

2013 Scion FR-S Aero Kit/Spoiler

INSTALLATION INSTRUCTIONS

⚠ ATTENTION ⚠

**ALL ISSUES RELATED TO IMPROPER
INSTALLATION RESULTING FROM
NOT ADHERING TO EXACT INSTALL
PROCEDURES WILL NOT BE COVERED
BY FIVE:AD WARRANTY**

PLEASE FOLLOW THE INSTRUCTIONS!

**FAILURE TO USE ADHESION PROMOTER WILL VOID WARRANTY AND FIVE:AD
WILL NOT BE RESPONSIBLE FOR ANY AERO KITS OR SPOILERS LOOSE OR
MISALIGNED AS A RESULT OF NOT COMPLETING THESE STEPS!**



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FIVE:AD 2013 Scion FR-S Aero Kit/Spoiler

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⚠ ATTENTION ⚠

- ⚠ Inspect box and all parts for damage before prepping, painting and installing kit.
- ⚠ If parts are damaged or incorrect, make note to shipper and contact the dealer or distributor that shipped your order.
- ⚠ If damage is not immediately reported, Five Axis will not be responsible for shipping damage!

⚠ DO NOT STORE, PAINT OR CURE PARTS UNSUPPORTED! ⚠

The Lip Kit is manufactured from URETHANE and extreme caution must be used when storing and painting all parts!

1. Do not store parts in such a way that distorts their original shape. Although urethane has a memory allowing it to return to its original shape, long term distortion will result in parts that do not fit properly when installed.
2. Be sure to properly support the parts when painting them. ALWAYS support the full length of the parts and not just the ends when painting. Failure to do so will result in warped and misshapen parts especially if heat is used in the curing process!
3. CAUTION: Curing temperature must NOT exceed 120° degrees Fahrenheit and PARTS MUST BE SUPPORTED DURING CURING PROCESS TO AVOID WARPING OR DISTORTION! If this happens, make sure part is properly supported to achieve original shape, reheat, and let part cool naturally to its original shape. NEVER USE COMPRESSED AIR OR WET TOWELS TO COOL PARTS! ALLOW TO COOL NATURALLY!

Recommended Preparation Procedure For Polyurethane Components

1. Remove contents from packaging and inspect for any shipping damages.
2. Test-fit all parts to the car PRIOR to painting to insure proper part fit. Warranty claims will not be accepted for painted parts that were not pre-fitted prior to painting.
3. Parts are supplied as removed directly from the mold. A non-silicone mold release is used in the manufacturing of these parts.
4. Wipe down parts thoroughly with wax and grease remover. Failure to do so will result in poor paint adhesion.
5. Sand all areas to be painted with 320 grit sandpaper.
6. Coat all painted surfaces with adhesion promoter made for plastic parts.
7. Coat all surfaces with a flexible primer.
8. Sand and spot fill areas as necessary and final surface for paint.
9. Coat all surfaces with an automotive sealer.
10. Paint with automotive color system and clear coat.
11. Baking temperature must NOT exceed 120° degrees Fahrenheit.

Failure to follow these directions will result in poor paint adhesion and will not be covered under manufacturer's warranty.

SUPPLIED HARDWARE:



- 12 Self tapping screws
- 12 Locking push clips
- 10 Sticks of 3M Adhesion Promoter
- 2 Rolls of 3M tape
 - 30' of 1/2" tape
 - 10' of 3/8" tape (for Rear Spoiler)
- 2 Sets of Die-Cut 3M tape
 - Set 1: Ends of spoiler
 - Set 2: Curved area of rear spats
- Spoiler Installation Template Pieces

STOCK HARDWARE:

(Removed from vehicle)



FRONT:

- 3 Plastic Push Clips (under side of front bumper)

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FIVE:AD 2013 Scion FR-S Rear Spoiler

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Front Spoiler 3M Tape Install Proper Mounting Technique

The FIVE:AD 2013 Scion FR-S Aero Kit is supplied with a roll of 3M tape and 10 sticks of adhesion promoter. Using one (1) of the sticks of Adhesion Promoter, install 3M tape to back side of each Front Spoiler (2 total).

