



HIGHMARK FENDER FLARES

FOR 2021+ COLORADO ZR2

PLEASE READ BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair.

REQUIRED TOOLS

- Basic Hand Tools
- Wire Strippers
- Drill
- 13/32" Drill Bit
- Cut-off Tool or Air Saw
- Rust Preventative such as Permatex Rust Treatment

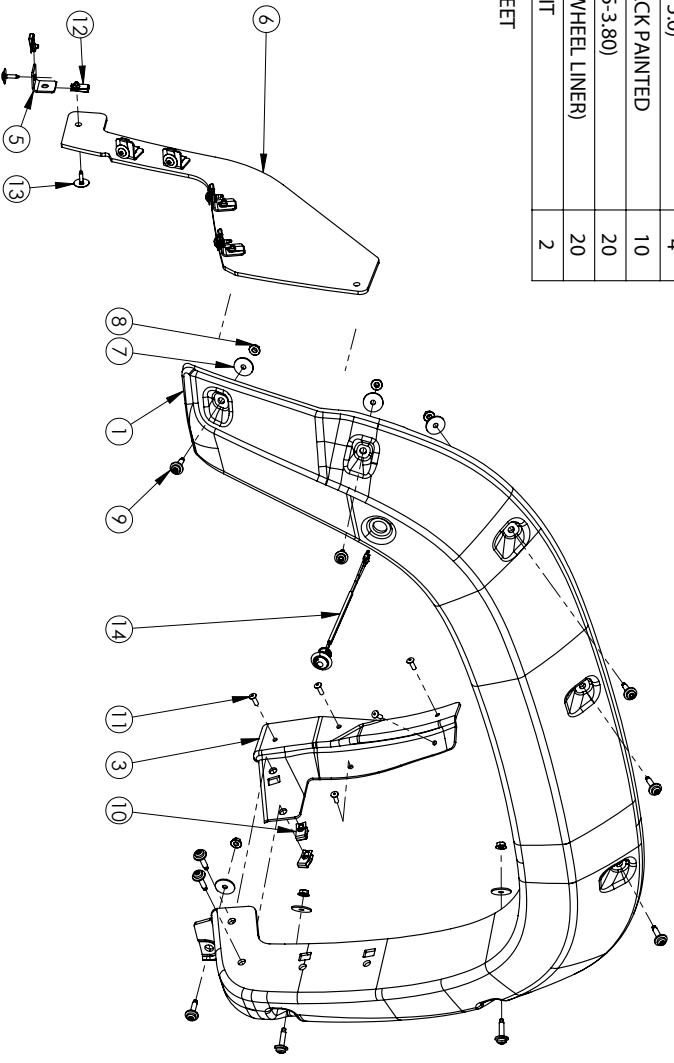


HIGHMARK FLARES - FRONT

2021+ COLORADO ZR2

ITEM NO.	PARTNO	DESCRIPTION	ZR2 QTY
1	AZRF2001AA	FLARE, AEV ZR2 2021 HIGHMARK, FRT LH	1
2	AZRF2000AA	FLARE, AEV ZR2 2021 HIGHMARK, FRT RH	1
3	ABNF2021AA	STAMPING, BISON HIGHMARK FLARE, PATCH PANEL LH	1
4	ABNF2020AA	STAMPING, BISON HIGHMARK FLARE, PATCH PANEL RH	1
5	ABNF2030AA	BRACKET, AEV ZR2 HIGHMARK FLARE, FRONT CLOSE OUT	10
6	AZRF2002AA	CLOSEOUT, AEV ZR2 2021 HIGHMARK, FRONT FASCIA	2
7	AEV98035AA	WASHER, 1/4"X1" DIA., FENDER	16
8	11546389	M6 FLANGE NUT	16
9	11570775	M6 X 1.0 X 25 PAN HEAD BOLT AND CONICAL WASHER ASM	20
10	11548583	M6 X 1.0 U-NUT (PANEL THICKNESS 2.0 - 5.0)	4
11	AEV97023AA	RIVET, 3/16" DIA, 3/8" GRIP RANGE, ALUMINUM, BLACK PAINTED	10
12	11548580	M4.2 X 1.41 U-NUT (PANEL THICKNESS 0.65-3.80)	20
13	11548270	M4.2 X 1.41 X 20 SHOULDER SCREW AND WASHER (WHEEL LINER)	20
14	AEV99105AA	ASSEMBLY, FRONT FLARE MARKER KIT	2

