



FENDER FLARES

Assembly, Installation, Operation,
and Maintenance Instructions

PART NUMBER	TFF3002S
INSTALL TIME	2-3 HOURS

VEHICLE FITMENT

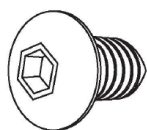
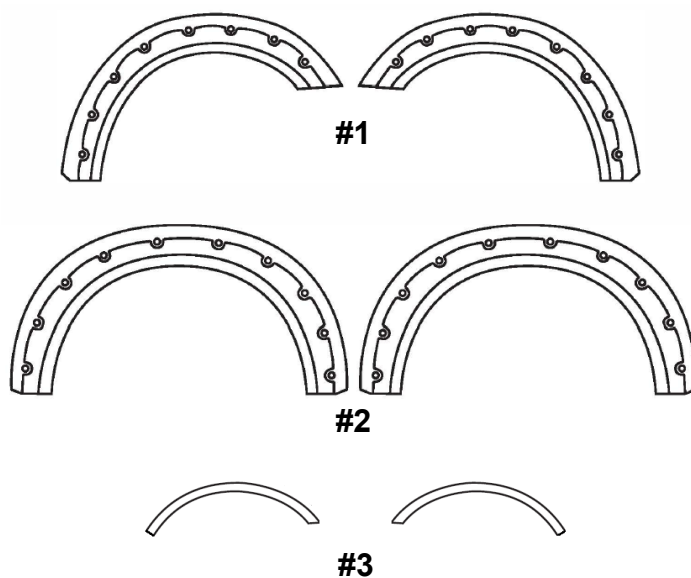
VEHICLES	2009-2014 FORD F150 (EXCLUDES F150 RAPTOR)
DEALER / INSTALLER	Provide a copy of these instructions to the end user of this product. These instructions provide important operating and safety information for proper usage of this product. Demonstrate the proper use of the product with the end user. Have the end user demonstrate that they understand the proper use of the product.
END USER	Read and follow all instructions included in this manual. Ask your Dealer / Installer for assistance if you do not understand the proper use of the product. Never remove any informational or warning labels from the product. Failure to follow these instructions can result in injury or death.

TOOLS REQUIRED (NOT INCLUDED)

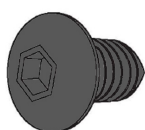
UTILITY KNIFE	#2 PHILLIPS DRIVE BIT
7/32" SOCKET	SOCKET WRENCH
GREASE PENCIL OR MARKER	10mm SOCKET
ELECTRIC DRILL	1/4" DRILL BIT
1/2" WRENCH	

PACKAGE CONTENTS

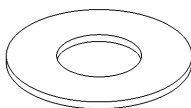
ITEM	PART DESCRIPTION	QTY
1	LEFT & RIGHT FRONT FLARES	1
2	LEFT & RIGHT REAR FLARES	1
3	LEFT & RIGHT FRONT INNER PIECES	1
4A	5/16"-18 STAINLESS STEEL SCREWS	38
4B	5/16"-18 BLACK STEEL SCREWS	38
5	5/16" STAINLESS STEEL WASHERS	38
6	5/16"-18 STAINLESS STEEL LOCKNUTS	38
7	1/4" BLACK NYLON RETAINERS	8
8	SHORT U-CLIPS	2
9	1" X 1.5" BLACK TABS	12
10	LONG U-CLIPS	12
11	#8 TRUSS HEAD SCREWS	14
12	EDGE TRIM TOOL	1
13	TORX BIT	1
14	RUBBER EDGE TRIM	1



#4A



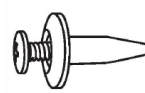
#4B



#5



#6



#7



#8



#9



#10



#11



#12



#13



#14

WARNINGS/SAFETY PRECAUTIONS



Use safety glasses and gloves as necessary when operating power tools.

Dirt and debris may become lodged between the fender flares and the vehicle's fenders, causing scratching and paint wear from vibrations. Keystone Automotive Operations, Inc. is not responsible for any vehicle damage, and customer accepts all associated risks.

Do not over-tighten any screws. Over-tightening may result in stress fractures in the fender flares.

PRIOR TO INSTALLATION:

Thoroughly clean installation area on the vehicle.

Verify contents of box.

Read instructions thoroughly.

