



STEP 1 – PRIOR TO INSTALLATION

- A) Bushwacker only** approves installing the flares according to these written instructions with the hardware provided. **WARNING:** Failure to install according to these instructions will invalidate the warranty. This includes, but is not limited to using alternative installation methods, hardware, or materials. **DO NOT USE:** Loctite, SuperGlue, or similar products on the hardware or the flares.
- B) Fit:** Verify the fit of the flares to vehicle. (Some filing, sanding, or cutting may be necessary to ensure proper fit).
- C) Painting:** (Optional) if paint is desired it must be done prior to installing flares on vehicle. Clean outer surface with a good grade degreaser. **DO NOT USE LACQUER THINNER OR ENAMEL REDUCER AS A DEGREASER.** Wipe outer surface thoroughly with a tack rag prior to paint. Application of plastic adhesion promoter for ABS plastic as per your paint system manufacturer's recommendations is required. Paint flares using a high quality enamel, or polyurethane automotive paint. If painting edge trim (not recommended), use a flex additive.
- D) Performance:** Using larger Tires may increase the area required to turn the vehicle. Some Tire/Rim combinations may require lowering bump stops and or installing steering stops to prevent tire from contacting flare.
- E) Exhaust System:** Modifications may be necessary to maintain a minimum 4" clearance between flares and exhaust pipes. (Exhaust gases should not vent directly onto flares)
- F) Metal Protection:** All exposed fasteners and bare metal should be treated with rust resistant paint **BEFORE** installing flares. Spray inner fender wells with undercoating **AFTER** flare attachments have been completed.
- G) Decals:** Flares may interfere with existing decals on vehicle. If you wish, remove decals prior to installation of flares.
- H) Care & Cleaning:** Bushwacker fender flares are built to last; any detergent you use to wash your vehicle is sufficient to clean the flare. Do not use any harsh abrasive detergents.

Jeep® Cut-Out™ Fender Flares Set of 4

Set Part #10926-07

Rev-8 05/19/17

For complete fitment info visit : www.bushwacker.com

TOOLS FOR EASY INSTALLATION:

- Grease Pencil or Scribe
- Heavy Hammer
- Reciprocating Saw
- Pliers, Sheet Metal Pliers
- Electric Drill
- 3/32", 3/16", 1/8" and 1/4" Drill Bits
- #2 Phillips Driver
- Utility Knife
- Cut-off Wheel
- Angle Grinder
- Sand Paper
- Urethane Caulking/Sealant
- Caulking Spreader
- Measuring Tap/Ruler
- Heat Gun
- Socket Wrench
- 3/8" , 5/16" Socket
- 10mm Deep Socket
- 3" Socket Extension
- Torque Wrench
- Impact Wrench
- Masking Tape
- Partner/Helper
- Pry Tool
- Measuring Tap/Ruler
- Car Jack/Jack Stands
- Awl

NOTE: These instructions involve cutting parts of the vehicle.















It is important to read all instructions prior to cutting and installing of flares.

PLEASE READ: Dirt and debris can become lodged between the fender flares and the vehicle's fenders, causing scratching and paint wear from vibration. Lund International is not responsible for any damage, and the installation of our fender flares is done with the buyer's understanding that this scratching and paint wear may occur.





LIMITED LIFETIME WARRANTY AGAINST ANY MANUFACTURING DEFECTS

- To claim a warranty, you must provide Proof of Purchase.

Included in Hardware Kit:

- | | | | | | | |
|---|---|---|--|--|---|--|
| 1. 
SW1-0052,
T-45 Torx Bit,
1 pc | 2. 
AD1-0010,
LARGE ALCOHOL
PREP PAD,
6 pcs | 3. 
RV1-P008,
1/4" Panel
Retainer,
28 pcs | 4. 
SP1-0011,
1/4" x 5/8" x .187"
Neo Black Spacer,
2 pcs | 5. 
SW1-0045,
#14-14 x 1"
Torx Screw,
34 pcs | 6. 
SP1-0009,
3/8" x 5/8" x .187"
Neo Black Spacer,
32 pcs | 7. 
SW1-0056,
#8 x 3/4"
PH Screw,
14 pcs |
| 8. 
SW1-0006,
1/4-20 x 1" SS
Slotted Screw,
4 pcs | 9. 
NU1-0011,
1/4-20 SS Serrated
Flange Nut,
4 pcs | 10. 
MB1-0003,
GDB Mounting
Bracket,
4 pcs | 11. 
SW1-0054,
8-32 x 1" Phillips
SS PH Screw,
4 pcs | 12. 
NU1-0004,
10-24 Nylock Nut,
4 pcs | 13. 
WA1-0014,
#10 SAE SS Black
1/2" Flat Washer,
8 pcs | 14. 
AD1-0006,
ADHESIVE
PRIMER AMP,
2 pcs |

Included in Hardware Kit (continued):

- | | | | |
|---|---|---|---|
| 15. | 16. | 17. | 18. |
|  |  |  |  |
| MT1-0025,
1/2" Double Sided
Tape,
32 inches | GP1-0020,
5/8" Black
Extruded Molding
104 inches | GP1-0005,
Large Wiper Style
Edge Trim,
306 inches | ET1-0002,
Edge Trim Tool,

1 pc |

Included Parts:



STEP 2 - EDGE TRIM INSTALLATION

NOTE: Edge trim (GP1-0005) will be installed on the FLARES only, not the inner pieces.

A. Peel two to three inches of red vinyl backing away from Edge Trim (GP1-0005) tape. Applying the adhesive side of the edge trim to the inner side of the flare, affix the edge trim to the top edge of the flare (the portion that comes in contact with the vehicle).

B. Press edge trim into place along the top edge of the flare in one-foot increments, pulling red vinyl backing free as you continue to work your way around the top edge of the flare.



Front Flare Installation Procedures (Driver's Side):



Using a car jack, lift vehicle from the ground and place jack stands under lower control arms to prop up during installation. Remove tire using an impact wrench.



Using a #2 Phillips Screwdriver, remove factory screws from upper side cladding (2 places). For models with rocker panels installed, remove screw from end of rocker panel (1 place).



(Note: For models with Rocker Panels installed)
Using a #2 Phillips Screwdriver, remove screw from rocker panel in rear wheel well.



(Note: For models with Rocker Panels installed)
Open front and rear doors. Using a pry tool, remove retainers along top of rocker panel.



(Note: For models with Rocker Panels installed)
Remove rocker panel and clean exposed sheet metal.



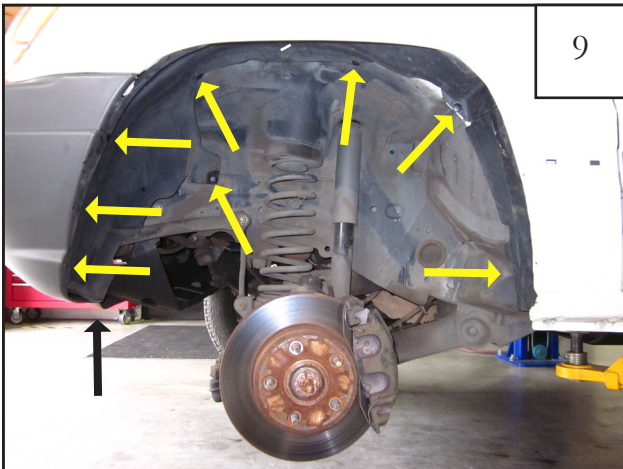
Using a pry tool, separate the factory front side cladding from the sheet metal along the bottom taped edge.



7
Pull firmly to remove upper factory fasteners in front side cladding piece from fender. Clean exposed sheet metal.



8
Using a pry tool or utility knife, remove factory fasteners from wheel well splash shield (9 places).



9
Splash shield fastener locations.



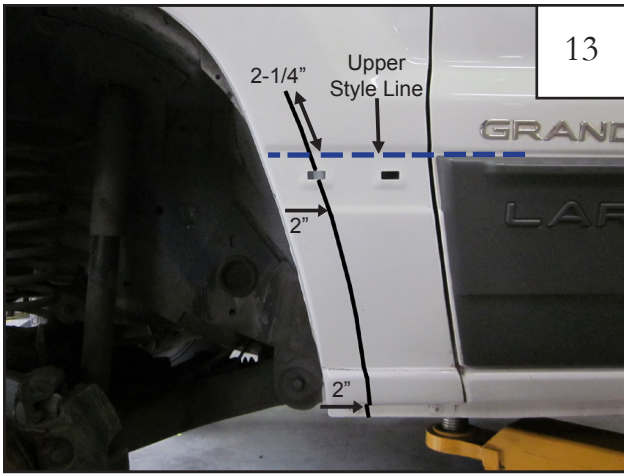
10
Remove splash shield and push sound dampening foam back into inner wheel well behind the fender.
NOTE: If debris is present in inner wheel well, remove before continuing installation.



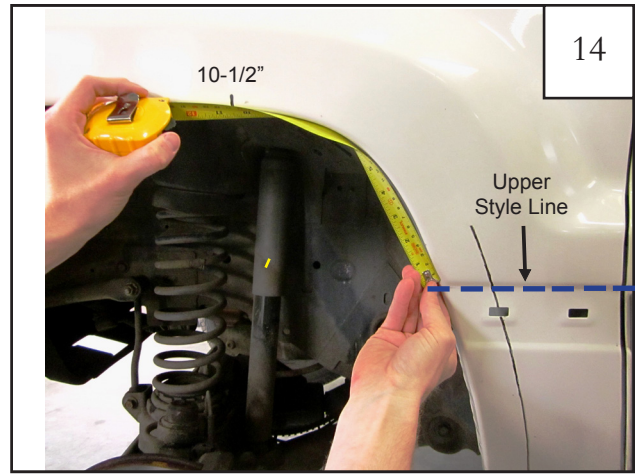
11
Using a 10mm socket and ratchet, remove factory screw from top of front bumper. Retain screw for re-installation.