NOT SHOWN P-ZTG-NC02/TPE-500 (Foot) - Seal, Gimp TPE, J Style, Per Foot, 18 FEET



LH SIDE SHOWN EXPLODED
RH SYMMETRICALLY OPPOSITE

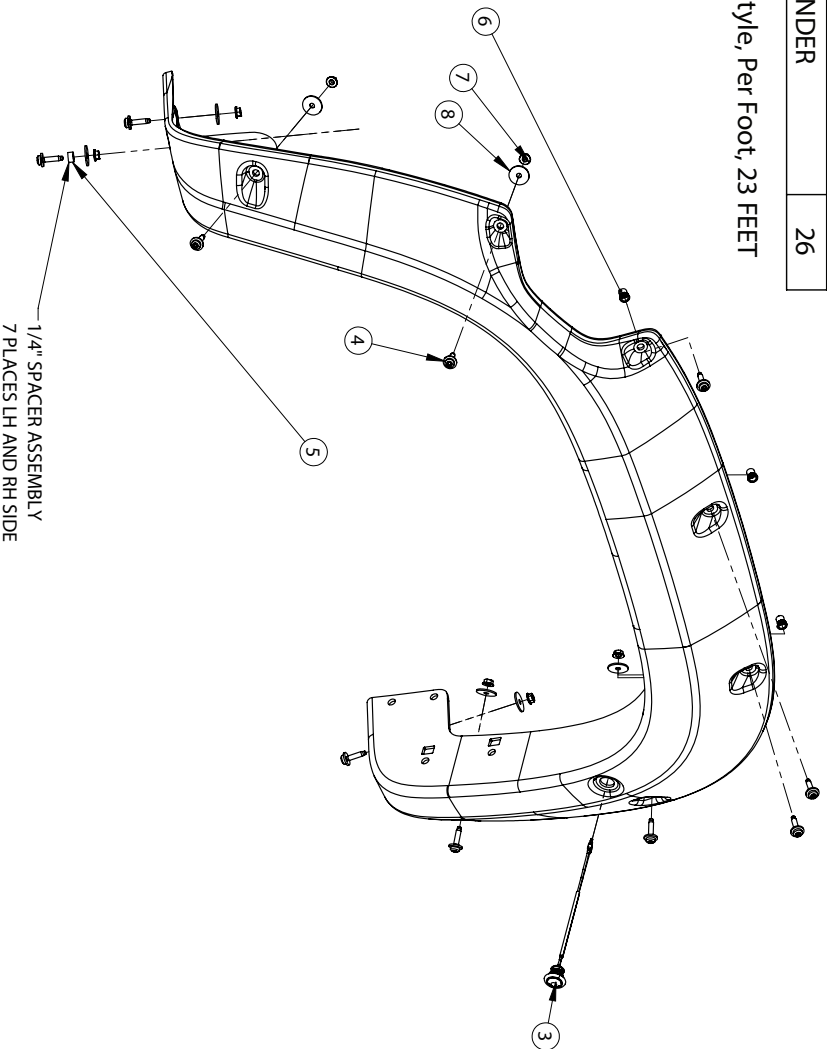


HIGHMARK FLARES - REAR

2021+ COLORADO ZR2

ITEM NO.	PartNo	DESCRIPTION	QTY
1	ABNF2002AA	FLARE, BISON HIGHMARK, RR RH	1
2	ABNF2003AA	FLARE, BISON HIGHMARK, RR LH	1
3	30407114AA	ASSEMBLY, REAR FLARE MARKER KIT	2
4	11570775	M6 X 1.0 X 25 PAN HEAD BOLT AND CONICAL WASHER ASM	32
5	AEV91134AA	SPACER, NYLON, .25 ID, .25 LONG, .5 OD	14
6	AVK4146	RIVNUT, M6	6
7	11546389	M6 FLANGE NUT	26
8	AEV98035AA	WASHER, 1/4"X1" DIA., FENDER	26

NOT SHOWN P-ZTG-NC02/TPE-500 (Foot) - Seal, Gimp TPE, J Style, Per Foot, 23 FEET





FRONT FLARE INSTALLATION

I. DISASSEMBLY

1. Remove Front Flares.
2. Remove Wheel Liners and SAVE.

II. VEHICLE PREPARATION

1. Protect fenders, doors, hood, and windshield using crash wrap or welding blankets. **NOTE:** Sparks from cutting can damage paint and glass.
2. Cutout templates AEV30368 and AEV30369.
3. Adhere templates to vehicle with painter's tape or the plastic clips from the factory flare, align the factory holes with the templates (fig. 1).

