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TOYOTA RAV4
Part Number: 00016-42216
Accessory Code:TG9

2009 -

# FENDER FLARE SET



### **Kit Contents**

Item #	Quantity Reqd.	Description
1	1	Left Front Fender Flare
2	1	Right Front Fender Flare
3	1	Left Rear Main Fender Flare
4	1	Right Rear Main Fender Flare
5	1	Left Rear Door Piece
6	1	Right Rear Door Piece

# **Hardware Bag Contents**

Item #	Quantity Reqd.	Description
1	312"	Edge Trim
2	22	Black Tab
3	14	"S" Clip
4	22	Serrated Flange Screw
5	6	Truss-Head Screw
6	8	Door Pinch Clips

### **Additional Items Required For Installation**

Item#	Quantity Reqd.	Description
1	None	

#### **Conflicts**

Note:

#### **Recommended Tools**

Safety Tools	
Safety Glasses	
Special Tools	
Paper Door Template	DIO
Magnetic Door Template	PIO
Clamp	
<b>Installation Tools</b>	
Nylon Tool	Standard
Wiping Cloth	Non-Scratch, Lint Free
#2 Phillips Bit	Grease Pencil
Ratchet	
Pliers	
<b>Special Chemicals</b>	
Cleaner	Isopropyl Alcohol-Based
Distilled Water	

**Color Applicability/Trim Level** 

Color Color  Vehicle/Trim Color					

**General Applicability** 

Note: Rav4 Models 2009-Up

**Recommended Sequence of Application** 

Item #	Accessory	
1	Fender Flare Set	

\*Mandatory

#### Legend



<u>STOP:</u> Damage to the vehicle may occur. Do not proceed until process has been complied with.



**OPERATOR SAFETY:** Use caution to avoid risk of injury.



<u>CAUTION</u>: 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



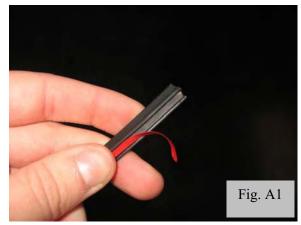
**REVISION MARK:** This mark highlights a change in installation with respect to previous issue.



SAFETY TORQUE: This mark indicates that torque is related to safety.

### **SPECIAL NOTE:**

After **TMS** and **Safety** mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.







Care must be taken while installing this accessory to ensure damage does not occur to the vehicle. approved guidelines to insure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

### A. Installation Preparation

- 1. Verify that the part is for the correct vehicle model and that it fits the vehicle properly.
- 2. During installation, the vehicle, the part, and the tape MUST be between 60° and 110° F for proper adhesion. Failure to maintain proper installation procedure may result in the part not functioning correctly.
- 3. Inspect the vehicle for damage prior to installing the Fender Flares.
  - i. Paint: Prepare part surfaces per Toyota paint standards. Do not use lacquer thinner or enamel reducer as a degreaser.
- 4. Install Edge Trim.
  - i. Peel red plastic liner from adhesive strip.(Fig. A1)
  - ii. Apply to the edge of the flare, starting at one end of the outside of the flare and working to the other. (Front: 78" piece, Rear Main: 44" piece; see iii for Door Piece). (Fig. A2)
  - iii. Apply to the edge of the Door Piece, starting at one end of the outside and working to the other. Stop edge trim at bottom edge of door. (Door Piece: 34" piece). (Fig. A2 & A3)







- 5. Make sure that all Front Flare, Rear Main Flare, and Rear Door Piece installation surfaces are free of dirt and/or grease. (Fig. A4, A5, A6)
  - i. Use a clean, lint-free cloth and isopropyl alcohol-based cleaner.









### **B.** Install Front Flare

- 1. Hold the flare firmly on the fender. Using three forward holes in the flare as a guide, mark three clip locations with a grease pencil. (Fig. B1 and B2)
- 2. Remove flare from fender. Center a supplied Black Tab over each mark made in Step 1. (Fig. B3)
- 3. Slide a supplied "S" Clip over each Tab. (Fig. B4)
- 4. Replace flare on fender, aligning holes with holes in clips. (Fig. B5)
- 5. Start supplied Truss-Head Screws through three rear holes in flare and into factory holes in rear of wheel well. (Fig. B6)

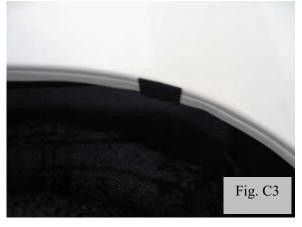












6. Start supplied Serrated-Flange Screws through three forward holes in flare and into the "S" Clips installed in Step 6. (Fig. B8) Using a Right-Angle or Stubby Phillips #2 Screwdriver, tighten all screws.

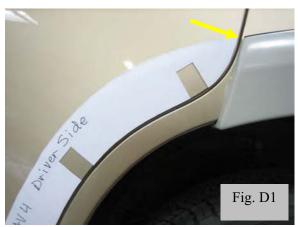
### C. Install Rear Main Flare

- 1. Hold the flare firmly on the fender. Using holes in the flare as a guide, mark four Clip locations with a grease pencil. (Fig. C1 and C2)
- 2. Remove flare from fender. Center a supplied Black Tab over each mark made in Step 1. (Fig. C3)
- 3. Slide a supplied "S" Clip over each Tab. (Fig. C4)











- 4. Replace flare on fender, aligning holes with holes in clips. (Fig. C5)
- 5. Start supplied Serrated-Flange Screws through holes in flare and into the "S" Clips installed in Step 4. (Fig. C6) Do not tighten screws until after the Door Piece is installed.