12
Push front bumper forward away from wheel well to release from factory installed clip in fender.



13
Mark vehicle for cutting: Make a line 2" in from the edge of the wheel well extending from the bottom of the sheet metal pinch weld to 2-1/4" above the upper style line at cladding sheet metal.



14
Starting at upper style line, measure up 10-1/2" from upper style line of cladding/sheet metal along edge of wheel well and mark with grease pencil.



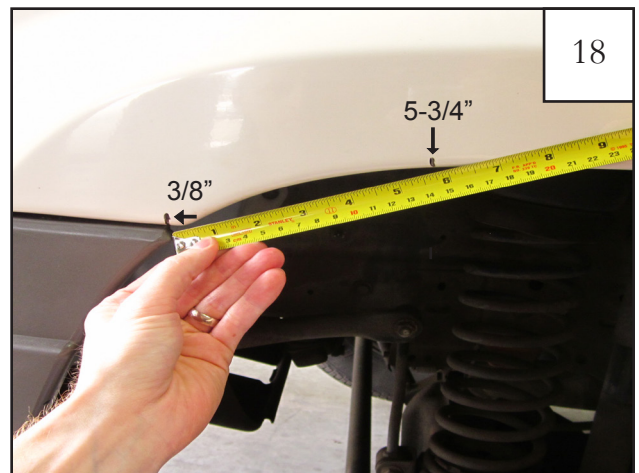
15
Hold the flare up to the fender as a guide. Make a line connecting the marks made in steps 13 & 14.



16
Markings should be as shown.



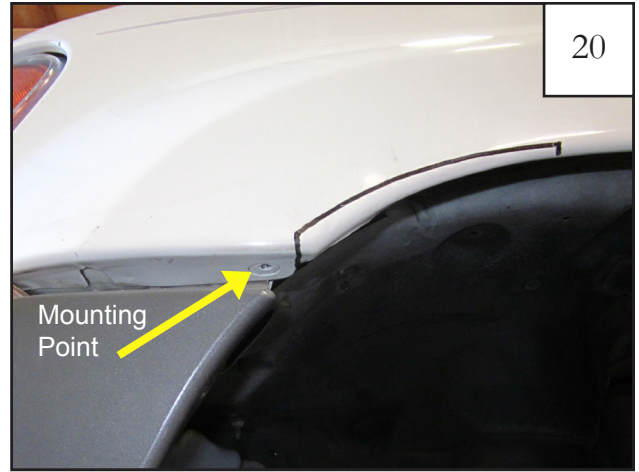
17
Mark vehicle for cutting: Make horizontal marks from wheel well to line drawn in previous steps about two inches apart as shown in picture. Make marks closer together around tight corners and style lines.



18
Where the bumper and fender meet along inner wheel well, make a mark 3/8" in from wheel well. Then measure back 5-3/4" along edge of fender and mark.



Hold the flare up to the fender as a guide. Make a mark connecting the two marks made in step 18.



Markings should be as shown.
NOTE: *Marking should not cut out mounting point. This is needed to re-attach bumper.*



Make a mark approximately 1/4" in from the edge of the wheel well lip starting at the bottom of the wheel well extending to the uppermost point of the markings.



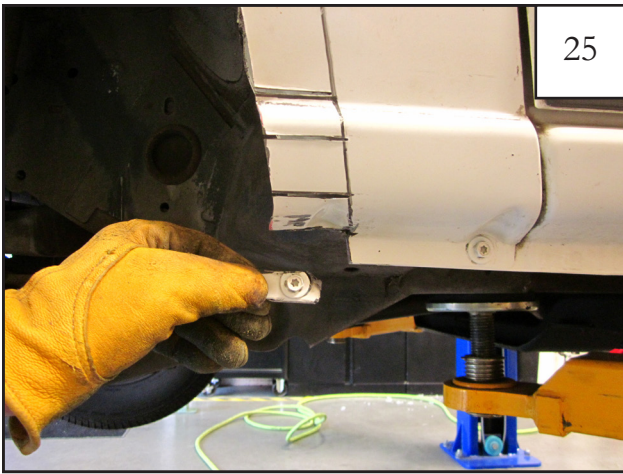
Using a cut off wheel or other suitable tool, cut along line marked in step 21 removing the inner flange.



Using a cut off wheel or other suitable tool, cut along horizontal marks from wheel well to inner cut profile line.



Using cut off wheel remove section containing bolt at the bottom pinch weld of fender. See step 25 for illustration of section to be removed.



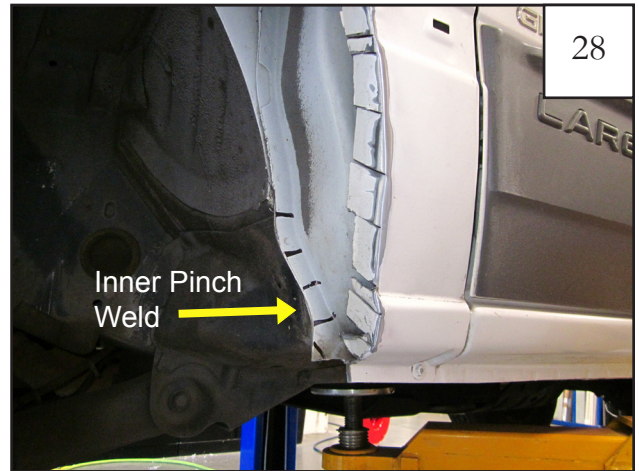
Removed section of bottom fender pinch weld with bolt.



Use pliers to bend back horizontal sheet metal tabs. Use a hammer to flatten out sheet metal tabs. Avoid bending or distorting outer sheet metal.



Using an angle grinder or sandpaper, sand the chipped paint along bent edge of the wheel well.



Mark the inner pinch weld with 5 lines approximately 2 inches apart starting from the bottom.



Using a cutoff wheel or other suitable tool, starting at the bottom line, cut horizontal marks in the pinch weld.



Using a hammer, pound the tabs made in the inner pinch weld flat against wheel well.



Use a small wood block to prop the bumper away from the fender in preparation for sheet metal trimming.



Starting at the front edge, cut out mark shown in Step 20.
NOTE: Do not cut out the mounting point located at the front of the cut line.



Using an angle grinder or sandpaper, sand the chipped paint along cut edge of the wheel well.



Hold flare up to wheel well to confirm fit. Make adjustments to cut as needed.



Apply urethane caulking or primer to seal any exposed sheet metal for rust prevention.



Completed cut-out with caulking applied.



37

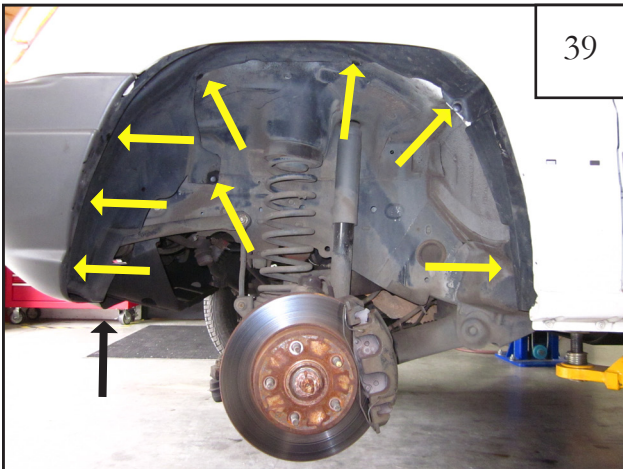
Using a 10mm socket & wrench, re-install factory screw attaching bumper to fender.



38

Re-install splash shield using supplied panel retainers (RV1-P008). See next step for retainer locations.

NOTE: Do not fully install panel retainers. Splash shield must be remolded. See step 40



39

Splash Shield retainer locations (9 places).



40

Using a heat gun, heat splash shield until pliable and use heavy work gloves to push and mold splash shield into place aligning with trimmed inner wheel well. Hold it in place and allow to cool. Then fully install push retainers in splash shield.



41

Hold flare in place on vehicle, mark hole locations on fender through holes drilled in pockets of flare.



42

Using a 3/16" drill bit, drill holes marked in step 41.



43

4" spacer (SP1-0011)
used only on front
pocket

Install a Torx screw (SW1-0045) through **FRONT** pocket hole of flare and secure with rubber spacer (**SP1-0011**) using supplied #45 Torx bit (SW1-0052). The torx bit fits into a 5/16" socket. Use with a 3-6" extension for drill or air ratchet. Drive screw into spacer until tight.



