

Part Number: PT907-42180
PT907-42180-AA

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Hood Protective Film
2	1	Fender Protective Film (DS,PS)
3	1	Care Card

Hardware Bag Contents

Item #	Quantity Req'd.	Description
1		
2		
3		

Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		
2		
3		

Conflicts

Non-RAV4 Adventure models

Recommended Tools

Personal & Vehicle Protection	Notes
None	
Special Tools	Notes
Squeegee	4" 3M™ Orange Applicator #71607
Installation Tools	Notes
Spray Bottles	
Pump Sprayer	
Towel	Wypall® L40 All-Purpose Wipers
"T" Shirt Material	Supplied by CTC Supplies
Water Blade	12" California® Water Blade
Dropper	Measures ml
Heat Gun	
Special Chemicals	Notes
Wetting Agent	Johnson's® Baby Shampoo (5 ml to 64oz. of water)
White Alcohol	99% isopropyl Alcohol (mix 50% Alcohol and 50% water)

General Applicability

RAV4 Adventure 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.

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 Installation Environment.




- (a) To ensure the best results during an installation, set up an installation area that is safe and clean.
- (b) The installation should be performed in an ambient temperature from 45°F to 95°F (7°C to 35°C). Adjust the wetting solution per the ambient temperature. The following is stated for the 64 oz. Wetting Agent.
- (1) 45°F - 65°F (7°C to 18°C) = 4 ml Baby Shampoo
 - (2) 65°F - 75°F (18°C to 24°C) = 5 ml Baby Shampoo
 - (3) 75°F - 85°F (24°C to 29°C) = 6 - 7 ml Baby Shampoo
 - (4) 85°F - 95°F (29°C to 35°C) = 7 - 8 ml Baby Shampoo
- (c) Avoid installing in direct sunlight or an extreme heat environment.
- (d) Avoid installing material when the vehicle surface is over 90°F.
- (e) Do not attempt to apply film during windy conditions.
- (f) Keep the installation area free of dust, grease, or other small particles that can become airborne, i.e. wax dust, paint overspray, etc.
- (g) The installation area must be well lit.

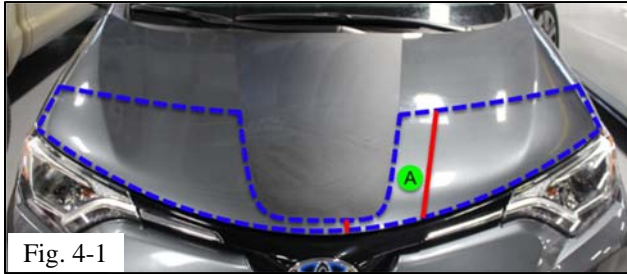
2. Prepare the Vehicle Surface.

- (a) Remove the vehicle wrap-guard material from application areas.
- (b) Wash/clean the application surface thoroughly.
- (c) Remove any contaminations such as grease, oil, wax, dirt, bug residue, or road tar with approved VDC cleaner, followed by approved VDC window cleaner.
- (d) Inspect painted surfaces for existing damage or for fresh, loose, and/or scratched paint. Repair any existing damage before installation.
- (e) Clean the vehicle using baby shampoo solution and a towel.
- (f) Spray the vehicle with baby shampoo solution generously and remove with California® Water Blade.

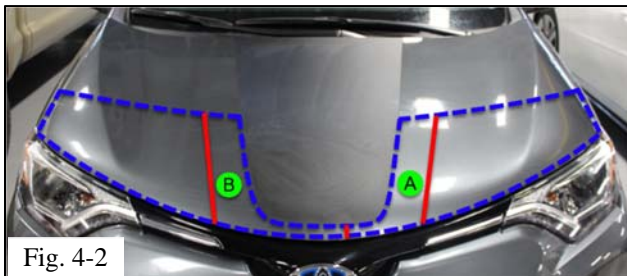
3. Remove the Film Material from the Liner.

- (a) Check the pattern accuracy with the vehicle. Make sure all necessary pieces are present.
-  (b) Before handling the film, make sure that hands are clean. Proceed to spray hands with the wetting agent to prevent transfer of fingerprints to the material. Keep hands wet throughout the install procedure.
- (c) Remove the material from the liner. Continue to spray the material with the wetting agent to prevent the adhesive side from sticking to itself. Keep hands wet.