STEP 1: Prior to painting parts requiring double-sided tape, using 3/4" masking tape, cover areas where the tape will be applied.

DO NOT apply double-sided tape prior to painting parts!

STEP 2: After the part is painted, remove the masking tape and make sure the mounting surface (Tape Flange) is free from wax, grease and dirt. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the Tape Flange on the back of the parts. Using supplied 3M adhesion promoter sticks, apply the adhesion promoter to the back of the tape flange on the spoiler where the 3M tape will be applied.

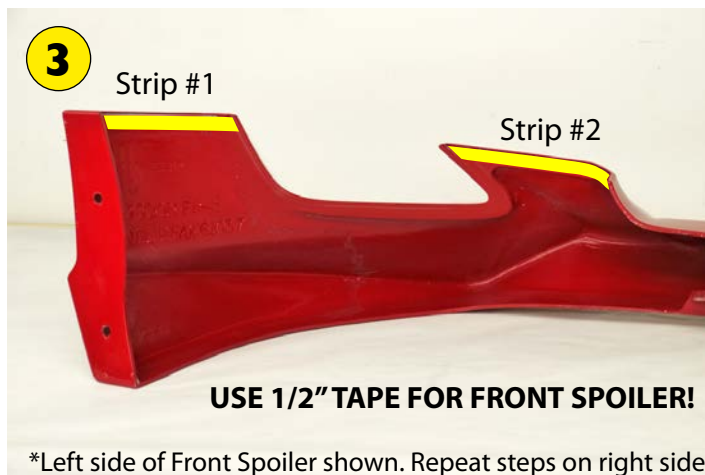
STEP 3: Install 1/2" 3M tape to Front Spoiler using image below as guide. Each 3M tape strip should be one continuous length of tape. Repeat strips #1 and #2 on opposite side of Front Spoiler.

Be sure to apply 3M tape leaving about 1/8" gap from the edge of the part.

 = 3M Tape Location



USE 1/2" TAPE FOR FRONT SPOILER!



USE 1/2" TAPE FOR FRONT SPOILER!

*Left side of Front Spoiler shown. Repeat steps on right side.

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Front Spoiler Installation:

After test fitting and painting, use the following steps for final attaching Front Spoiler to the vehicle:

HARDWARE NEEDED:



STEP 1: Remove 3, black plastic push clips that connect the underside of front bumper to splash guard. *NOTE: These will be re-installed to secure the Front Spoiler to underside of bumper.

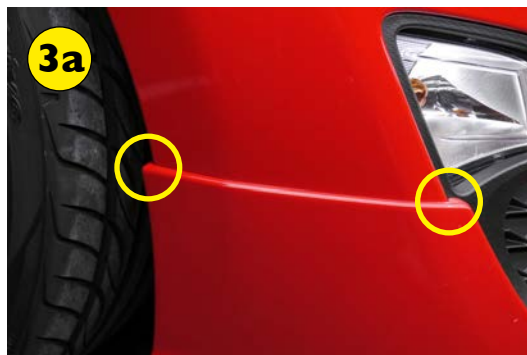
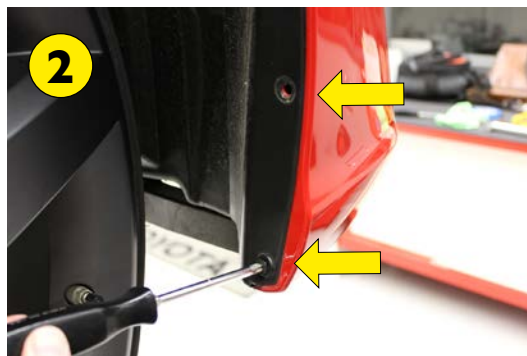
STEP 2: Remove 2 lower stock, philips head plastic clips in front wheel wells on both sides of the front bumper. Discard all 4 clips.

****VISUAL ALIGNMENT TO CONFIRM CORRECT FRONT SPOILER LOCATION!****

Test fit Front Spoiler to visually see the correct location for the part. Note where the top edge aligns with the fog light housing. Ensure there are **NO GAPS** in circled areas.

STEP 3a: The correct location for the outside area of front bumper.

STEP 3b: The correct location for the inner area of front bumper.