44

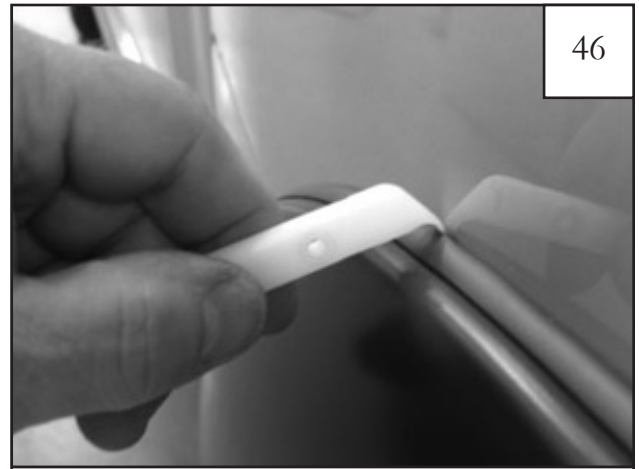
8" spacer (SP1-0009)
used for all pockets
except front

For all remaining pockets, install a #45 Torx screw (SW1-0045) through pocket hole and secure with rubber spacer (**SP1-0009**) using supplied #45 Torx bit (SW1-0052). Drive screw into spacer until tight. Repeat for all remaining pockets.



45

Hold flare in place on fender. Using the provided torx bit driver and ratchet with 3" extension, start each screw into drilled holes.



46

Using supplied Edge Trim Tool (ET1-0002), seat edge trim against vehicle by hooking curved end under edge trim at one end of flare. Next, slide around outer edge of flare to the other end. You should repeat this process once screws are tightened.



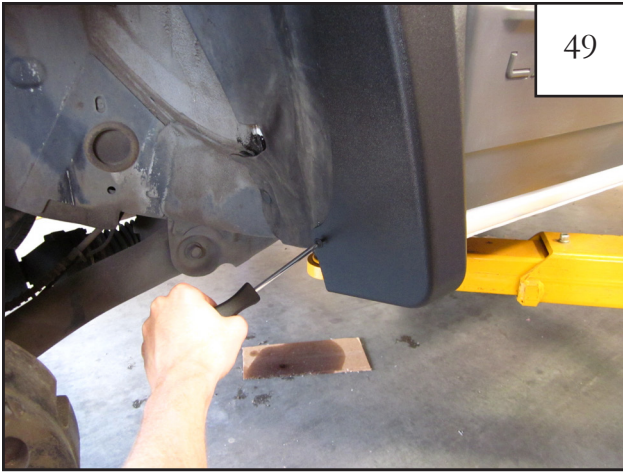
47

With the edge trim in place and once all screws have been started, snug screws to vehicle. Torque screws to 24 in•lb (2 ft•lb). **DO NOT OVERTIGHTEN!**

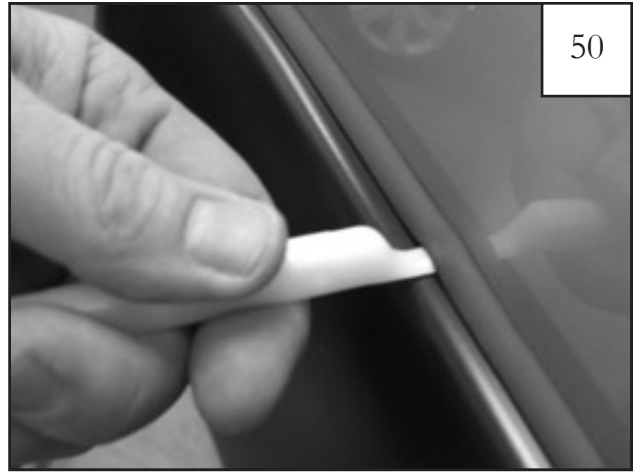


48

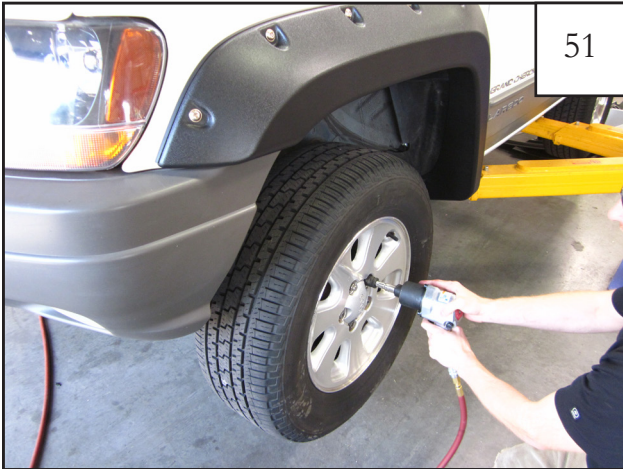
Using a 3/32" drill bit, drill hole through flare into sheet metal near the back inside edge of the wheel well.



Using a phillips screwdriver, install supplied screw (SW1-0056) into hole drilled in step 47.



Using flat end of supplied Edge Trim Tool (ET1-0002), seat edge trim against flare by inserting straight end between edge trim and flare at one end. Next, slide around entire edge to the other end.



Re-install tire using an impact wrench.



Completed front flare installation.

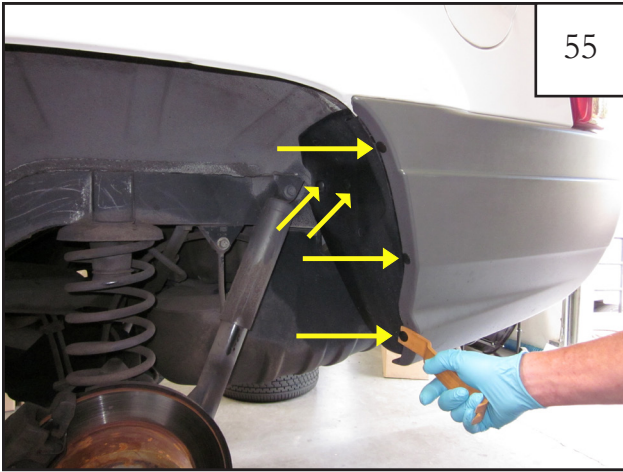
Rear Flare Installation Procedures (Driver's Side):



Remove tire using an impact wrench.



Using a #2 Phillips Screwdriver, remove factory screws from upper side cladding (3 places). Remove cladding.



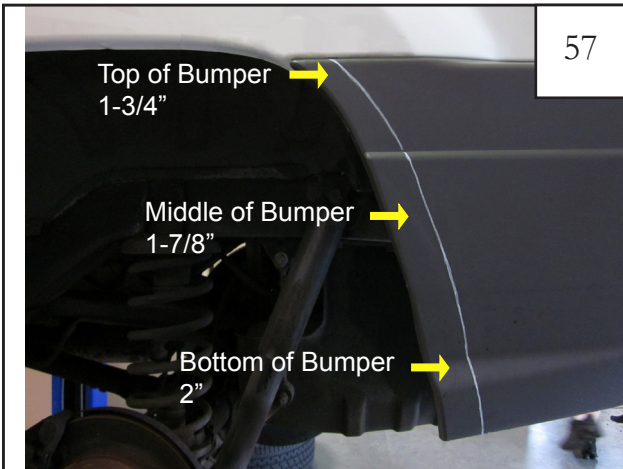
55

Using a pry tool or utility knife, remove plastic retainers from the rear bumper piece and inner splash shield (5 places). Remove inner splash shield.



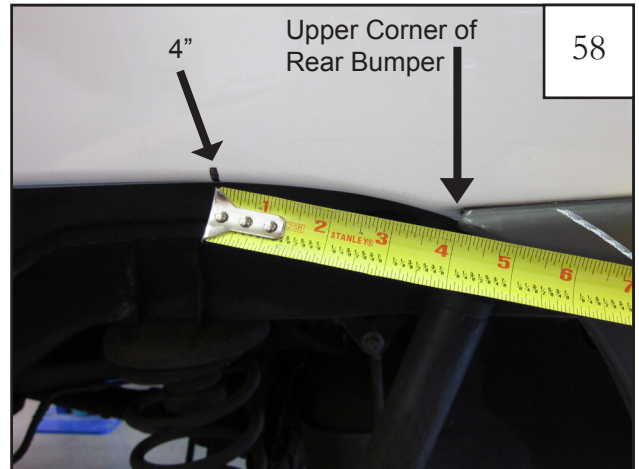
56

Using a 10mm deep socket and wrench, remove bolts on inner side of fender lip (2 locations).



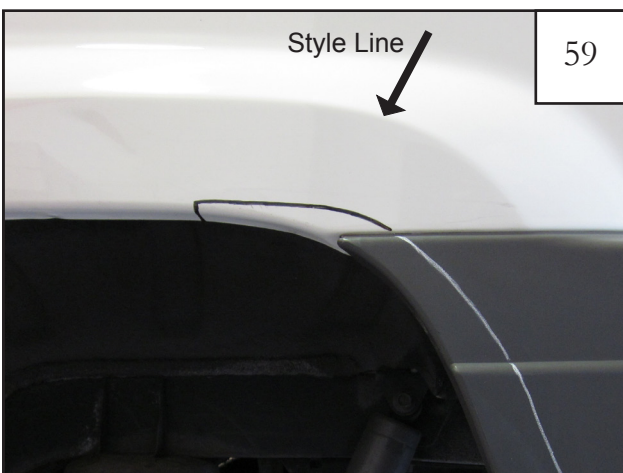
57

Mark rear bumper for cutting: 1-3/4" at top of bumper, tapering to 1-7/8" in middle of bumper and 2" at bottom of bumper.



58

Starting at the upper corner of the rear bumper, measure forward 4" along upper edge of fender lip and make a mark extending up 1/4".