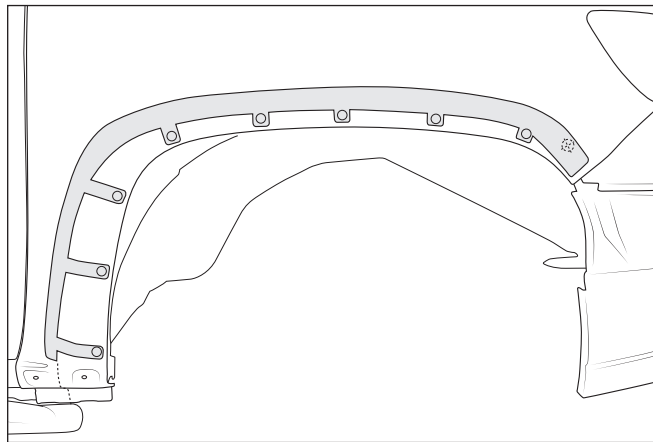


Figure 1

4. While the template is aligned with the fender, mark sheet metal along solid line as directed on template. Then remove the template and begin cutting (fig. 2).

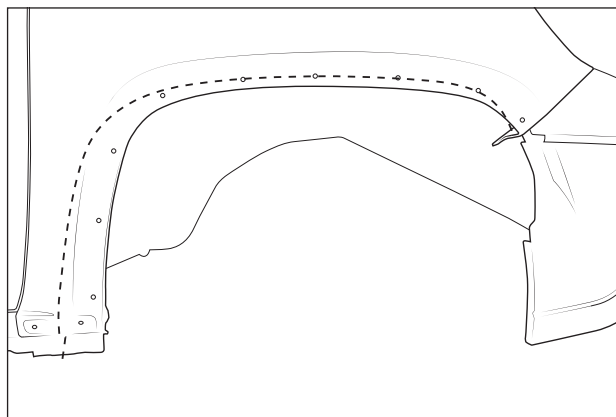


Figure 2



5. Cut out Templates AEV30424AA and AEV30425AA
6. Adhere templates to vehicle fascia with tape, and cut along lines as directed (fig. 3).

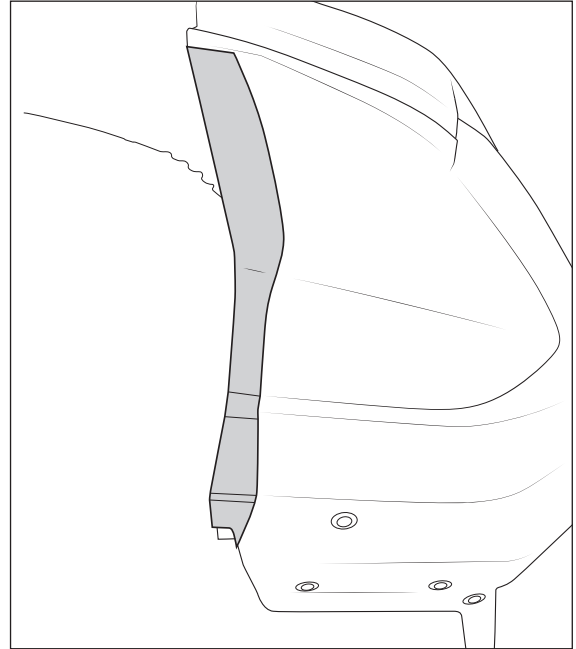
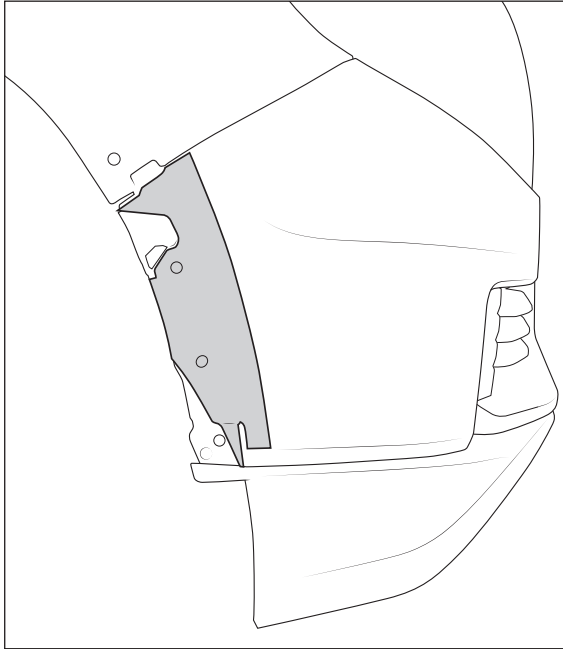