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Front Spoiler Installation:

(CONTINUED)

STEP 4: Temporarily fit Front Spoiler and mark off the areas on the bumper above where the part will attach using painters tape.

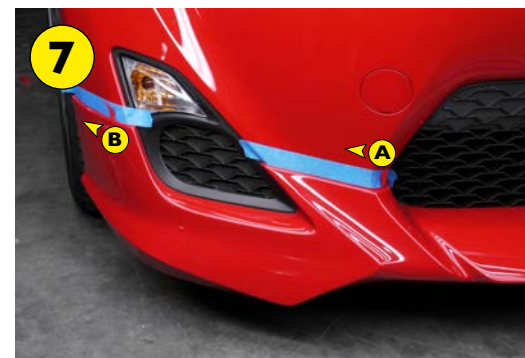
DO NOT REMOVE tape backing yet

STEP 5: Remove Front Spoiler and prep the 3M backing tape for final install. Flip the backing over to the front side of the part and secure using tape.

STEP 6: Clean the paint surface of the vehicle where the double face tape will make contact using wax and grease remover. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the paint surface where the double face tape will make contact. Lastly, apply the 3M Adhesion Promoter where the 3M tape will make contact.

STEP 7: Re-install the Front Spoiler and align with the painter's tape on the front bumper. Remove 3M tape backing, taking care not to break the red backing off behind the part! **Pull in order and direction of the letters shown in image!**

Repeat these steps on the opposite side of side of front bumper!



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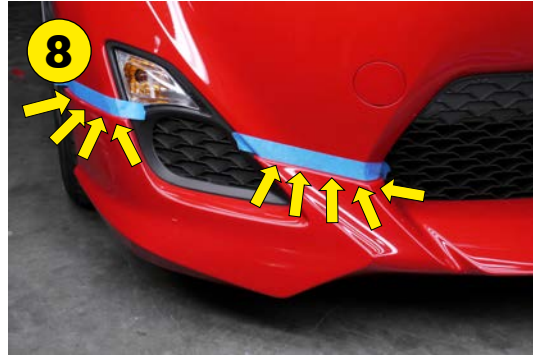
FIVE:AD 2013 Scion FR-S Aero Kit

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Front Spoiler Installation:

(CONTINUED)

STEP 8: APPLY PRESSURE to areas where tape was applied to part!



STEP 9: After confirming proper alignment, using the the 3 black plastic push clips removed in Step 1, secure the Front Spoiler on the underside of front bumper.

STEP 10: Using 4 of the supplied plastic, locking push clips, secure the Front Spoiler on the inside of both wheel wells (2 clips each side), pushing the "lock pins" all the way down. .



STEP 11: Front Spoiler Install Complete!



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FIVE:AD 2013 Scion FR-S Rear Spoiler

Installation Instructions - page 6/20

Rear Valance 3M Tape Install Proper Mounting Technique

The FIVE:AD 2013 Scion FR-S Aero Kit is supplied with a roll of 3M tape and 10 sticks of adhesion promoter. Using one (1) of the sticks of Adhesion Promoter, install 3M tape to back side of each Rear Valance piece (2 total).


STEP 1: Prior to painting parts requiring double-sided tape, using 3/4" masking tape, cover areas where the tape will be applied.


DO NOT apply double-sided tape prior to painting parts!

STEP 2: After the part is painted, remove the masking tape and make sure the mounting surface (Tape Flange) is free from wax, grease and dirt. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the Tape Flange on the back of the parts. Using supplied 3M adhesion promoter sticks, apply the adhesion promoter to the back of the tape flange on the spoiler where the 3M tape will be applied.

STEP 3: Install 1/2" 3M tape to Rear Valance. Use image below as guide. Be sure to use two (2) supplied 3M Die-Cut pieces in "S" shaped area on each Rear Valance piece. The other sections are three (3) continuous strips of 3M tape.

Be sure to apply 3M tape leaving about 1/8" gap from the edge of the part.

 = Die-Cut 3M pieces at bend of valance

 = Three (3) separate lengths of 3M tape



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Rear Valance Installation:

After test fitting and painting, use the following steps for final attaching Rear Valance to the vehicle:

HARDWARE NEEDED:

*Use 2 clips per side to secure parts



STEP 1: Use supplied push clips to help hold the part in place for tape masking.

