

**Part Number: PT949-08210 (Dash Cam)
PT949-48210 (Y-Harness)**

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Dashcam Main Unit
4	1	Window Mounting Plate
5	2	Foam Tape
6	4	Cable Ties
7	1	Quick Start Guide
1	1	Y-Harness

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		
2		
3		

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		
3		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes
Seat protection	
Dash protection	
Special Tools	Notes
Installation Tools	Notes
Panel Tool	
Socket Wrench	With 10mm socket
Torque Wrench	With 10mm socket
Special Chemicals	Notes
VDC approved cleaner	To clean windshield

General Applicability

Applicable to XLE, Limited models

Recommended Sequence of Application

Item #	Accessory
1	Dashcam (PT949-08210)
2	Y-Harness (PT949-48210)
3	

*Mandatory

Legend

 **STOP:** Damage to the vehicle may occur. Do not proceed until process has been complied with.

 **OPERATOR SAFETY:** Use caution to avoid risk of injury.

 **CAUTION:** A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

 **TOOLS & EQUIPMENT:** Used in Figures calls out the specific tools and equipment recommended for this process.

 **REVISION MARK:** This mark highlights a change in installation with respect to previous issue.

 **SAFETY TORQUE:** This mark indicates that torque is related to safety.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

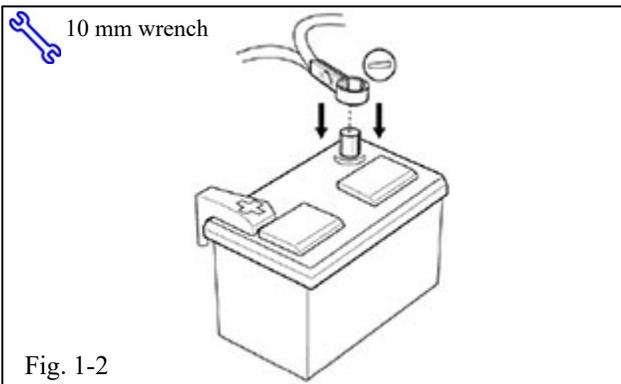
This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.

1. Protect Vehicle and Disconnect Battery

-  (a) Protect the bumper before starting.
- (b) The engine components and coolant may be hot.
- (c) Check the kit for contents or damage.
- (d) Locate the Battery service hole cover on the passenger side of the cargo area and disengage the clips circled (Fig. 1-1).



- (e) Remove battery negative terminal (Fig. 1-2).

 **CAUTION: Do NOT touch the positive (+) terminal with any tool during removal.**



2. Apply Vehicle Protection.

- (a) Apply vehicle protection to front seats, dash and center console (Fig. 2-1).

3. Install the Windshield Base Plate



STOP: The front windshield must be at least 50°F (10°C).

- (a) Using approved cleaner, clean the area around the TSS cover.
- (b) Using scissors, cut the template at the back of these instructions as indicated.
- (c) Slip the template under the lower left edge of the TSS cover. (Fig. 3-1) Align to the indicated line, affix the template to the windshield with tape.
- (d) Take film off adhesive and place base plate onto in the indicated area. Hold firmly for 10 seconds for adhesive to apply to windshield.



4. Remove Roof Console

- (a) Remove the roof console by pulling down firmly on the rear edge. Continue to rotate console down to disengage the front clips (Fig. 4-1).
 - (1) A hooked panel tool may be used to pull down on the console.



CAUTION: Do NOT pry against the headliner.



- (b) Once fully detached, disconnect roof console (Fig. 4-2).



5. Remove the TSS Cover

- (a) Rotate the mirror down to gain adequate clearance (Fig. 5-1).



- (b) Remove the 2-piece mirror cover plate (Fig. 5-2).
 - (1) Pull down on the upper edge of the plate to disengage the clips (Fig. 5-3 circled in red) This can be done with a hooked panel tool.
 - (2) Alternatively, you reach into and the upper edge of the cover with your fingers.

