

Part Number: PT791-0T097

Kit Contents

| Item # | Quantity Reqd. | Description |
|--------|----------------|----------------------|
| 1 | 1 | Hitch Center Section |
| 2 | 1 | Aux Bracket, LH |
| 3 | 1 | Aux Bracket, RH |
| 4 | 1 | Hardware Kit |
| 5 | 1 | Hitch Box Plug |
| | | |

Hardware Bag Contents

| Item # | Quantity Reqd. | Description |
|--------|----------------|---|
| 1 | 15 | Hex Head Bolt, M10 x 1.25 x 40 Class 10.9 |
| 2 | 2 | Spacer |
| | | |

Additional Items Required For Installation

| Item # | Quantity Reqd. | Description |
|--------|----------------|-------------|
| 1 | | |
| | | |

Conflicts

| |
|--|
| |
|--|

Recommended Tools

| | |
|--|-------------------------|
| Personal & Vehicle Protection | Notes |
| Safety Glasses | |
| Vehicle Protection | Cloth/Rag |
| | |
| Special Tools | Notes |
| None | |
| | |
| Installation Tools | Notes |
| Ratchet | 3/8" Drive |
| Socket | 14mm, 17mm |
| Socket Extension | 6" |
| Wrench | 17 mm |
| Torque Wrench | 0-100 lbf-ft |
| Nylon Label Peeler | |
| Exhaust Hanger Removal Tool | e.g. Snap-on p/n Ya3202 |
| | |
| Special Chemicals | Notes |
| None | |
| | |

General Applicability

| |
|-----|
| All |
|-----|

Recommended Sequence of Application

| Item # | Accessory |
|--------|---------------|
| 1 | *Wire Harness |
| 2 | Hitch |
| 3 | |
| | |

*Mandatory

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.



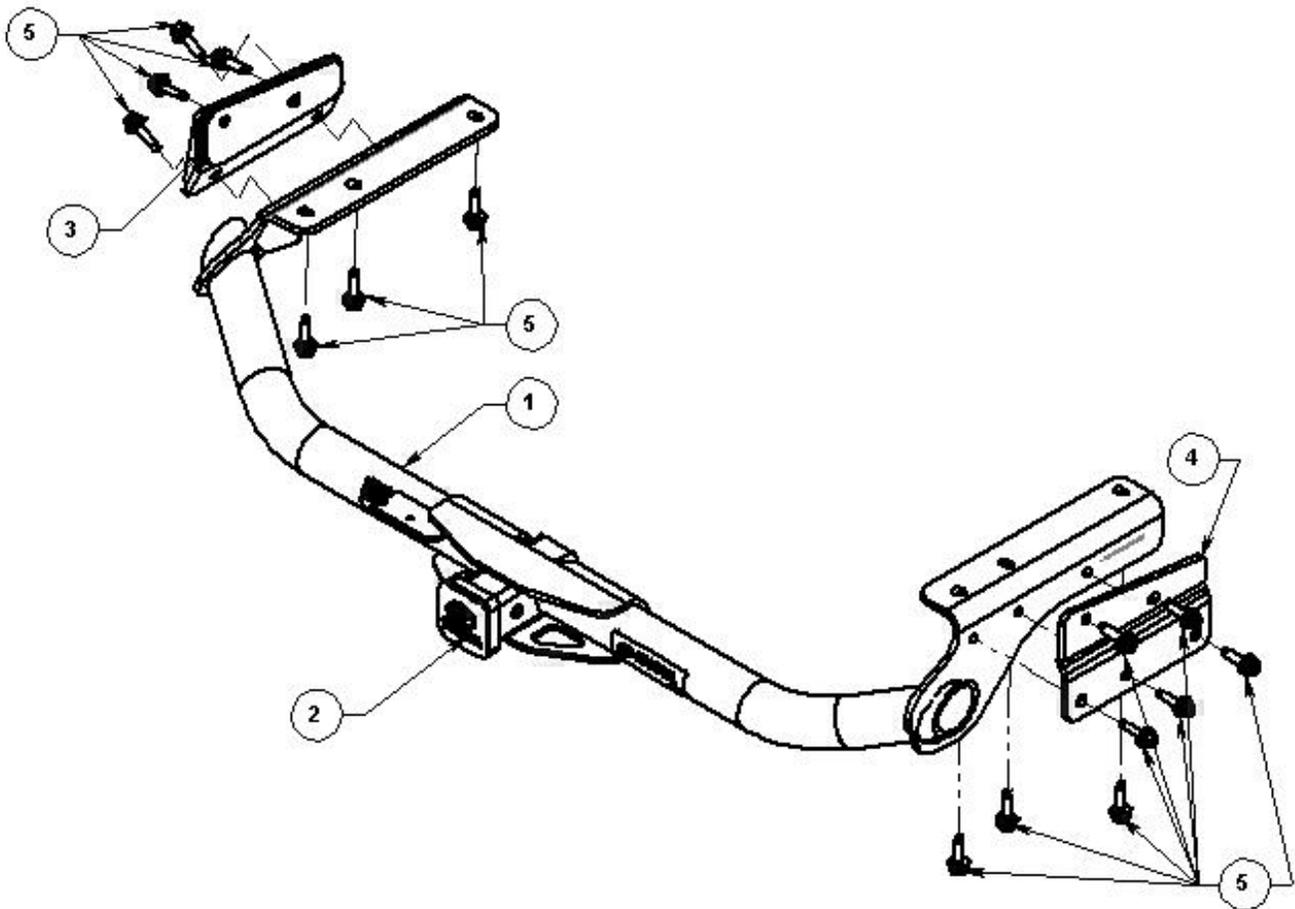
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:-