Figure 3: Upper Section (left) Lower Section (Right)

7. Remove the lower fascia brackets (fig. 4).
8. Trim the lower fascia brackets removing the portion shown (fig. 5) and re-install.

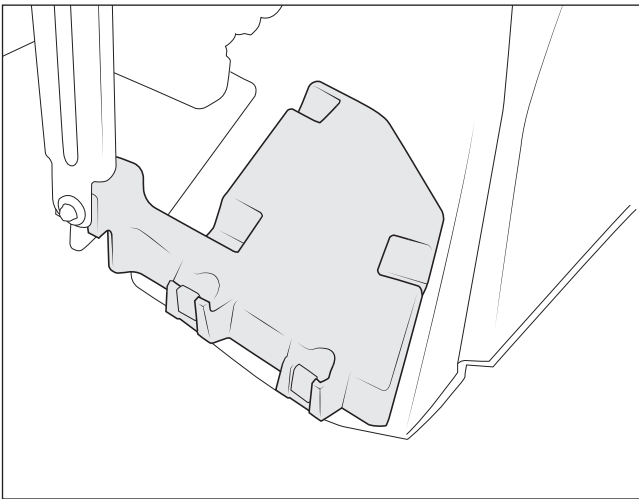


Figure 4

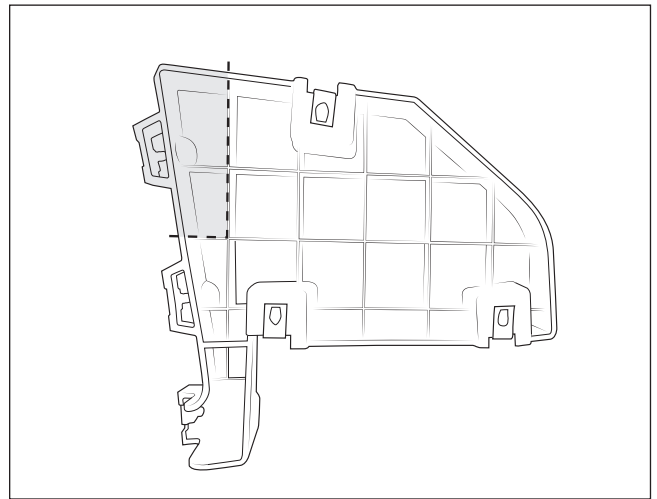


Figure 5



9. Hold flares to vehicle. **IMPORTANT: Confirm fitment at the door gap and lower edge of front fascia before drilling any holes.** When confirmed, mark and center punch all holes using flare as template (fig. 6).

