

**Part Number: PT228-34074****Kit Contents**

Item #	Quantity Req'd.	Description
1	1	Trailer Hitch
2	1	Trailer Hitch Plug
3	2	Mounting Brackets

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1	12	M12 x 35 Hex Flange Bolt
2	4	M14 x 30 Hex Flange Bolts

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description

**Conflicts**

Resin Bumper Towing Hitch
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
Safety Glasses	
<b>Special Tools</b>	<b>Notes</b>
<b>Installation Tools</b>	<b>Notes</b>
1/2" Socket wrench	
1/2" x 6" socket extension	
1/2" Socket	19 mm
1/2" Socket	17 mm
Torque Wrench	0 – 100 lbf-ft 0 – 124 lbf-in
3/8" Socket wrench	
3/8" Socket	10 mm
3/8" x 6" socket extension	
<b>Special Chemicals</b>	<b>Notes</b>

**General Applicability**

For vehicles without a tow package
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**Recommended Sequence of Application**

Item #	Accessory
1	Trailer Hitch
2	Mounting Brackets
3	Wire Harness

\*Mandatory

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

Item #	Quantity Req'd.	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. Prepare for the Installation.



(a) Verify kit contents



(b) Wear Safety Glasses.



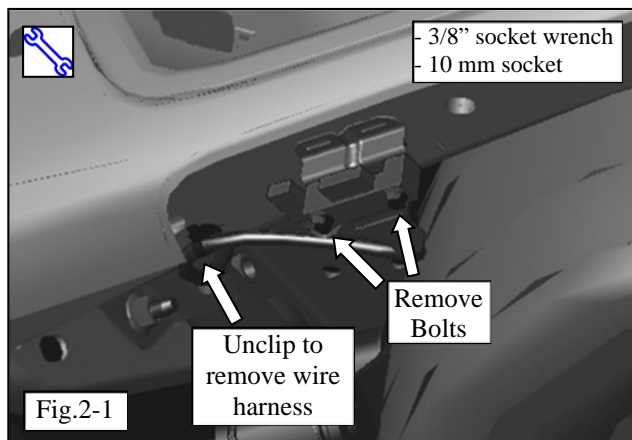
**CAUTION:** Muffler might be hot.

### 2. Prepare the Vehicle for Tow Hitch Installation.

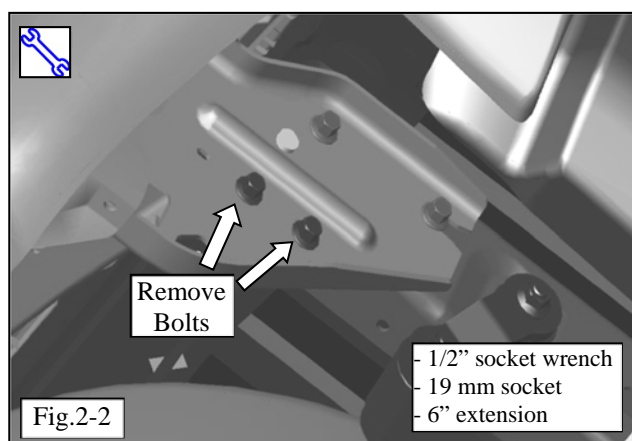
(a) Protect the exhaust pipe with a rag or protective tape.

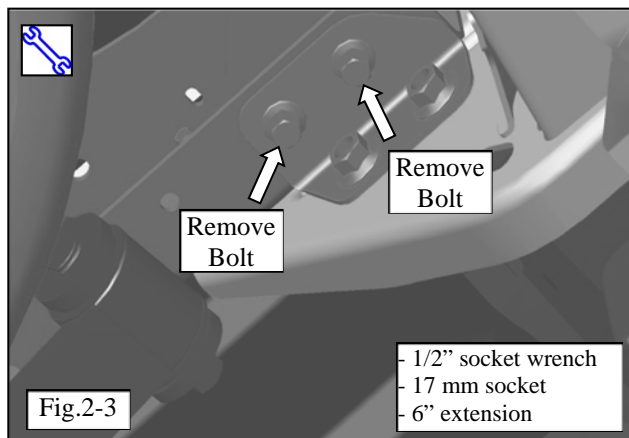
(b) Unclip the wire harness from the clip in the bottom of the drawbar (Fig. 2-1)

(c) Remove two (2) M6 bolts from the 4 Pin wire harness bracket on the rear bumper. Keep and set the bolts aside for later use. Tuck the harness up above the spare tire (Fig. 2-1).



