

COMTEC OBD2-R1

COMTEC OBD2-R1 Radar Detector Connection Adapter User Manual

Model: OBD2-R1

1. INTRODUCTION

The COMTEC OBD2-R1 is an optional connection adapter designed for use with compatible COMTEC radar detectors. This adapter facilitates communication between your vehicle's On-Board Diagnostics II (OBD2) connector and your radar detector, enabling the display of detailed vehicle information directly on the radar detector's screen. It also provides power to the radar detector, freeing up your vehicle's cigarette lighter socket.

2. SAFETY INFORMATION

- Ensure the vehicle is turned off before connecting or disconnecting the adapter.
- Always verify vehicle compatibility with the COMTEC OBD2 adapter compatibility chart on the official COMTEC website before installation. Incorrect installation or use with incompatible vehicles may cause damage.
- If you are unsure about the installation process, consult a qualified professional.
- Do not attempt to modify the adapter or its cables.

3. SETUP AND INSTALLATION

3.1. Locating the OBD2 Connector

The OBD2 connector is typically located under the dashboard on the driver's side, often near the steering column or in the center console. Refer to your vehicle's owner's manual for the exact location.

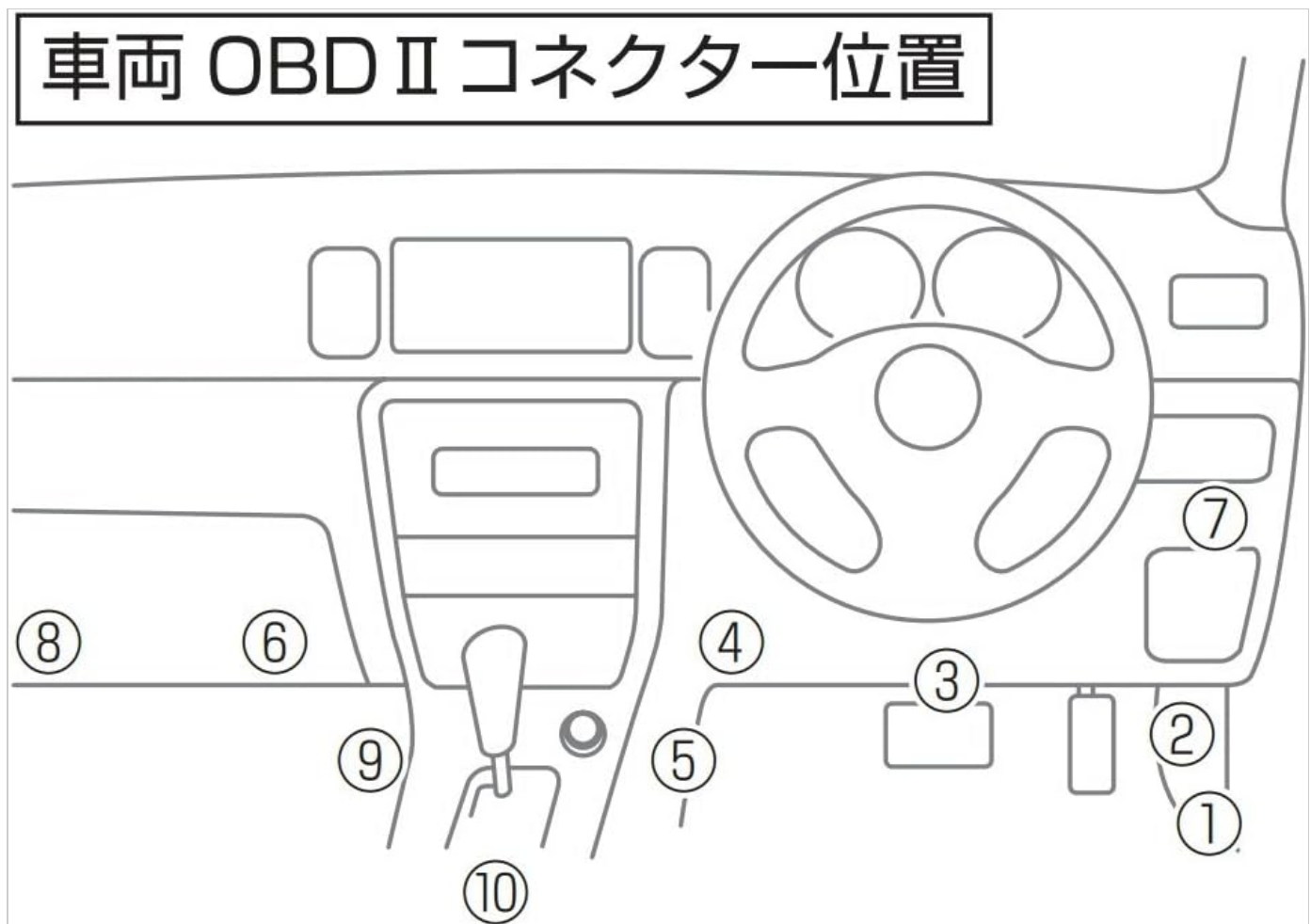


Figure 1: Typical OBD II Connector Locations. This diagram illustrates common positions for the OBD II diagnostic connector within a vehicle's interior. Common placements include areas under the dashboard, near the steering column, or in the center console.

3.2. Connecting the Adapter

1. Ensure your vehicle's ignition is off.
2. Locate the OBD2 diagnostic connector in your vehicle.
3. Connect the COMTEC OBD2-R1 adapter to the vehicle's OBD2 connector. Ensure a secure fit.
4. Connect the other end of the OBD2-R1 adapter cable to your compatible COMTEC radar detector.

3.3. DIP Switch Settings

The OBD2-R1 adapter features DIP switches for specific vehicle compatibility and settings. Refer to the COMTEC official website's OBD2 adapter compatibility chart for the correct DIP switch configuration for your specific vehicle model. Incorrect settings may prevent proper operation or data display.