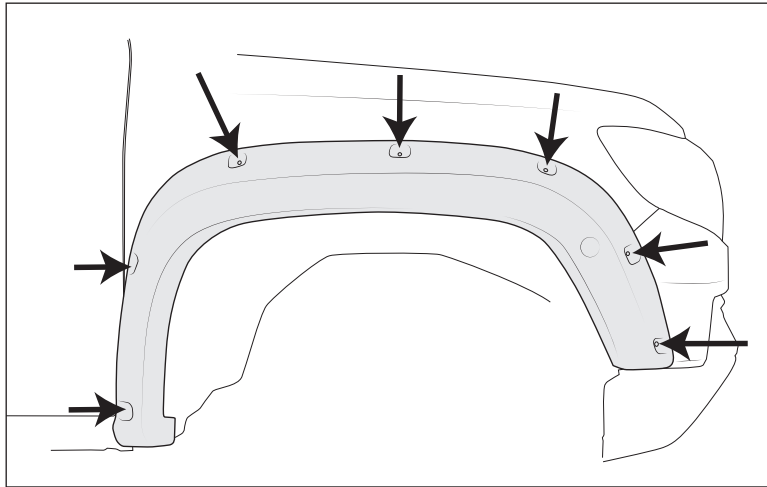


Figure 6

10. Drill all holes to $11/32$ " and treat bare metal with a rust preventive material.
11. Install four riv nuts (two per side) in fascia locations shown (fig. 7).

