Part Number(s): Applicable Parts

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Hood Protective Film
2	1	Front Fender Protective Film (DS,PS)
3	1	Mirror Back Protective Film (DS,PS)
4	1	Door Cup Protective Film (4pcs.)
5	1	Care Card

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	None	

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	None	

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)
Tack solution	70% isopropyl Alcohol (mix 25% Alcohol 75% Water

Recommended Sequence of Application

Item #	Accessory
1	Hood Protective Film
2	Front Fender Protective Film (DS,PS)
3	Mirror Back Protective Film (DS,PS)
4	Door Cup Protective Film (4pcs.)
5	Front Bumper Protective Film (DS,PS)
6	Care Card

*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.

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 for the Installation.

(a) To ensure the best results, set-up an installation area that is safe and clean. The following items should be considered when selecting an area for installation.

(1) The installation should be performed in an ambient temperature from 45°F (7° C) to 95° F (35°C). Adjust the wetting solution according to the ambient temperature. The following is stated for the 64 oz. Wetting Agent:

(1) 45º F - 65º F = 4 ml Baby Shampoo

(2) 65º F - 75º F = 5 ml Baby Shampoo

(3) 75º F - 85º F = 6-7 ml Baby Shampoo

(4) 85º F - 95º F = 7-8 ml Baby Shampoo

NOTE: Filtered hot water may be used to ease the installation by warming the film/vehicle during colder temperatures.

(2) Avoid installing in direct sunlight or extreme heat environment. Avoid installing material when vehicle surface is over 90° F (32° C).

(3) Do not attempt to apply film during windy conditions.

(4) Keep the installation area free of dust, grease, or other small particles that can become airborne, i.e. wax dust, paint overspray, etc.

(5) The installation area must be well lit.

⚠ (b) Prepare the surface of the vehicle.

(1) Remove any vehicle wrap-guard material from the application areas.

(2) Wash/clean the application surface thoroughly.

(3) Remove any contaminations such as grease, oil, wax, dirt, bug residue, or road tar with approved VDC cleaner, followed by approved VDC window cleaner.

(4) Inspect painted surfaces for existing damage or for fresh, loose, and/or scratched paint. Repair any existing damage before installing the film.

(5) Clean the vehicle with the baby shampoo solution and a towel.

(6) Spray the vehicle generously with baby shampoo solution and remove it with a California Water Blade®.

2. 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. 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.

3. Hood Installation Procedure

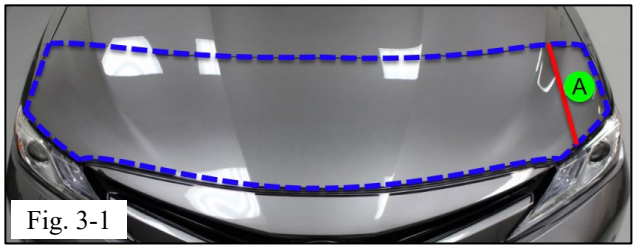


Fig. 3-1

(a) Align the driver side outer and lower edges of the piece where the hood meets the fender. Remove the water from beneath the material with the squeegee to secure the film in place.

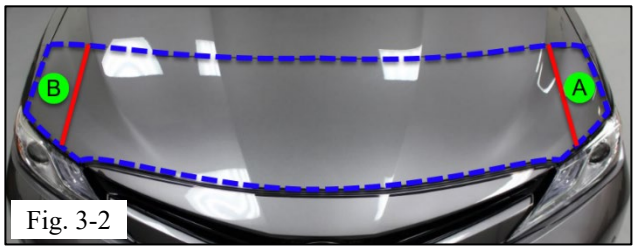


Fig. 3-2

(b) Apply tack solution underneath the outer edge. Pull the material to align the passenger side outer and lower edges where the hood meets the fender. Hold the tension of the stretch with one hand while using the squeegee in the other to secure it.

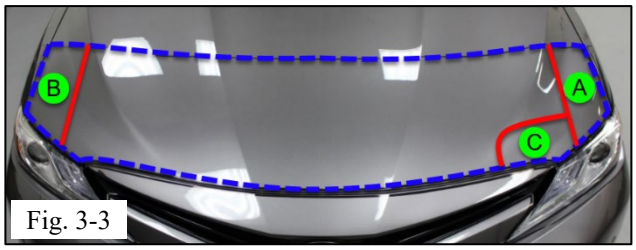


Fig. 3-3

(c) Position the film properly along the lower edge. Hold in place with one hand while using the squeegee in the other to secure the film by pushing the solution out. Use your tack solution as needed to ensure placement is kept.

