

Part Number: PT929-48180

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Applique, RR Bumper
2		

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1		
2		

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		
2		

Conflicts

None

Recommended Tools

Personal & Vehicle Protection	Notes												
Protective Blanket													
Special Tools	Notes												
Squeegee	4" (3M™ Gold) or 4" (3M™ Silver)												
Low Friction Sleeve	3M SA-1 (Optional)												
Surface Thermometer	Infrared Non-contact												
Heat Gun	Master Heat Gun HG-301A or equivalent												
Installation Tools	Notes												
Lint Free Cloth													
Spray Bottle	For wetting agent												
Special Chemicals	Notes												
Cleaner	VDC approved cleaner and cleaning method												
Wetting Agent Note: Solution depends on the <u>part and the vehicle surface temperature</u> . Not only on ambient temperature.	Johnson's Baby Shampoo mixed PER LITER of water: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Temp</th> <th>Shampoo</th> </tr> </thead> <tbody> <tr> <td>65° F</td> <td>.5 mL</td> </tr> <tr> <td>70° F</td> <td>.75 mL</td> </tr> <tr> <td>80° F</td> <td>1 mL</td> </tr> <tr> <td>90° F</td> <td>1.5 mL</td> </tr> <tr> <td>100° F</td> <td>2 mL</td> </tr> </tbody> </table>	Temp	Shampoo	65° F	.5 mL	70° F	.75 mL	80° F	1 mL	90° F	1.5 mL	100° F	2 mL
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General Applicability

MY18 and newer Highlander/HV models

Recommended Sequence of Application







Item #	Accessory
1	
2	

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		
2		

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.).

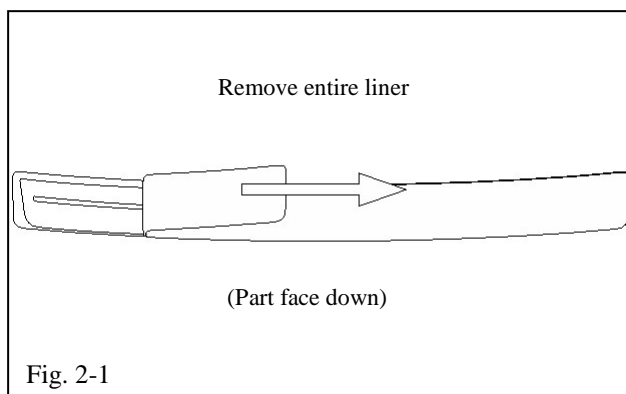
Please see your Toyota dealer for a copy of this document.

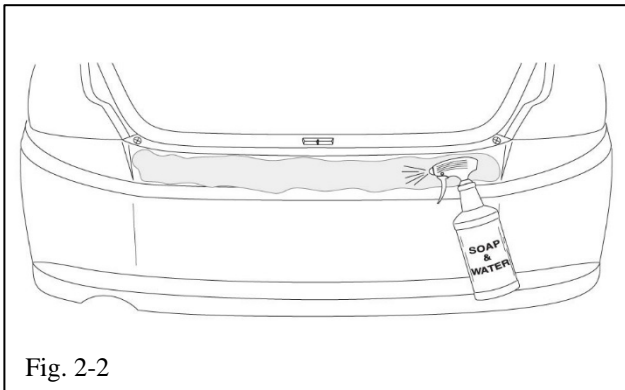
1. Prepare the Vehicle.

-  (a) The part and vehicle surface temperature must be maintained between 65°F and 90°F (18°C and 32°C) for optimum installation. Store parts flat at room temperature in a clean dry place.
- (b) Place a protective blanket in the trunk area to protect it from overspray of the wetting agent.
-  (c) Clean the entire application surface to remove grease and wax. Clean the entire area with a VDC approved cleaner and cleaning method.
- (d) Wipe the cleaned surface with a clean, dry, lint-free cloth.

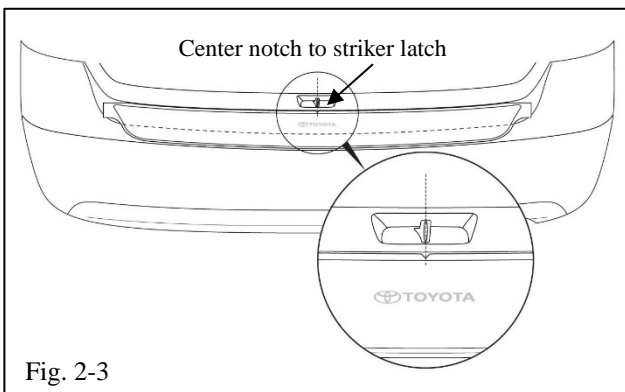
2. Install the Rear Bumper Applique.

