



# COBRA RUNNING BOARD

PART #: TAC-TWB-014

**FITS:** 2014-2019 Toyota Highlander



60-120 min



Cutting Not Required



Drilling Not Required

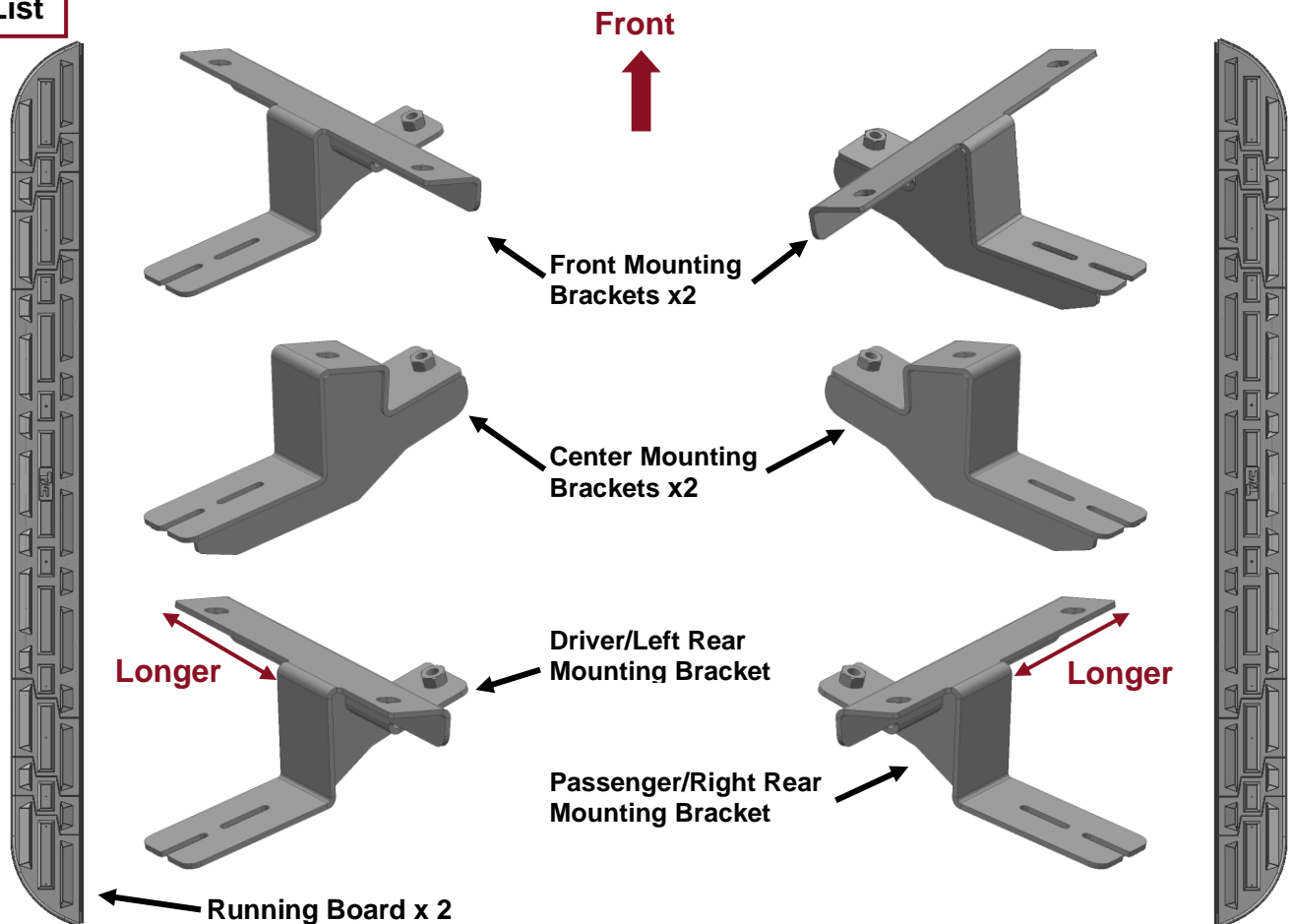
## Torque & Tools

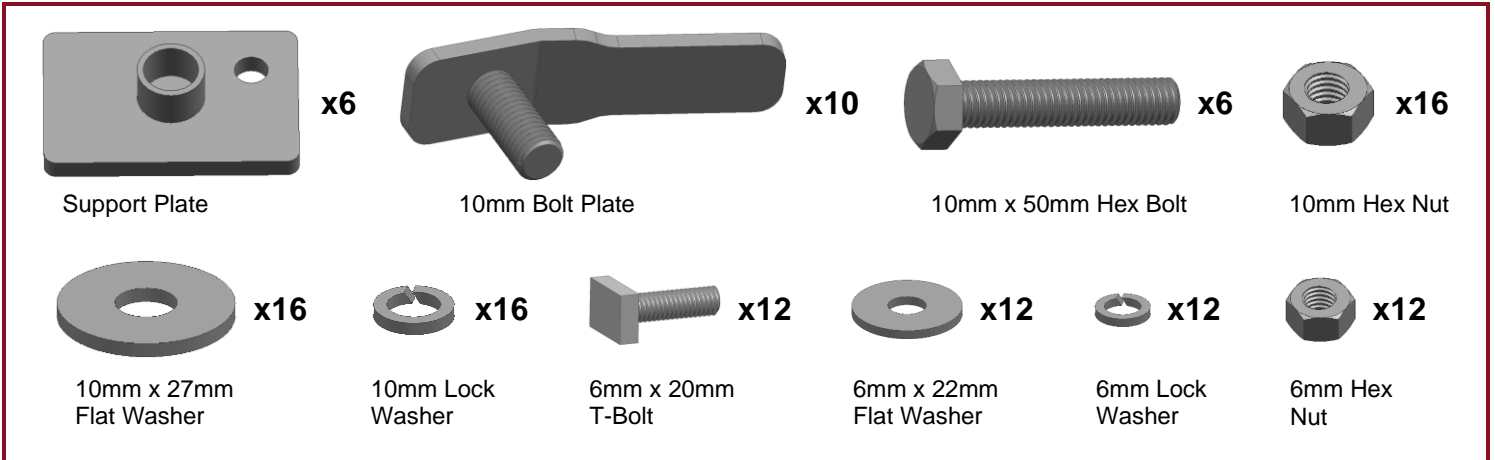
Fastener Size	Tightening Torque (ft-lbs)	Wrench Required	Allen Wrench Included	
			<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 6mm	<input checked="" type="checkbox"/> 7-8.5		<input checked="" type="checkbox"/> 10mm	<input type="checkbox"/> 4mm
<input type="checkbox"/> 8mm	<input type="checkbox"/> 18-20		<input type="checkbox"/> 13mm	<input type="checkbox"/> 5mm
<input checked="" type="checkbox"/> 10mm	<input checked="" type="checkbox"/> 35-40		<input checked="" type="checkbox"/> 16mm	<input type="checkbox"/> 6mm
<input type="checkbox"/> 12mm	<input type="checkbox"/> 60-70		<input type="checkbox"/> 18mm	<input type="checkbox"/> 8mm

## BEFORE INSTALLATION

REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT. READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION. ASSISTANCE IS RECOMMENDED.

