other personal injuries. Disconnect the negative battery cable before removal/installation.

### 4. INSTALLATION



#### GPS ANTENNA INSTALLATION

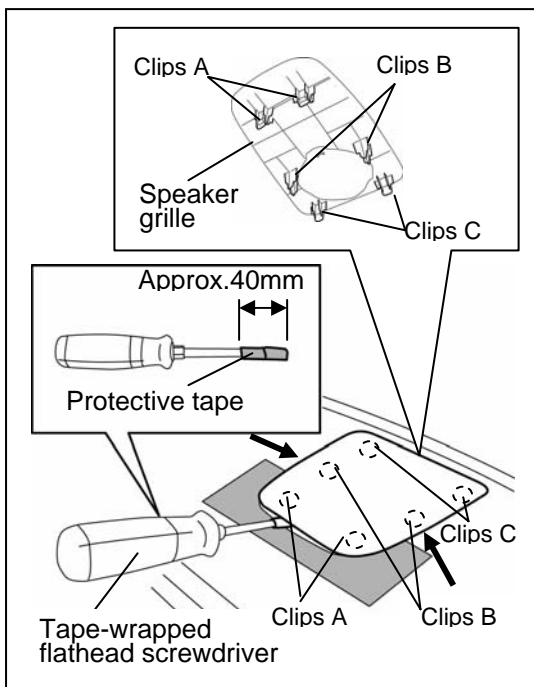
##### Speaker grille Removal

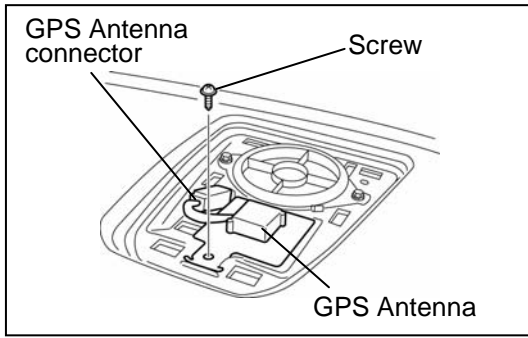
1. Affix protective tape as shown in the figure.

2. Wrap protective tape approx. 40 mm from the end of the flathead screwdriver.
3. Insert the flathead screwdriver wrapped in protective tape as shown in the figure and remove clips A (2) of the speaker grille.

**⚠ CAUTION**

- When removing clips A, insert a flathead screwdriver into the rear end of the flathead screwdriver wrapped in protective tape and press it up. If the flathead screwdriver is pressed up while only shallowly inserted, the speaker grille could deform.





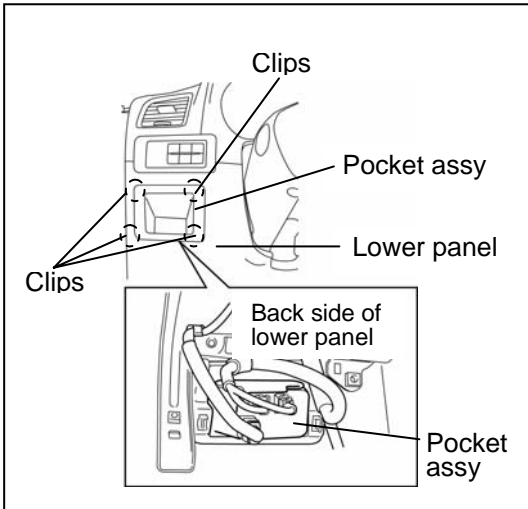
### GPS Antenna Installation

1. Install the GPS antenna and secure it using a screw (1) as shown in the figure.
- Tightening torque: (1.3 –1.5 N·m)**
2. Connect the GPS antenna connector.
  3. Install the speaker grille.
  4. Peel off the protective tape.

## CAR-NAVIGATION UNIT INSTALLATION

### Pocket Assy Removal

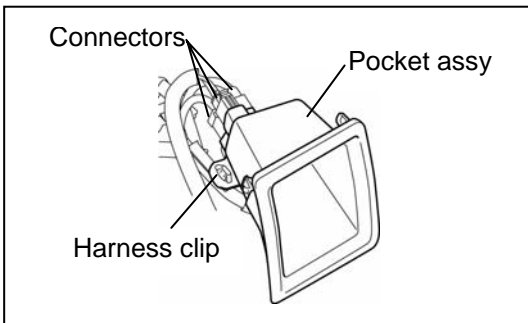
1. Grasp the pocket assy from the back side of the lower panel and press it out to the vehicle rear.