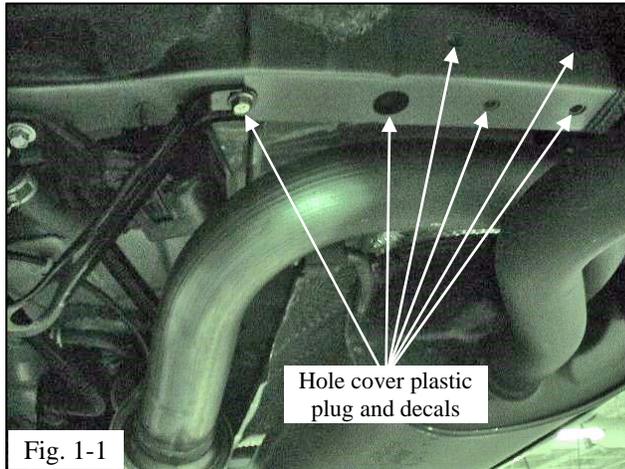
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

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



| ITEM | DISCRIPTION | ITEM | DISCRIPTION |
|------|--------------------------------------|------|-------------------------|
| 1 | Tow Hitch, Center | 2 | Hitch Box Plug |
| 3 | Aux Bracket, Left Hand | 4 | Aux Bracket, Right Hand |
| 5 | 10mm x 1.25 x 40 Hex Head Class 10.9 | 6 | |

⚠ NOTE: BALL MOUNT AND BALL MUST BE ORDERED SEPARATELY. CONSULT YOUR AUTHORIZED TOYOTA DEALER FOR INFORMATION ON PROPER TRAILER BALL SIZE AND RATING.



1. Prepare the Vehicle for Tow Hitch Installation.

STOP (a) Verify the kit contents.

+ (b) Wear safety glasses.

(c) Remove the hole cover plastic plug and decals that cover the hitch mounting holes (Fig. 1-1).

! **NOTE:** The picture shows an AWD model with a sway bar bracket. Remove the bolt (far left arrow) and bracket to access the fastener hole. On FWD models, remove the decal that is in place of the sway bar bracket bolt.

(d) Excess body sealant may require removal of sealant before continuing the installation. Protect any bare areas with 3M™ Auto body sealant.