Use caution to avoid scratching the fender flare and vehicle.

Verify proper fitment of fender flares to the vehicle. If the vehicle has oversized tires, ensure that the fender flares will not interfere with the tires. It may be necessary to lower bump stops or install steering stops.

Do not use alternative installation methods or materials, such as superglue or Loctite.

If applicable, remove existing fender flares and mud flaps.

Verify that installed fender flares will maintain at least 4 inches of clearance from exhaust pipes. Exhaust gases that discharge onto fender flare surfaces will cause heat distortion and may require modifications to remedy.

PAINTING (OPTIONAL):

NOTE: Painting is optional and should only be attempted on fender flares with smooth outer surfaces. Fender flares with textured outer surfaces should not be painted. Painted fender flares cannot be returned.

1. Clean fender surface with a high-quality degreaser.

NOTE: Do not use any solvent-based product such as lacquer thinner.

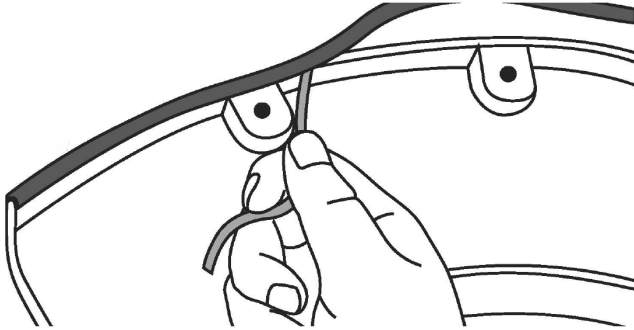
2. Wipe surface thoroughly with a tack rag.

3. Paint fender flares with a high-quality paint lacquer, enamel, or polyurethane automotive paint.

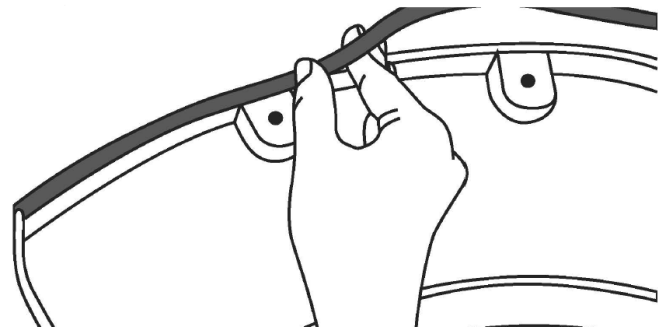
4. If painting edge trim (not recommended), use a flex additive.

EDGE TRIM INSTALLATION

1. Peel 2-3 inches of red tape liner away from the edge trim tape (#14). Apply the adhesive surface of the edge trim to the inner surface of the flare. Install edge trim to the outside perimeter of the fender flare (the portion that physically contacts the vehicle). **(IMAGE 1)**
2. Press the edge trim into place along the top edge of the fender flare while simultaneously pulling away the red tape liner. Continue to work along the entire outside perimeter of the fender flare. **(IMAGE 2)**



(IMAGE 1)



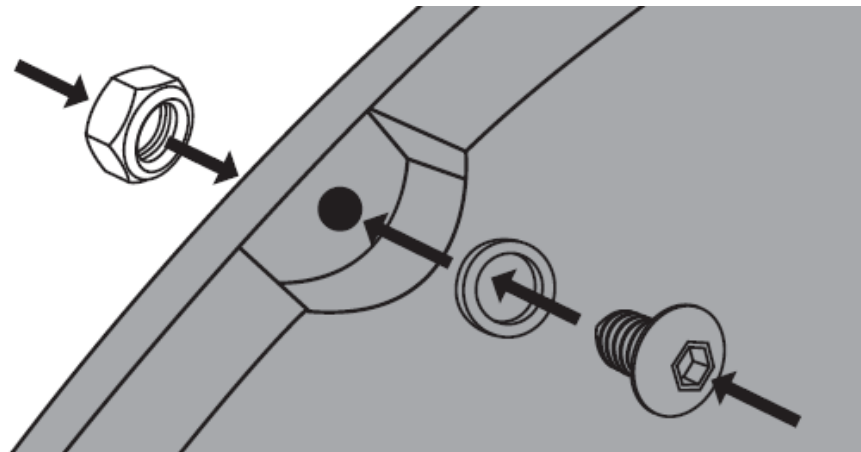
(IMAGE 2)