-  (a) Place the part face down on a clean flat surface. Remove the entire liner (Fig. 2-1).
-  **NOTE:** The premask of the part may be blue or white. The installation method is the same for either material.



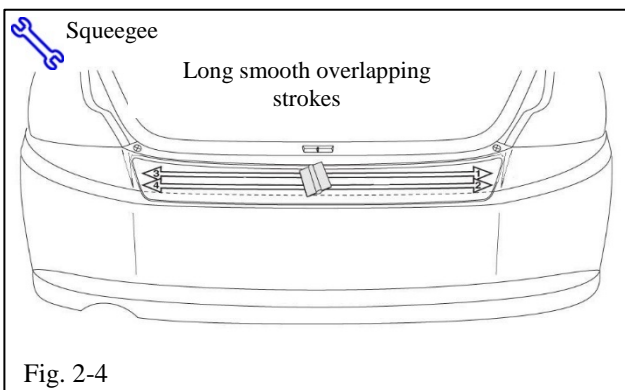


(b) Spray the bumper and the applique with the wetting agent (Fig. 2-2).



STOP (c) Align the center notch directly below the striker latch opening and the leading edge of the pre-mask along the vertical surface of the bumper. Be sure not to roll the applique onto the vertical surface (Fig. 2-3).

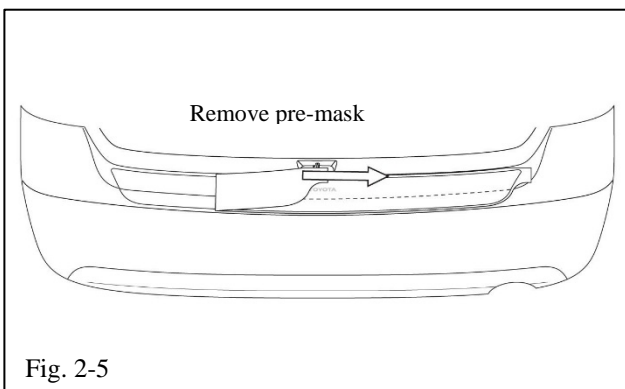
! NOTE: Do not smooth the part by hand.



(d) Spray the pre-mask.

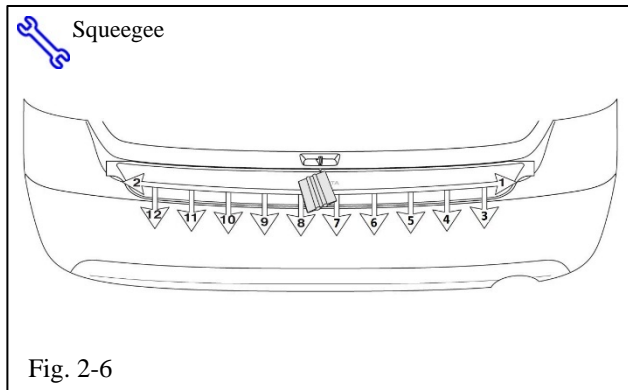
(e) Using long smooth overlapping strokes, squeegee from the center outward of the horizontal surface (Fig. 2-4).

! NOTE: Do not use excessive force as it may cause creasing of the applique.



(f) Carefully remove the pre-mask paper by rolling it back 180° against itself prior to squeegeeing the final wrap area (Fig. 2-5).

! NOTE: It may be necessary to press down on the corner of the part as you roll back the pre-mask.



- (g) Using the squeegee, make smooth overlapping downward strokes from the right side vertical section towards the left side (Fig. 2-6).
- (h) Dry off the vehicle with a clean, lint free cloth.

TOYOTA HIGHLANDER/HV 2014 - REAR BUMPER APPLIQUE
Checklist - these points **MUST** be checked to ensure a quality installation.

Check:

Look For:

Accessory Function Checks

- Proper adhesion – Visual

- Proper adhesion – Physical

- Proper alignment – Cross-Car

Look for bubbles, loose and lifting edges.

With light pressure, rub a hand over the top of the part and if a crackling sound occurs, re-squeegee. If bubbles cannot be worked out to the nearest edge, replace the part.

The part must be centered within the bumper +/-3 mm.

Vehicle Appearance Check

- After accessory installation and removal of protective cover(s), perform a visual inspection.

Ensure no damage (including scuffs and scratches) was caused during the installation process.

(For PPO installations, refer to TMS Accessory Quality Shipping Standard.)