



CUSTOM-FIT CAR STEREO FOR Ford Explorer 2011-2019



Titan Series

INSTALLATION MANUAL

Important Notice!

Please read this installation guide carefully before disassembling your vehicle or making any wire connections. Installing this product requires technical expertise, experience and specialized tools.

If you are unsure about performing the installation steps outlined in this manual, we strongly recommend having the product professionally installed by an authorized VINLAND dealer.

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Retain Factory Features with Vinland TITAN

Upgrade without compromise—Vinland TITAN series, when paired with the CAN Bus Decoder, preserves select OEM features so you can enjoy modern technology while keeping the conveniences you love.

The table below summarizes the factory features retained after installation.

Note: Listed features are for reference only. Actual retained functions may vary by vehicle model year, trim, and regional specifications.

Features	Retained Status
Vehicle Info (ACC, Backlight Control, Handbrake)	Retained
Door Reminder	Retained
Reverse Auto Camera	Retained
Parking Radar	Retained
Steering Wheel Control	Retained
Climate Display & Control (vehicle dependent)	Retained

Chapter 1 — Tools and Package Contents

Tools needed for installation: Plastic pry tools, Socket wrench (7mm or 10mm, depending on your stereo), Screwdriver, Electrical tape, Scissors, Wrench, Screw Tray/Box, Cable Ties.

Warning:

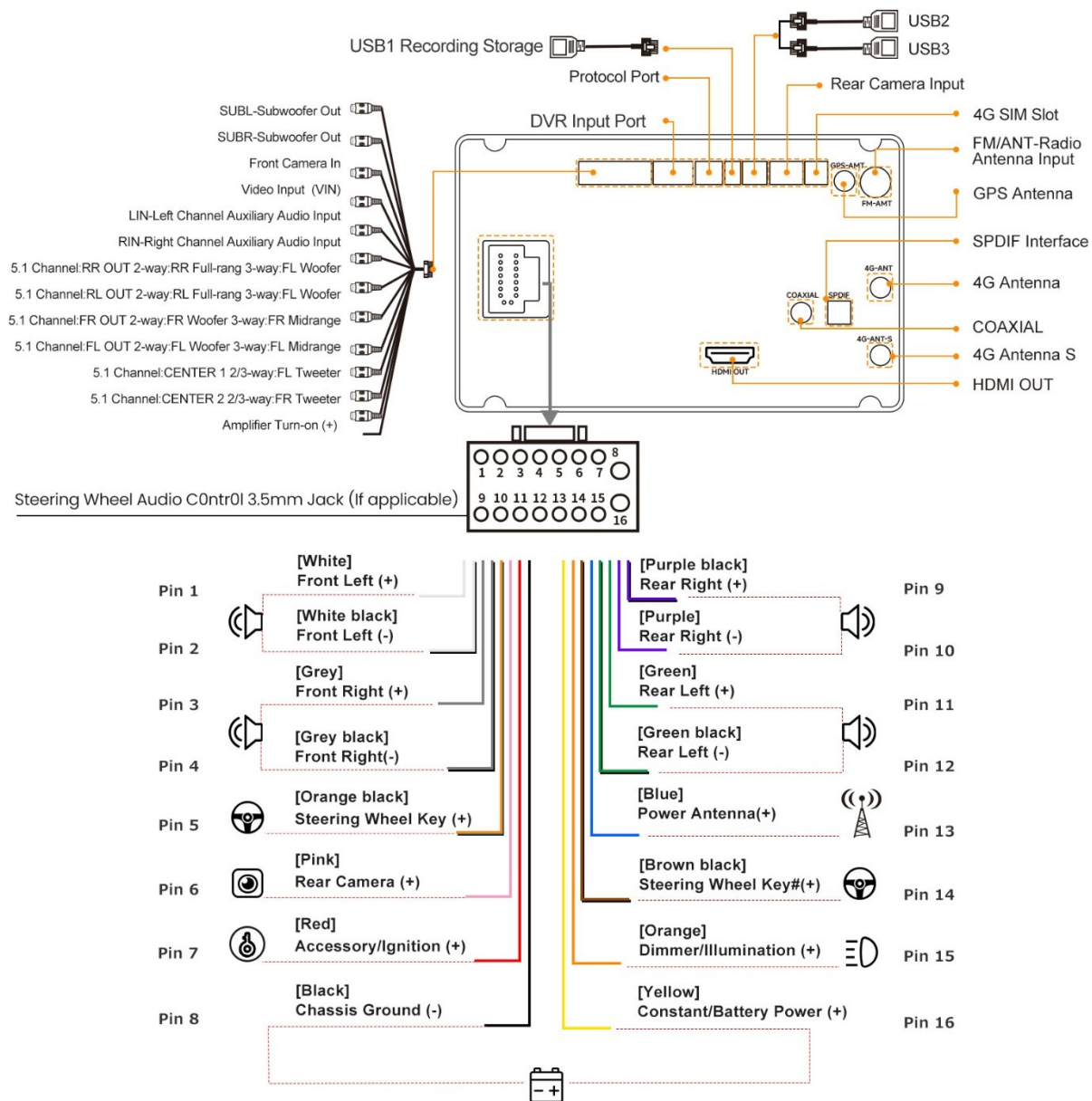
- We regularly release system updates that may introduce new features or changes not covered in this manual. Always refer to the latest release notes for comprehensive details.
- Download the latest Installation Manual from our website or contact customer support for assistance.
- We strive for comprehensive documentation. If you have questions or encounter issues with your car stereo not covered in this manual, please contact customer support.

