

## CS9100 Installation in Toyota & Lexus Cars (Produced Before 2005) Using the NAV2NAV Adaptor

Disconnect the negative terminal of the accumulator before installing the CS9100 to avoid errors in the ECU. In order to install CS9100, remove the original navigation system.

Remove the original navigation system (Fig. 1, 2, 3). You can find it at one of the following locations:

- Under the front passenger seat;
- In the glove compartment (top right corner);
- In the trunk (e.g. in the Lexus RX series);
- Below the multi-display.

In some cases the original navigation system will differ from the illustrations below. If the original navigation system connectors don't fit, consult the service manual for your car and connect the device according to the pin layout, or contact **Car Solutions** Technical Support.



Before you connect the device, be sure to activate the appropriate protocol of the **NAV2NAV** adapter using the **DIP** switches (**Fig. 4, 5**).



Figure 4

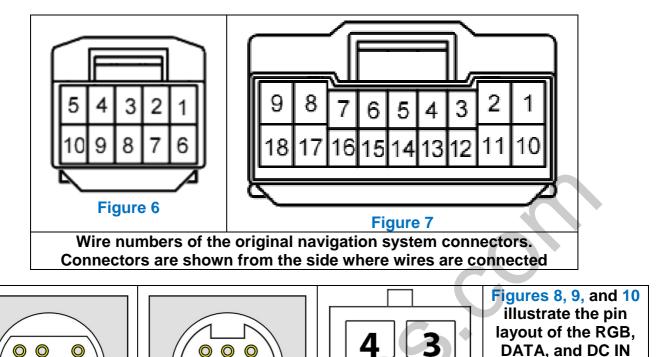
Figure 5

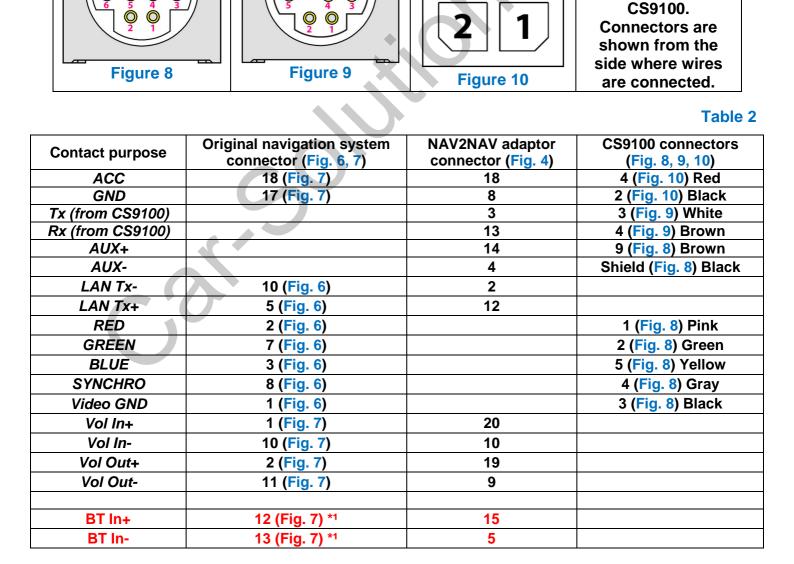
Set the **DIP** switches on your **NAV2NAV** adapter according to the following table 1.

	Table 1								
DIP Switch #	1	2	3	4	5	6	7	8	
Switch Setting	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	

connectors of

Connect the **CS9100** navigation system to the **NAV2NAV** adapter (Fig. 4) and to the original navigation system connectors' wiring\* (Fig. 6, 7) according to Table 2 or the connection diagram Fig. 11).