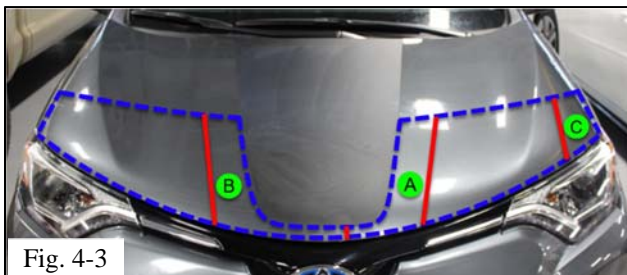
4. Install the Hood Film.



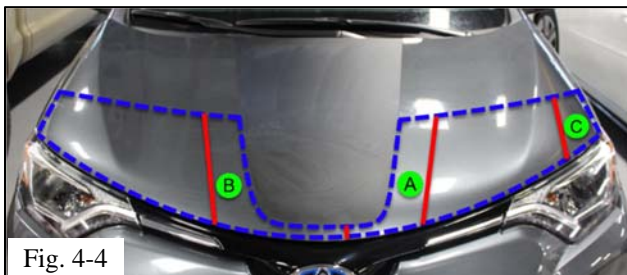
(a) Position the film so that the edges are 2mm +0mm / -1mm alignment around the hood graphic. Be sure the lower edge is within the proper tolerance as well and use the squeegee to secure the film in place (Fig. 4-1).



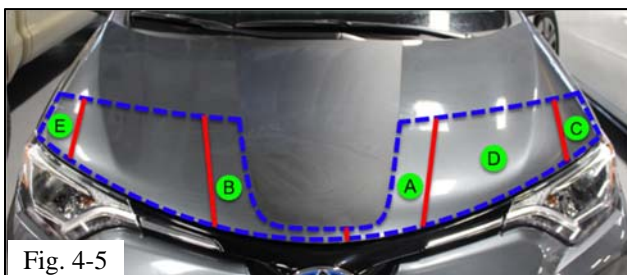
(b) Position the film so that the edges are 2mm +0mm / -1mm alignment around the hood graphic. Be sure the lower edge is within the proper tolerance as well and use the squeegee to secure the film in place (Fig. 4-2).



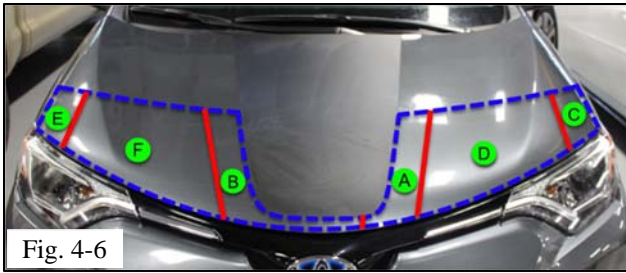
(c) Apply a small amount of alcohol solution underneath the outer edge of this section. Place a hand behind where the alcohol was applied and pull the film into place. Hold the film in place with one hand and use the squeegee in the other to secure the material (Fig. 4-3).




(d) Remove the solution from this section using upward and downward strokes. Be sure that alignment of the lower edge is kept within proper tolerance during the process. A small amount of alcohol solution may be used under the lower edge to ensure placement is kept during the process (Fig. 4-4).




(e) Apply a small amount of alcohol solution underneath the outer edge of this section. Place a hand behind where the alcohol was applied and pull the film into place. Hold the film in place with one hand and use the squeegee in the other to secure the material (Fig. 4-5).



- (f) Remove the solution from this section using upward and downward strokes (Fig. 4-6). Be sure that alignment of the lower edge is kept within proper tolerance during the process. A small amount of alcohol solution may be used under the lower edge to ensure placement is kept during the process.

-  (g) Check the surface for bubbles or any other defects before continuing.

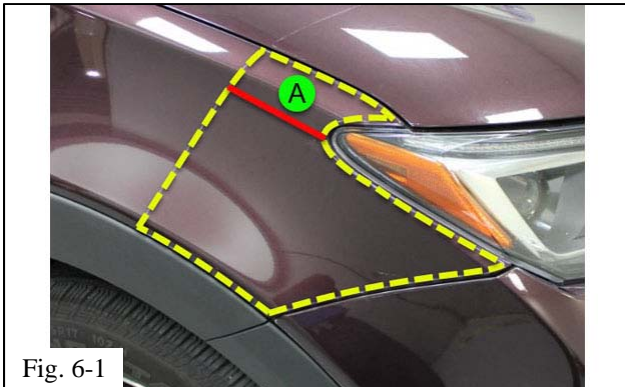
5. Seal All Edges.