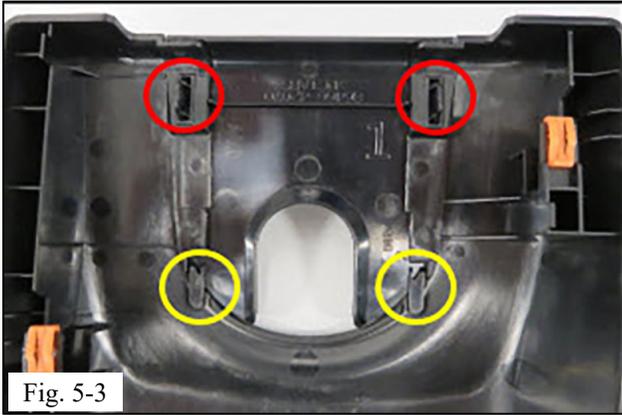


Fig. 5-3

- (3) Slide the cover up and back to disengage the lower hooks (Fig. 5-3 circled in yellow).



Fig. 5-4

- (c) Remove the TSS cover by sliding the cover down (Fig. 5-4) from the TSS cover base.

6. Install the Y-Harness

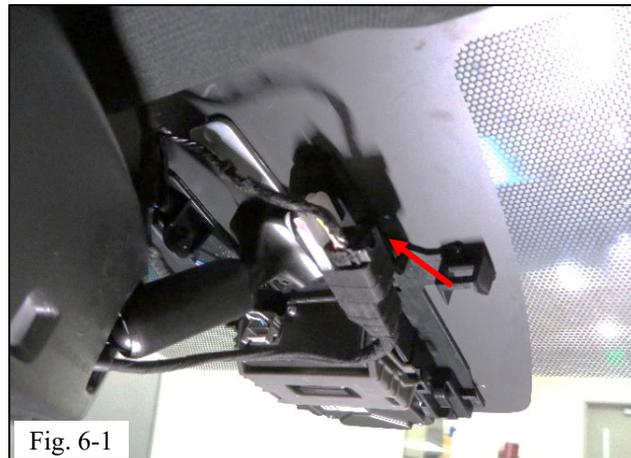


Fig. 6-1

- (a) Disconnect the mirror from the vehicle wire harness by pushing in on the release tab (Fig. 6-1).
- (b) Install the Y-harness between the mirror connector and the vehicle mirror wire harness connector.
 - (1) Pull the whole harness into headliner.



- (2) Insert the black Y-Harness male connector into the female vehicle connector. (Fig. 6-2 and 6-3)

⚠ NOTE: For XLE models, there is only 1 connector (Fig 6-2). For Limited models, there are 2 connectors (Fig 6-3). Connect to the black female vehicle connector that is circled in dotted yellow.