(d) Remove two (2) M14 bolts per side (LH/RH) from the rear bumper drawbar on the rear bumper. Keep and set the bolts aside for later use (Fig. 2-2).





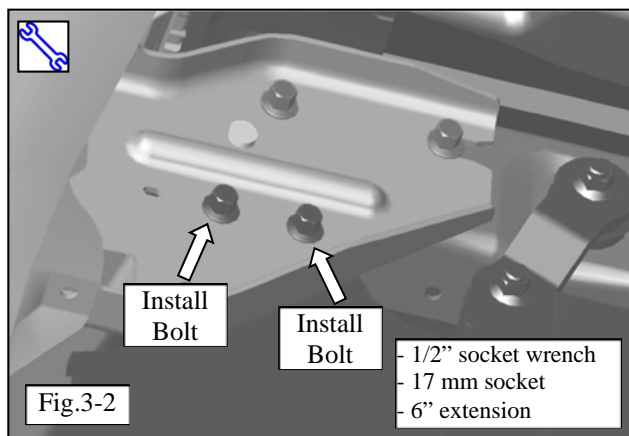
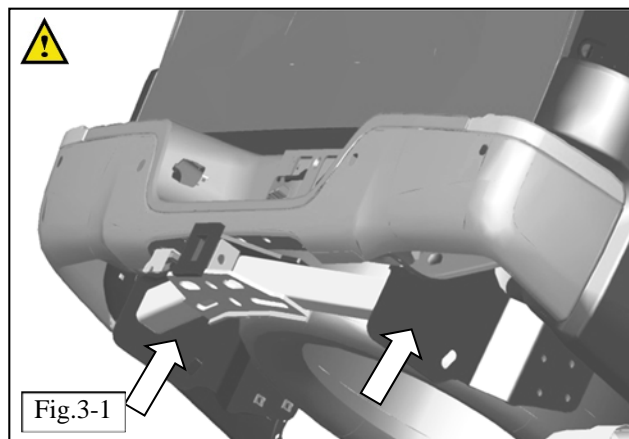
(e) Remove two (2) M12 bolts per side (LH/RH) from the frame brackets on the inside of the rear bumper drawbar (4 bolts total) (Fig. 2-3).

(f) Remove and discard both frame brackets

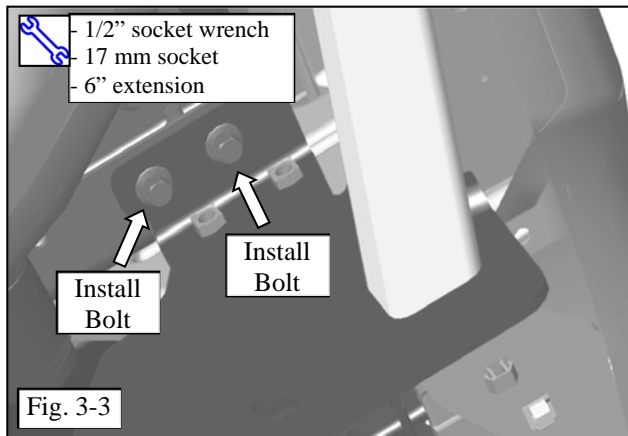
### 3. Install the Hitch.

(a) Lift the Towing Hitch into place between the tie plate brackets on the rear bumper drawbar (Fig. 3-1).

