

**Part Number: PT908-48111**

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

**Kit Contents**

Item #	Quantity Req'd.	Description
1	2	Front Mud guard
2	2	Rear Mud guard
3	1	Hardware bag

**Hardware Bag Contents**

Item #	Quantity Req'd.	Description
1	4	#10 x 23mm self-piercing screw
2	4	#10 nut spring
3	2	M6 x 22 bolt
4	2	M6 nut spring
5	2	M6 x 23 push pin fastener

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description

**Conflicts**

None
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**Recommended Tools**

<b>Personal &amp; Vehicle Protection</b>	<b>Notes</b>
None	
<b>Special Tools</b>	<b>Notes</b>
None	
<b>Installation Tools</b>	<b>Notes</b>
Ratchet	1/4"
6" extension	1/4" drive
Hex Socket	10mm
Hex Socket	8mm
Hex wrench	4mm
Nylon Pry Tool	
Lint Free Cloth	
<b>Special Chemicals</b>	<b>Notes</b>
Cleaner	VDC approved cleaner and cleaning method

**General Applicability**

All 2011 Highlander Regular and Hybrid vehicles
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**Recommended Sequence of Application**

Item #	Accessory

\*Mandatory

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

Item #	Quantity Req'd.	Description

**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.

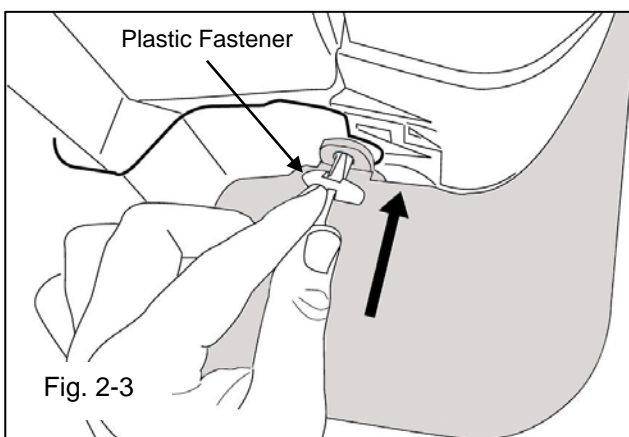
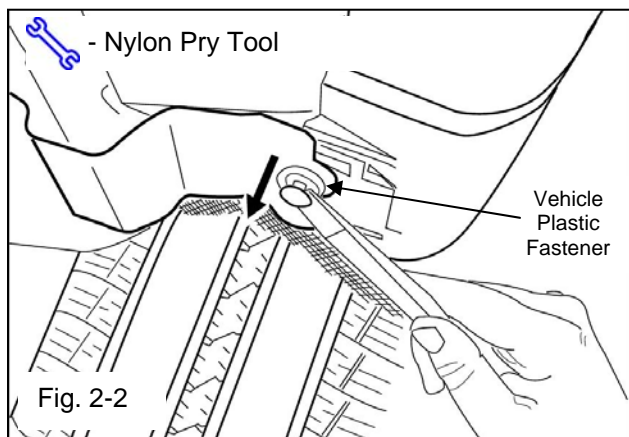
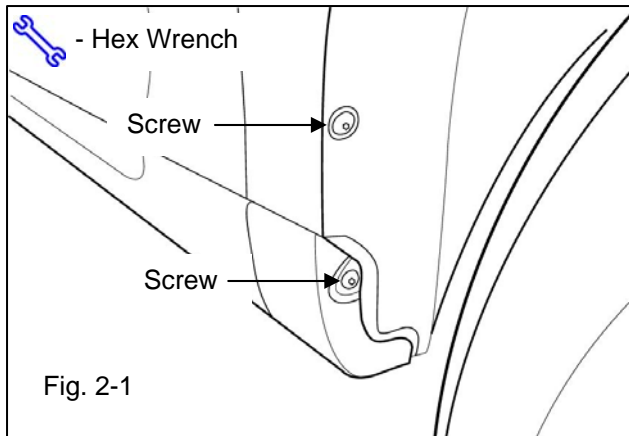
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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.

