

**TOYOTA Tundra 2007 - STAINLESS STEEL STEP BOARD**

Part Number: D-Cab 00016-34700 / Code:TR1  
 D-Cab XSP 00016-34727 / Code: TR5

Part Number: Crew Max: 00016-34701 / Code: TR1  
 Crew Max XSP: 00016-34728 / Code: TR5



**Kit Contents**

Item #	Quantity Req'd.	Description
1	2	Front Bracket with Clip (#1)
2	2	Rear Brackets with Clip (#2)
3	4	Rear Brackets with Clip (#3-4)
4	1	Challenger Board (L)
5	1	Challenger Board (R)
6	1	Hardware Bag
7	1	Installation Instructions

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1	18	8mm Hex Bolt
2	18	8mm Lock Washer
3	18	8mm Flat Washer

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description
1	1	Wiping cloth, non-scratch

**Conflicts**

Factory Running Board (Factory Code: KG)

**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Eye Protection	
<b>Special Tools</b>	<b>Notes</b>
Utility Knife	
<b>Installation Tools</b>	<b>Notes</b>
12mm deep socket	Corresponding drive tool
13mm deep socket	Corresponding drive tool
Torque Wrench	18 lbf-ft
<b>Special Chemicals</b>	<b>Notes</b>

**General Applicability**

Applicable to all Tundra's with out factory running board.

**Recommended Sequence of Application**

Item #	Accessory
1	

\*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.

**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 consistent quality.

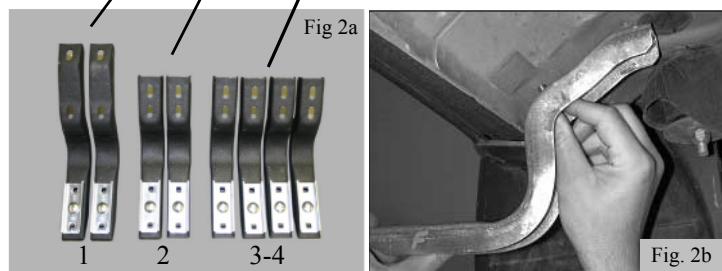
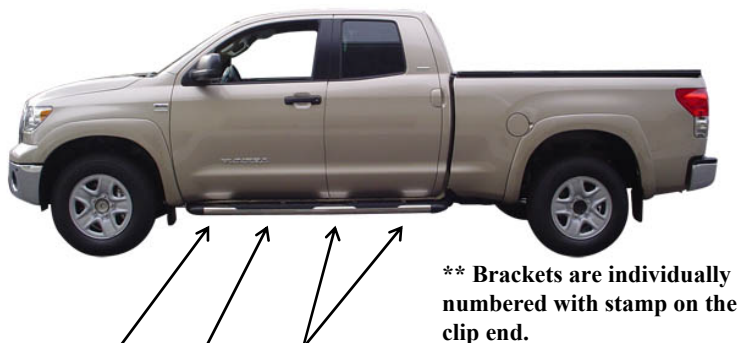
**Procedure**

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.).



Driver and Passenger brackets shown in above picture / 4 brackets per side.