**+ NOTE: This step requires two people.**

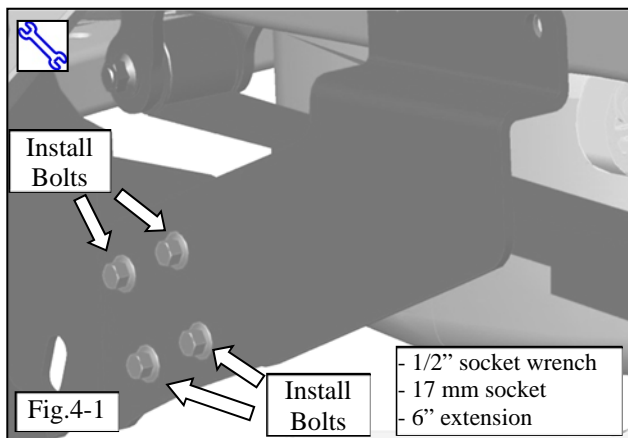


(b) Install the two (2) M14 bolts taken from step (2c) through the outside holes on the rear bumper drawbar tie plates. Repeat on opposite side (LH/RH) (Fig. 3-2).

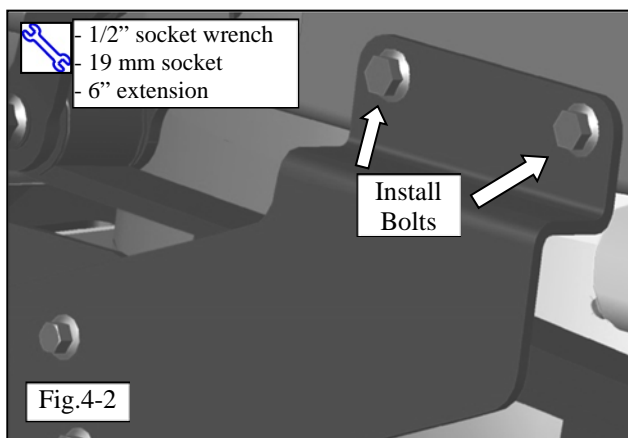


- (c) Install two (2) M12 bolts through the 14 x 20 mm slots on the tie plates, into the bottom of the frame on both sides (LH/RH) (Fig. 3-3).

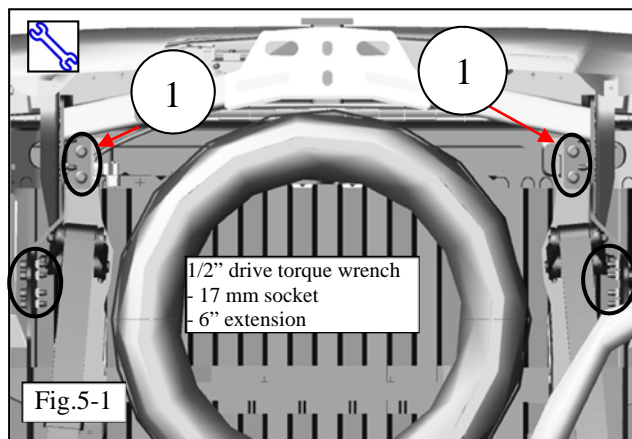
#### 4. Install the Mounting Brackets.



- (a) Align the RH Mounting Bracket in place against the hitch and the side of the frame rail. Install four (4) M12 bolts through the holes on the Mounting Bracket to the tie plates. Repeat for the LH side (Fig. 4-1).



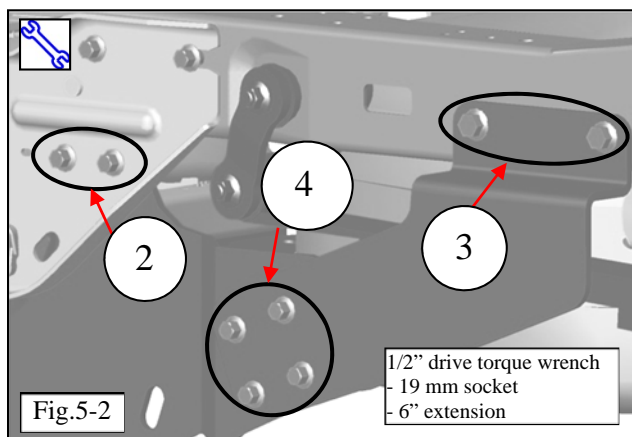
- (b) Install two (2) M14 bolts through the outside holes on the RH Frame bracket to into the side of the frame rail on the RH side. Repeat on the LH side (Fig. 4-2).



## 5. Tighten the Hitch Bolts.

- (a) Tighten four (4) M12 x 35 bolts labeled (1) to 81 N·m (60 lbf·ft) (Fig. 5-1).

