

Part Number: PT345-48200

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Front Mudguard, RH
2	1	Front Mudguard, LH
3	1	Rear Mudguard, RH
4	1	Rear Mudguard, LH
5	1	Hardware Kit (Rear)

Hardware Bag Contents

Item #	Qty Req'd.	Description
1	4	Screw (90159-A0059)
2	4	Spring Clip (90183-06019)
3	2	Spring Nut (90467-05138)

Additional Items Required For Installation

Item #	Qty Req'd.	Description

Conflicts

Ground effects

Recommended Tools

Personal & Vehicle Protection	Notes
None	
Special Tools	Notes
None	
Installation Tools	Notes
Socket	10mm
Angled Driver or Ratchet	
Clean Cloth/Rag	
Special Chemicals	None
Cleaner	VDC Approved

General Applicability

MY20 and newer Highlander, Highlander HV models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*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.



REGULATORY MARK: This mark indicates the component is related to regulatory compliance

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.).

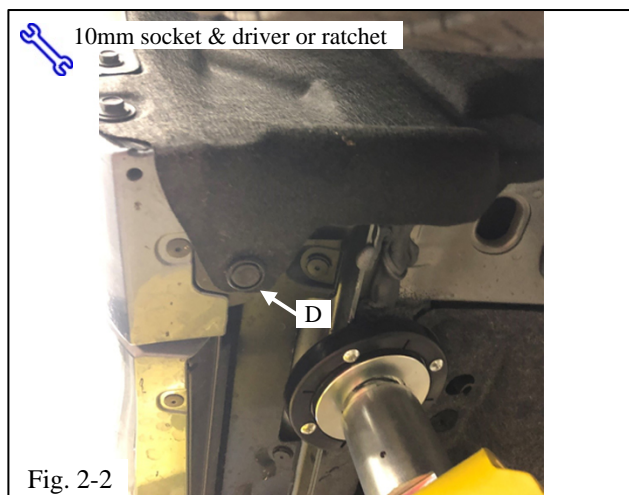
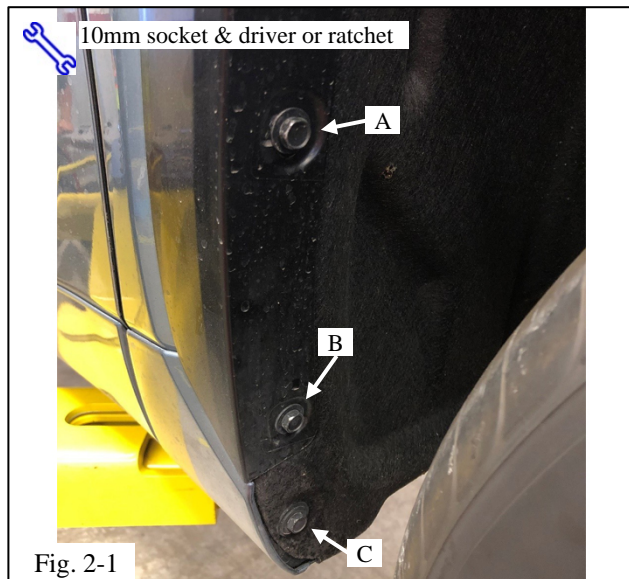
Please see your Toyota dealer for a copy of this document.

1. Prepare the Vehicle.

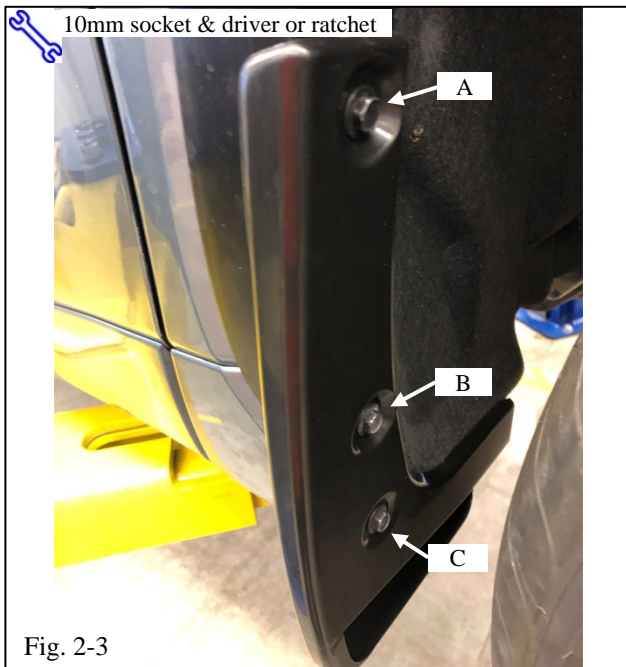
- (a) Clean and degrease front and rear fender area where the mudguards will be located with a VDC approved cleaner & cleaning method.

2. Install the Front Mudguard.

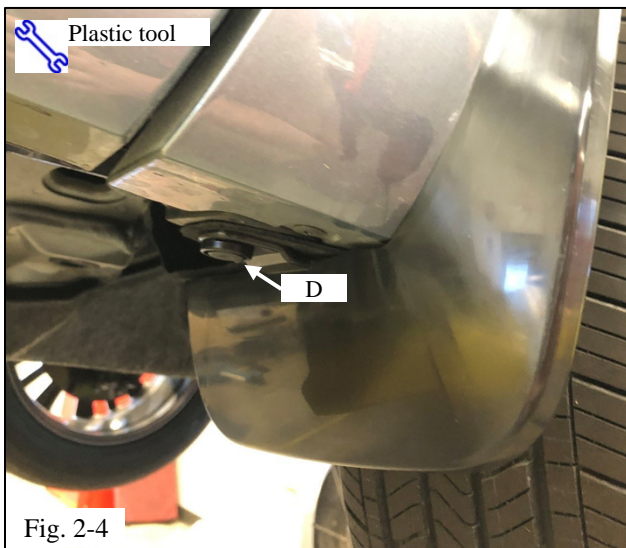
- (a) Remove and save the three screws at locations A, B and C (Fig. 2-1 & Fig. 2-2).