## Part List

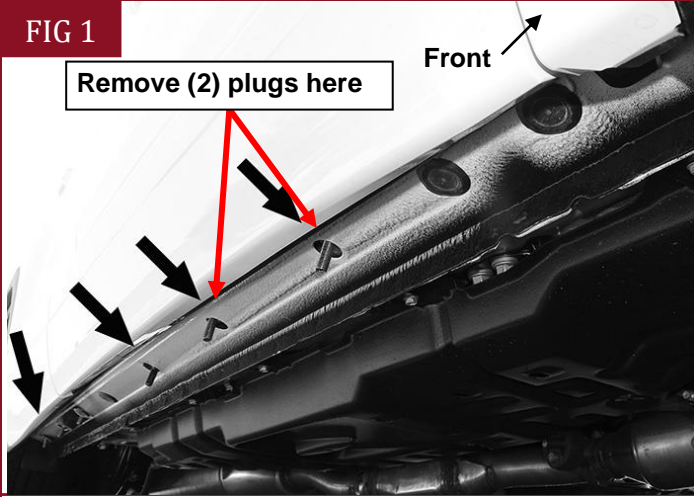




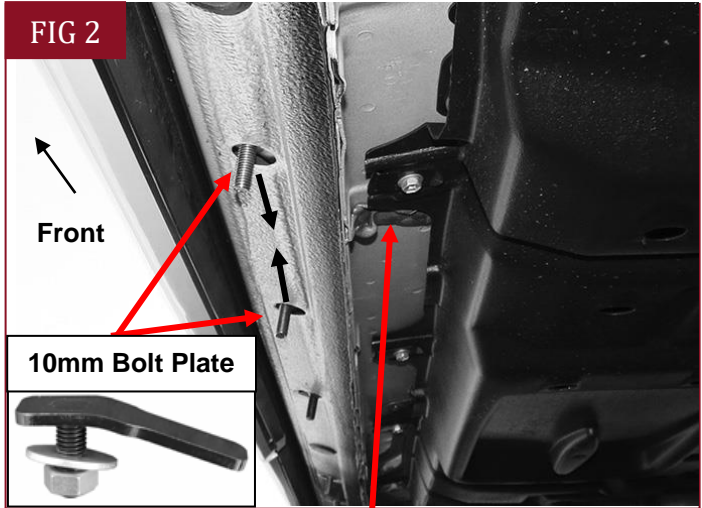
**PLEASE NOTE THAT THE FOLLOWING PICTURES ARE BASED ON THE PASSENGER SIDE INSTALLATION**

## STEP 1

Starting on the passenger side of the vehicle, locate the (9) rubber plugs along the lower body panel. From the front, remove the 3rd and 4th round plugs, **(Fig 1)**. Select (2) Bolt Plates, **(Fig 2)**. Check the location for body sealant and scrape away excess as necessary. Insert each Bolt Plate into the factory hole with the long end of the plates facing each other, **(Fig 2)**.



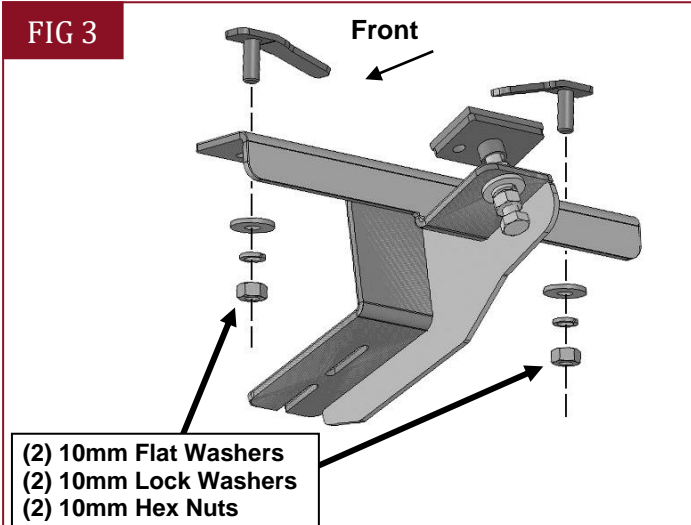
**(Fig 1) Use the 3rd and 4th mounting hole from the front fender opening for passenger front Mounting Bracket location**



