Manuals+ — User Manuals Simplified.

TE⚡ STUDIO
F68 Carplay Smart Instrument Screen

TES STUDIO F68 Carplay Smart Instrument Screen Installation Guide

Contents

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TES STUDIO F68 Carplay Smart Instrument Screen

Specifications:

- **Screen:** 6.86-inch high-definition 2.5D laminated screen
- **Operating System:** Linux high-performance operating system
- **UI Theme Styles:** 2
- **Functions:** Carplay/Auto, Autopilot display, Touch mode, Front view camera, Multiple shortcut key functions, Tire pressure display
- **Compatibility:** Year 17+ Model 3, 19+ Model Y (general)

Product Usage Instructions

Installation:

1. Tools Required: Trim Tool, Small Phillips screwdriver, T20 screwdriver, Threading tape, 10mm socket
2. Precautions: Ensure power is turned off before installation to prevent malfunctions

Features:

- Dedicated to special vehicles for non-destructive installation
- High-performance operating system and high-definition screen
- Compatible with synchronized original car driving information display
- 2 UI theme styles, adaptive day and night mode
- Supports original car side control and touch shortcut functions

Shortcut Keys Description:

Icon	Name	Function
G	Glovebox	Open the glove box (contact for password blocking)
S	Sport	Turn on sport mode
R	Regen braking	Turn on kinetic energy recovery state
C	Child-lock	Turn on child lock; automatically open after 20 seconds whencar is parked
T	Tiles mirrors	Folding rearview mirror when parked

Carplay/Auto Instructions:

1. Slide from right edge to left to pop up status bar
2. Click icon to enter Carplay/Auto connection interface
3. In phone settings, turn on Bluetooth and pair with device "iPhoneBT-EC83"
4. Confirm on phone to enable CarPlay/Auto connection
5. To play sound through original car speakers, connect device via Bluetooth settings on original car screen

Frontview Camera Manual Entry:

1. Slide from right edge to left to pop up status bar
2. Click icon to enter front view camera interface

Frequently Asked Questions (FAQ):

Q: How do I activate the sport mode using the shortcut keys?
A: To activate sport mode, press the 'S' key on the interface.

Q: Can I customize the UI theme styles?
A: The product currently supports 2 UI theme styles and does not offer customization options.

Q: What is the default Bluetooth name for device pairing?
A: The default Bluetooth name is "iPhone-BT-xxxx" for device pairing.

PARTS LIST

Parts list diagram

①	Screen	⑤	Gloves
②	Trim tool	⑥	Type-C to USB adapter
③	Camera extension harness	⑦	Intel wiring harness
④	Front camera	⑧	AMD wiring harness

1. Tools required for installation

   Trim Tool; Small Phillips screwdriver ; T20 screwdriver;

   Threading tape; 10mm socket

2. Installation precautions :

   Please ensure that the power is turned off to prevent malfunctions.

Tip : For faster installation, be sure to read these instructions carefully.

Instrument screen – product highlights

F68 carplay smart instrument screen – product highlights

6.86-inch high-definition 2.5D laminated screen	Synchronously display original vehicle driving information
High performance operating system	Touch mode
Autopilot display	Front view camera
2 UI theme styles	Multiple shortcut key functions
Carplay/Auto function	Tire pressure display

Year: 17+Model 3, 19+ModelY (general)
Name: Model 3Y Universal F68 Carplay smart instrument screen

Features

1. **Installation:** dedicated to special vehicles, non-destructive installation, does not affect the functions of the original vehicle
2. **Experience:** Linux high-performance operating system , 6.86-inch high-definition 2.5D laminate screen , 1280*480P
3. **Function:** Compatible with synchronized original car driving information display ; 2 UI theme style displays; adaptive day and night mode; supports original car side control; touch shortcut function ; carplay/Auto, front camera