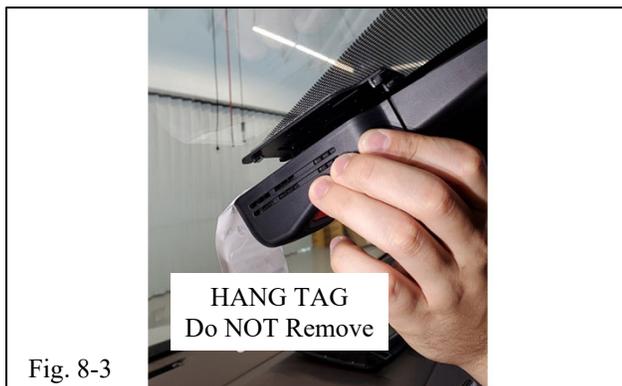
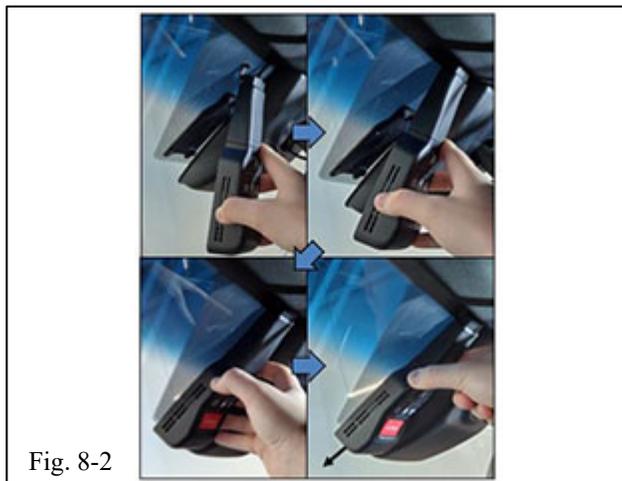
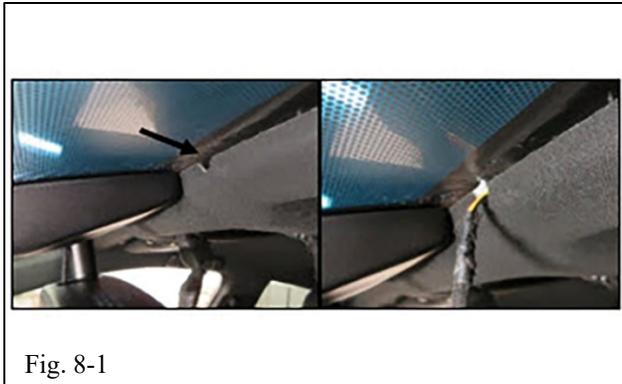
- (3) Insert the male mirror connector into the Y-Harness black female connector and wrap with foam tape (Fig. 6-2).
- (4) Pull slack into headliner.

7. Reinstall the TSS Cover

- (a) Reinstall the TSS cover by pushing up on cover along the windshield to engage the mounting clips into the cover base (Fig. 7-1).
- (b) Reinstall the mirror cover plate by hooking the front hooks onto the edge of the TSS cover mirror opening and pushing up to engage the mounting clips into the TSS cover.

8. Affix Dashcam to base plate and route wire harness through headliner

⚠ NOTE: The hang tag that is present with the Dash Cam is only to be removed by the end customer. Because the Dash Cam always turns on with ignition, the hang tag is meant to block recording while the vehicle is processed prior to customer drive away. Do not remove the hang tag.



- (a) From the driver side of the windshield, locate the notch in the front edge of the headliner.
- (b) Route the Dash Cam pigtail through the notch and into the headliner (Fig. 8-1).

- (c) Hook the Dashcam wire extension cover hooks into the headliner (Fig. 8-2).
- (d) Swing Dashcam unit onto the base plate. Gaps all around the dashcam unit and windshield should be even (Fig. 8-2).
- (e) Press down on dashcam unit to secure to base plate. Dashcam unit will move slightly as it fits to its final position (Fig. 8-2).

⚠ NOTE: Do not remove the hang tag that is present with the Dash Cam. Keep hang tag in front of the Dash Cam, between the windshield and the Dash Cam (Fig. 8-3).

9. Hook harness protector under headliner

- (a) Use one hand to slightly pull headliner down and use the other hand to extend the harness protector. Hook the protector under the headliner (Fig. 9-1 and Fig. 9-2).



Fig. 9-1



Fig. 9-2

10. Route/Bundle Wire Harness

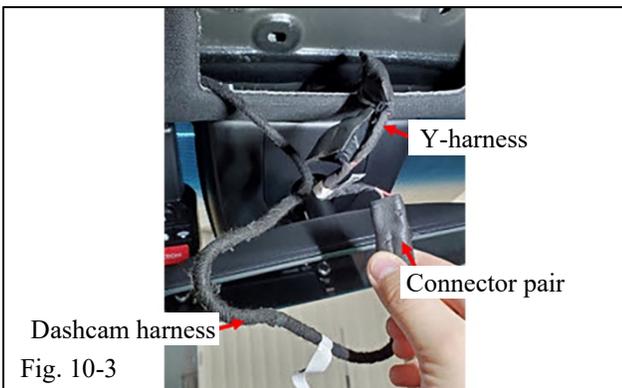
- (a) Pull the white Y-Harness connector through the headliner opening and connect to the white Dash Cam connector (Fig. 10-1).