2. Remove the harness clips.
3. Disconnect the connectors.

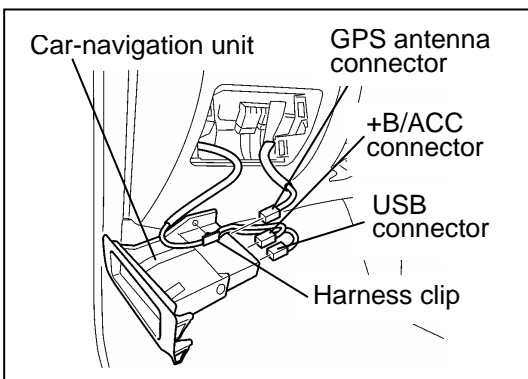
### ⚠ CAUTION

- Be careful not to apply excessive force to the wiring harness when removing the connectors.



### Car-navigation unit Installation

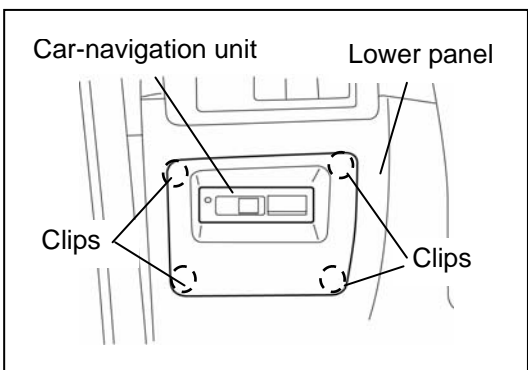
1. Connect the USB, GPS antenna, and +B/ACC connectors to the car-navigation unit.
2. Install the wiring harness clip.



3. Press the clips (4 locations) shown in the figure and install the car-navigation unit to the lower panel.

### ⚠ CAUTION

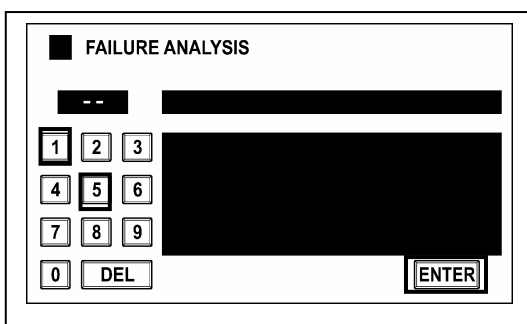
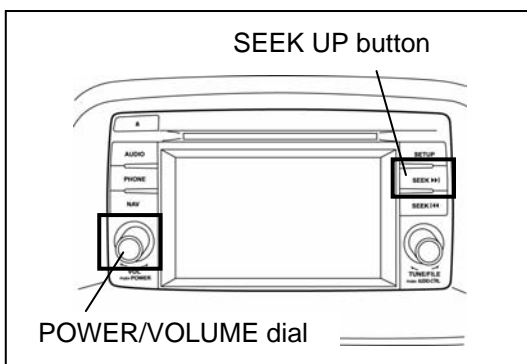
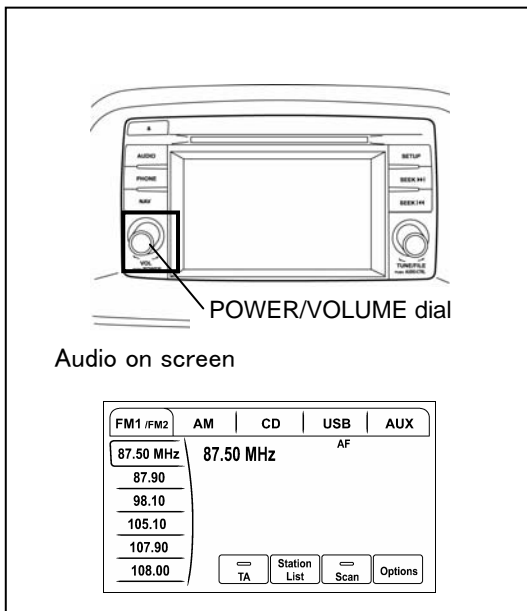
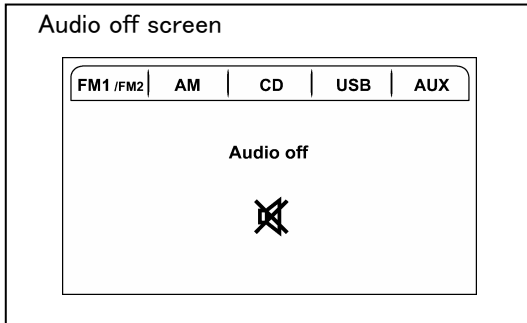
- Be careful not to press the car-navigation unit when installing it.