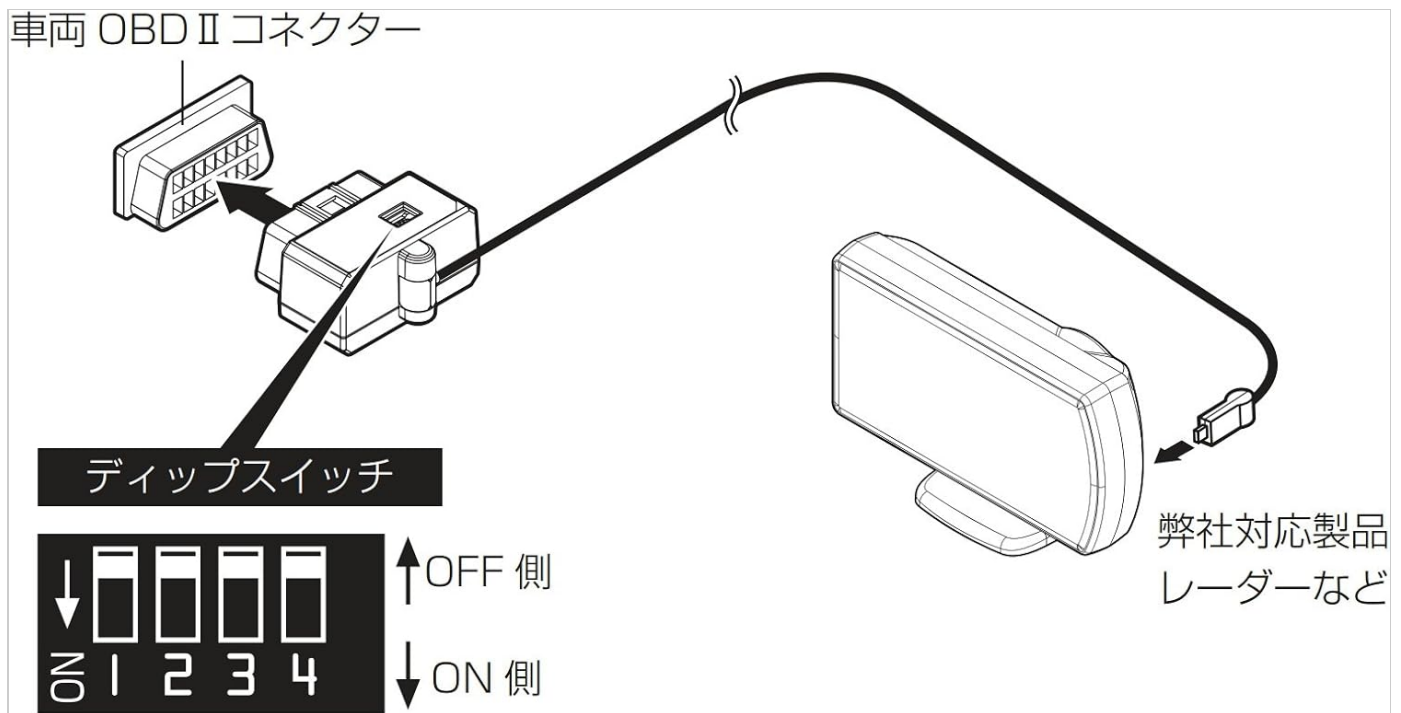


Figure 2: COMTEC OBD2-R1 Adapter Connection and DIP Switches. This image displays the COMTEC OBD2-R1 adapter, highlighting its DIP switches for configuration. It also shows how the adapter connects to the vehicle's OBD II port and then to a compatible COMTEC radar detector, providing both power and data.

Important: The DIP switch settings are crucial for correct functionality. Always consult the latest compatibility chart provided by COMTEC.

4. OPERATING INSTRUCTIONS

Once properly installed and configured, the OBD2-R1 adapter will automatically establish communication between your vehicle and the radar detector when the ignition is turned on. The radar detector will then be able to display various vehicle parameters.

- **Vehicle Information Display:** The adapter allows your radar detector to access and display detailed vehicle information, such as speed, engine RPM, water temperature, and more, depending on your vehicle's capabilities and the radar detector's features.
- **Enhanced Warning Accuracy:** In environments where GPS signals may be weak or unavailable (e.g., inside tunnels), the adapter can provide more accurate warnings by utilizing vehicle speed data from the OBD2 system, complementing the radar detector's G-sensor and gyro sensor.
- **Power Supply:** The adapter draws power directly from the OBD2 port, eliminating the need to use the vehicle's cigarette lighter socket for the radar detector.
- **Speed Display without GPS:** Even if GPS signal acquisition is not possible, the adapter enables the radar detector to display vehicle speed based on OBD2 data.

Note: The specific types of information that can be displayed may vary significantly depending on your vehicle's make, model, and year. Not all vehicle parameters may be available for display. Always refer to the COMTEC OBD2 adapter compatibility chart for detailed information regarding your vehicle.

5. MAINTENANCE

- Keep the adapter and its connectors clean and free from dust and moisture.
- Avoid bending or crimping the cables excessively.