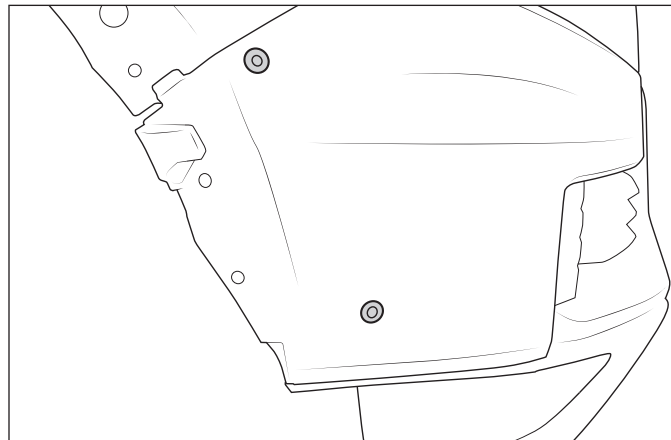


Figure 7



12. Cut the pinch seams at the rear of the wheel wells and remove the shaded material (fig. 8).

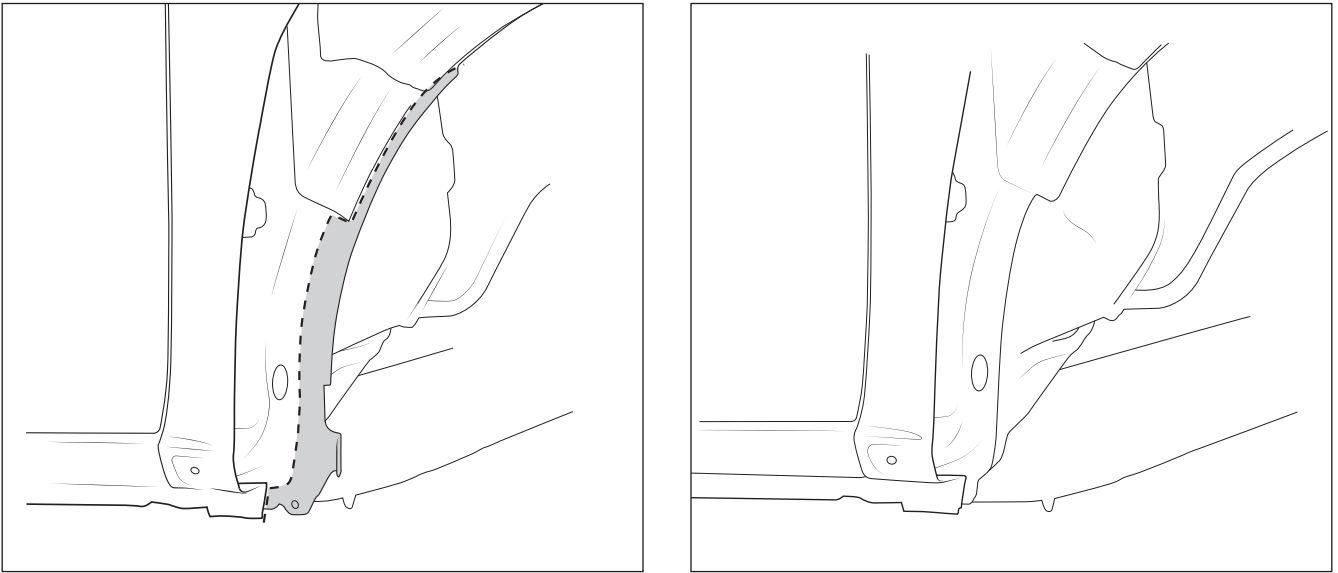


Figure 8 (Left) Before (Right) After

13. Cut pinch seams at the front of the wheel wells and remove shaded material (fig. 9).

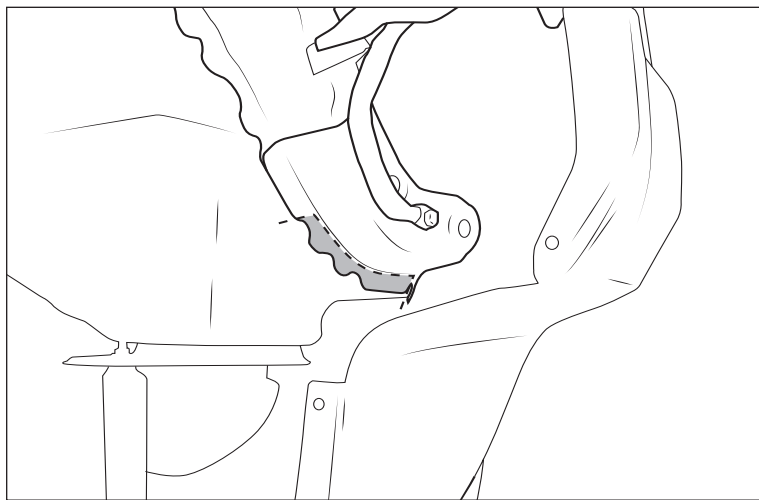


Figure 9



14. Install Closeout panels at the rear of the wheel wells (fig. 10):

- A. Use an automotive grade panel bond for best adhesion. AEV Recommends Lord Fusor 108B.
- B. Hold closeout panel in place and drill and rivet in 4 places. NOTE: Rivets are only there to hold panel while panel bond is setting.
- C. Install two U-nuts per side as shown.

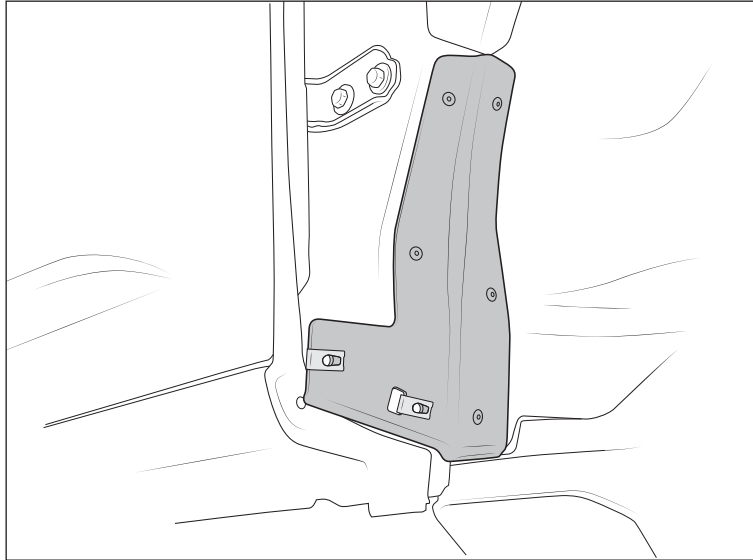


Figure 10

III. WIRING

- 1. Disconnect Headlight connectors.
- 2. Pull harness out through wheel well opening for better access.
- 3. Remove protective wrap from factory harness to expose wires.
- 4. Refer to the chart below showing which factory wires need to be spliced.
 - A. White of marker light is power: This ties into called out color on diagram.
 - B. Black of marker light is ground: This ties into black wire on factory harness.

Front Driver Side		Front Passenger Side	
AEV White	GM Violet/Gray	AEV White	GM Gray/Brown
AEV Black	GM Black	AEV Black	GM Black

- 5. Disconnect the bullet connectors from the marker light and solder to above mentioned wires.
- 6. Take care to properly re-insulate exposed wires.