## 5. OPERATION CHECK

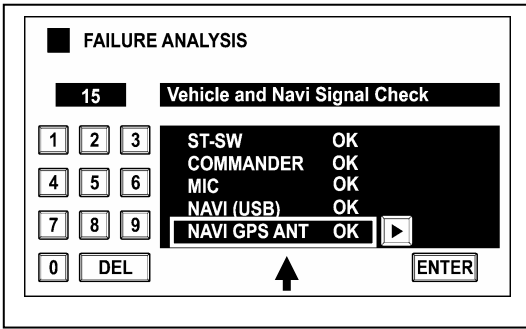
1. Connect the negative battery cable and perform an operation check by referring to the owner's manual applicable to the vehicle.
2. If there is any malfunction, disconnect the negative battery cable and verify that each connector is properly connected and the wiring harnesses are not damaged or pinched, then perform the operation check again. If it does not operate normally, contact the dealer where the unit was purchased.

■ After installing the car-navigation unit, verify the connections of the GPS antenna, +B/ACC, and USB connectors using the following procedure:

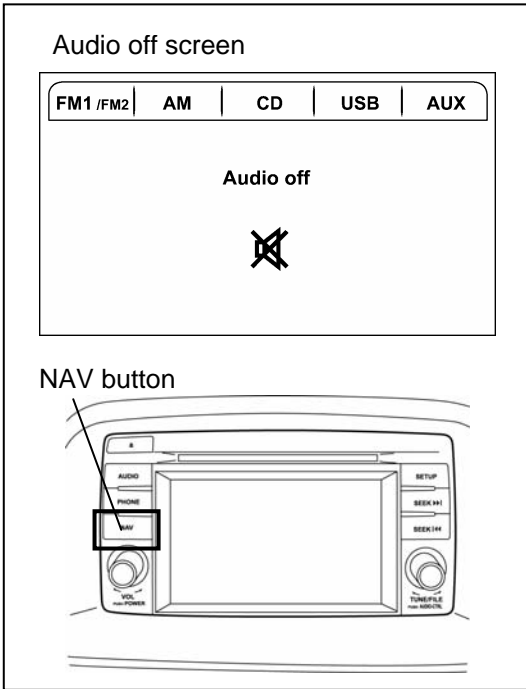


### Connection verification of GPS antenna connector

1. Turn the ignition switch to the ON position.
2. After the opening screen ends, the Audio off screen is displayed.
3. Press the POWER/VOLUME dial to switch to the on screen.
4. Press the POWER/VOLUME dial and SEEK UP button at the same time on the Audio on screen (press POWER/VOLUME dial a little earlier).
5. After switching to the AUDIO system screen, touch the buttons in the order of "1", "5" and "ENTER" on the screen.

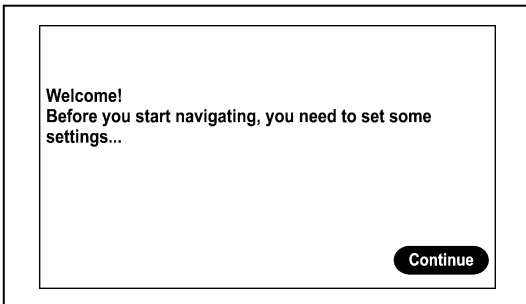


6. After switching to the Vehicle and Navi Signal Check screen, touch "▶" on the screen to switch the display screen to "NAVI GPS ANT". Verify that "NAVI GPS ANT: OK" is displayed. If not OK, verify the connection condition again.
7. Press the POWER/VOLUME dial to switch to the AUDIO screen.
8. Switch the ignition off