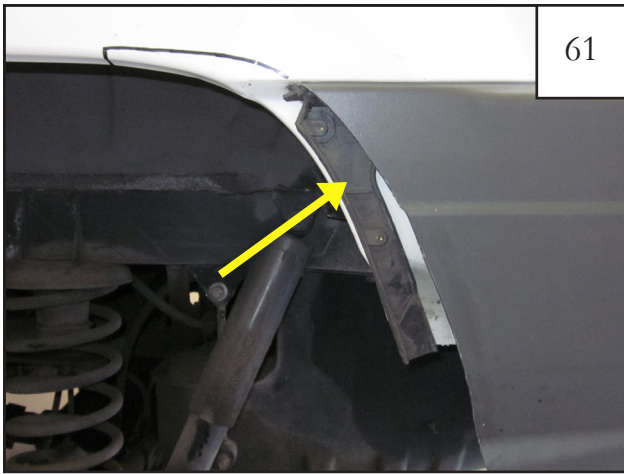
59

Make a line connecting the marks made in steps 57 and 58. The line should be parallel to the style line of the fender as shown.



60

Using a cut off wheel, sawsall or other suitable tool, cut along line marked on bumper only. **NOTE: DO NOT CUT SHEET METAL AT THIS TIME.**



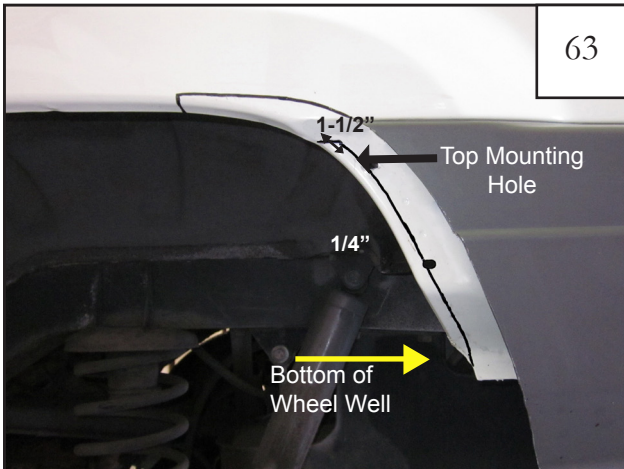
61

Use a cutoff wheel to trim the bumper support bracket parallel to trimmed bumper.



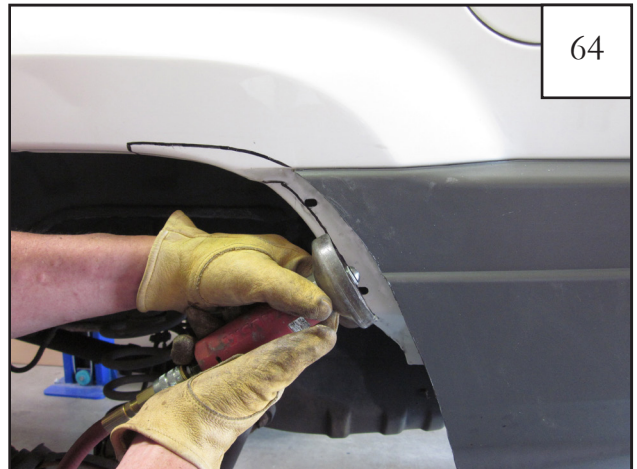
62

Remove trimmed bumper support bracket.



63

Make line extending from the bottom of the wheel well to approximately 1-1/2" above the top mounting hole. The line should be 1/4" in from edge of the wheel well.



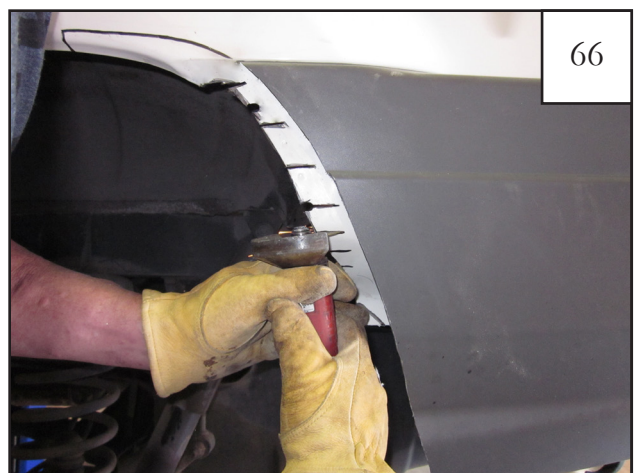
64

Using a cut off wheel or other suitable tool, cut along line marked in step 63 removing the inner flange.



65

Mark vehicle for cutting: Make lines on sheet metal as shown in picture.



66

Using a cut off wheel or suitable tool, cut along marks made in previous step to create tabs.



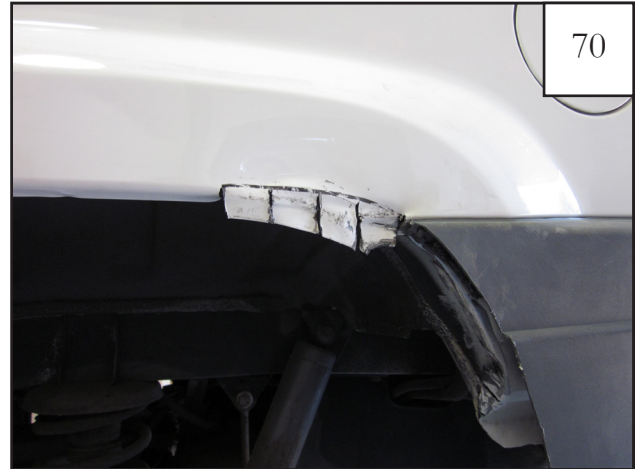
Using a hammer, pound the tabs made in the inner sheet metal flat against wheel well.



Mark vehicle for cutting: Make lines on sheet metal as shown in picture.



Using a cut off wheel or suitable tool, cut along marks made in previous step to create tabs.



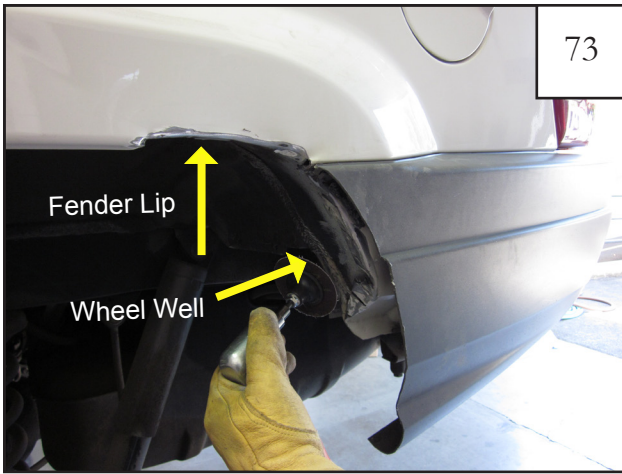
Use pliers to straighten and flatten out tabs.
Note: May need to cut away additional portion of tab on the radius to allow room to flatten tab to inner wheel well.



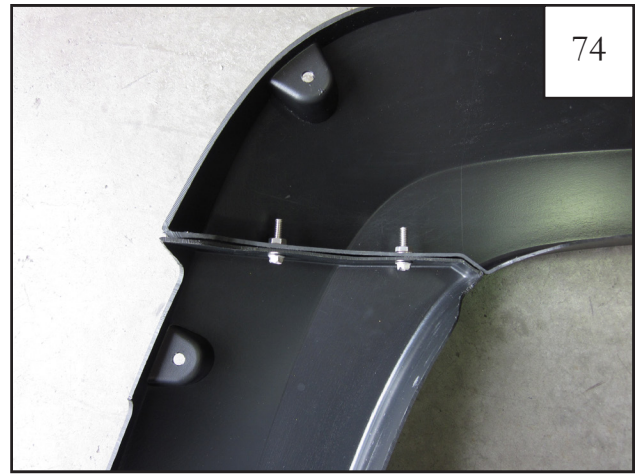
Use sheet metal pliers to bend straightened tabs back and up into wheel well.



Use hammer to flatten tabs against inner wheel well.



Using an angle grinder or sandpaper, sand the chipped paint along bent edges of the fender lip and wheel well.



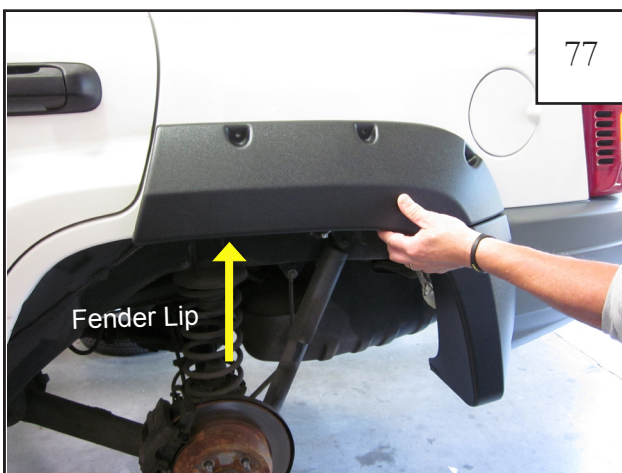
Using a 7/16" wrench and 3/8" socket, bolt rear main flare to bumper piece using supplied screws (SW1-0006) and nuts (NU1-0011). Do not fully tighten screws. Parts are marked on the inside. Driver's side: D3 for main flare, D4 for bumper piece. *Note: Be sure to select the correct style bumper.*



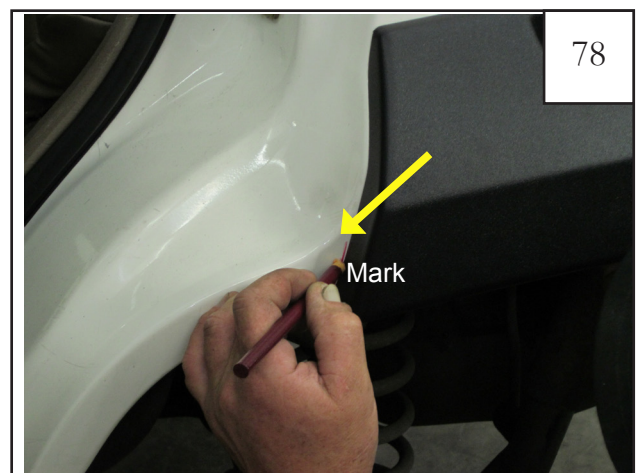
Check alignment of main flare and bumper piece to each other. Line up the three style lines.