DO NOT PUSH CLIP LOCK PINS IN ALL THE WAY YET!

STEP 2: Verify the correct location for the Rear Valance piece.

CONFIRM PROPER ALIGNMENT. Check final install location for Rear Valance piece to ensure there are **NO GAPS** in the circled areas shown in image.

While temporarily fitting first side of Rear Valance, mark upper edge using painter's tape for the areas on the bumper where the part will align and attach.

DO NOT REMOVE tape backing yet

STEP 3: Remove Rear Valance piece and flip the backing over to the front side of the part and secure using tape.



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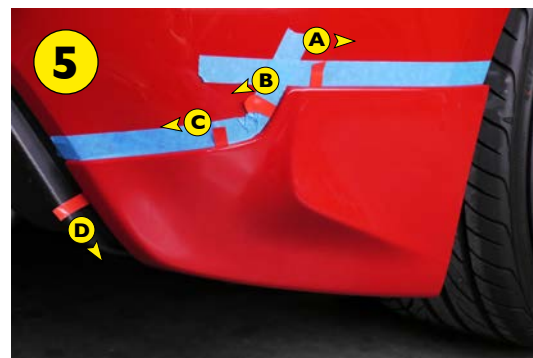
Rear Valance Installation:

(CONTINUED)

STEP 4: Remove Rear Valance piece and clean the paint surface of the vehicle where the double face tape will make contact using wax and grease remover. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the paint surface where the double face tape will make contact. Lastly, apply the 3M Adhesion Promoter where the 3M tape will make contact.



STEP 5: Align the Rear Valance piece with the painter's tape on the rear bumper and remove 3M tape backing, taking care not to break the red backing off behind the part! **Pull in order and direction of the letters shown in image!**



STEP 6: APPLY PRESSURE to areas where tape was applied to part!

STEP 7: Use two of the supplied black push clips to secure the Rear Valance piece. Push "lock pins" ALL the way down.



STEP 8: First side complete!

***Repeat steps 1-8 on other side of rear bumper.**



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Side Skirt 3M Tape Install Proper Mounting Technique

The FIVE:AD 2013 Scion FR-S Aero Kit is supplied with a roll of 3M tape and 10 sticks of adhesion promoter. Using two (2) of the sticks of Adhesion Promoter, install 3M tape to back side of each Side Skirt (1 stick needed per Side Skirt).

STEP 1: Prior to painting parts requiring double-sided tape, using 3/4" masking tape, cover areas where the tape will be applied.

DO NOT apply double-sided tape prior to painting parts!

STEP 2: After the part is painted, remove the masking tape and make sure the mounting surface (Tape Flange) is free from wax, grease and dirt. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the Tape Flange on the back of the parts. Using supplied 3M adhesion promoter sticks, apply the adhesion promoter to the back of the tape flange on the spoiler where the 3M tape will be applied.

STEP 3a and 3b: Install 1/2" 3M tape to Side Skirts. Use image below as guide. There needs to be three (3) continuous strips of 3M tape. Strip #3 (see below) is a CONTINUOUS strip.

Be sure to apply 3M tape leaving about 1/8" gap from the edge of the part.



USE 1/2" TAPE FOR SIDE SKIRTS!



1

Paint Masking



2

Adhesion Promoter Application

REAR of Side Skirt



= 3M Tape Location

FRONT of Side Skirt



3a

Strip #1

Strip #3

USE 1/2" TAPE FOR SIDE SKIRTS!



3b

Strip #2

Strip #3

USE 1/2" TAPE FOR SIDE SKIRTS!