1. Car Stereo (T14FO2-12)
2. Power Harness
3. AMP Control Connector Cable
4. Radio Antenna Cable
5. USB Adapter
6. 6-pin USB2 Cable
7. 4-pin USB1 Cable
8. 4G SIM Slot Cable
9. RCA Harness
10. 4G Antenna
11. GPS Antenna
12. Rear Camera Input
13. External Microphone
14. 4G Right-Angle Antenna
15. User Manual
16. Warranty Card
17. SIM Card Eject Tool
18. CAN Bus Decoder



Chapter 2 — Car Stereo Rear Ports Reference

The diagram below identifies the rear ports on the Vinland car stereo. Refer to this page when connecting accessories and harnesses during installation.



Chapter 3 — Installation

Dashboard trim and panel layouts may vary by model year. The disassembly steps in this guide are intended as a general reference only. Follow the actual vehicle configuration during removal. If you encounter difficulty during disassembly, seek assistance from a qualified installer or service professional.

IMPORTANT: Before you begin, park the vehicle, turn off the ignition, remove the key, and disconnect power if required.

Do NOT connect or disconnect any wiring while the vehicle is powered on.

Part 1 — Dash Disassembly



Step 1

Remove the left and right silver trim panels beside the center control panel.



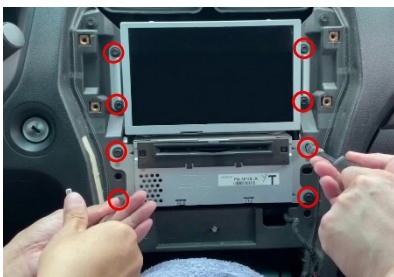
Step 2

Remove the four screws on both sides of the control button panel.



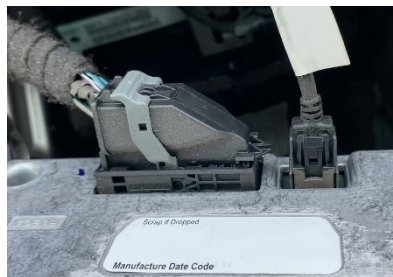
Step 3

Remove the control panel, then disconnect the connectors on the rear of the panel.



Step 4

Remove the screws securing the display assembly.