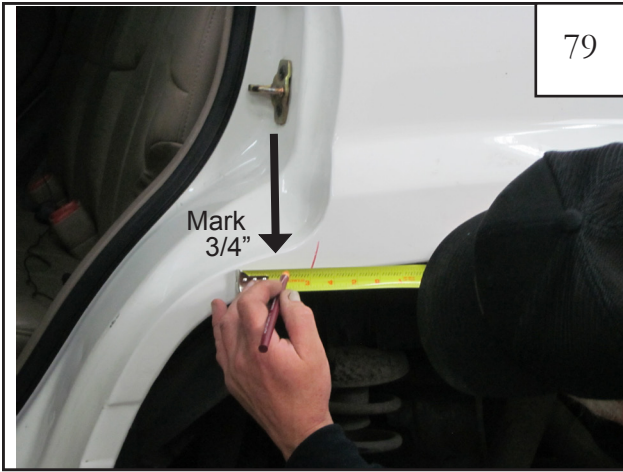
Once satisfied with alignment, tighten all screws.



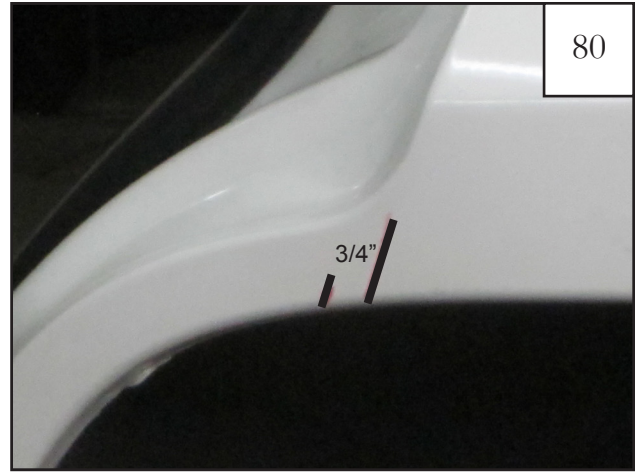
Hold assembled flare in place on vehicle aligning forward edge with the door seam and inside edge of rear main part with fender lip. Confirm fit cut areas and make adjustments as needed.



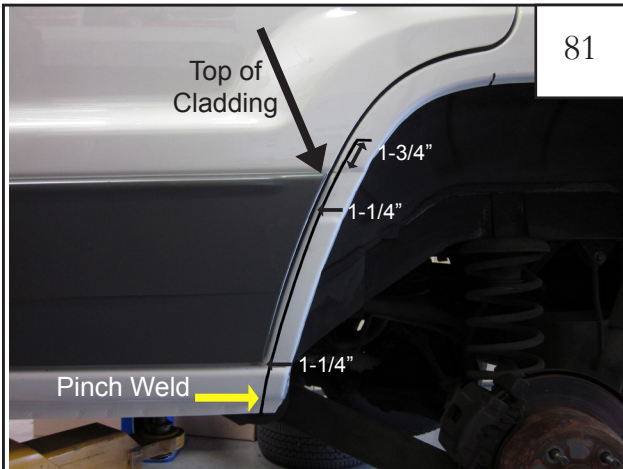
Mark Vehicle for cutting: With assembled flare held in place and aligned with door seam, make a line along front edge of flare.



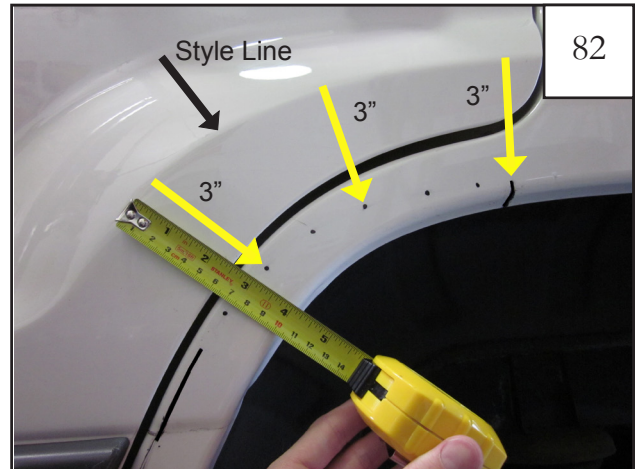
Measure 3/4" toward the front of the vehicle from the mark made in previous step along fender lip. Using a grease pencil, make a mark.



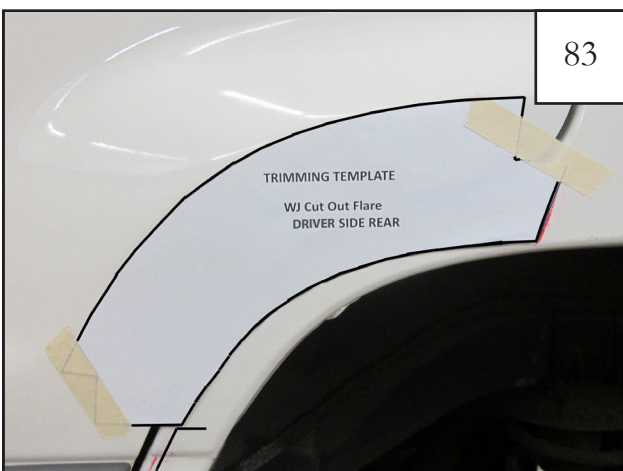
Marks should be as shown.



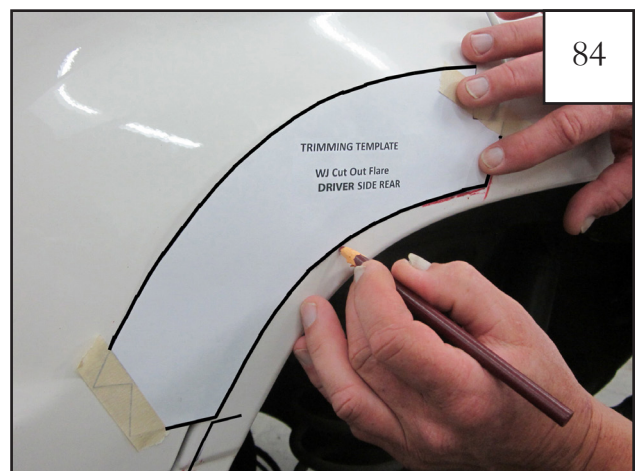
Mark vehicle for cutting: Make a line 1-1/4" in from the edge of the wheel well extending up from the bottom pinch weld to 1-3/4" above the top of the cladding.



Using a measuring tape and following the contour of the sheet metal style line, measure 3" perpendicular to style line toward inner wheel well to make guide marks.



Using marks made in step 79 and 81 as a guide, set your supplied paper template on vehicle. Template should line up with both marks on either end. Outside curve of template should lay along style line on door. Template should be printed side up.



Using a grease pencil, draw a line along the lower edge of the template to connect marks made in previous steps.



85

Markings should be as shown.



86

Mark vehicle for cutting: Make marks from inner wheel well to line drawn in previous steps about 2" apart as shown in picture. Make marks closer together around tight corners and style lines.



87

Using a cut off wheel, sawsall or other suitable tool, cut along horizontal marks from wheel well to vertical line. **NOTE: DO NOT OVERCUT!**



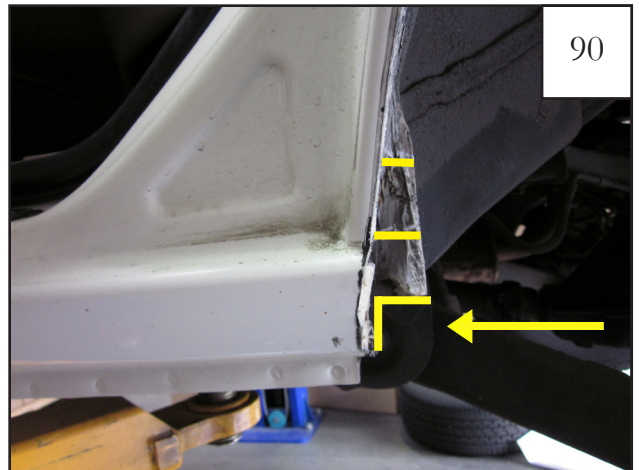
88

Using a cut off wheel, reciprocating saw or other suitable tool, remove tabs cut in previous step. *Tip: Using a reciprocating saw works best for this cut.* **NOTE: DO NOT OVERCUT!**



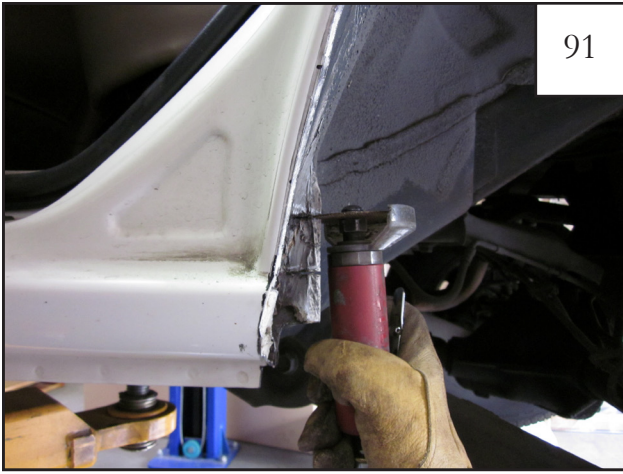
89

Mark vehicle for cutting: Make horizontal marks on the inner pinch weld flange approximately 1-1/2" apart.