**(Fig 2) Scrape excess body sealant as necessary from all locations before installing Brackets**

## STEP 2

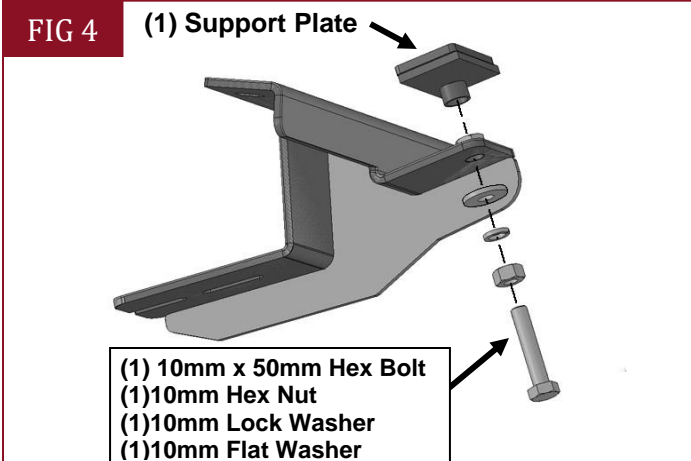
Select (1) Front Mounting Bracket. Attach the Bracket to the Bolt Plates with (2) 10mm Flat Washers, (2) 10mm Lock Washers and (2) 10mm Hex Nuts, **(Fig 3)**. Snug but do not tighten hardware at this time.



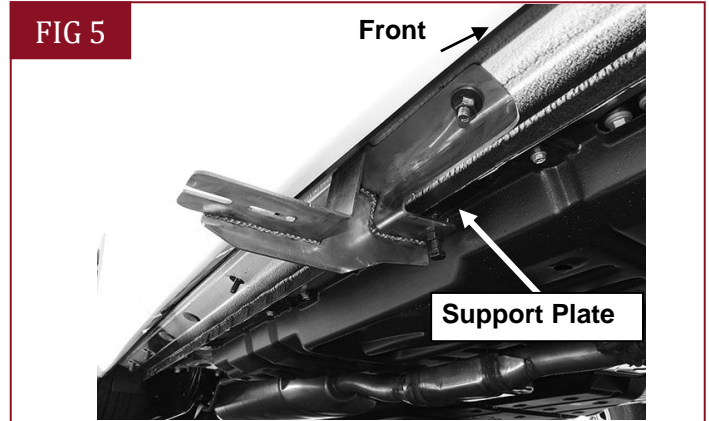
**(Fig 3) Attach passenger/right front Bracket to Bolt Plates**

## STEP 3

Next, select (1) Support Plate, (Fig 4). Thread (1) 10mm Hex Nut all the way down (1) 10mm Hex Bolt. Slide (1) 10mm Lock Washer and (1) 10mm Flat Washer onto the end of the Bolt. Screw the Hex Bolt a few threads into and through the Nut welded onto the back tab on the front Bracket. Insert the Support Plate with the welded socket facing down, into the space between the Front Bracket and the floor panel behind the pinch weld, (Figs 4 & 5). Tighten the Hex Bolt into the socket on the Support Plate until the Plate is close to but not touching the floor panel. Leave loose at this time.



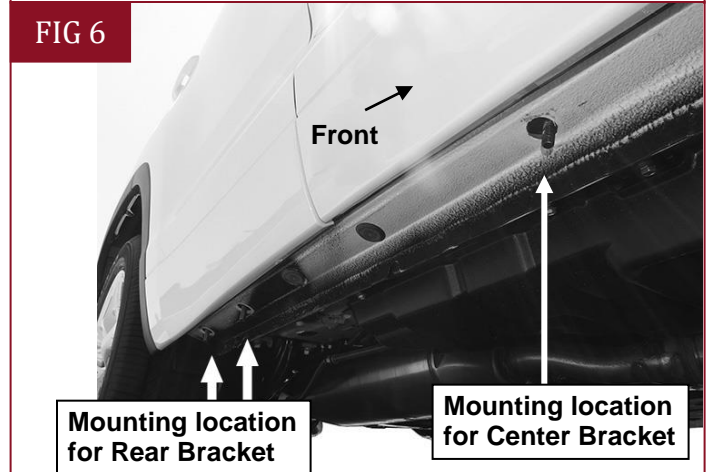
**(Fig 4) Attach Support Plate to passenger/right**