Product Description

1. Specially designed for special vehicles , non-destructive installation without damaging the original vehicle wiring harness and functions .
2. Linux high-performance operating system , integrated with the car to achieve vehicle-machine integration , 6 .86-inch high-definition 2 .5D laminated screen IPS true color full viewing angle , resolution 1280*480P high-definition image quality ,
3. Compatible with synchronized original vehicle driving information display : (time , left and right steering , double flashing lights in green , rear fog lights , side lights , low beams , high beams , automatic braking , seatbelts , outside temperature , speed limit prompts , battery usage , distance between vehicles , speed/door opening information , gear position , cruising range , total mileage , tire pressure) , 2 UI theme style displays , adaptive

day and night mode (brightness adjustment) , and automatically changes in sync with the original car . Compatible with original car button control screen . Multiple shortcut functions: open the glove box , enter sports mode , enter kinetic energy recovery state , temporarily open the child lock , fold the rearview mirror with one click (the same type of icon as automatic assisted driving) , front camera : radar induction trigger (high in settings) , medium , low , select; manual entry: push the right scroll wheel right for 3 seconds to enter the front-view camera; touch menu: move the right side of the screen to the left to see a small menu , click to enter the front-view camera) ; carplay/Auto: new 5G network Ensure stable connection , fast transmission without lag , stable and smooth connection between Carplay module and mobile phone)
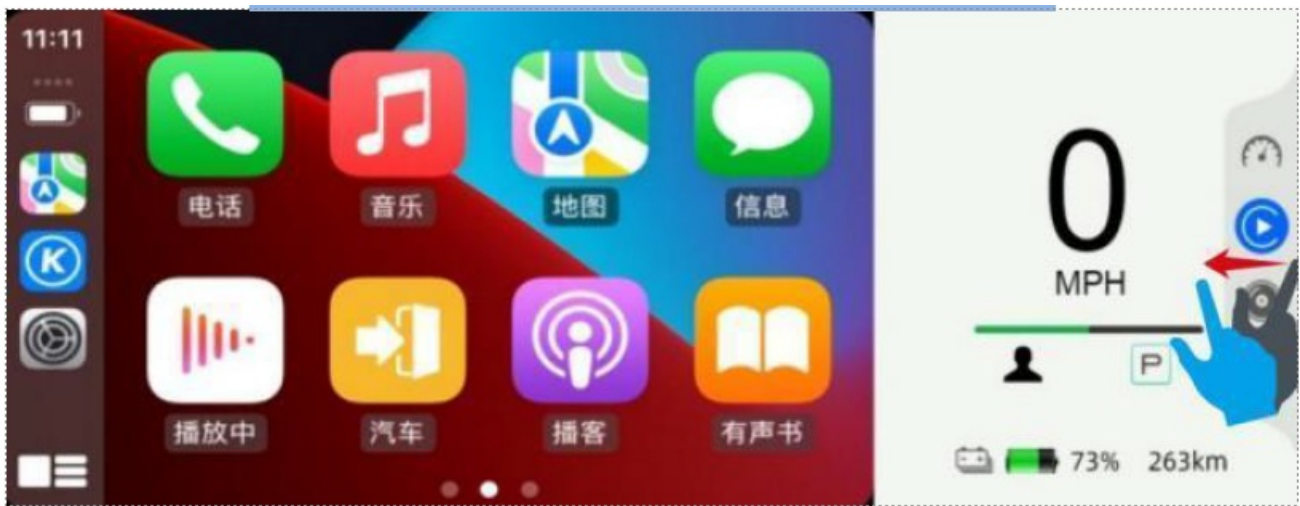
Note:

1. All those who manually enter the front view need to exit manually.
2. The priority is displayed when the door is not closed, and the vehicle speed is displayed after closing the door!