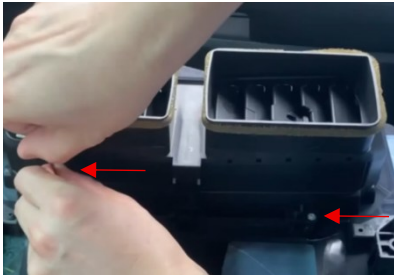
Step 5

Remove the factory display, then disconnect all rear connectors.



Step 6

Remove the factory radio module, then disconnect all rear connectors from the radio module.

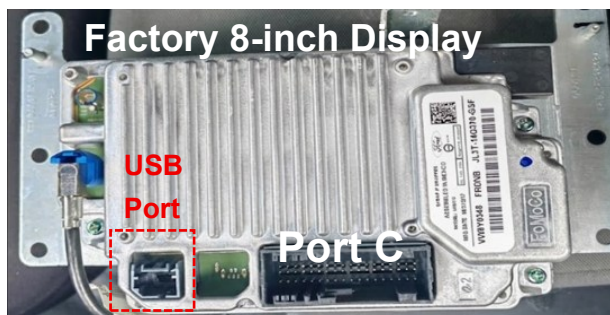


Step 7

Remove the two screws securing the air vents.

Factory Radio Rear Port Reference

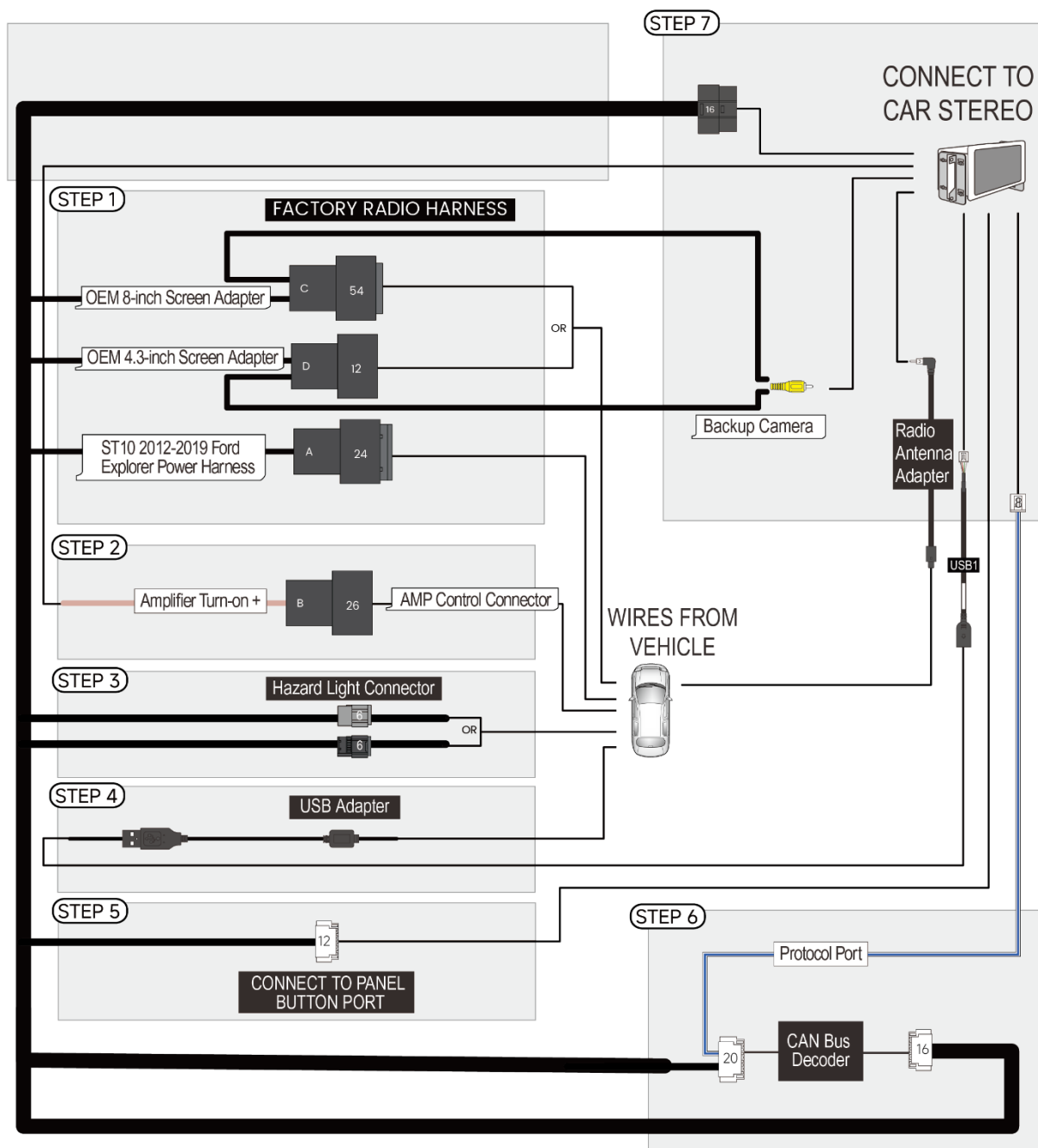
The figures below show the rear port layouts of the factory radio. Refer to these figures to identify the factory connectors used in the wiring procedures that follow.



