



TOYOTA
Southeast Toyota Distributors, LLC

Color Applicability/Trim Level

Item #	Quantity Req'd.	Description
1	1	Driver side Step Board
2	1	Passenger Step Board
3	1	Driver Side Brackets
4	1	Passenger Side Brackets

Item #	Quantity Req'd.	Description
1	12	8mm Hex head bolts
2	12	5/16" Square head bolts
3	12	8mm flat washers
4	12	5/16" flat washers
5	12	5/16" Nylock nuts
6	2	T-Tap connectors (female)

Item #	Quantity Req'd.	Description
1	1	Electrical tape

Note:

Safety Tools	
Eye protection	
Special Tools	
None	
Installation Tools	
1/2" socket wrench	
8mm socket wrench	
Standard Screw Driver	
Pliers	
Torque Wrench	
Special Chemicals	
Silicon sealant	

[illegible]

Note:-

Item #	Accessory	
1		
2		
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.

 **CRITICAL PROCESS:** Proceed with caution to ensure a quality installation. These points will be audited on a completed vehicle installation.

 **GENERAL PROCESS:** This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation.

 **TOOLS & EQUIPMENT:** 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.

SPECIAL NOTE:

Installation Sequences

After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.

1. Open the box and remove all of the content and place on a clean flat surface. Note: Be sure to protect the step boards from abrasion or impact.
2. Inspect for damage and compare hardware /kit content to supplied list.
3. Remove the brackets from the packaging and separate the front bracket (1) from the rear brackets (2). See (Fig 1).



4. Disconnect negative battery connector and isolate Cable.



5. Remove the factory 8mm bolts from the factory hole locations along the sidewall of the vehicle. See (Fig 2) .

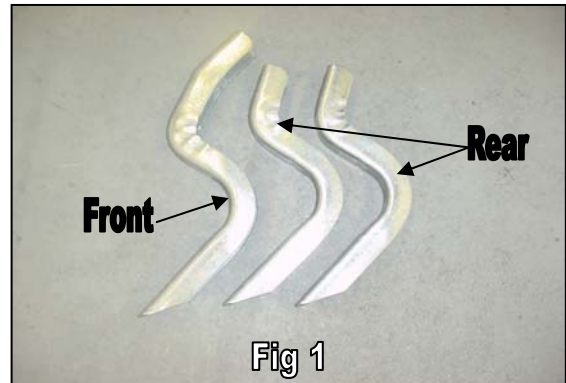
6. Install the brackets into the factory hole locations using the supplied 8mm Hex headed bolts and 8mm Washers.



Note: Leave loose at this time. See (Fig 3).



7. Install all three brackets before moving to the next step. See (Fig 4).



8. Install the Trim-lok extrusion on to the Step board. The Trim-lok should be positioned evenly between the end caps. See (Fig 5).



Fig 5

9. Turn the step board over and start (6) six of the 5/16" square headed bolts into the Step board. **Note:** There should be three (3) 5/16" Square headed bolts per channel. See (Fig 6).

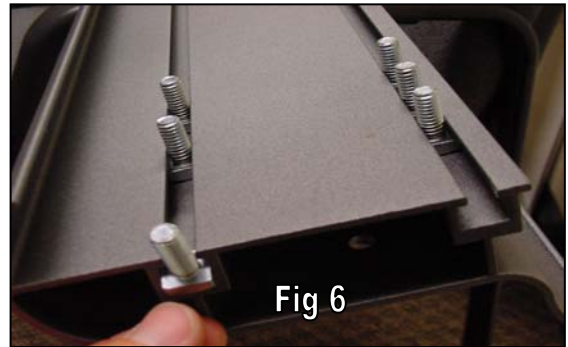


Fig 6

10. Position the step board alongside the brackets and align the 5/16" square headed bolts to the brackets. There should be two bolts per bracket.



Note: The small step pad is located at the rear of the vehicle. See (Fig 7).



Fig 7

11. Position the step board over the brackets and tilt the outside edge up at a 45-degree angle. Slide the step board toward the vehicle and pass the Trim Lok extrusion under the pinch weld. **Note:** Be sure that the 5/16" Square headed bolts pass through the brackets before moving to the next step. See (Fig 8).



Fig 8

12. Start a 5/16" washer and a 5/16" Nylock nut on each of the 5/16" Square headed bolts.



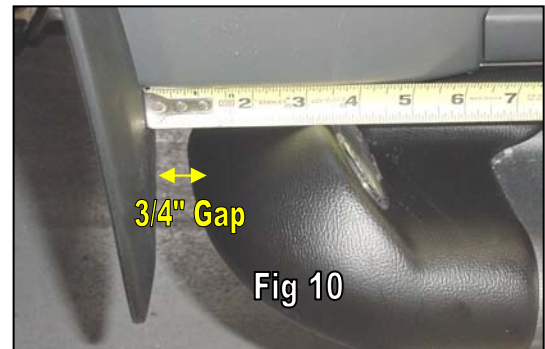
Note: Leave loose at this time. See (Fig 9).