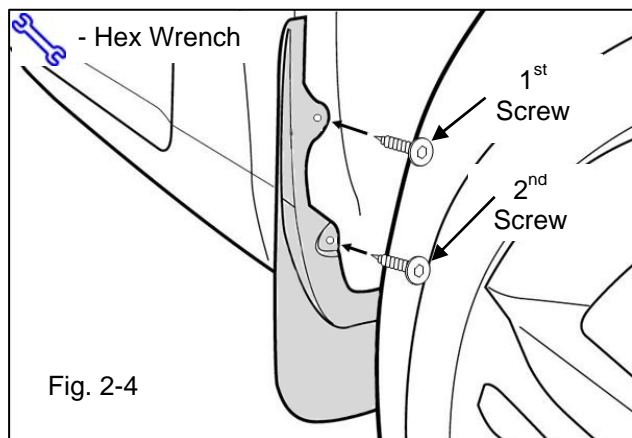


## 1. Clean Mudguard Mounting Areas.

- (a) Clean and degrease front and rear body panels where mudguard is to be located using VDC approved cleaner and cleaning method.

## 2. Installation of Front Mudguard

- (a) Starting with the passenger side front wheel well, remove the two socket head screws and retain. (Fig 2-1)
- (b) Using the nylon pry tool, remove and discard the vehicle's bottom plastic fastener as shown. (Fig 2-2)
- (c) Position front mud guard in place and align the three mounting locations. Insert the plastic fastener included in the kit into the bottom mount location. Ensure fastener body is fully seated and depress center pin fully until it locks into place. (Fig 2-3)



- (d) Using the two screws removed in step 2-a, install the top screw first. Push mudguard tightly against fender and tighten. Then install the (2<sup>nd</sup>) lower screw. Push mudguard tightly against fender and tighten. (Fig 2-4)



**NOTE:** Turn the steering wheel to make it easier to work inside the tire area.



- (e) Fully tighten the screws so they will not become loose.

- (f) Repeat above steps for driver side.

### 3. Installation of Rear Mudguard

Starting with the passenger side, locate the two bolts directly behind the rear wheel.

Remove and retain the vehicle's bottom bolt closest to the tire and install the M6 nut spring on the bottom inboard hole. (Fig 3-1)

- (a) Locate the dimples on the rear wheel well lip. (fig 3-2)

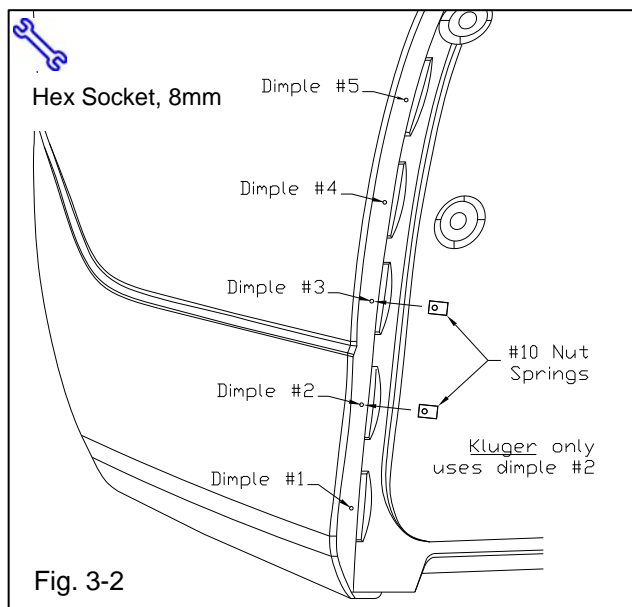
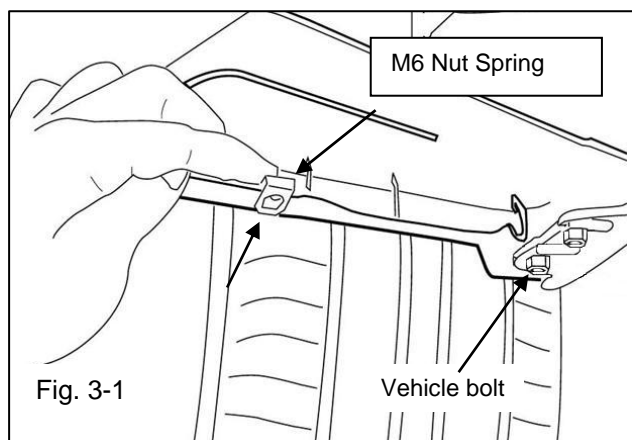
Install the #10 nut springs over the dimples on the rear wheel well lip (2<sup>nd</sup> and 3<sup>rd</sup> locations) (Fig 3-2)