Part 2 — Wiring Connections

Complete all factory-side harness connections first. Then connect the supplied harnesses to the Vinland car stereo and verify the system operation before reinstalling the trim panels.

WIRING DIAGRAM



Wiring Instructions

Step 1 — Factory Harness Connections

- **24-pin Black Connector**

Connect the 24-pin black connector (labeled **ST10 2012-2019 Ford Explorer Power Harness**) from the power harness to the factory connector removed from the factory radio.

- **54-pin / 12-pin Screen Connector**

1) The vehicle may be equipped with either an **8-inch factory display** or a **4.3-inch factory display**. Two connectors (54-pin and 12-pin) are provided.

- **Factory 8-inch Display:** Connect the 54-pin black connector (labeled **OEM 8-inch Screen Adapter**) to the factory connector, removed from port C of the factory radio.

OR

- **Factory 4.3-inch Display:** Connect the 12-pin black connector (labeled **OEM 4.3-inch Screen Adapter**) to the factory connector, removed from port D of the factory radio.

- **Backup Camera Connector**

1) After completing the connection above, locate the **yellow backup camera RCA cable** on the other end of the selected connector.

2) Connect the **yellow RCA connector** from the screen adapter to the CAMERA IN RCA connector on the Vinland RCA harness.

Step 2 — AMP Control Connector

Note: This step applies only to 2011–2019 vehicles equipped with a factory amplifier when the audio output is not functioning properly. If audio output is normal, skip this step.

- Connect the 26-pin black connector (labeled **AMP Control Connector**) to the factory amplifier connector removed from the factory radio.

- Then, connect the cable (labeled **Amplifier Turn-on +**) with the 26-pin black connector to the blue cable with the same label from the RCA harness, at the 20-pin port on the rear of the car stereo.

Step 3 — Hazard Switch Connector

Two connector options (labeled **Hazard Light Connector**) are provided for different factory panel plug configurations.

- Check the shape of the factory panel plug.
- Then select the matching connector and connect it to the factory panel plug.

Step 4 — USB Adapter Connection

Note: For vehicles equipped **with the SYNC System**, skip this step and route the USB cables to the passenger-side glove box.

- Connect the round connector of the supplied USB adapter to the factory USB plug removed from the factory radio.
- Then, insert the other end of the supplied USB adapter into the 4-pin USB1 cable.

Step 5 — Panel Key Port Connection

- Connect the 12-pin white connector to the lower button port on the trim panel of the Vinland car stereo.

Step 6 — CAN Bus Decoder and Protocol Port Cable

- Connect the 16-pin and 20-pin white connectors from the harness to the matching ports on the CAN Bus Decoder.
- Connect the 8-pin white connector labeled "Protocol Port" from the power harness to the 8-pin port on the rear of the Vinland car stereo.