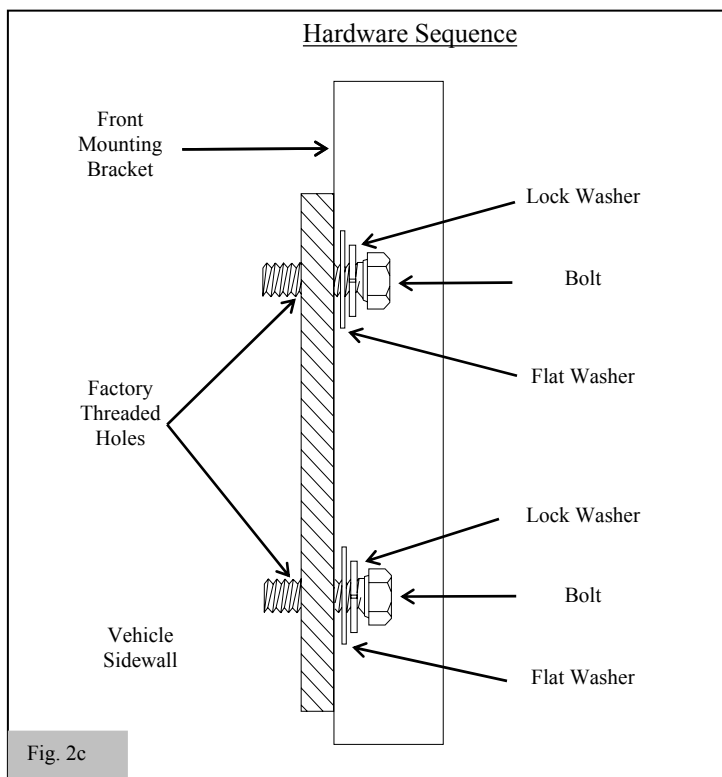






Fig. 2c



**1 Pre-installation Preparation**

-  (a) Remove the protective wrapping from both ends of the Step Boards prior to installation.
- (b) Verify Kit and Hardware Bag quality and contents. *\*\* Brackets stamped "2" and "3-4" look similar. Make sure to verify these markings.*

**NOTE:** Due to the generic nature of the hardware kits, some "extra" hardware may be present. Please save this hardware for future use in case of loss or damage.

-  (c) Wear eye protection.
-  (d) Ensure all application areas are free from any dirt and debris that may damage the surface of the product or vehicle.
-  (e) Using a 12mm socket, remove and discard fourteen (14) OE hex bolts from underneath vehicle.

**2 Front Mounting Bracket (#1) Installation**

-  (a) The front brackets are longer than the other brackets and can be installed on either side of the vehicle. (Fig. 2a - #1)
- (b) Align the front bracket holes to the 8mm threaded factory sidewall holes and install supplied bolts. (Fig. 2b)
- (c) Install and snug the bolts, lock washers, and flat washers to the factory-threaded holes (loose enough so the bracket can still slide). (Fig. 2c)
-  (d) Do not tighten hardware at this time.

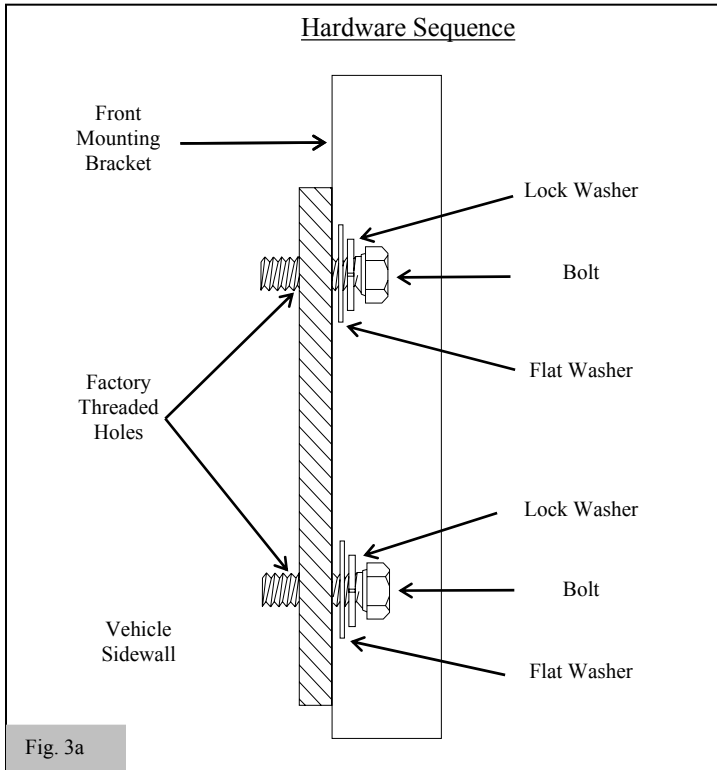


Fig. 3a

**3 Bracket (#2) Mounting Installation**



- (a) Brackets (#2) should be mounted behind (#1). Brackets (#3-4) are universal and can be installed in either of the 2 rear positions behind (#2).
- (b) Align bracket (#2) holes to the threaded factory sidewall holes and install supplied bolts.
- (c) Install and snug the bolts, lock washers, and flat washers to the factory threaded holes (loose enough so the bracket can still slide). (Figure 3a).
- (d) Do not tighten hardware at this time.

**4 Bracket (#3-4) Mounting Installation**



- (a) Align bracket (#3-4) holes to the threaded factory sidewall holes and install supplied bolts.
- (b) Install and snug the bolts, lock washers, and flat washers to the factory threaded holes (loose enough so the bracket can still slide). (Figure 3a).
- (c) Do not tighten hardware at this time.