- Periodically check the connections to ensure they remain secure.

- No user-serviceable parts are inside the adapter. Do not attempt to open or repair it.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Radar detector does not power on or display vehicle information.	<ul style="list-style-type: none">◦ Loose connection.◦ Incorrect DIP switch settings.◦ Incompatible vehicle.◦ Vehicle ignition not on.◦ Faulty adapter or cable.	<ul style="list-style-type: none">◦ Ensure all connections are secure.◦ Verify DIP switch settings against the COMTEC compatibility chart.◦ Confirm your vehicle is listed as compatible on the COMTEC website.◦ Turn the vehicle ignition to the ACC or ON position.◦ Contact COMTEC support if the issue persists after checking connections and settings.
Some vehicle information is not displayed.	<ul style="list-style-type: none">◦ Vehicle does not support that specific data output via OBD2.◦ Radar detector does not support displaying that specific data.	<ul style="list-style-type: none">◦ This is normal for some vehicles/data types. Refer to the COMTEC compatibility chart for expected data display for your vehicle.◦ Consult your radar detector's manual for supported display parameters.

7. SPECIFICATIONS

Brand	COMTEC
Model Number	OBD2-R1
Manufacturer	COMTEC
Package Dimensions	18.9 x 7.7 x 5.1 cm
Item Weight	136 g
Voltage	12 Volts
Power Source	Corded Electric (via OBD2)
Compatible Devices	COMTEC Radar Detectors (check compatibility chart)

8. WARRANTY AND SUPPORT

This product is covered by the standard manufacturer's warranty provided by COMTEC. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official COMTEC website.

For technical support, troubleshooting assistance, or inquiries regarding product compatibility, please contact COMTEC customer service directly. Contact information can typically be found on the COMTEC official website or in your product packaging.

Official COMTEC Website: www.comtec.co.jp (Please check for the specific OBD2 adapter compatibility chart on their site).