Step 7 — Vinland Car Stereo Rear Connections

- Plug the 16-pin black connector from the Power Harness into the 16-pin port on the rear of the Vinland car stereo.
- Connect the cylindrical connector of the radio antenna adapter to the factory radio antenna removed from the factory radio.
- Then insert the L-shaped end of the radio antenna adapter into the FM/AM port on the rear of the Vinland car stereo.
- Connect the other end of the supplied 4-pin USB1 adapter to the 4-pin port on the rear of the Vinland car stereo.

Step 8 — Verify System Operation

Before reinstalling the trim panel, verify that the following functions operate normally before proceeding with the remaining installation steps:

- power
- audio
- backup camera
- panel buttons
- climate control functions
- radio reception

Part 3 — Reassembly



Step 1

Reinstall the air vents into the Vinland car stereo assembly.



Step 2

Secure the left and right sides of the car stereo with two screws.



Step 3

Install the two trim panels onto the left and right sides of the car stereo.



Step 4

Installation complete.

Chapter 4 — Troubleshooting

No.	Problem Description	Solution
1	The Vinland car stereo does not power on	① Verify that the yellow B+ wire in the 16-pin power plug has constant 12V power. If no power is present, check the corresponding factory fuse and inspect the vehicle wiring for damage or an open circuit. ② Check that the 24-pin connector on the power harness and the 20-pin white connector for the CAN Bus decoder are each plugged into their correct matching connectors and fully seated. Make sure neither connection is loose or incomplete. ③ Verify that the red ACC wire from the 20-pin CAN Bus decoder connector is providing the correct switched power output to the aftermarket car stereo.
2	GPS signal reception issues	① Verify the GPS antenna is securely connected. The recommended mounting location is the interior A-pillar or above the center console. ② GPS functionality may be limited in high-rise density areas or by adverse weather.
3	Reverse camera malfunction	① If the vehicle is not equipped with a factory backup camera and no aftermarket camera has been installed, a backup camera must be added. Verify that the aftermarket camera video signal cable is securely connected and that the camera is receiving proper power. ② If the vehicle is equipped with a factory backup camera, verify that the backup camera video wire from the matching screen-side adapter is correctly connected to the backup camera video input on the aftermarket car stereo.
4	No Audio After Installation on Vehicles Equipped with a Factory Sony Amplifier	① Verify that the amplifier control wire on the RCA harness is properly connected to the matching amplifier control wire on the AMP Control Connector. Make sure the connection is insulated properly. ② Also make sure the amplifier control setting in the Vinland car stereo is turned on.
5	Poor radio reception or no reception	Verify that the antenna is properly and firmly connected.
6	DVR recording issues	① Use a USB 2.0 (or faster) card reader with a TF/MicroSD card rated U3 or higher. ② Connect the storage device to the USB1 cable only. The recording function will not work when connected to USB

		2 or USB 3. ③ If the DVR app is missing, go to Settings > Assembly > Driving Assistance Video > “DVR Camera Mode”, then tap “Restart.”
7	Weak Bluetooth or Wi-Fi Signal	Verify that the 10-pin connector on the Rear Camera Input Cable (with integrated Wi-Fi and Bluetooth antennas) is properly plugged into the corresponding port on the rear of the car stereo.
8	CAN Bus / Vehicle Protocol Functions Not Working	Check that the Protocol Port cable on the power harness is fully connected to the 8-pin port on the car stereo. Make sure the connector is not reversed and that no required connection has been left unplugged.
9	Panel Buttons Do Not Work	① Check that the 16-pin connector on the CAN Bus decoder is fully connected to the matching 16-pin plug on the power harness. Make sure the connector is fully seated and that no required connection has been left unplugged. ② Check that the 12-pin connector on the power harness is fully connected to the 12-pin port on the button panel.
10	Climate Screen Not Displaying	① Verify CAN Bus Decoder connection. ② Reboot the radio after installation.