3. Cut the rubber edge trim to length when the installation is complete.
4. Repeat steps 1-3 for each fender flare.

COSMETIC SCREW INSTALLATION

Install a 5/16"-18 screw (#4A or #4B) and washer (#5) into each pocket hole along the outer edge of the fender flare. Secure with a locknut (#6) using a wrench and Torx bit (#13). Repeat for each fender flare. **(IMAGE 3)**

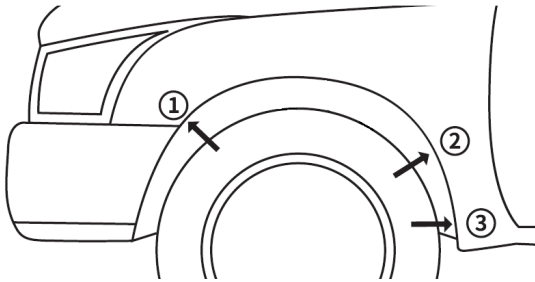
NOTE: Cosmetic 5/16"-18 screws are provided in both stainless and black steel finishes. You may use whichever finish you prefer.



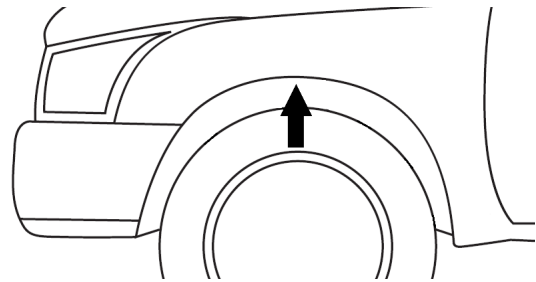
(IMAGE 3)

FRONT FLARE INSTALLATION

1. Remove and save the three (3) original factory hex head screws using a 7/32" socket. These screws are located inside the wheel well where indicated. **(IMAGE 4)**
2. Install a short U-clip (#8) over the fender wheel well lip on the vehicle where indicated. Place the short U-clip over the existing factory hole. **(IMAGE 5)**



(IMAGE 4)

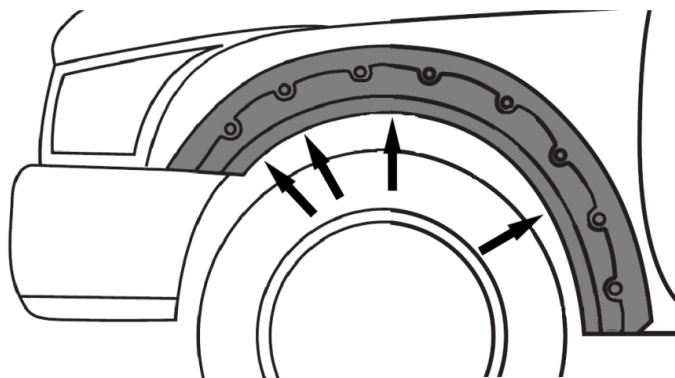


(IMAGE 5)

3. Line up the holes in the inner piece (#3) with the two uppermost factory holes (holes 1 and 2 in **IMAGE 4**) and the short U-clip (#8) that was installed in step 2.

NOTE: Left inner piece is marked with an "L" and right inner piece is marked with an "R".

4. Using a #2 Phillips drive bit, install a truss head screw (#11) through the center hole in the inner piece (#3) and the short U-clip (#8) installed in step 2.
5. Install two of the original factory hex head screws that were saved during step 1 through the remaining two (2) holes of the inner piece (#3) and through the two uppermost factory holes (holes 1 and 2 in **IMAGE 4**).
6. Position the fender flare in place on the vehicle to line up the holes on the fender and the wheel well. Reinstall the rearmost original factory hex head screw (hole 3 in **IMAGE 4**).
7. While continuing to hold the fender flare in place, use an electric drill with 1/4" drill bit to create four (4) new holes in the inner piece (#3). **(IMAGE 6)** Use the frontmost hole in the flare as a guide.
8. While continuing to hold the fender flare in place, install four (4) 1/4" black nylon retainers (#7) through the four drilled holes using a #2 Phillips drive bit. **(IMAGE 6)**