**5 Step Board Installation**



- (a) Lift and rotate the Pinch Clips 90 degrees so that they are perpendicular to the Brackets. (Figure 4a)
- (b) Position the appropriate Step Board over the Mounting Brackets.
  - (1) Left (Driver Side) Board is marked with an **Orange** sticker.
- (c) Carefully lower the board so that the Pinch Clips rest in the channel in the bottom of the Step Board. (Fig 4b)
- (d) Lift and rotate the Pinch Clips 90 degrees so they are parallel with the Brackets. (Fig 4c)
  - (1) Make sure that the tabs on the Pinch Clip drop into the slots in the Bracket.
  - (2) Make sure all (4) Pinch Clips are correctly engaged to their respective Brackets

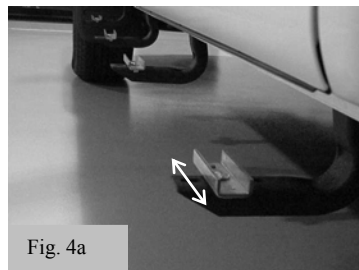


Fig. 4a

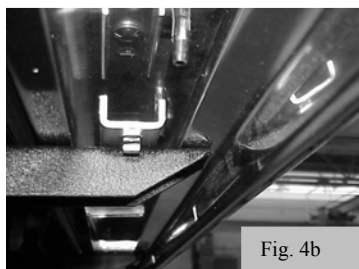


Fig. 4b

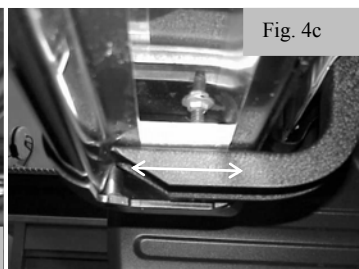


Fig. 4c

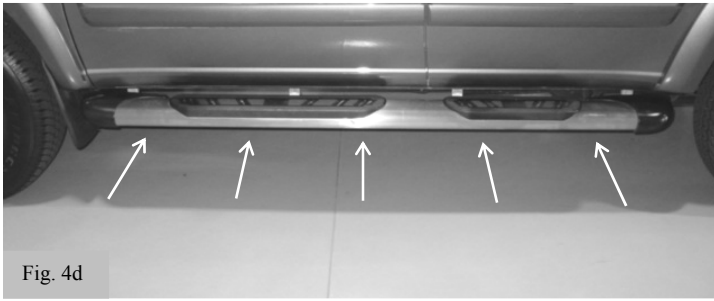


Fig. 4d



(e) Position the Step Board all the way inboard. (Fig. 4d)

(f) Tighten the front and rear most bracket to vehicle hardware.

(1) The brackets should mount flush to the vehicle side wall.

(2) Push the bracket assembly up and tighten the bottom bolt first



(3) Make sure the front edge of step board is aligned (+/- 3mm) to the rear edge of front fender.

(g) Tighten the remaining center brackets to step board.

(h) Finally, tighten the remaining center bracket's to vehicle.



(i) Torque the bracket to vehicle hardware to 18 lbs-ft.



(j) Torque the step board to bracket hardware to 18 lbs-ft.

## 5 Clean and Check



(a) The Step Board should not contact any vehicle painted surfaces. If necessary, loosen all bolts, adjust the Brackets as required and re-tighten the bolts to specified torque values. (Figs. 5a &5b)

(b) Clean any fingerprints or dirt with a damp non-scratch cloth.

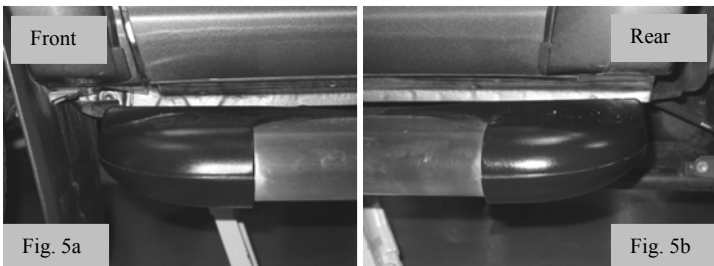


Fig. 5a

Fig. 5b

**TOYOTA TUNDRA**

**STAINLESS STEEL STEP BOARD**

Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

- Board alignment
- Board tightened properly

Torque

Verify board alignment straight and even

Torque specifications followed

Torque the “Bracket to vehicle” 18 ft. lbs.  
Inspection range 13.5 ft. lbs ~27 ft. lbs  
(-25% / +50%)

Torque the “ Step board to bracket” - verify correct torque 18ft .lbs is used during installation.

Note: Range provided by QA