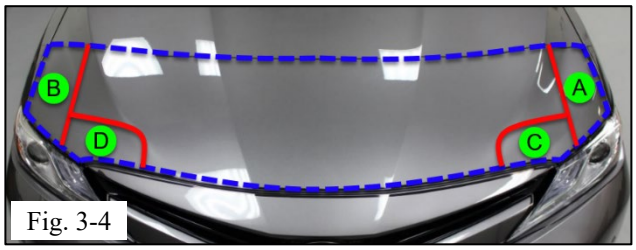


Fig. 3-4

(d) Position the film properly along the lower edge. Hold in place with one hand while using the squeegee in the other to secure the film by pushing the solution out. Use your tack solution as needed to ensure placement is kept.

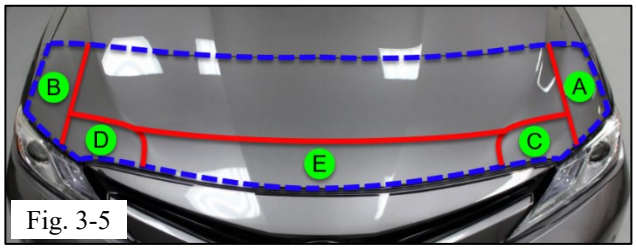


Fig. 3-5

(e) Using one hand placed in the center align the film so that the lower edge is within the proper tolerance. Hold in place and secure the film by pushing it away from steps (c) and (d) towards the center and then out through the lower edge. Use your tack solution as needed to ensure placement is kept.

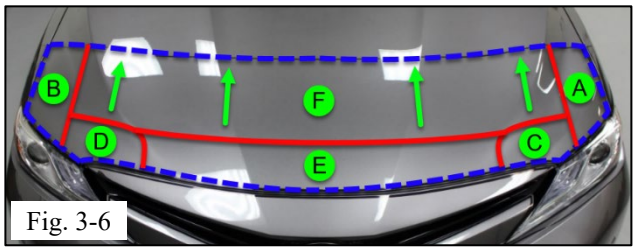


Fig. 3-6

(f) Working away from steps (a) and (b) towards the center use upward overlapping strokes remove all remaining solution out through the top edge of the piece. Do not attempt to push solution back through an area that has already been secured.

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

4. Seal the Edges.

NOTE: This will be necessary after each individual piece.

(a) With the "T" shirt material wrapped around the 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) First, apply heat, and then wipe the material edge down with the "T" shirt wrapped hand.

NOTE: 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.

5. Front Fender Installation Procedure.

(a) Line up front fender so that the lower corner and inner edge near the hood are aligned properly. Remove the solution from underneath the material so that it is secured. Tack solution may be used to ensure placement is kept.

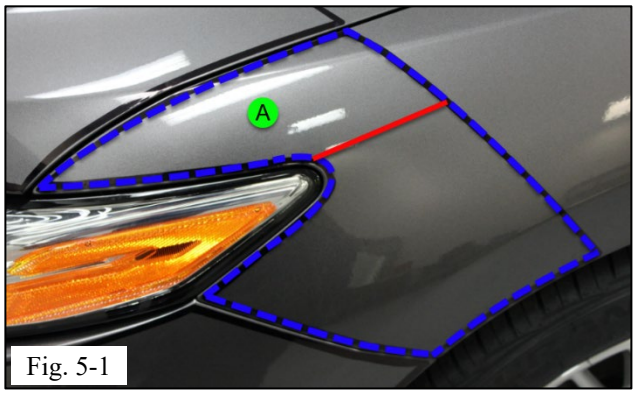


Fig. 5-1

(b) Apply tack solution around the edge near the headlight. Position film for alignment and secure in place with the squeegee by pushing all the solution down and out towards the lower corner of this section.