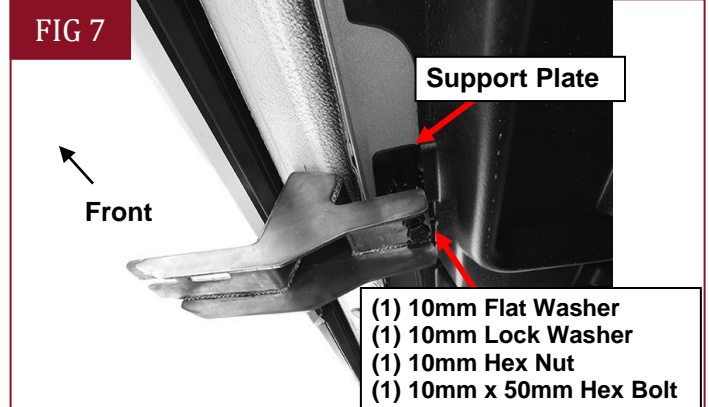
**(Fig 5) Passenger/right Front Bracket attached**

## STEP 4

Next, remove the rubber plug in the 5th (next) hole along the body panel. Repeat Steps 1—3 to install the center Bracket, (Figs 6 & 7).



**(Fig 6) Top view of passenger rear Bracket**

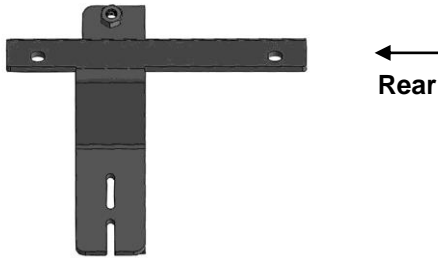


**(Fig 7) Center Bracket installation pictured**

## STEP 5

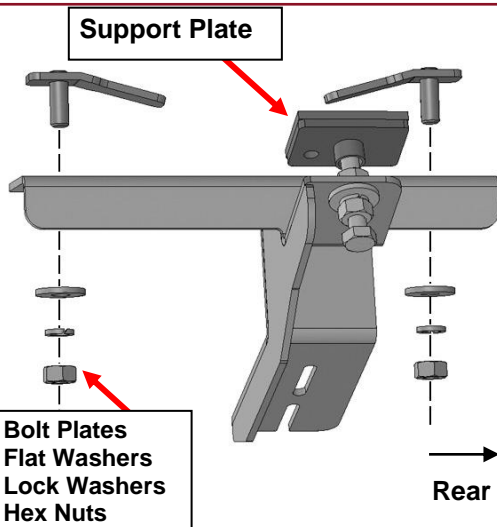
Continue along the body to the 8th and 9th, (last two along body), rubber plugs, (Fig 6). Repeat Steps 1—3 to install the passenger side rear Bracket, (Figs 8 & 9). **NOTE:** Rear Brackets are offset towards the rear of the vehicle, (Fig 8).