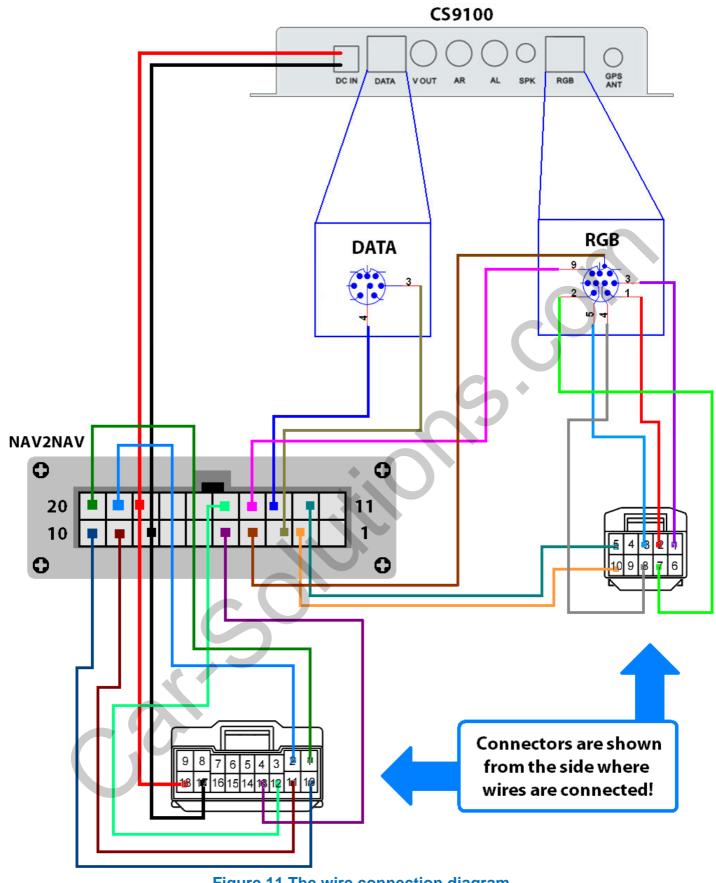


Figure 11 The wire connection diagram

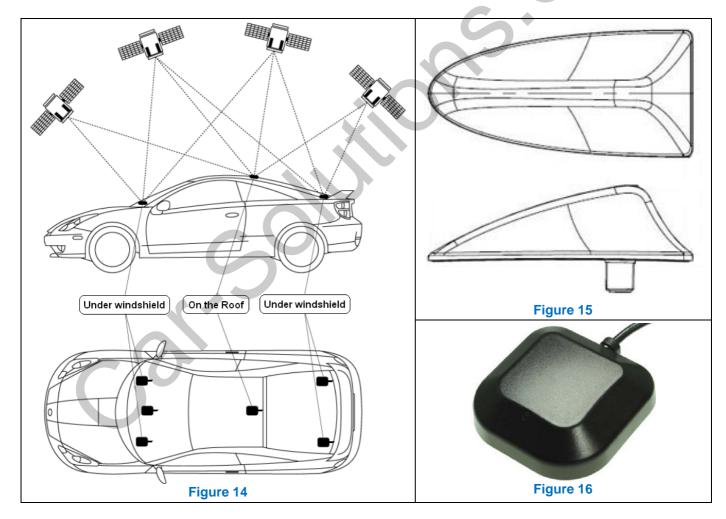
The wire coloring on the diagram is used for illustration purpose only, and does not match the actual coloring of CS9100 wires.

## How to install the GPS antenna

Removal of the original navigation system allows you to connect **CS9100** to the car's original GPS antenna. The best way to do this is to desolder the plastic socket (fig. 12) from the original wiring and solder a 10cm coaxial cable fitted with a SMA Male connector (fig. 13) with the wiring. The **CS9100** navigation system is fully compatible with the original antenna in all specifications.



Rear spoiler is the best place for aftermarket GPS antenna installation (fig. 14) (cable length allows for it). If there is no rear spoiler in your car you can use a fin-shaped antenna (not included in the package) (fig. 15). You can also install antenna under the windshield, on or under the plastic panel (fig. 14)



When installing GPS antenna in a concealed position, make sure there is no metal above it.

Install GPS antenna with the magnetic base down (fig. 16)

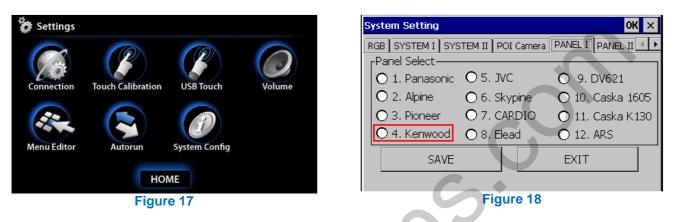
If your car windshield and windows are made of thermal glass, fix GPS antenna on the roof or rear spoiler.

When you switch on the **CS9100** navigator for the first time, handle all setup procedures using the remote control or a USB mouse.

If **CS9100** doesn't respond to the remote control, you'll need to synchronize them. Press **Return** and **Home** simultaneously and hold for 1s. Synchronous flashing of LEDs indicates a successful synchronization.

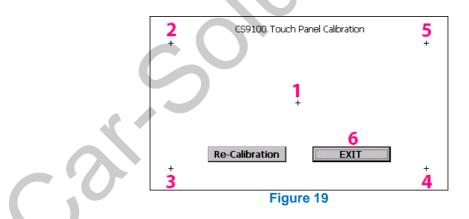
For correct operation of the navigation system, activate an appropriate control protocol:

- 1. Use the remote control to enter **Settings** in the main menu.
- 2. Choose System Config (Fig. 17).
- 3. Go to the **Panel I** tab.
- 4. Choose the Kenwood protocol (Fig. 18).
- 5. Press **SAVE**.



To be able to control the navigation system using the original touch panel without the remote control, you'll need to calibrate it:

- 1. Use the remote control to enter **Settings** in the main menu.
- 2. Choose Calibration.
- 3. Use a stylus from a PDA or any other non-sharp object to click on the marks that appear on the screen. (Fig. 19)
- 4. Press EXIT.



Once you finish all setup procedures you can activate Autorun of the navigational software (or any other software) in the Settings menu (Fig. 17).



\* You don't have to cut off the wire connectors of the original navigation system. It is sufficient to cut into the original wires.

\*1 Connect BT In+, BT In- wires only if the original navigation system supported Bluetooth.

This type of connection works only for cars with an external navigation system.

Navigation systems shown on the Figures 1, 2 and 3 have several modifications, which may differ from the illustrations.

Disconnecting the original navigation system will remove the service calendar from the menu.

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