Description of shortcut keys

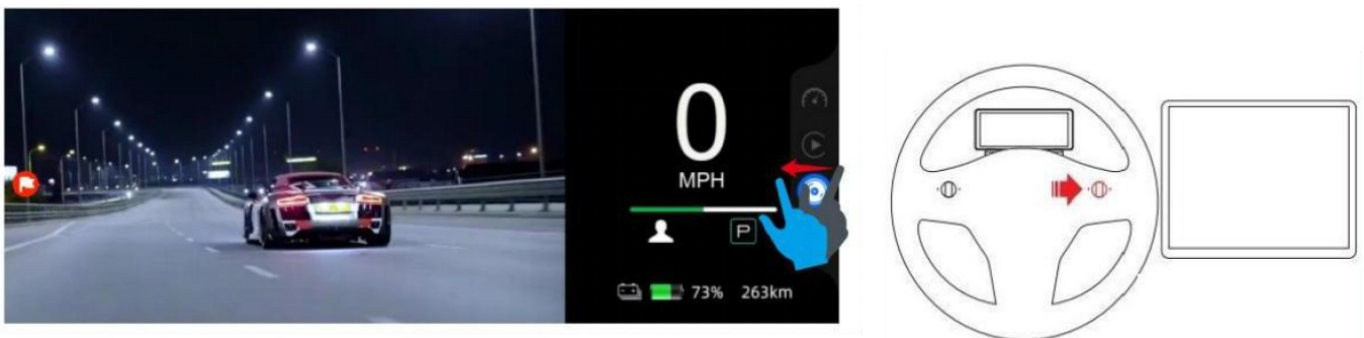| icon	name	Function
G	Glovebox	Open the glove box (ignore the password, please contact us if you need to block this function)
S	Sport	Turn on sport mode
R	Regen braking	Turn on the kinetic energy recovery state
C	Child-lock	Turn on the child lock (temporarily turn off the child lock when the car is parked, and automatically open the child lock after 20 seconds. The child lock on the car screen will only work when it is turned on)
T	Tiles mirrors	The folding rearview mirror when parked

carplaylAuto user instructions

1. Touch the right edge of the screen and slide to the left to pop up the status bar.

2. Click icon to enter the Carplay/Auto connection interface

3. Open the phone – Settings – Bluetooth – turn on Bluetooth. The phone will automatically search for surrounding Bluetooth devices, find the device iPhone-BT-EC83, and click pairing.

4. When the phone displays "CarPlay/Auto " , click Confirm on the phone to turn it on, and the connection will be successful.

5. If you want the sound of instrument carplay/Auto to come out from the original car speakers, just use the original car screen to search for the Bluetooth of the connected instrument carplay/auto phone and connect it.

Note: The factory default name of the Bluetooth device is iPhone-BT-xxxx.
Different devices may have different Bluetooth names.

Front view camera manual entry instructions

1. Touch the right edge of the screen and slide to the left to pop up the status bar;

2. Click the . icon to enter the front view camera interface.

3. Enter the front-view camera interface, long press the right side of the screen and the image quality selection will pop up. Select 1080P (otherwise there will be no signal problem)

   1. You can also push the right wheel of the car steering wheel to the right and press and hold for 3-5 seconds. Quickly enter the front-view camera interface (same as exiting the front- view camera interface) .

Smart Instrument Screen Installation Instructions

1. Remove the triangular panel on the left side
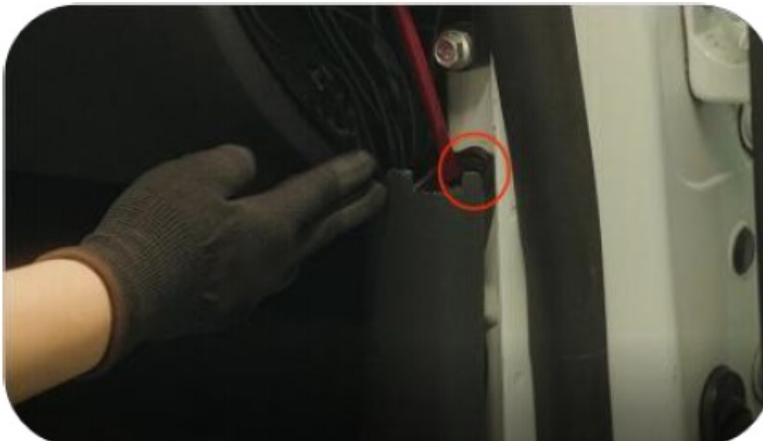
   (The same goes for the right side)