### D. Install Rear Door Piece

- 1. For DIO installation cut out paper door template, attach the pieces together using the instructions listed on pages 9~11 by aligning the top edge with the previously installed rear flare. Fig. D1
- 2. For PIO installation align the top edge of the magnetic template with previously installed rear flare. Fig. D1
- 3. Attach one black plastic tab to the vehicle door on each of the 4 corresponding locations found on the template. Fig. D2
- 4. Assemble the clip. (Fig. D3)
- 5. Install the clip over the black tabs. (Fig. D4)

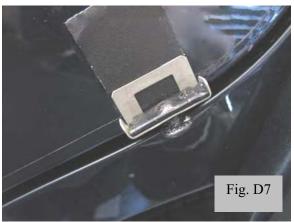




# FENDER FLARE SET





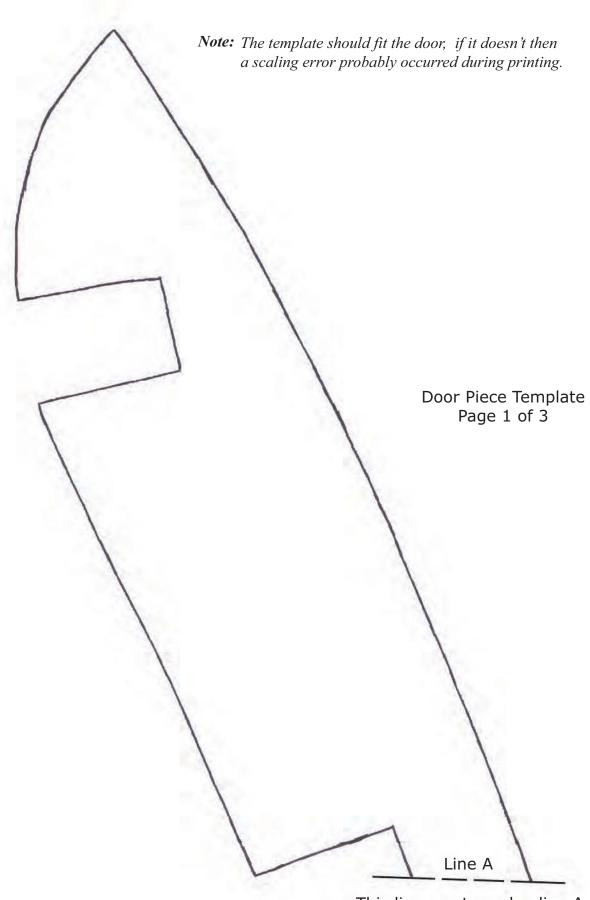




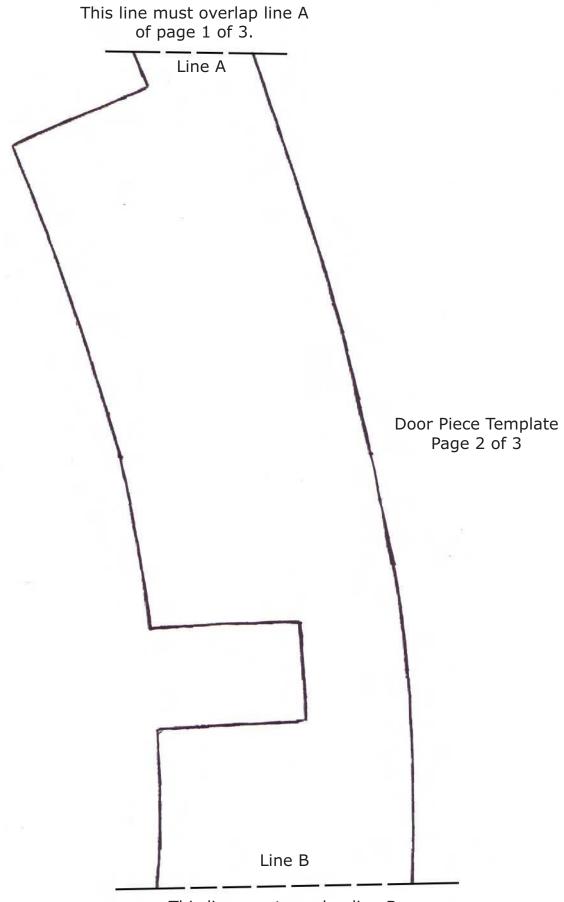
- 6. Press clip into place. (Fig. D5)
- 7. Use pliers to secure the clip to the sheet metal. (Fig. D6)
- 8. Hand start screws through each clip. The end of the shaft should be flush with the uppermost edge of the clip (Fig. D7).
- 9. Hold Door Piece in place with a clamp between the two center locations to apply preload such that plastic is fully set in the clip. Tighten screws in locations immediately to either side of the clamp. Once center two screws are installed, move the clamp up near the top location for the upper screw installation and to the lower location for lower screw installation. (Fig. D8)
- 10. Tighten screws using #2 Phillips bit and small ratchet. (Fig. D9, the clamp was removed from the picture to better show the tools)



Audit Criteria	
Check:	Look For:
Rear Door Swing	Door Flare should not contact Rear Quarter Panel Flare
Verify Tape Adhesion	1mm gap between the screw and the flare will be acceptable. The screw must be tight though.
Verify appearance.	Minor gouges will be acceptable in the fender well area only. They must be touched up.



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