IV. INSTALL FLARES

1. Install marker lights through grommets into flares (fig. 11). TIP: A little glass cleaner will help lubricate the grommets.

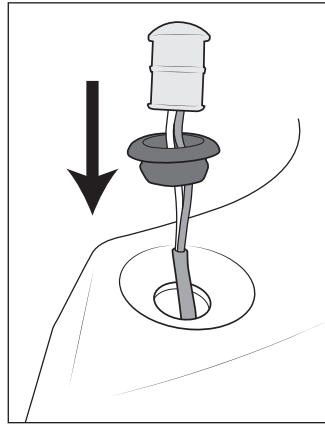


Figure 11

2. Install gimp seal.
 - A. Slide gimp seal over the body-side edge of the flare as shown (fig. 12).
 - B. Carefully pull adhesive backing away from seal to adhere to flare (fig. 12)

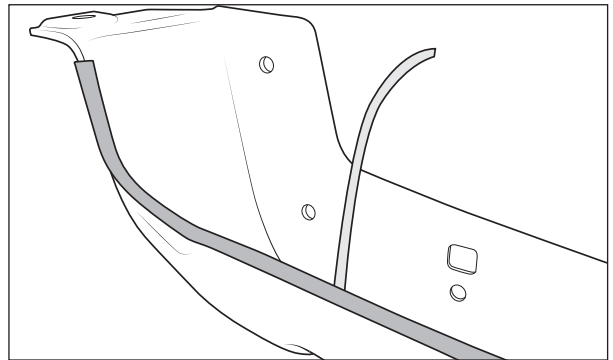
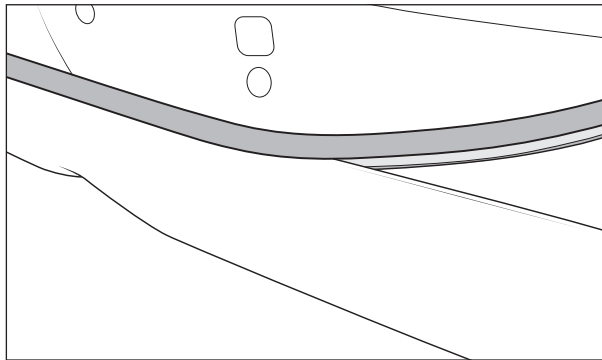