FIG 8



(Fig 8) Top view of passenger rear Bracket

FIG 9

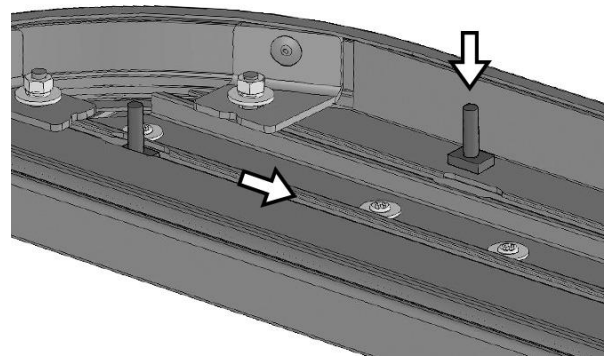


(Fig 9) Attach passenger/right rear Bracket to Bolt Plates

## STEP 6

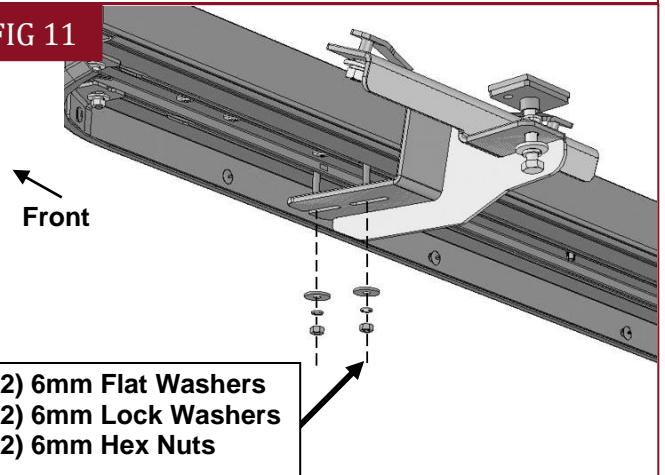
Carefully unwrap the passenger side Running Board. From the front, slide (3) T-Bolts into each channel in the bottom of the Running Board, (Fig 10). Slide the T-Bolts forward or back to line up with the slots in the (3) previously installed Mounting Brackets. Hold the Running Board up to the vehicle at a slight angle and gently push it into position against the rocker panel. Loosen Brackets if necessary. Insert the T-Bolts through the slots in the Brackets, (Fig 11).

FIG 10



(Fig 10) Insert 6mm T-Bolts into openings in end of slots on bottom of Running Board, Insert (3) T-Bolts into each slot

FIG 11



(Fig 11) Place Running Board on Brackets. Slide T-Bolts into position over Brackets. Guide T-Bolts down through Brackets

## STEP 7

Attach the Running Board to the Mounting Brackets with the included (6) 6mm Flat Washers, (6) 6mm Lock Washers and (6) 6mm Hex Nuts, (Fig 11). Leave hardware loose at this time.

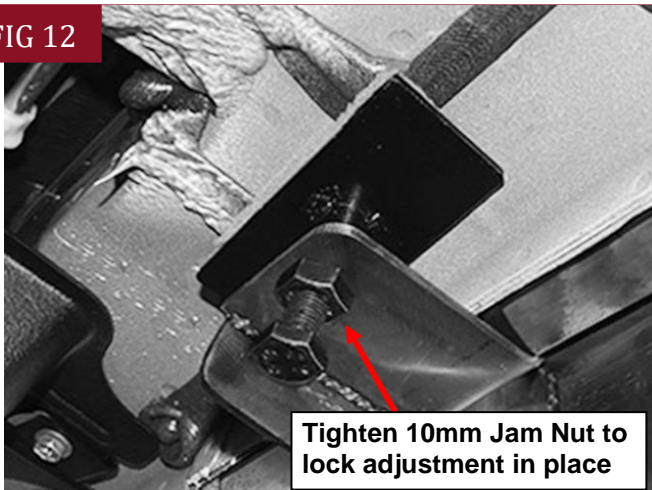


## STEP 8

Note that each Bracket has a small amount of height and angle adjustment.

- a. Check to see if the Running Board is level to the car, front to rear, not level to the ground. To adjust the height of the Bracket, loosen the 10mm Bracket hardware and slide the Brackets up or down the lower body panel. Once level, tighten the 10mm Bolt Plate to Bracket hardware only. The Hex Bolt on the back of the Mounting Bracket for the Support Plate should be completely loose at this time.
- b. Next, check for level to the ground, side to side only. If the outside edge of the running board is tilted down, tighten the long 10mm x 50mm Hex Bolts on the back of the (3) Mounting Brackets evenly until the Running Board is level, (**Fig 12**). If the Running Board is tilted up, loosen the Hex Bolt in the Support Plate a little until the Running Board is level. Once level, tighten all hardware.

FIG 12



(Fig 12) Tighten the 10mm x 50mm Hex Bolt against the Push Plate on each Bracket until the Bracket is level to the ground and Running Board. Once properly adjusted, tighten the 10mm Jam Nut to lock adjustment in place

## STEP 9

Repeat **Steps 1—8** for the driver side Running Board installation.

## STEP 10

Do periodic inspections to the installation to make sure that all hardware is secure and tight.

### Attention

To protect your investment, do not use any type of polish or wax that may contain abrasives that could damage the finish.

Mild soap may be used also to clean the Running Boards.