90

Cut away lower corner of pinch weld.



91

Using a cut off wheel or other suitable tool, cut along horizontal marks made in step 89.



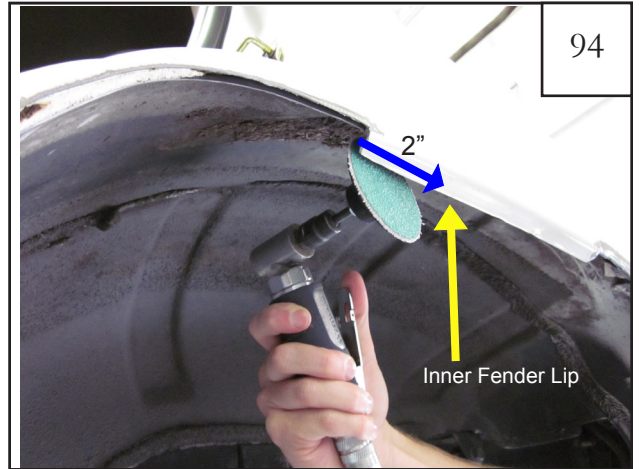
92

Using a hammer, flatten pinch weld tabs against inner wheel well.



93

Using an angle grinder or sandpaper, sand and smooth cut along fender lip.



94

Using an angle grinder or sandpaper, smooth inner edge of fender lip 2" back from edge of cut.



95

Hold cut cover piece in place on vehicle. Confirm fit to cut areas and make adjustments as needed. Parts are marked on the inside. Driver's side: D2 for cut cover piece.

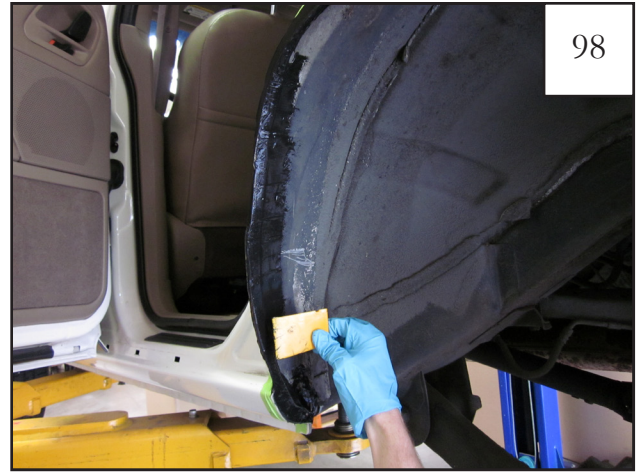


96

With door open, run masking tape along cut edges around door seam in preparation for sealing/caulking.



Apply urethane caulking or primer to all cut areas of wheel well to seal any exposed sheet metal for rust prevention.



Use a spreader to smooth and evenly spread caulking along cut areas. Allow caulking or primer to partly dry before proceeding. Does not need to be fully cured.



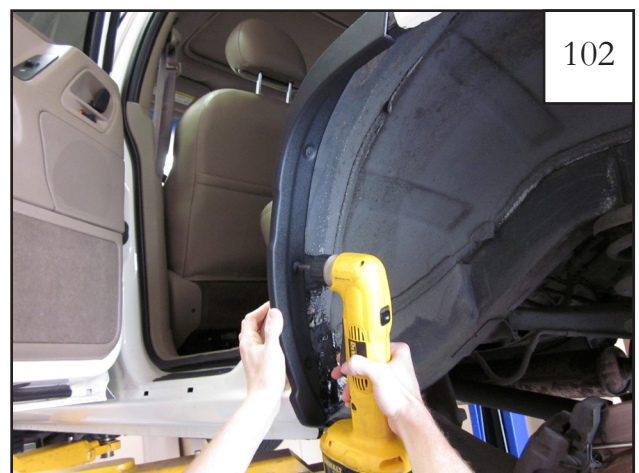
Hold cut cover in place and mark inner wheel well through holes in part (4 locations).



Remove part and drill marked locations using a 3/32" drill bit (4 locations).



Prior to installation of the cut cover, apply another layer of caulking to help keep cut cover in place.



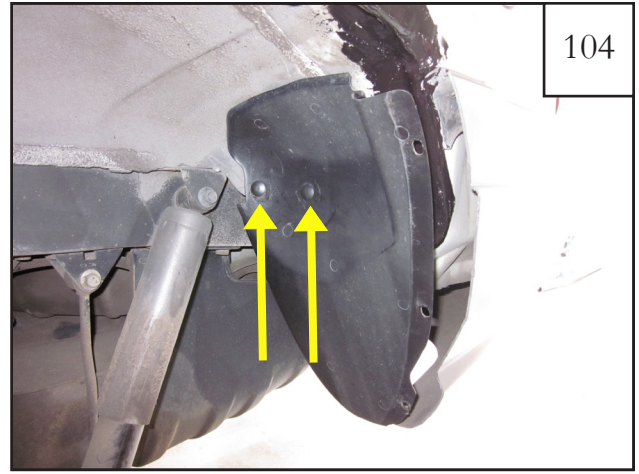
Place cover piece back on vehicle. Using a #2 phillips head, install screws (SW1-0056) through cover piece into holes drilled in step 100. Remove excess caulking along edges if needed.

Tip: A power drill works best, do not overtighten.



103

Installed cut cover.



104

Re-install splash shield using supplied panel retainers (RV1-P008). **NOTE: Do not fully install push retainers. Splash shield must be re-molded. See step 105.**



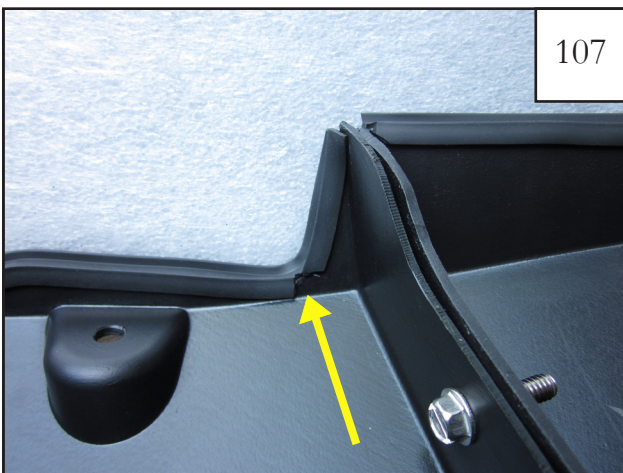
105

Using a heat gun, heat splash shield until pliable and use heavy work gloves to push and mold splash shield into place aligning with inner wheel well. Hold in place and allow to cool. Then fully install push retainers into splash shield.



106

For Edge trim application on rear main flare and bumper piece, follow steps as listed at the beginning of the instructions set. To apply edge trim around area where the two pieces connect, refer to this image and the next.



107

The Edge Trim (GP1-0005) on the sharp inside radius of bumper piece may need to be notched to fit correctly.

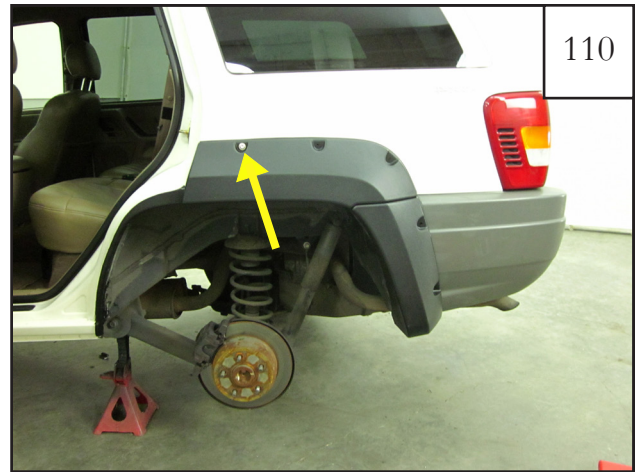


108

Hold flare in place on vehicle. Using an awl or grease pencil, mark hole locations onto fender through holes drilled in pockets of flares. Also mark mounting hole location on underside of bumper piece.



109
 Drill holes in fender and bumper at marks with a 3/16" drill bit. Use 1/4" drill bit to drill mark on underside of bumper.



110
 Install one screw (SW1-0045) in top front hole of flare to hold it in place while making marks in the next step.



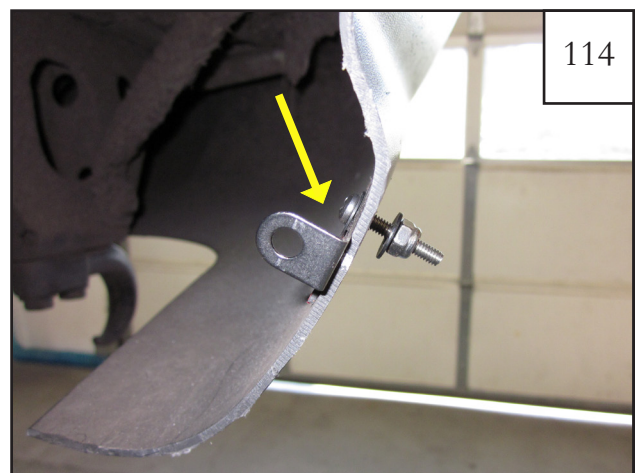
111
 Hold flare and bumper piece in place so that the holes in the bumper piece barely overlap the cut bumper and mark the locations on the edge of the bumper. Use an awl if needed (2 locations).