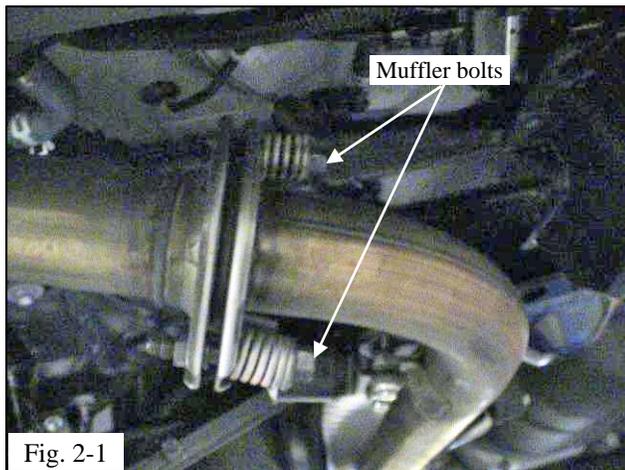
2. Remove Components.

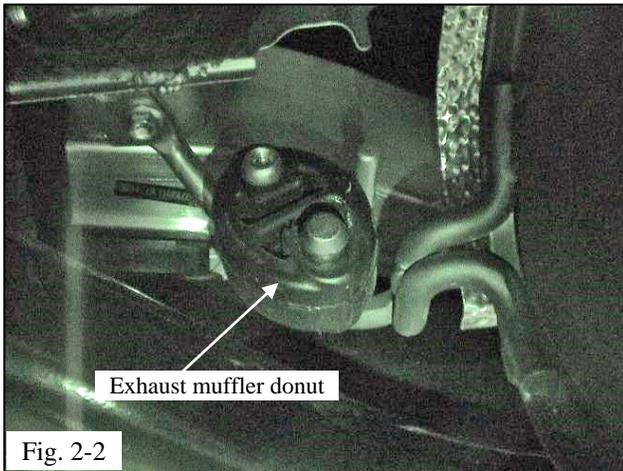
+ (a) Caution, the muffler may be hot.

(b) Lift the vehicle.

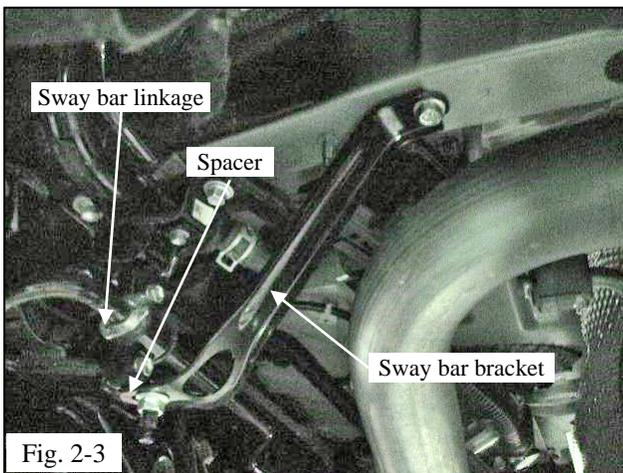
(c) Remove the muffler.

(1) Remove the muffler bolts (Fig. 2-1).





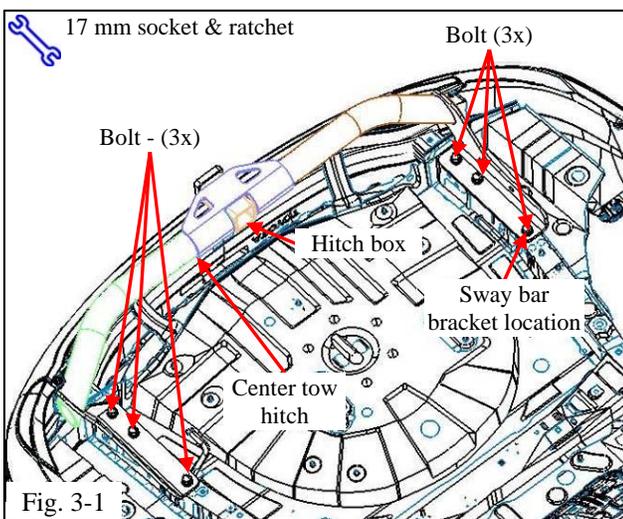
- (2) Remove the four (4) rubber exhaust donuts that support the tail pipe and muffler (Fig. 2-2).
- (3) Remove the muffler from the vehicle.