- (b) Remove and save the pin in location D (Fig. 2-2).

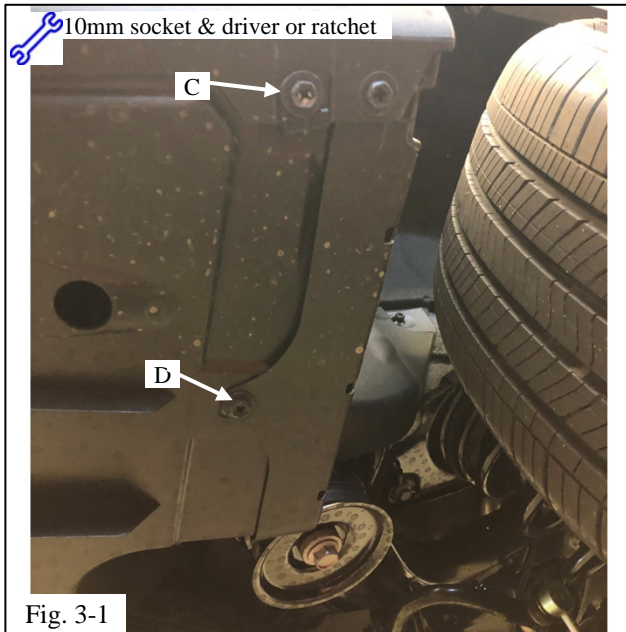


- ⚠ (c) Mount the front mudguard on the front fender. Attach the mudguard using the three screws removed in Step 2(a) at locations A, B and C (Fig. 2-3).
- (d) Reinstall the pin removed in Step 2(b) at location D (Fig. 2-4).
- (e) Repeat Step 2 on the other side.



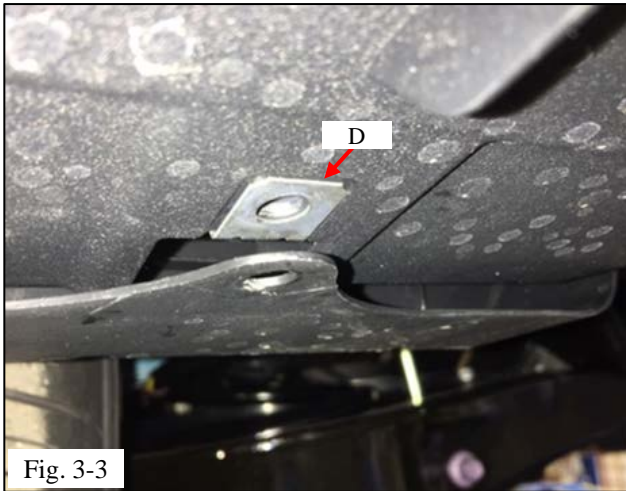
3. Install the Rear Mudguard.

- (a) Remove and KEEP the two screws in locations C and D (Fig. 3-1).



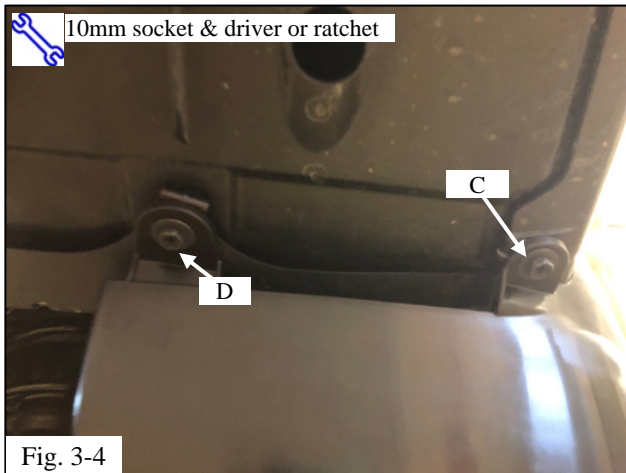
- (b) Install supplied spring clips at locations A and B so that the factory divots are centers in the clips (Fig. 3-2).





(c) Confirm spring clip is installed at location D (Fig. 3-3).

(d) Mount the rear mudguard on the rear fender. Attach the mudguard using the two supplied screws in locations A and B.



(e) Reinstall the two screws removed in Step 3(a) in locations C and D (Fig. 3-4).

(f) Repeat Step 3 on the other side.

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

Check:	Look For:
<p><u>Accessory Function Checks</u></p> <p><input type="checkbox"/> Gaps between mudguards & body</p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	<p><u>Look For:</u></p> <p> Confirm no gaps to A-surface are greater than 3.0mm.</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input type="checkbox"/></p>	
<p><u>Vehicle Appearance Check</u></p> <p><input type="checkbox"/> After accessory installation and removal of protective cover(s), perform a visual inspection.</p>	<p>Ensure no damage (including scuffs and scratches) was caused during the installation process.</p> <p>(For PPO installations, refer to TMNA Accessory Quality Shipping Standard.)</p>