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Side Skirt Installation:

After test fitting and painting the new Side Skirts, use the following steps for attaching them to the vehicle:

HARDWARE NEEDED:



***Be sure to follow the exact order of this installation process to insure the correct alignment for the Side Skirts!**

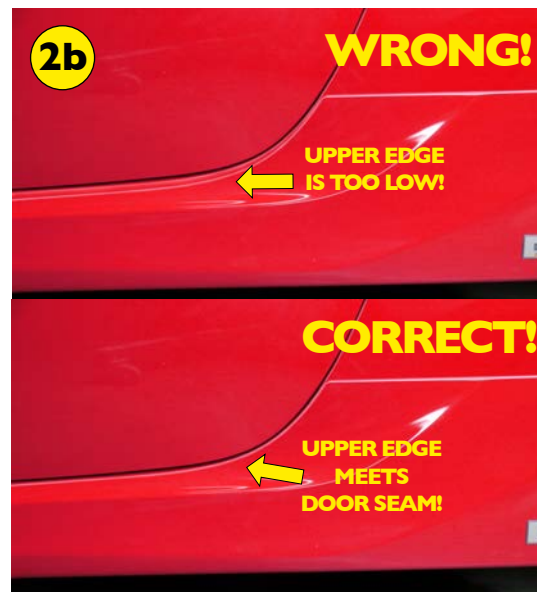
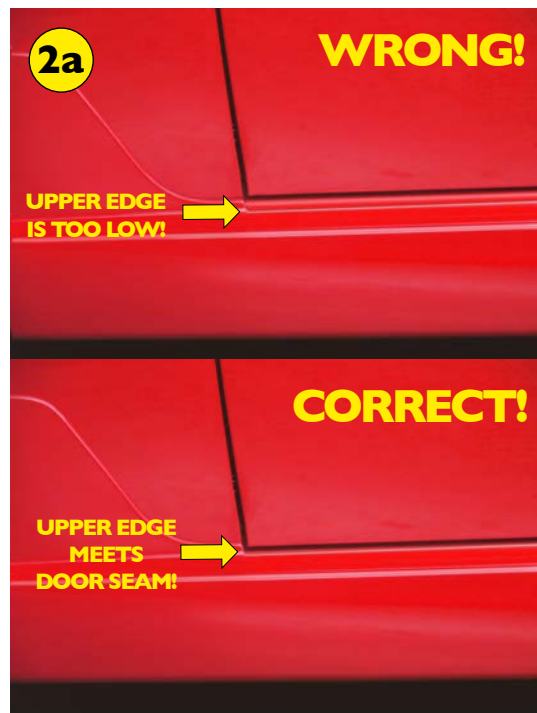
STEP 1: Remove 2 lower stock, philips head plastic clips in the front wheel well. Discard clips.

****VISUAL ALIGNMENT TO CONFIRM CORRECT SIDE SKIRT LOCATION!****

Test fit Side Skirt and to visually see the correct location for the Side Skirt. Note where the top edge meets the door seam. If the stock rocker is visible the side skirt is **TOO LOW!**

STEP 2a: The correct location for the **FRONT** end of the Side Skirt

STEP 2b: The correct location for the **REAR** end of the Side Skirt



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Side Skirt Installation:

(CONTINUED)

STEP 3a and 3b: Temporarily fit the first Side Skirt and note the areas on the side of the vehicle where the part will attach using painters tape.

DO NOT REMOVE tape backing yet!

STEPS 4: Remove factory rock chip guard in door jam.

STEPS 5a and 5b: Remove Side Skirt and prep the 3M backing tape for final install. Flip the backing over to the front side of the part and secure using tape.



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Side Skirt Installation:

(CONTINUED)

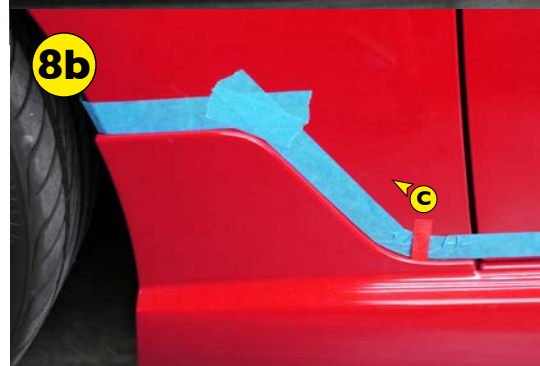
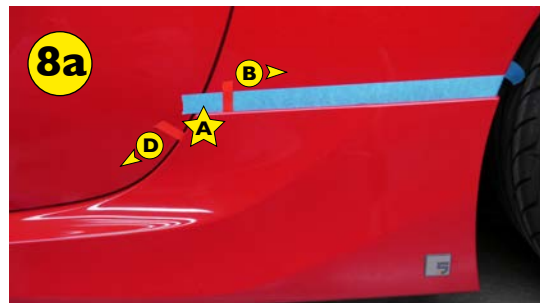
STEPS 6: Clean the paint surface of the vehicle where the 3M tape will make contact using wax and grease remover. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the paint surface where the 3M tape will make contact.