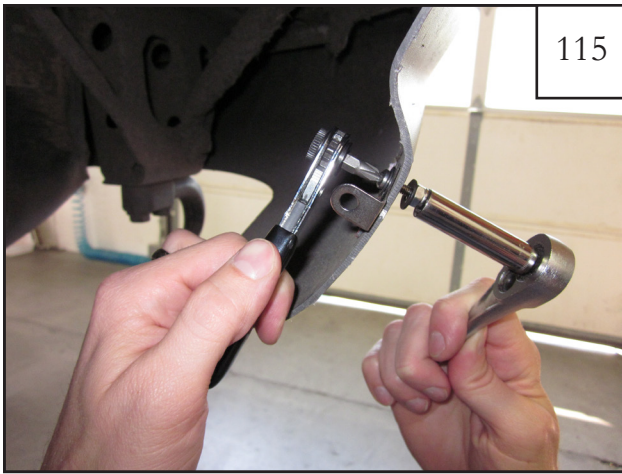
112
 Hold mounting bracket (MB1-0003) in line with mark made in step 111 and make a mark through the hole location in the bracket. Repeat for second bracket.



113
 Using a 3/16" drill bit, drill the two holes marked in step 112.

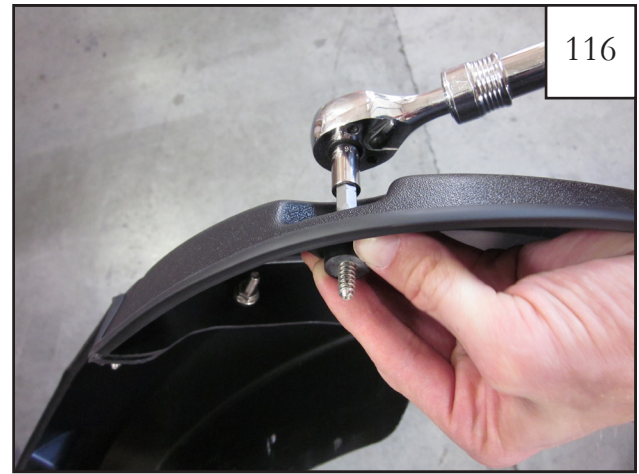


114
 Start a washer (WA1-0014), screw (SW1-0054) and nut (NU1-0004) combination through the holes and brackets in bumper. Use a washer for both screw head and nut. The bracket should face inward and the screw head should be on the inside if of the bumper.



115

Using a Phillips screwdriver and a 3/8" socket wrench, tighten the nut and screw together.
NOTE: Some adjustments may need to be made to the bracket for proper flare positioning. Once brackets have been adjusted properly, fully tighten.



116

Put screw (SW1-0045) through holes in pockets of rear main flare and bumper piece and secure with rubber grommet (SP1-0009) using supplied #45 Torx bit (SW1-0052). Drive screw into grommet until tight. Repeat for all pockets.



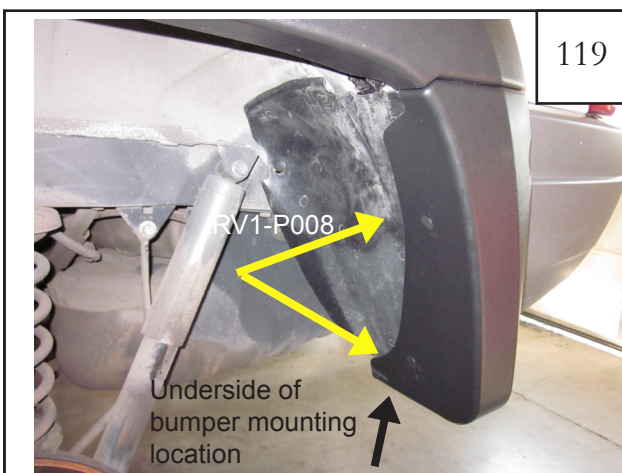
117

Hold flare in place on fender. Using the provided torx bit driver and ratchet with 3" extension, start each screw into drilled holes.



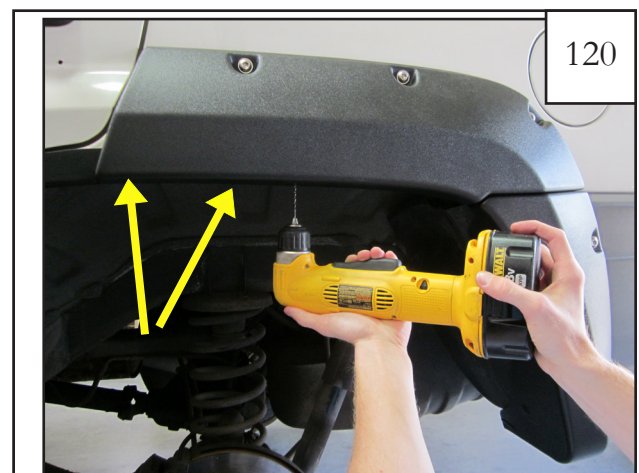
118

Once all screws have been started, snug screws to vehicle. Torque to 24 in•lb (2 ft•lb). **DO NOT OVERTIGHTEN!**



119

Install three panel retainers (RV1-P008) through flare and into mounting brackets and underside of bumper mounting location as shown.



120

Predrill fender lip at top horizontal area with a 1/8" drill bit through holes in rear main flare (2 places).



121

Secure flare to fender with panhead screw (SW1-0056) through holes drilled in step 120.



122

Close rear door. Hold door piece in place on door aligning it with rear main flare and trace outer edge of flare onto cladding



123

Using a pry tool, separate the factory side cladding from the sheet metal along the bottom taped edge.



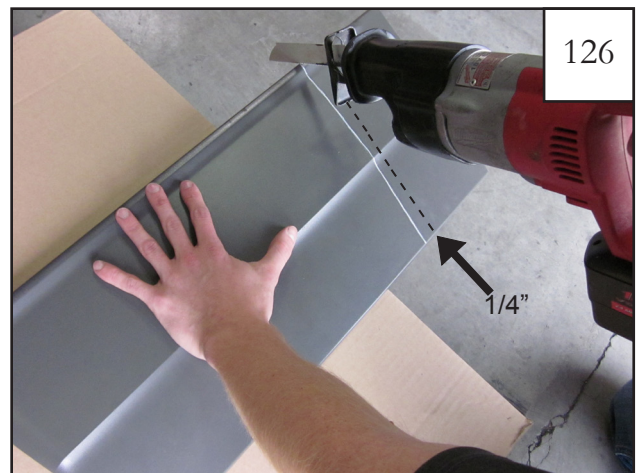
124

Pull firmly to remove upper factory side cladding piece from fender.



125

Clean exposed sheet metal.



126

Using a reciprocating saw or other suitable tool, cut the factory side cladding approximately 1/4" back from the line drawn in step 122.

NOTE: Do not cut cladding short as it may not fit snugly against installed door piece flare. Make sure 1/4" cut is toward the installed door piece. Adjust as needed.



Using sand paper, smooth cut edge of the factory side cladding.



In preparation for applying new tape, use a supplied alcohol wipe (AD1-0010) to clean plastic and remove factory tape from side cladding.



In preparation for applying new tape, apply primer using supplied primer applicator (AD1-0006) to plastic along bottom edge of side cladding.



Apply supplied double sided tape (MT1-0025) to plastic where primer was applied in previous step.



For edge trim application on rear door piece, follow steps as listed at the beginning of this instruction. Apply edge trim (GP1-0005) only to the outer edge of the door piece.



Press door piece firmly against vehicle aligning with rear main flare. Mark hole locations on fender through holes drilled in pockets of door piece. Parts are marked on the inside. Driver's side: D1 for door piece.



133

Using a 3/16" drill bit, drill holes marked in step 132.



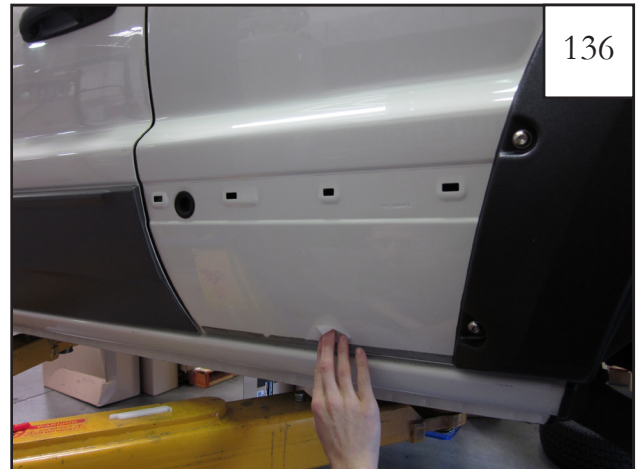
134

Hold flare in place on fender. Using the provided torx bit driver and ratchet with 3" extension, start each screw into drilled holes.