2. Remove the dashboard trim panel

3. Remove the passenger rectangular trim panel

4. Take out the clips on the passenger door trim panel and remove the door sill trim panel.

5. Use a trim tool to pry and remove the original cover from the position shown in the picture

6. Release the clip on the dust-proof leather cover of the steering gear

Intel Version

1. Use T20 to unscrew the fixing screws and clips of the passenger floor.
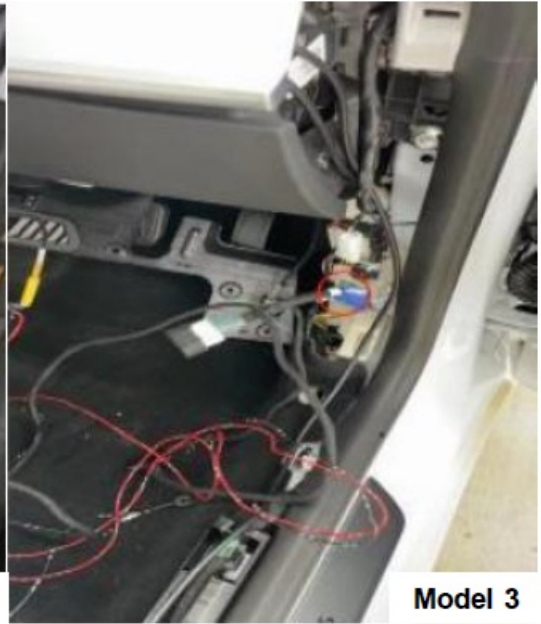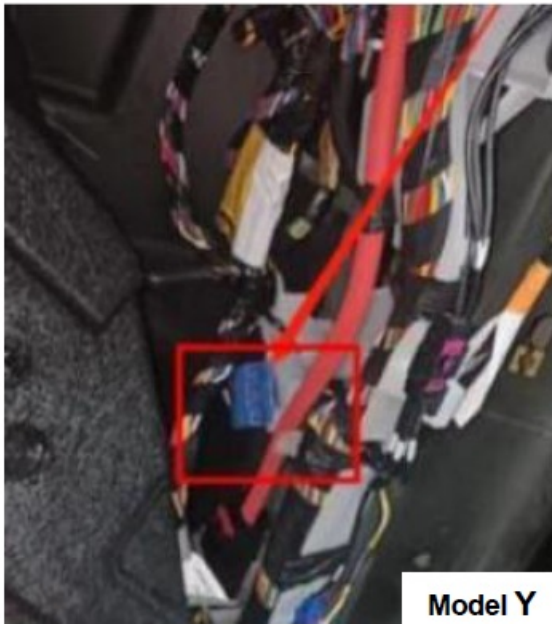
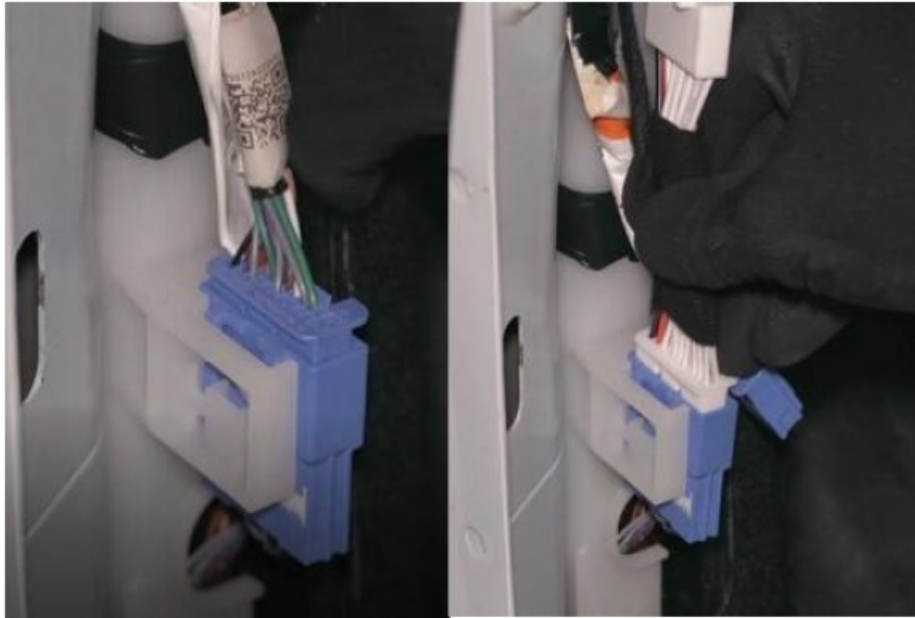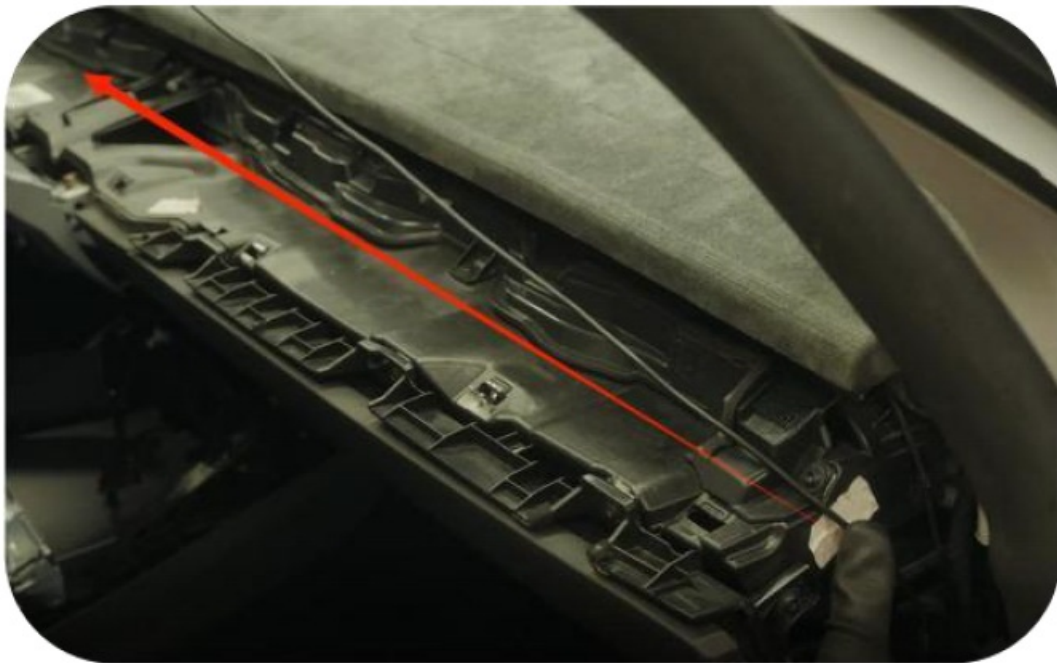2. Unplug the second gray plug on the computer board and plug it in