STEPS 7: Apply the 3M Adhesion Promoter where the 3M tape will make contact to the body of the vehicle below the tape line at the REAR and FRONT of door **AND** below the door edge on the body.

STEP 8a and 8b: Re-align the Side Skirt with the painter's tape on the side of vehicle. Starting at the BACK of the Side Skirt, remove 3M tape backing in this **EXACT ORDER:**

- A:** With Side Skirt properly aligned PRESS HERE (A) to secure Side Skirt at correct location
- B:** Pull tape (B) towards BACK of vehicle
- C:** Pull tape (C) (image 8b!) towards FRONT of vehicle
- D:** Pull tape towards FRONT of vehicle

**** WHILE PULLING TAPE (D) BE SURE TO ALIGN UPPER EDGE OF SIDE SKIRT ALONG DOOR SEAM AREA BELOW DOOR FOR CORRECT INSTALLATION LOCATION! ****



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Side Skirt Installation:

(CONTINUED)

STEP 9: *APPLY PRESSURE* along Side Skirt where tape was applied to ensure proper installation!



STEP 10: Using two of the supplied black, plastic push clips secure the Side Skirt into the inside of the front wheel well, pushing the “lock pins” all the way down.



STEP 11: Using two of the supplied self-tapping screws, secure the Side Skirt to the inside of the rear wheel well the the pre-drilled holes in the Side Skirt.

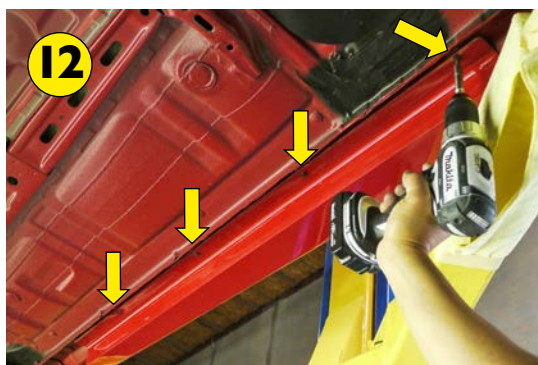


STEP 12: Using four of the supplied self-tapping screws, secure the underside of the Side Skirt to the vehicle by drilling the screws into the stock, black plastic plugs on under side of vehicle using the pre-drilled holes in the Side Skirt.

This must be the **LAST** step to ensure the proper installation of the Side Skirt.

STEP 13: First Side Skirt install complete!

***Repeat steps 1-13 to install second Side Skirt.**



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FIVE:AD 2013 Scion FR-S Rear Spoiler

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Spoiler 3M Tape Install Proper Mounting Technique

The FIVE:AD 2013 Scion FR-S rear spoiler is supplied with a roll of 3M tape and 2 sticks of adhesion promoter. Using one (1) of the sticks of Adhesion Promoter, install 3M Tape to under side of rear spoiler.

STEP 1: Prior to painting parts requiring double-sided tape, using 3/4" masking tape, cover areas where the tape will be applied.

DO NOT apply double-sided tape prior to painting parts!

STEP 2: After the part is painted, remove the masking tape and make sure the mounting surface (Tape Flange) is free from wax, grease and dirt. Using Isopropyl Alcohol on a soft clean cloth thoroughly clean the Tape Flange on the back of the parts. Using supplied 3M adhesion promoter sticks, apply the adhesion promoter to the back of the tape flange on the spoiler where the 3M Tape will be applied.