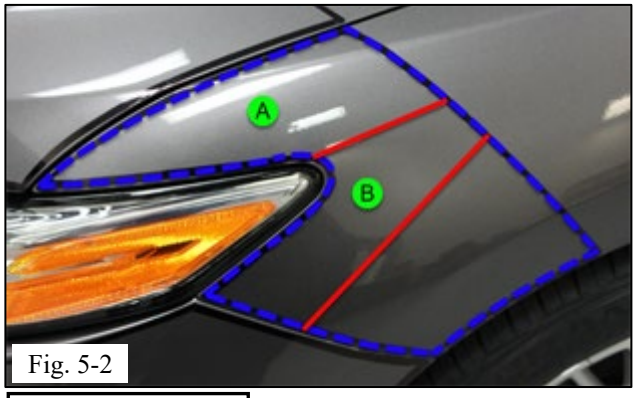


Fig. 5-2

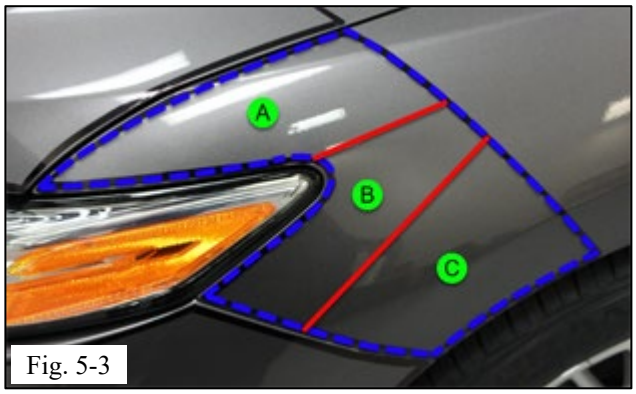


Fig. 5-3

(c) Apply downward and outward tension to relieve any fingers that occur on the fender's edge. While stretching the film secure it with the squeegee by pushing the solution down and out from beneath the lower edge. Tack solution may be used to ensure placement is kept.

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

(e) The same sequence of steps will be used to apply the opposing side.

6. Seal all edges.

NOTE: This will be necessary after each individual piece.

(a) With the "T" shirt material wrapped around the 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) First, apply heat, and then wipe the material edge down with the "T" shirt wrapped hand.

NOTE: 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.

7. Mirror Back Installation Procedure.

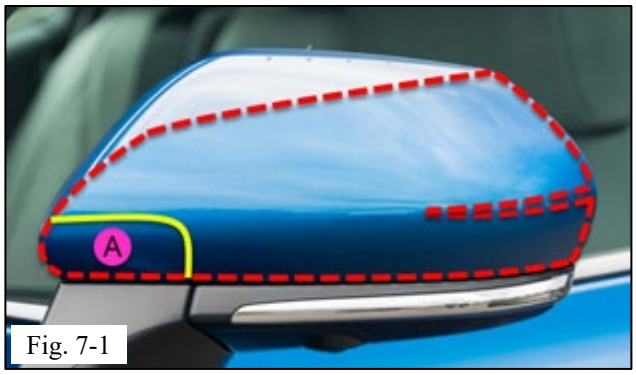


Fig. 7-1

(a) Align the lower and inner edges within tolerance and with the curve of the body line. Use the squeegee to apply the film so that it is secure. Use tack solution as needed to ensure placement is kept.

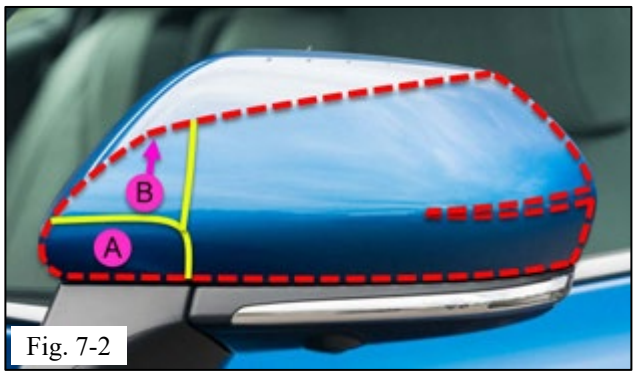


Fig. 7-2

(b) Apply small amount of tack solution under the upper edge of this section. Grip the material with your fingertips at the top and gently pull the film up wrapping it around the curved surface to alleviate fingers. Wipe the film into place where the tack solution was applied. Use the upper body line as a guide for alignment. The top edge should land within 5 MM of the upper body line. Hold the tension of the stretch with one hand and use the squeegee in the other to push all the solution out securing the film in place.

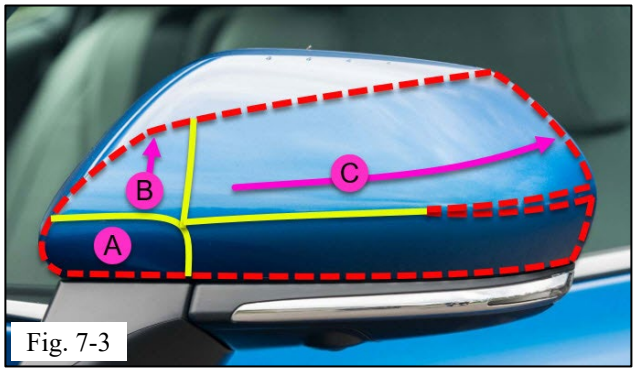


Fig. 7-3

(c) Apply tack solution under the outer edge of this section. Grip the material with your fingertips and pull the film out wrapping it around the curved surface to alleviate fingers and align the outer edge. Wipe the film into place where the tack solution was applied so it is secured. Push all solution out with the squeegee.