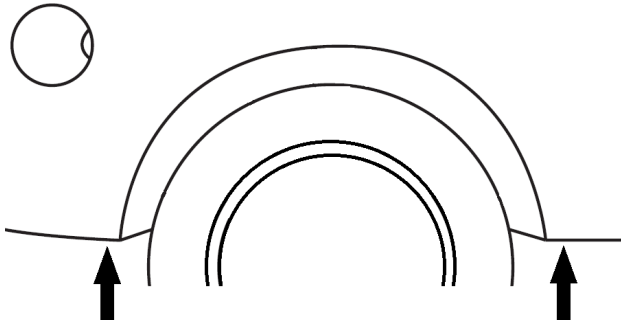


(IMAGE 6)

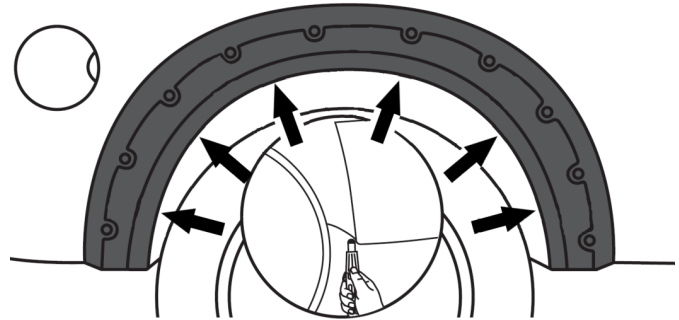
9. Repeat steps 1-8 for the remaining front fender flare.

REAR FLARE INSTALLATION

1. Remove and save two (2) original factory bolts using a 10mm socket. These bolts are located where indicated. **(IMAGE 7)**
2. Hold the flare in position against the vehicle with moderate pressure. Using a marker or grease pencil, mark the position where each fender flare hole is located along the lip of the wheel well. **(IMAGE 8)**



(IMAGE 7)



(IMAGE 8)

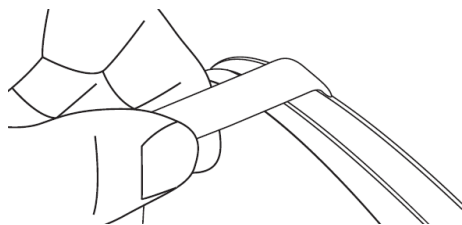
3. Remove the flare and install a 1" x 1.5" black tab (#9) centered over each marked location on the lip of the wheel well. Then slide a long U-clip (#10) onto each of the six black tabs. **(IMAGE 9)**



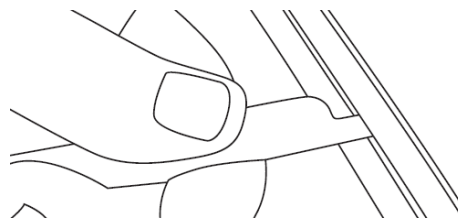
(IMAGE 9)

4. Hold the fender flare in position and loosely install truss head screws (#11) through the two topmost holes in the rear fender flare (#2) and through the aligned long U-clips (#10). Then loosely install truss head screws through the remaining four holes and long U-clips. Tighten all six truss head screws evenly.
5. Using a 10mm socket, reinstall the two original factory bolts that were removed during step 1. **(IMAGE 7)**
6. Repeat steps 1-5 for the remaining rear fender flare.

NOTE: The edge trim tool (#12) may be used after fender flare installation is complete to improve fitment as illustrated. **(IMAGES 10, 11)**



(IMAGE 10)



(IMAGE 11)

CONTACT US

WEBSITE: TrailFX.com

PHONE: 1-866-638-4870

EMAIL: support@trailfx.com

WARRANTY INFORMATION

Limited Lifetime Warranty:

Keystone Automotive Operations (KAO) warrants this product to be free of defects in material and workmanship at the time of purchase by the original retail consumer. KAO disclaims any other warranties, express or implied, including the warranty of fitness for a particular purpose or an intended use. If the product is found to be defective, KAO may replace or repair the product at our option, when the product is returned prepaid, with proof of purchase. Alteration to, improper installation, or misuse of this product voids the warranty. KAO's liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for any incidental or consequential loss or damage.