STEP 3: Install 3/8" 3M tape to spoiler. Use image below as guide. Be sure to use two (2) supplied 3M Die-Cut pieces for spoiler ends. The other sections are made up of four (4) continuous strips of 3M tape. **Be sure to apply 3M tape leaving about 1/4" gap from the edge of the part.**



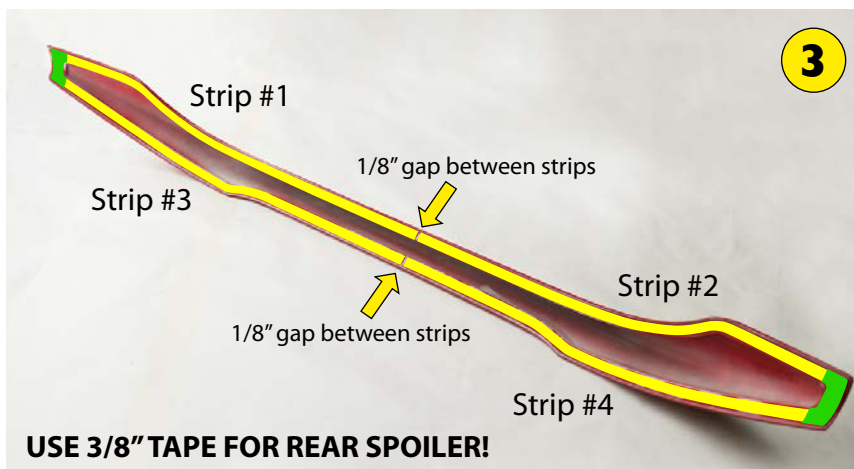
USE 3/8" TAPE FOR REAR SPOILER!




Paint Masking




Adhesion Promoter Application



USE 3/8" TAPE FOR REAR SPOILER!

 = Die-Cut 3M pieces on ends of spoiler

 = 4 separate lengths of 3M Tape



FIVE:AD 2013 Scion FR-S Rear Spoiler

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⚠ ATTENTION ⚠

Installation Templates

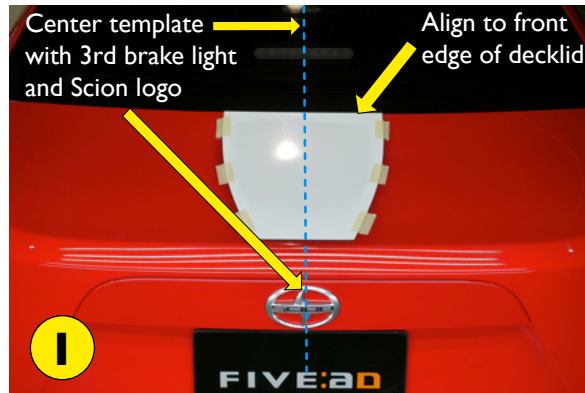
Mounting Templates on Decklid

FAILURE TO USE TEMPLATES WILL VOID WARRANTY AND FIVE:AD WILL NOT BE RESPONSIBLE FOR ANY SPOILERS THAT ARE NOT PROPERLY ALIGNED OR COME LOOSE AS A RESULT!

STEP 1: Visually align Center Template with 3rd Brake Light and Scion Emblem.

Make sure front edge of the template is also aligned with the front edge of the decklid.

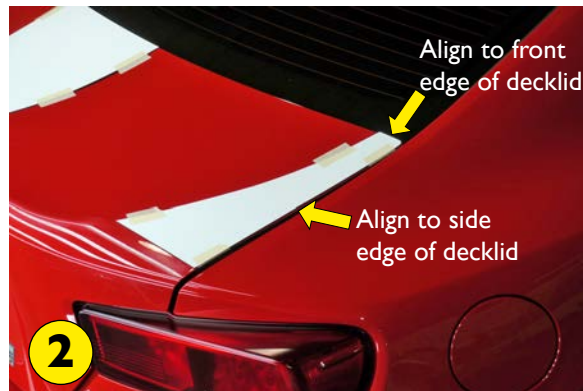
Tape Center Template in place with masking tape on the outer edges.



Center Template

STEP 2: Align Edge Template with the front edge and the outer edge of the decklid.

Tape Edge Template in place with masking tape on the outer edges.



Edge Template (Right and Left)

STEP 3: Final Template Installation should look like this image.



Templates Properly Located

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Prefit and Alignment

Prefit and Define Area for Adhesion Promoter

STEP 1: Place Spoiler on decklid and mark the edge of part with masking tape or similar technique.

