

Preparation

**Part Number: PT392-34090**

**Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Linkage Assembly
2	1	Mounting Bracket
3	1	Step Pad
4	1	Hardware Bag

**Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	2	M10 Hex Bolt
2	2	Washer
3	3	1/4-20 x 1" SHCS
4	3	1/4-20 Nut Plate

**Additional Items Required For Installation**

Item #	Quantity Reqd.	Description
1		

**Conflicts**

1) Accessory Hitch (Factory Hitch is OK)
2) Resin Bumper

**Recommended Tools**

Personal & Vehicle Protection	Notes
Safety Glasses	
Special Tools	Notes
None	
Installation Tools	Notes
Ratchet Wrench	
3" Extension	
19mm Socket	
17mm Socket	
3/16 Allen Wrench	
Torque Wrench	0-150 lbf-ft
Special Chemicals	Notes

**General Applicability**

All Tundras
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**Recommended Sequence of Application**

Item #	Accessory
1	


\*Mandatory


**NOTE:** Part number of this accessory may not be the same as the part number shown.


**Vehicle Service Parts** (may be required for reassembly)


Item #	Quantity Reqd.	Description
1		
2		
3		


**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.

**Procedure**

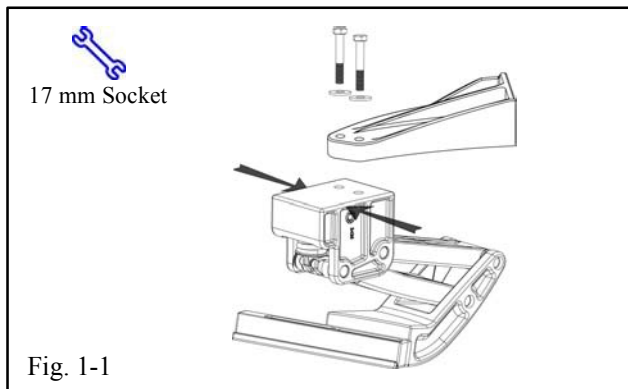
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.).

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

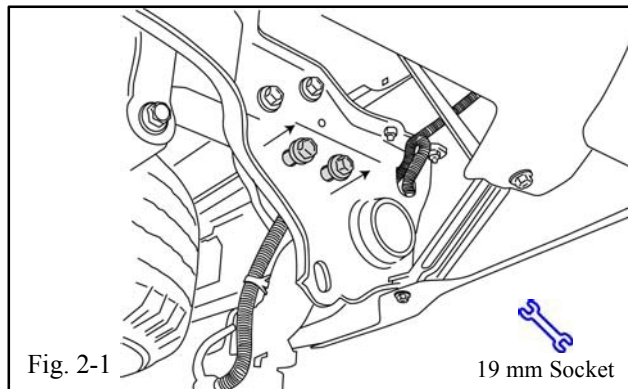


**1. Assemble Linkage to Mounting Bracket.**

- (a) With Linkage Assembly secure in vice at points indicated by the arrows, bolt Linkage Assembly to Mounting Bracket and torque Hex Bolts to 44N·m (33 ft-lbs) ±4N m. (Fig. 1-1)

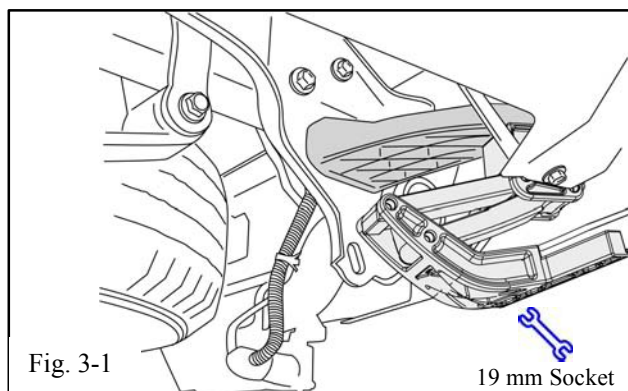


- (1) Keep Linkage Assembly in closed (or stowed) position.
- (2) Protect (cover) part with cloth when placed in vice for paint damage.