**Torque: 81 N·m (60 ft·lbf)**



- (b) Tighten four (4) M14 x 30 bolts labeled (2) to 114 N·m (84 ft·lbf) (Figs. 5-2 and 5-3).

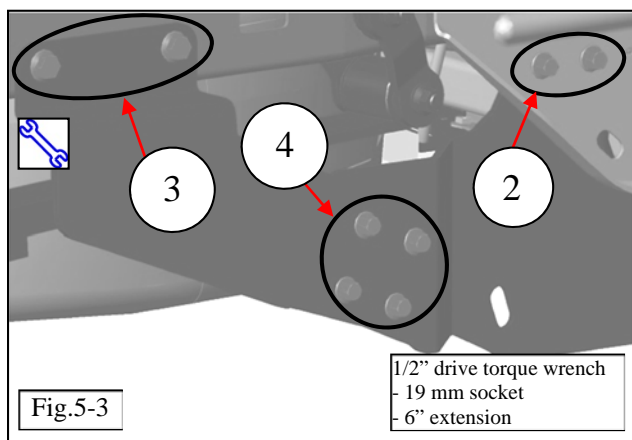
**Torque: 114 N·m (84 ft·lbf)**

- (c) Tighten four (4) M14 x 30 bolts labeled (3) to 114 N·m (84 ft·lbf) (Figs. 5-2 and 5-3).

**Torque: 114 N·m (84 ft·lbf)**

- (d) Tighten eight (8) M12 x 35 bolts labeled (4) to 81 N·m (60 lbf·ft) (Figs. 5-2, and 5-3).

**Torque: 81 N·m (60 ft·lbf)**



6. Reinstall the 4-Pin Wire Harness.

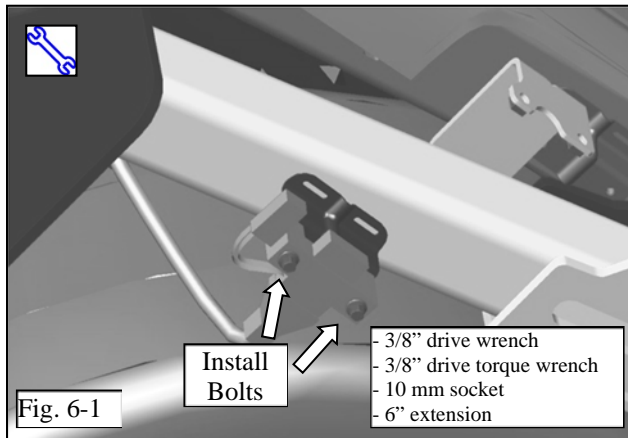


**NOTE: THIS STEP DOES NOT APPLY TO MY15 VEHICLES.**

- (a) Pull the wire harness down and attach it to the 4-Pin Wire Harness bracket on the hitch using the two (2) M6 bolts (Fig. 6-1).
- (b) Tighten the M6 bolts to 5.5 N·m (49 in·lbf) (Fig. 6-1).




**Torque: 5.5 N·m (49 in·lbf)**

- (c) Remove the cloth or tape from the exhaust pipe.



# TOYOTA TUNDRA 2007 - TOWING HITCH (Steel Bumper)

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

Check:	Look For:
<u>Accessory Function Checks</u> <ul style="list-style-type: none"><li><input type="checkbox"/> Perform Visual check of Trailer Hitch</li><li> <input type="checkbox"/> Inspect torque (M12 bolts)</li><li> <input type="checkbox"/> Inspect torque (M14bolts)</li><li> <input type="checkbox"/> Inspect torque (M6 bolts)</li><li><input type="checkbox"/> Hitch plug.</li></ul>	<p>No visible gaps between mating parts or loose bolts.</p> <p>81.4 N-m (60 lbf-ft)</p> <p>114 N-m (84 lbf-ft).</p> <p>5.5 (49 lbf-in)</p> <p>Placed in glove box.</p>
<u>Vehicle Function Checks</u> <p>N/A</p>	
<u>Vehicle Appearance Check</u> <ul style="list-style-type: none"><li><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</li></ul>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p> <p>(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>