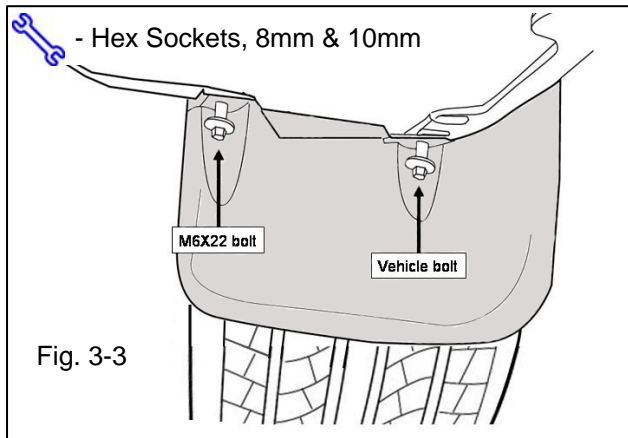


- (b) Screw the #10 x 23mm screw(s) into the nut spring(s) ensuring the screws go through the dimples into the rear lip.

**NOTE:** Screws are designed to be self-tapping, but you may drill a small pilot hole if needed.

- (c) Remove the screw(s) and retain.





- (d) Position the rear mudguard in place and secure it with the M6 x 22 bolt and the vehicle bolt removed in step 3.a. and then install the two #10 screws. (Fig 3-3 & 3-4)

**NOTE:** When tightening the screws/bolts, push the rear mudguard onto the quarter panel to reduce the gap between the rear mudguard and the panel.



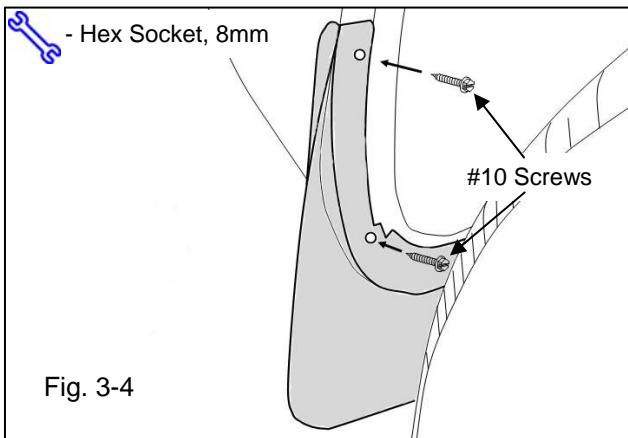
- (e) Fully tighten all fasteners so they will not become loose.

- (f) Repeat above steps for driver side.

#### 4. Final Checking



Check that the front and rear mudguards do not wobble.



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

Check:

Look For:

Accessory Function Checks

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Front and rear mudguards.

Check that they do not wobble.

Check that part is firmly installed.

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Gaps between mudguards and body side.

Excessive gaps greater than 2.0 mm.