**2. Locate and Prepare Mounting Point.**

- (a) Locate rear bumper attachment point on driver side. (Fig. 2-1)
- (b) Remove two bumper fasteners with ratchet wrench and 19mm socket. (Fig. 2-1)



**3. Install Bumper Step Assist to Mounting Point**

- (a) Rotate Bumper Step Assist assembly into position and install mounting bracket using factory fasteners.
- (1) Keep linkage assembly in lowered position. (Fig 3-1)



- (2) Torque fasteners to 152 N m (112 ft-lbs) ±15N·m.

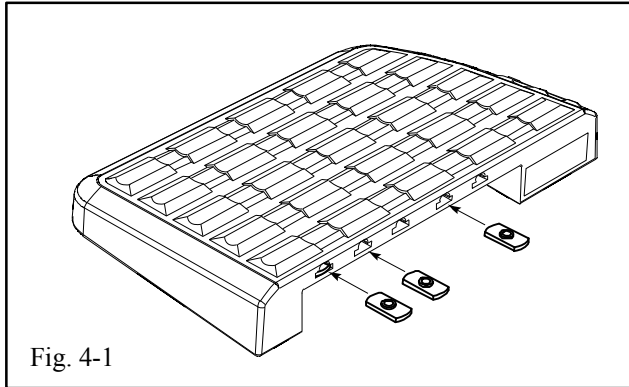


Fig. 4-1

#### 4. Prepare for Step Pad Installation

- (a) Push Linkage Assembly into lowered position.
- (b) Insert three Nut Plates into designated slots. (Fig. 4-1)
  - (1) Raised lip of nut plate faces upward.
  - (2) Use first, second, and fourth slots only.

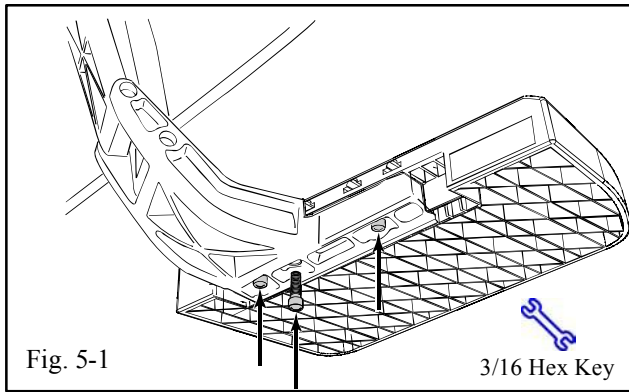


Fig. 5-1

#### 5. Install Step Pad

- (a) Locate Step Pad onto mount of Linkage Assembly.
  - (1) Step Pad interface allows two positions... use position that extends step pad most outboard. (Fig. 5-1)
  - (2) This allows foot access for deploying step. (Fig. 5-2)
- (b) Insert cap screws into corresponding holes (first, second, and fourth) and torque to 8 N m (6 ft-lbs)  $\pm$ 1.5 N m. (Fig. 5-1)

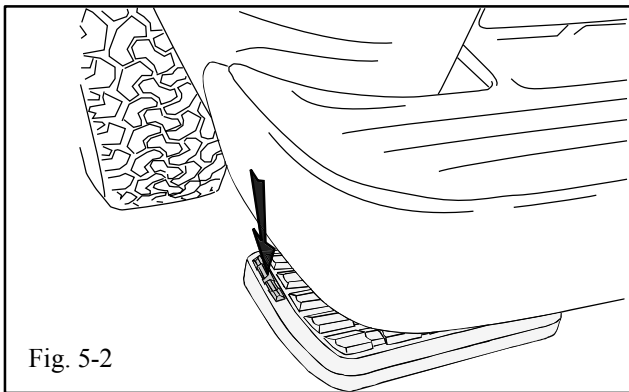


Fig. 5-2

**TOYOTA TUNDRA 2007 - BUMPER STEP ASSIST**  
Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Accessory Function Checks

- Torque adjustment of bracket mounting bolts
  
- Torque adjustment of bracket/linkage assembly bolts.
  
- Step Pad Position
  
  
  
  
  
  
  
  
  
  
- Torque adjustment of Step Pad screws

Look For:

Bracket mounting bolts must be tightened to 40-48 N·m (30-36 ft-lbs.)

Bracket mounting bolts must be tightened **||** to 137-167 N·m (101-123 ft-lbs.)

Ensure foot access for deployment. Step deploys with downward force to left leading corner (indication by raised grip section).

Step Pad screws must be tightened to 6.5-9.5 N m (5-7 ft-lbs.)