This will define the area in which the Adhesion Promoter will be applied.



Marking Spoiler Perimeter

STEP 2: Make an alignment mark near the center line of decklid.

Using tape (width not critical) apply a piece across both the Spoiler and decklid.

This step is a visual reference to ensure easy alignment at final installation.



Taping Alignment Mark

STEP 3: Be sure to cut/break the tape where the Spoiler and decklid meet so the Spoiler can be removed again.



Alignment Mark Complete



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Tape Preparation

Remove Backing and Prep for Mounting

STEP 1: Peel backing off and expose about 1" of the 3M adhesive tape.



Tape Backing Peeled Back

STEP 2: Fold backing over to the front side and secure backing to the front face with tape.



Tape Backing Folded Over & Secured

STEP 3: Repeat steps above for the end pieces of 3M adhesive tape as well.



Tape Backing Peeled Back



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Mounting Spoiler

Secure Top Side First

STEP 1: Apply Adhesion Promoter to the decklid just inside the taped areas.

Be very careful not to go outside the tape reference. Adhesion Promoter does stain painted surfaces.

⚠ ATTENTION ⚠

FAILURE TO USE ADHESION PROMOTER WILL VOID WARRANTY AND FIVE:AD WILL NOT BE RESPONSIBLE FOR ANY SPOILERS THAT COME LOOSE AS A RESULT!



Apply Adhesion Promoter

STEP 2: Using the tape alignment mark, place the Spoiler back on the decklid making sure the mark is perfectly lined up.

Double check the extreme ends of the Spoiler to confirm that it is still centered.



Align Spoiler With Tape Mark

STEP 3: Pull the tape backing exposing more of the 3M adhesive tape while simultaneously indexing the Spoiler against the template and securing the front top edge to the decklid.

****DO NOT PULL THE BACKING THE ENTIRE LENGTH YET! ONLY PULL BACKING TO EDGE OF THE CENTER TEMPLATE!**



Partially Peel Backing About to the Edge of The Center Template



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Mounting Spoiler

Secure Top Side First

STEP 4: Pull the tape backing exposing more of the 3M adhesive tape while simultaneously indexing the Spoiler against the template and securing the front top edge to the decklid.



Adhere Center Upper Portion

STEP 5: Center of spoiler should be adhered to the top of the decklid roughly the width of the Center Template at this step. **DO NOT FULLY REMOVE TAPE BACKING.**

Proceed to outer ends of spoiler for next step.



Center of Spoiler Secured to Top of Decklid

STEP 6: Carefully check alignment of ends by indexing Spoiler against template.

Once perfectly aligned and against template, remove tape backing and secure end of Spoiler to decklid.

Repeat for other side.



Adhering End of Spoiler to Decklid.





FIVE:AD 2013 Scion FR-S Rear Spoiler

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Mounting Spoiler

Adhering the rest of the TOP

STEP 7a: Continue to pull the rest of the tape backing off while applying pressure to the Spoiler along the way.



STEP 7b: Repeat tape removal from Step 7a on opposite side of spoiler.



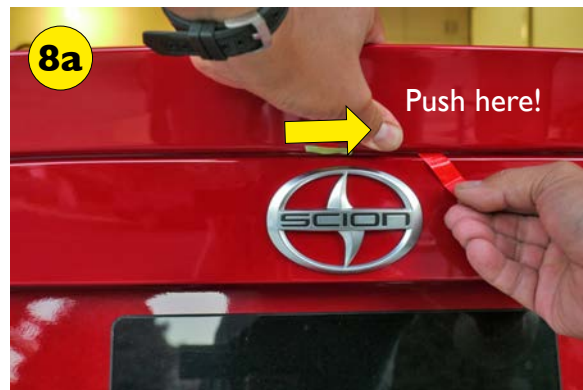
Mounting Spoiler

Adhering the Bottom Edge

STEP 8a and 8b: Once top is adhered, continue to mount the bottom using the similar method of carefully putting pressure on the Spoiler against the car while peeling backing away.

Note: Bottom edge of the Spoiler should **NOT** touch the plastic panel with Scion logo. Bottom edge of spoiler should be 1/8" away from the panel gap.

Rear Spoiler Install Complete!



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