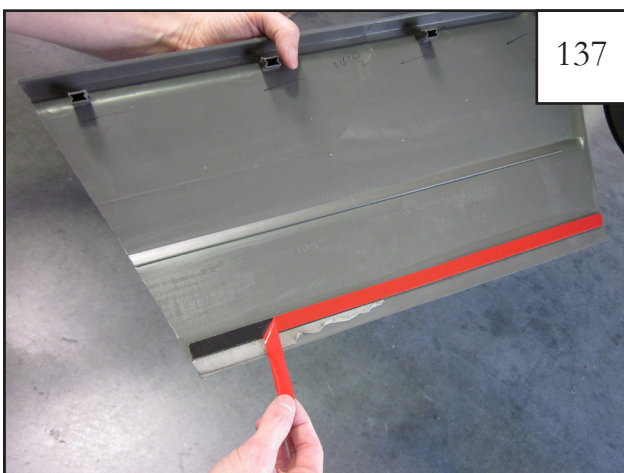
135

Once all screws have been started, snug screws to vehicle. Torque screws to 24 in•lb (2 ft•lb). DO NOT OVERTIGHTEN!



136

Prior to re-installation of the cladding, use a supplied alcohol prep pad to clean the sheet metal and any factory tape residue.



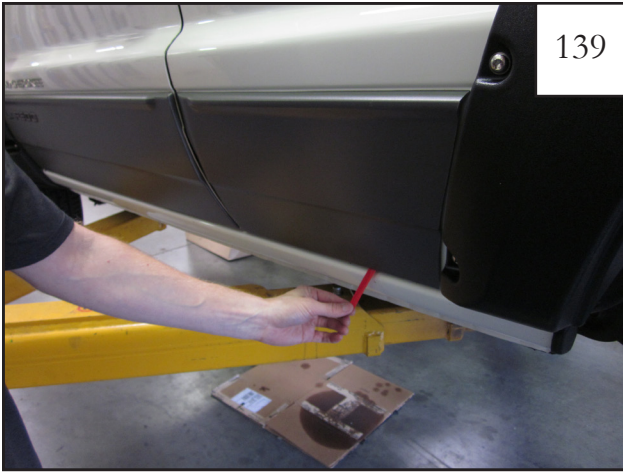
137

Peel back tape liner 1" to 2" to and fold to outside edge of side cladding.



138

Hold cladding in place on vehicle and re-attach by pressing firmly along upper edge to fasten into factory hole locations on sheet metal.



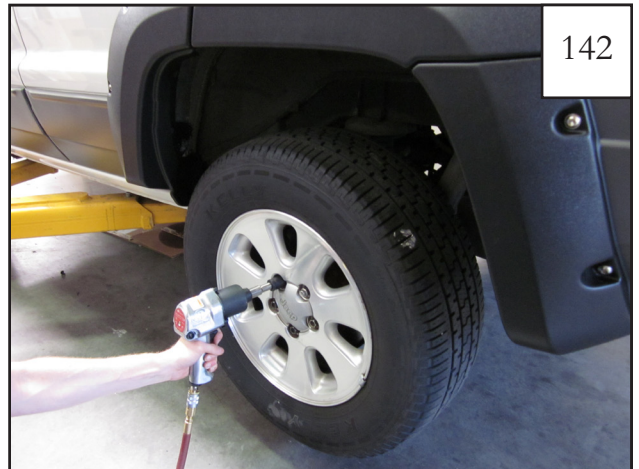
Remove tape liner and apply pressure to side cladding to adhere tape to sheet metal.



(NOTE: For models with previously removed Rocker Panels) Open front and rear doors. Remove dirt and debris from rocker area around holes in sheet metal. Then use supplied alcohol prep pad to clean and prep area prior to molding installation.



Remove tape liner from molding (GP1-0020) and starting at front hole, install molding along rocker area to cover holes in sheet metal.

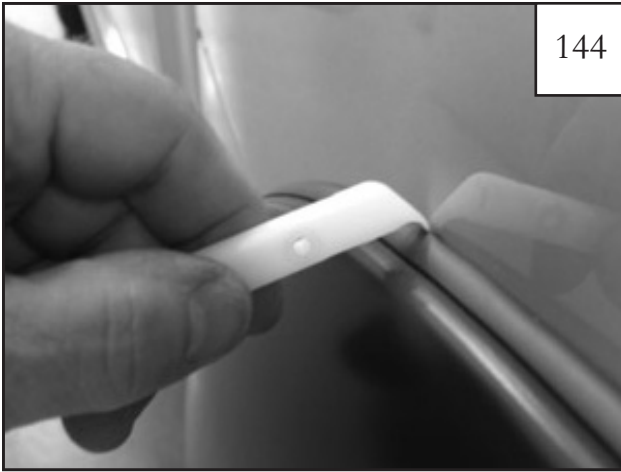


Use an impact wrench to re-install tire.



Completed rear flare installation.

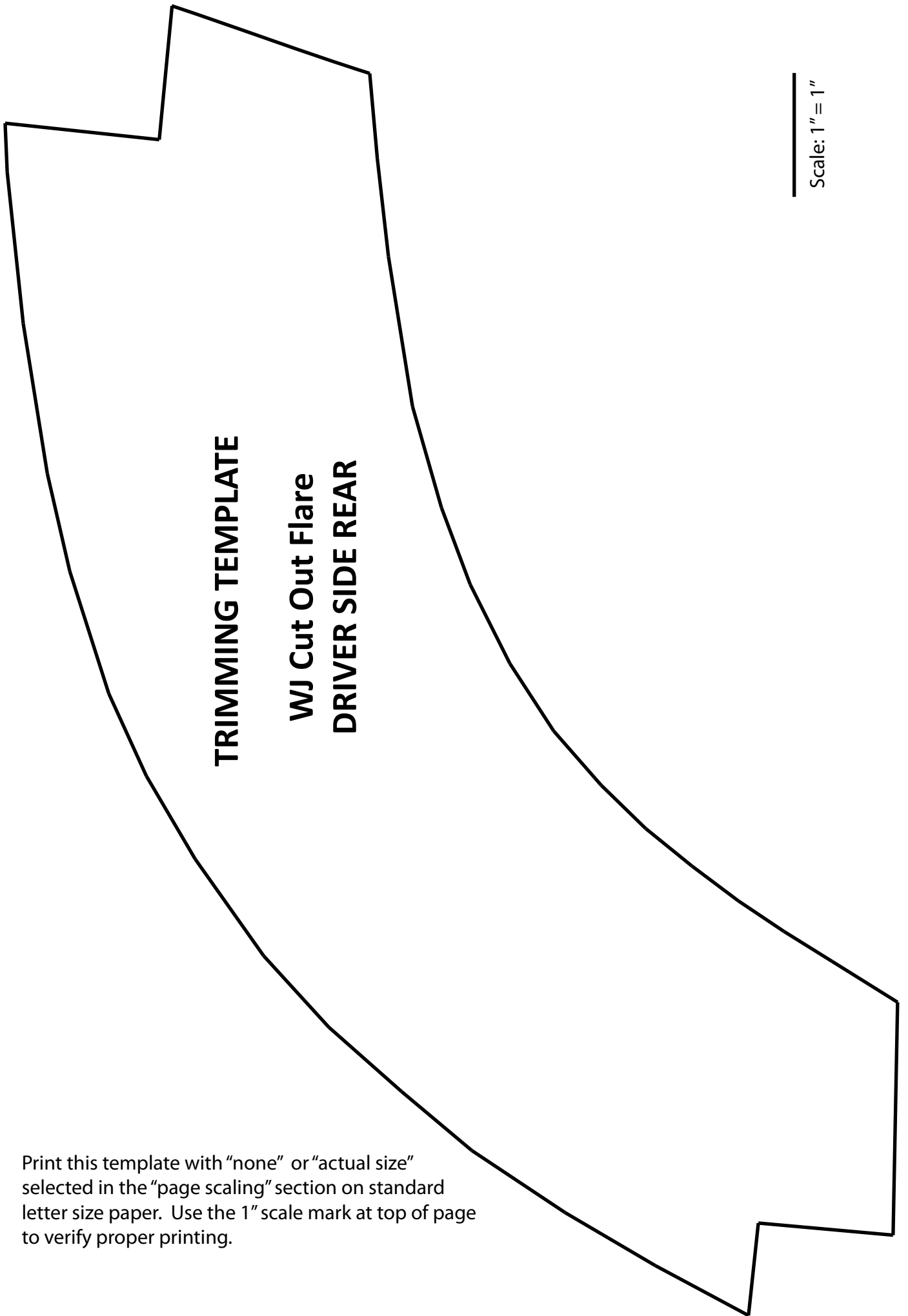
Edge Trim Tool Procedures:



Using supplied Edge Trim Tool (ET1-0002), seat edge trim against vehicle by hooking curved end under edge trim at one end of flare. Next, slide around outer edge of flare to the other end.



Using flat end of supplied Edge Trim Tool (ET1-0002), seat edge trim against flare by inserting straight end between edge trim and flare at one end. Next, slide around entire edge to the other end.



TRIMMING TEMPLATE

**WJ Cut Out Flare
DRIVER SIDE REAR**

Scale: 1" = 1"

Print this template with "none" or "actual size" selected in the "page scaling" section on standard letter size paper. Use the 1" scale mark at top of page to verify proper printing.

Scale: 1" = 1"

TRIMMING TEMPLATE
WJ Cut Out Flare
PASSENGER SIDE REAR

Print this template with "none" or "actual size" selected in the "page scaling" section on standard letter size paper. Use the 1" scale mark at top of page to verify proper printing.