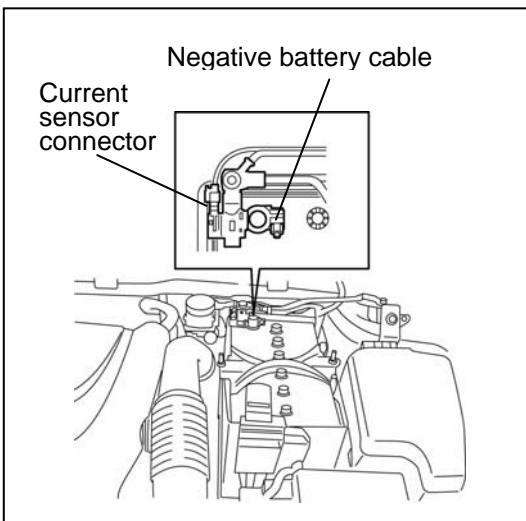
#### Connection verification of +B/ACC connector and USB connector

1. Turn the ignition switch to the ON position.
2. When the Audio off screen is displayed after the opening screen ends, press the NAV button.



3. When the screen in the figure on the left is displayed, the connection verification is completed. If it is not displayed, verify the connection condition again.

- The procedure from this screen is performed by a user. This procedure ends on this screen.



4. Switch the ignition off.
5. Remove the negative battery cable.

- It is necessary to reset after this procedure. It is reset by removing the negative battery cable.

6. Disconnect the current sensor connector.

■ After connecting the negative battery cable, restore the vehicle functions using the following procedure.

**⚠ CAUTION**

**【i-stop system】**

- When the negative battery cable for the main battery is disconnected, specific information stored in the PCM will be erased.

Perform the following procedure to resume operation:

1. Switch the ignition off and disconnect the negative battery terminal and current sensor connector.
2. Wait for 10 s or more after installing the negative battery terminal.

**Tightening torque Nut : 4.0—5.0 N·m**

3. Connect the current sensor connector and wait for 15 s or more (within 1 min) after the ignition is switched ON.
4. Press and hold the i-stop OFF switch until i-stop light changes from illumination (amber) to flashing (green or amber) (for approx. 10 s).
5. When i-stop light changes to flashing (green or amber), the ignition is switched off.
6. Close the hood.
7. Long press the i-stop OFF switch for 3 s within 5 s from switching the ignition ON.
8. Switch the ignition on, and start the engine.
9. Press the i-stop OFF switch to verify that the i-stop indicator light (green) flashes.
  - If the i-stop indicator light (green) does not flash, perform the operation from Step 7 again.
10. Idle the engine until the i-stop indicator light (green) turns off.
  - Perform this procedure without an electrical load.
11. Switch the ignition off, and start the engine.

If the function does not operate even after the ignition switch is turned off, contact an Authorized Mazda Dealer.

**【Power window auto function】**

- If the battery is disconnected, the automatic full open/close feature of the power window is disabled. This feature can be recovered by the following procedure.

\* Perform the procedure for all windows.

1. Turn the ignition switch to the ON position.
2. Hold down the power window switch until the window is fully open.
3. Pull up the power window switch to close the window and continue to pull it up for about two seconds after it is fully closed.
4. If the feature does not function even after the ignition switch is turned off, contact an Authorized Mazda Dealer.

**【TPMS system】**

- If the battery is disconnected, the TPMS (Tire Pressure Monitoring System) initial setting is reset and the system may not operate normally.

This feature can be recovered by the following procedure.

1. Adjust the tire pressure (verify tire pressure using label on body side with driver's door open).
2. Turn the ignition switch to the ON position.
3. Press the TPMS (SET) switch (long-press it until TPMS warning light in meter flashes two times and a beep sounds one time).
4. Switch the ignition off.
5. If the TPMS warning light illuminates or flashes even though the above procedure has been performed, contact an Authorized Mazda Dealer.

# INSTALLATION INSPECTION SHEET

**MAZDA  
CX-5**

# CAR-NAVIGATION UNIT

**KD81 79 EZX (RHD)  
KD51 79 EZXA (LHD)**

## A. Vehicle parts reinstallation

- Install removed vehicle parts in the reverse order of "VEHICLE PARTS REMOVAL".