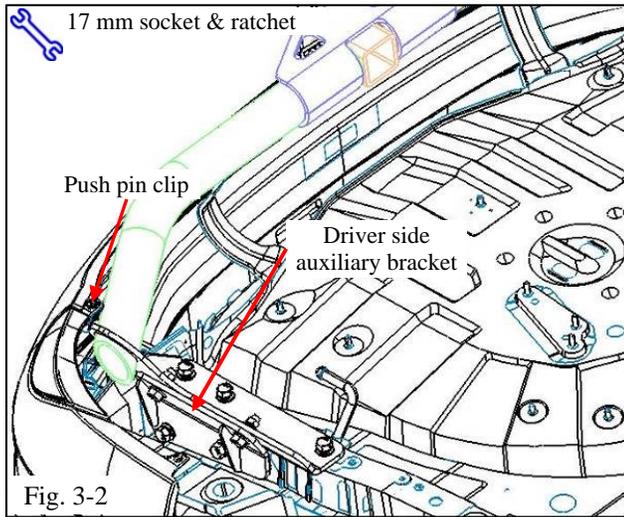
- (d) **AWD Only:** Remove the sway bar brackets (Fig 2-3).

3. Install the Hitch.

- (a) Install the center tow hitch.
 - (1) Raise the center tow hitch section into position.



- (2) Place six (6) supplied M10 hex head bolts through the side brackets on the driver side and passenger side into the chassis (Fig 3-1).
- (3) Hand tighten the M10 hex head bolts.
- (4) Slide the hitch to vehicle forward and center the hitch with the rear of the vehicle.



(b) Install the driver side auxiliary bracket.

- (1) Place two (2) supplied M10 hex head bolts through the auxiliary bracket on the driver side into the outboard side of the chassis (Fig. 3-2).

⚠ (2) AWD Only: Reinstall the sway bar bracket now. Position the bracket between the flat washer and the tow hitch. Add a spacer between the bracket and the sway bar linkage (Refer to Fig. 2-3).

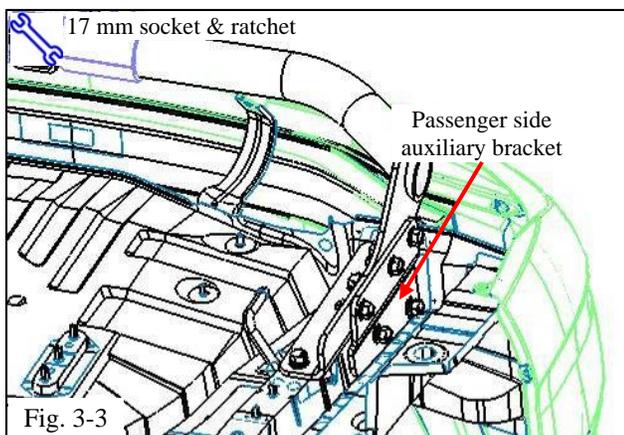
- (3) Hand tighten the M10 hex head bolts.
- (4) Match the holes on the auxiliary bracket to the hitch center section.
- (5) Install two (2) M10 hex head bolts through the auxiliary bracket on the driver side through the holes on the hitch center section.

(c) Install the passenger side auxiliary bracket.

- (1) Place two (2) supplied M10 hex head bolts through the auxiliary bracket on the passenger side into the outboard side of the chassis (Fig. 3-3).

⚠ (2) AWD Only: Reinstall the sway bar bracket now. Position the bracket between the flat washer and the tow hitch. Add a spacer between the bracket and the sway bar linkage (Refer to Fig. 2-3).