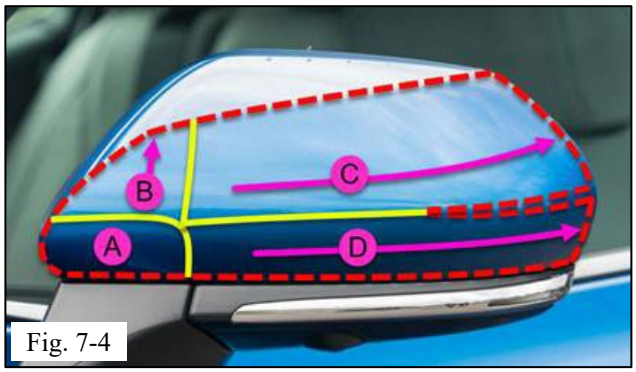


Fig. 7-4

(d) Apply tack solution under the outer edge of this section. Grip the material with your fingertips and pull the film out wrapping it around the curved surface to alleviate fingers and align the outer edge. Wipe the film into place where the tack solution was applied so it is secured. Push all solution out with the squeegee. Be sure the film does not overlap with section (c).

(e) The same sequence of steps will be used to apply the opposing side.

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

8. Seal all edges.

NOTE: This will be necessary after each individual piece.

(a) With the "T" shirt material wrapped around the 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) First, apply heat, and then wipe the material edge down with the "T" shirt wrapped hand.

NOTE: 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.

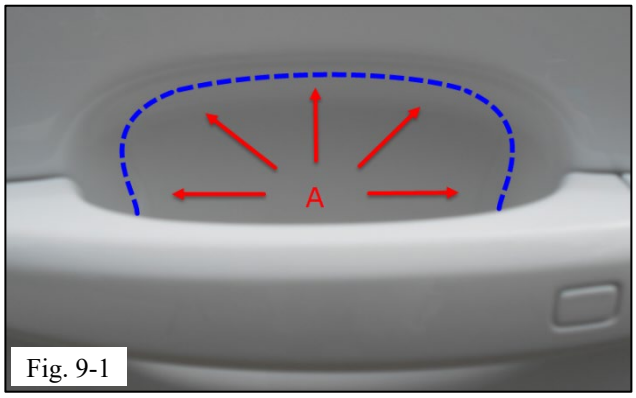


Fig. 9-1

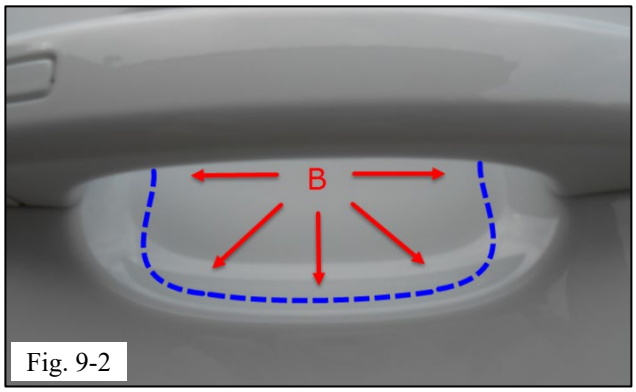


Fig. 9-2

9. Door Cup Installation Procedure.

(a) Apply wetting agent to part. Place the film in the handle opening and center it using the top and bottom lip as a guide. Use your thumbs to gently wipe the center of the piece until it is tacked. Remove the remaining solution pushing it out gradually towards the edges working away from the center

NOTE: Tack solution may be used throughout the entire process as needed to help secure film.

(b) Continue using your thumbs to remove the solution and work the piece down starting at the center gradually moving down and out towards the outside edges.

(c) Repeat steps (a) and (b) on all doors.

(d) Check surface for bubbles or any other defects before continuing. The corners or skinnier portion of your application tool may be used to remove any stubborn bubbles that have been left behind.

10. Seal all Edges.

NOTE: This will be necessary after each individual piece.

(a) With the “T” shirt material wrapped around the 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) First, apply heat, and then wipe the material edge down with the “T” shirt wrapped hand.

NOTE: 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.

11. Post-Installation Instructions.

(a) Clean surface of vehicle as necessary.

12. Removal Process.

(a) Pick an edge corner of the material up. Grab enough material to allow a secure grasp with hand.

(b) Pull material towards body at an angle (between 30° to 45°). Do not try to rip material off the surface, instead, stretch the material off the surface. By stretching the material, you will minimize the amount of adhesive left on the surface.

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

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

Check:	Look For:
Accessory Function Checks	
☐ Correct part number has been installed.	Verify part number on package.
☐ Proper equipment was used to install.	Check for loose edges, bubbles, and or film damage.
☐ Check for film quality and proper installation.	Check for scratches, correct edge alignment, and or debris under film.
Vehicle Function Checks	
☐	