### ⚠ CAUTION

- Make sure that the vehicle parts are clean before reinstalling. Clean any dirty parts.
- Verify that the connectors are securely connected.

Check

|  |
|--|
|  |
|--|

## B. Inspection after installation

- Inspect the installed / reinstalled parts for the following items.

| Inspection Parts           | Check Item (○) |  |  |                 |
|----------------------------|----------------|--|--|-----------------|
|                            | Clearance/Fit  | Scratches/<br>Dirt/<br>Harness<br>interference | Installation/<br>Tightening/<br>Engagement | Operation check |
| Car-navigation unit        | ○              | ○  | ○  | ○               |
| GPS Antenna                | ○              | ○  | ○  | ○               |
| Speaker grille             | ○              | ○  | ○  |                 |
| Negative battery cable     | ○              | ○  | ○  |                 |
| i-stop system              |                |  |  | ○               |
| Power window auto function |                |  |  | ○               |
| TPMS system                |                |  |  | ○               |

○ : Applicable

## C. Important check items

- Inspect the installed / reinstalled parts for the following items.

| Section                                    | Parts Name | Tightening torque | Check |
|--|------------|-------------------|-------|
| Installation of the negative battery cable | Nut        | 4.0—5.0 N·m       |       |

Installation inspection sheet for car-navigation unit.

|                          |  |         |  |                  |
|--------------------------|--|---------|--|------------------|
| Date _____, _____, _____ |  |         |  |                  |
| Vehicle. _____           |  |         |  |                  |
| VIN. _____               |  |         |  |                  |
| Approved                 |  | Checked |  | Person in charge |

The term of validity for this sheet: 3 years.



# KONTROLLBLATT

**MAZDA  
CX-5**

**NAVIGATIONSGERÄT**

**KD81 79 EZX (Rechtslenker)  
KD51 79 EZXA (Linkslenker)**

## A. Installation der ausgebauten Teile

- Installieren Sie die ausgebauten Fahrzeugteile in der umgekehrten Reihenfolge von "ÄUSBAU VON FAHRZEUGTEILEN".

### ⚠ VORSICHT

- Kontrollieren vor der Installation, ob alle Teile sauber sind. Reinigen Sie verschmutzte Teile.
- Kontrollieren Sie, ob alle Stecker richtig angeschlossen sind.

Kontrolle

|  |
|--|
|  |
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## B. Kontrolle nach der Installation

- Kontrollieren Sie die installierten bzw. wieder installierten Teile wie folgt.

| Kontrollierender Teil                       | Kontrolle (○)    |   |  |                 |
|---|------------------|---|--|-----------------|
|   | Abstand/Festsitz | Kratzer/<br>Schmutz/<br>Berührung des<br>Kabelbaums | Installation/<br>Festsitz/<br>Eingriff | Betriebsprüfung |
| Navigationsgerät                            | ○                | ○   | ○                                      | ○               |
| GPS-Antenne                                 | ○                | ○   | ○                                      | ○               |
| Lautsprechergrill                           | ○                | ○   | ○                                      |                 |
| Negatives Batteriekabel                     | ○                | ○   | ○                                      |                 |
| i-stop System                               |                  |   |  | ○               |
| Autofunktion des elektrischen Fensterhebers |                  |   |  | ○               |
| TPMS-System                                 |                  |   |  | ○               |

○ : Anwendbar

## C. Wichtige Prüfpunkte

- Kontrollieren Sie die installierten bzw. wieder installierten Teile wie folgt.

| Teil                                      | Bezeichnung | Anzugsdrehmoment | Kontrolle |
|---|-------------|------------------|-----------|
| Installation des negativen Batteriekabels | Mutter      | 4,0–5,0 N·m      |           |

Kontrollblatt für Navigationsgerät.

|                            |  |         |  |           |
|----------------------------|--|---------|--|-----------|
| Datum , ,                  |  |         |  |           |
| Fahrzeug.                  |  |         |  |           |
| VIN-Identifikationsnummer. |  |         |  |           |
| Genehmigt                  |  | Geprüft |  | Zuständig |

Gültigkeitsdauer dieses Kontrollblatts: 3 Jahre.