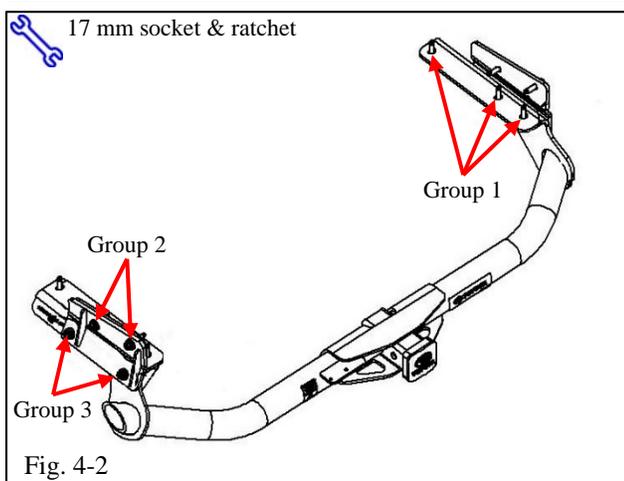
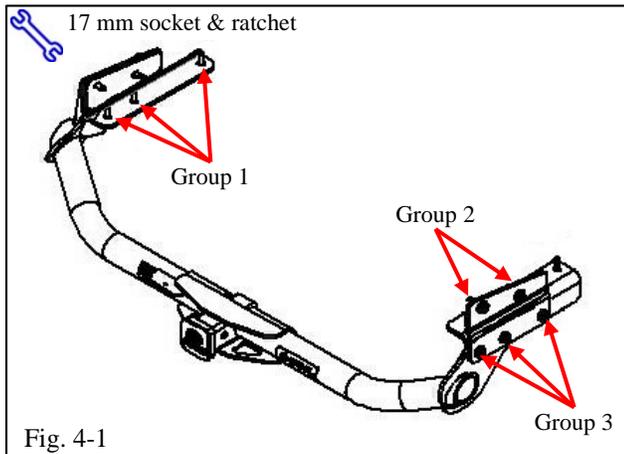
- (3) Hand tighten the M10 hex head bolts.



- (4) Match the holes on the auxiliary bracket to the hitch center section.
- (5) Install two (2) M10 hex head bolts through the auxiliary bracket on the passenger side through the holes on the hitch center section.

4. Complete the Installation.

- (a) Check the hitch and bumper alignment to the body to ensure an even gap and that the hitch box is level.
- (b) Torque all M10 fasteners to 52 N·m (38 lbf-ft). See Fig. 4-1 & 4-2 for the torque sequence.
 - (1) Start with Group 1 – Center tow hitch side brackets vertical fasteners.
 - (2) Then move to Group 2 – Horizontal auxiliary brackets to chassis.
 - (3) Then Group 3 – Horizontal auxiliary bracket to center tow hitch side brackets.



S Torque: 52 N·m (38 ft·lbf)

- (c) **AWD Only:** Torque the sway bar bracket fasteners to 35 N·m (26 ft·lbf).

S Torque: 35 N·m (26 ft·lbf)

- (d) Reinstall the muffler. Torque the muffler fasteners to 43 N·m (32 lbf-ft).

Torque: 43 N·m (32 ft·lbf)

- (e) **4-cylinder Only:** Replace the push pin clip with a supplied push pin clip (See Fig. 3-2).

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

| <u>Check:</u> | <u>Look For:</u> |
|---|--|
| <p><u>Accessory Function Checks</u></p> <ul style="list-style-type: none"><input type="checkbox"/> Perform visual check of towing hitch<input type="checkbox"/> Hitch plug<input type="checkbox"/><input type="checkbox"/> | <p>No visible gaps between mating parts or loose components.</p> <p>Place in glove box</p> |
| <p><u>Vehicle Function Checks</u></p> <ul style="list-style-type: none"><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> | |
| <p><u>Vehicle Appearance Check</u></p> <ul style="list-style-type: none"><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection. | <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> |