Fig. 10-1



- (b) Pull all slack through the headliner opening and form a loop (Fig. 10-2).
- (c) Wrap connector pair with foam tape (Fig. 10-2).
- (d) Wrap both in-line fuses with foam tape (Fig. 10-2).
- (e) Orient the wires roughly as shown. Take note of which wire segment belongs to which part.
- (f) Bundle the wires roughly as shown (Fig. 10-3).



- (g) Continue to gather wires into a smaller bundle (Fig. 10-4).



⚠ NOTE: Keep the Y-harness on top of the Dashcam harness.



- (h) Wire tie the bundle and fit into open headliner cavity. Take care not to cause bulging in the headliner (Fig. 10-5).

⚠ NOTE: Some adjustment to the bundle may be necessary to fit bundle without bulging the headliner.

⚠ NOTE: Do not block access to the indicated clip hole or else roof console may not attach correctly.

- (i) Clip off extra wire tie length.

11. Reassemble the console

- (a) Reconnect roof console connector.
- (b) Reinstall roof console (Fig. 11-1).

- (1) Engage front hooks of the roof console into the headliner opening. Tilt up and push upward to engage the clips into the roof.

⚠ NOTE: Make sure to align clip holes before pushing up to avoid damage to clips.

- (c) Place the Quick Start Guide in the Glove Box.



Fig. 11-1

12. Reconnect Battery.

- (a) Reconnect the negative battery cable (Fig. 12-1).

⚠ Torque: 5.4 N•m (48 in•lbf)

+ **CAUTION:** Do not touch the positive terminal with any tool.

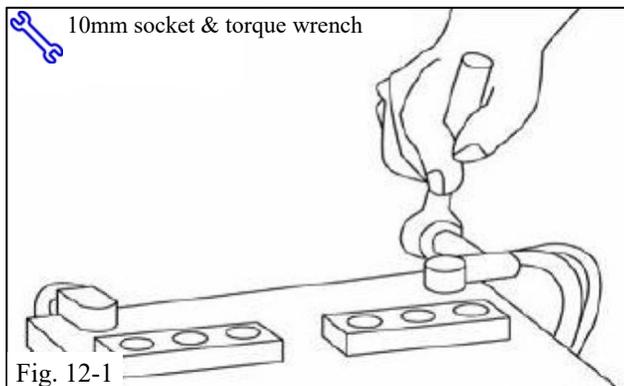


Fig. 12-1

13. Reinstall Battery Cover and Remove Protective Covering

- (a) Reinstall battery service hole cover in step 1c
- (b) Remove and discard vehicle protective covering

TOYOTA VENZA 2021 - Dashcam (Digital Video Recorder)
 Checklist - these points **MUST** be checked to ensure a quality installation.

<p><u>Check:</u></p> <p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Verify parts</p> <p><input type="checkbox"/> Vehicle Startup</p> <p><input type="checkbox"/> Power LEDs light up.</p>	<p><u>Look For:</u></p> <p>Removed items have been discarded & replaced items are in place</p> <p>Confirm Dashcam does not emit continuous beep on vehicle startup. If it does, confirm SD card is installed.</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Standard exterior lights - low/high beams, left/right turn signal, emergency signal.</p> <p><input type="checkbox"/> Roof console functions- map lights, sun/pano roof (if equipped), trunk release, rear dimming mirrors.</p> <p><input type="checkbox"/> TPMS gauge indicator</p>	<p>Confirm standard lighting functions work properly.</p> <p>Confirm roof functions work properly.</p> <p>Prior to TPMS activation and PDS, the TPMS light may blink when IG is on. After activation and PDS, the TPMS light should turn off when IG is on.</p>
<p><u>Vehicle Appearance Check</u></p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process. (For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)</p> <p>Confirm windshield template has been removed from vehicle.</p>