AMD Version

1. Connect the plug to the blue plug under the A-pillar of the front passenger seat

   (The plug with less wiring harness is a protocol plug)

Model Y   Model 3

2. Connect the plug to the blue plug under the A-pillar of the driver's front seat

   (The plug harness is full of power plugs)

7. Select the version of your car and use the corresponding wiring harness to connect the plug, and then run the wiring harness along the edge to the front of the steering wheel.
(AMD wiring harness needs to move the power plug to the A – pillar of the driver's seat)

Front camera installation instructions

1. Remove the air intake trim panel

2. Use a No. 10 socket to unscrew the four fixing screws.

3. Release the clips in the front trunk

4. Unplug the front trunk button and take out the front trunk

5. Pass the camera harness through the lower grille into the cabin.

6. Use double-sided tape to stick the camera in the center of the license plate, align the position with the fixing screw
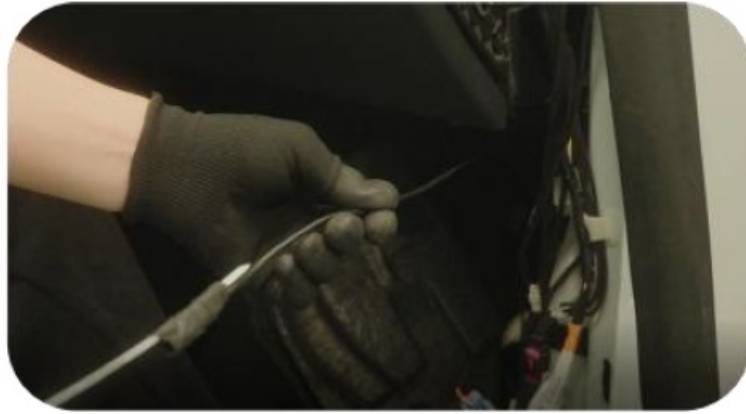
   (Clean it before pasting)V

7. Cut off the raised position of the rubber plug as shown in the picture (The location is in the upper right corner of the passenger trunk)

8. Thread the threading tape from the cut position (Don't break the rubber plug, otherwise it will be difficult to snap it back in)
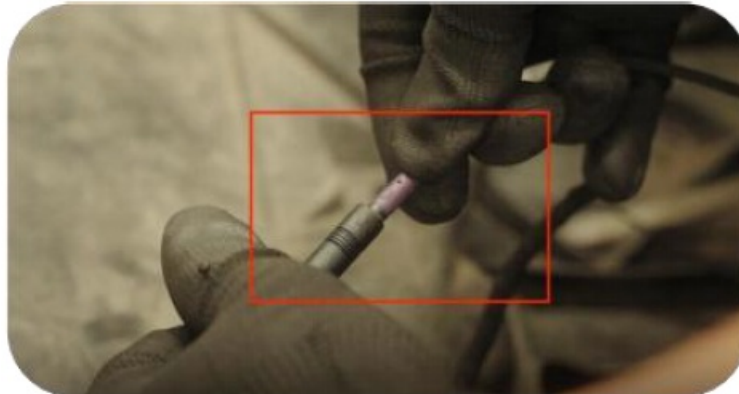

9. Pull out the wiring strap from the passenger side (Tie the wiring harness in the cabin)

10. Walk along the main wiring harness to the front of the steering wheel (The wiring harness can be fixed with tape to prevent abnormal noise)

11. Plug the extension cord into the camera plug (Fix the excess wire harness)

12. Plug the other end into the screen plug (Fix the excess wire harness)

smart instrument screen instructions

1. Insert all the plugs, turn on the product and test whether there is any problem, then restore and install the car.

Instrument display diagram

F68 Carplay version installation completed display picture

Troubleshooting Guide

F68 carplay smart Instrument screen-FAQ Troubleshooting Guide

Question	Reason	Solution
Black screen (The screen does not light up after installation)	The power supply fuse is burned out	Replace the fuse with the same type
	Other factors cause the micro processor to work abnormally	restart key
	After the host plug was unplugged, it was not plugged back within 5 minutes.	Connect the wiring harness, lock the car for 2 hours, keep the mobile phone and remote control key more than 20 meters away from the car, and check after 2 hours to see if the screen can be lit.
	The host or screen plug is not tightly plugged in	Reconnect the console plug
Start without display	Background data error	Reconnect the console plug
The original car information is not synchronized or not displayed	The power line protocol line is blocked	Re-plug the cable and check the cable interface
How to switch UI	You can enter the setting interface settings.	Push the right scroll wheel of the car steering wheel right for 3 seconds to enter
Child lock not working?	The child lock set by the original car host is not turned on.	Turn on the child lock function in the original car settings
How to set up to trigger the front camera	You need to bring a front radar to use it	Car radar trigger with radar

Documents / Resources

TES STUDIO F68 Carplay Smart Instrument Screen [pdf] Installation Guide
17 Model 3, 19 ModelY, F68 Carplay Smart Instrument Screen, F68, Carplay Smart Instrument
Screen, Smart Instrument Screen, Instrument Screen, Screen

References

- **User Manual**