13. Position the Step board so that there is a 3/4" gap between the front mud flap and the outside edge of the Step board. The rear of the step board should be even with the rear fender well.



See (Fig 10).



14. Tighten the (8) eight 8mm nuts at all of the factory positions along the sidewall.



Torque all 8mm nuts to 14 ft/lbs.



15. Tighten the (8) eight 5/16" square headed bolts from brackets to Step board.



Torque all 5/16" nuts to 9 ft/lbs.



16. Perform the same procedure on the opposite side of the vehicle.

Wire Harness installation



NOTE: Harness must follow recommended routing to insure that you have enough wire to make connections.

1. Start on the Passenger side of the vehicle by removing the threshold plate and kick panel. Locate and remove the floor pan plug under the door pillar post on the bottom side of the floor pan. See (Fig 11).



2. Pass the wire harness through the floor pan plug hole and under the carpet until the harness is completely inside the vehicle. See (Fig 12)

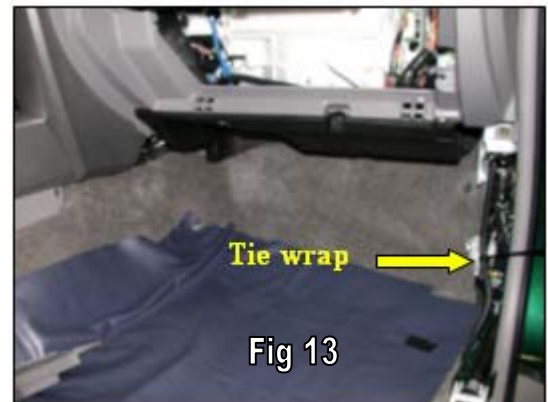


3. Route the wire harness forward along the factory harness located under the threshold until it is behind the glove compartment.



Note: The wire harness should be secured so that it does not interfere when re-attaching the threshold or kick panel. See (Fig 13)

4. Open the glove compartment and release the rear stops until the Glove compartment passes beyond the fully open position. This will give access to the center console tunnel.



5. Pass the end of Wire harness from the passenger side of the vehicle to the driver side.



Note: The Wire harness connector should emerge with a small length of wire.

Tie wrap as shown. See (Fig 14)

Move to the driver side of the vehicle

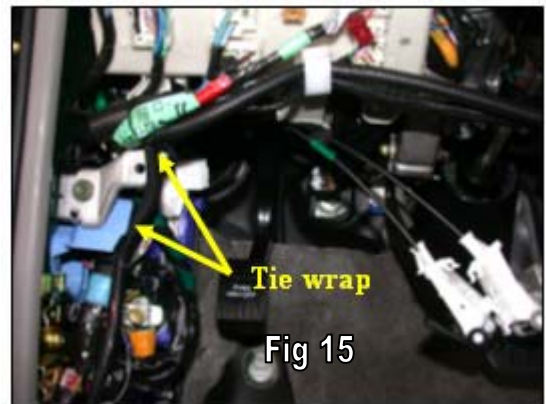
6. Remove the threshold plate and kick panel.
Locate and remove the floor pan plug under the door pillar post on the bottom side of the floor pan.



7. Route the wire harness forward along the factory harness located under the threshold. Until it is behind the Fuse box.



Note: The wire harness should be secured so that it does not interfere when re-attaching the Threshold or kick panel. See (Fig 15)



8. Remove the rear dash panel so that there is access to the fuse box and ignition switch.
9. Route the wire harness along the front dash area until it meets with the wire harness from the passenger side of the vehicle. Connect the two wire harnesses.



Note: The wire harness should be secured so that it does not interfere when re-attaching the dash panel or associated pieces.

10. Route the wire leads towards the ignition switch.



Clip T-taps to the red/green wire located at Connector I 17 Pin 6 and the black wire located at Connector I 17 Pin 2. **See (FIG 16)**

11. Plug the red wire to the red/green wire Pin 6, and the black wire to the red wire Pin 2 at connector I 17. Test the circuit by closing and opening all door openings. **See (Fig 16)**



12. Verify the wire harness route and permanently secure before moving to the next step.



13. Modify the floor pan plugs to allow the wire harness to pass through them. Use a razor knife to cut a 3/8" hole in the middle of the plug. Then make a strait cut from the hole to the outside of the plug. The wire harness can then be passed through to the middle of the plug.



14. Re-install the floor pan plugs and seal them with silicon sealant.



15. Re-install all of the previously removed panels and carefully check for any loose or improper installation.



16. Tie Wrap harness under board as shown. **See (Fig's 17 & 18)**



17. Connect battery negative cable and torque to 3 ft. lbs. Function test vehicle. 



18. This concludes the installation of the Toyota 4-Runner Lighted Running Boards.