 **NOTE:** This will be necessary after each individual piece.

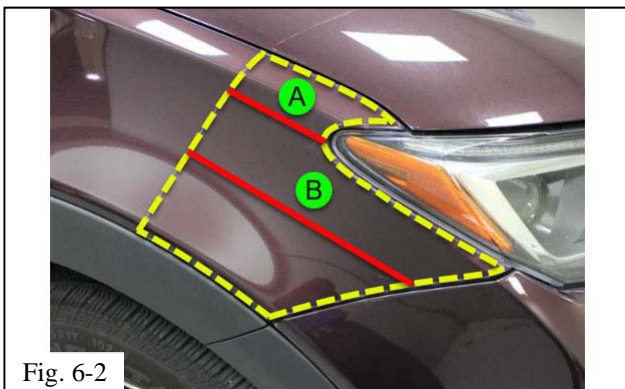
- (a) With the “T” shirt material wrapped around a hand, apply heat with the heat gun from 6 to 8 inches away from the vehicle panel.
- (b) Angle the heat gun to heat the glue side of the material as opposed to the clear coat side.
- (c) Apply heat, then wipe the material edge down with the “T” shirt wrapped hand. The film will be very pliable so take care to not distort the film.
- (d) This process should be applied to the entire outer edge of the piece to seal the piece completely.

6. Install the Front Fender Film.

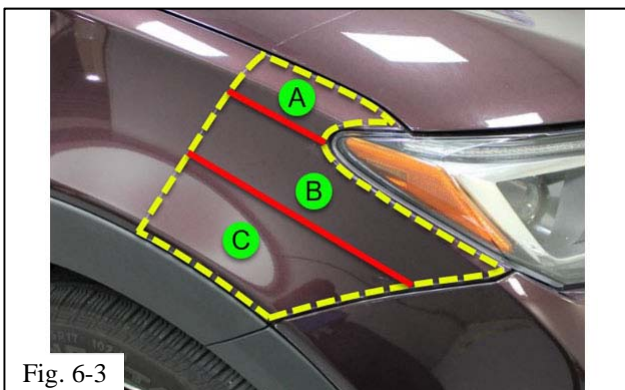
- (a) Line up the lower front corner that meets the headlight and the upper edge within the proper tolerance and secure the film with the squeegee (Fig. 6-1).



- (b) Starting at area A, push the solution down around the headlight and out through the lower front edge to secure the film. Apply alcohol solution underneath the lower corner if needed to ensure placement is kept during process (Fig. 6-2).



- (c) Push the remaining solution away from area B, down and out through the lower edge near the wheel well (Fig. 6-3).



⚠ NOTE: Never attempt to push solution back through a section of film that has already been applied to prevent distorting the clarity of the film.

STOP (d) Check the surface for bubbles or any other defects before continuing.

STOP (e) Seal the edges (See Step 5).


- (f) Repeat Step 6 for the other side.

7. Complete the Installation.

- (a) Clean the surface of the vehicle as necessary.

8. Removal Procedure (if necessary).

- (a) Pick up an edge corner of the material. Grab enough material to allow a secure grasp by hand.
- (b) Pull the material towards the body at an angle (between 30° to 45°). Do not try to rip the material off of the surface, instead, stretch the material off of the surface.

 **NOTE:** Stretching the material will minimize the amount of adhesive left on the surface.

- (c) Clean the adhesive left on the surface with a common adhesive remover.

TOYOTA RAV4 ADVENTURE 2018 - PAINT PROTECTION FILM
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"/> Verify parts:<input type="checkbox"/> Correct part number has been installed<input type="checkbox"/> Proper equipment was used to install<input type="checkbox"/> Quality and proper installation of film<input type="checkbox"/>	<p>Removed items have been discarded & replaced items are in place</p> <p>Verify part number on package</p> <p>Check for loose edges, bubbles, and or film damage</p> <p>Check for scratches, correct edge alignment, and or debris under film</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. (For PPO installations, refer to TMS Accessory Quality Shipping Standard.)</p>