Figure 12

3. Install front closeouts:
 - A. Install L brackets and u-nuts to supplied closeout panels (fig. 13).

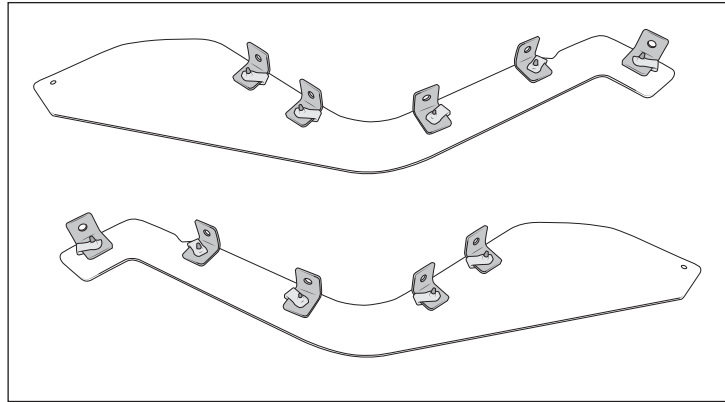


Figure 13

B. Fasten closeout panel at top existing hole, once in place, mark and drill all remaining holes (fig. 14).

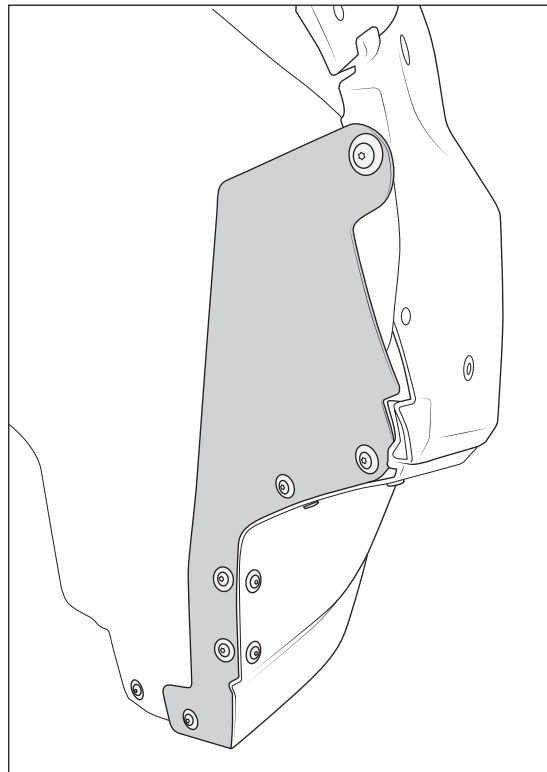


Figure 14

C. Re-install factory wheel liner and tuck behind closeout panel.

4. Using the supplied M6 bolts and nuts loosely start each bolt through the flares onto body-side. NOTE: Be sure to run the marker light wiring through the hole drilled in the body.
5. Plug marker lights into wiring harness installed in section III.
6. Tighten each bolt evenly. Apply pressure to close any gaping.
7. Tuck wheel liner behind Fender Flares.



REAR FLARE INSTALLATION

I. DISASSEMBLY

1. Remove Rear Flares:
 - A. Remove M4 torx bolts from inside lower wheel wells, M4 torx bolt from underneath front side of flare, and Push Pin from underneath rear side (fig. 15).
 - B. Gently pull flare from vehicle to release all the service clips.

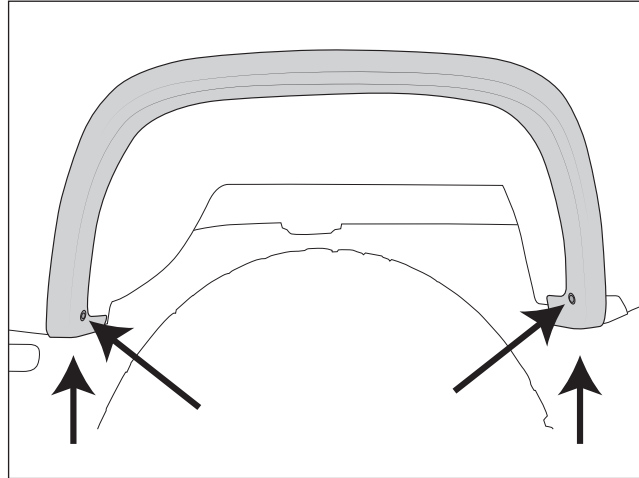


Figure 15

2. Remove Wheel liners and **SAVE**.

II. VEHICLE PREPARATION

1. Protect fenders, doors, hood, and windshield using crash wrap or welding blankets. **NOTE:** Sparks from cutting can damage paint and glass
2. Cutout templates AEV30370 and AEV30371
3. Adhere templates to vehicle with tape or the plastic clips from the factory flare, align the factory holes with the templates (fig. 16).

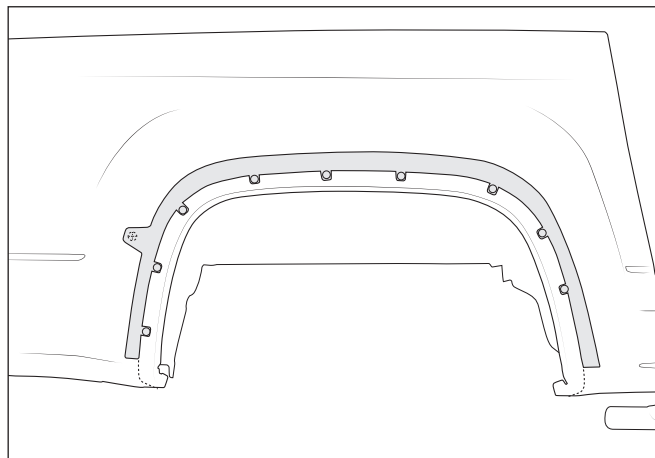


Figure 16



4. While the template is aligned with the fender, mark sheet metal along solid line as directed on template. Within the advised regions, mark the area where you will drill your holes that will be used to install spacers (fig. 17).

NOTE: It is advised to drill these holes after cutting to ensure proper placement. Then remove the template and begin cutting

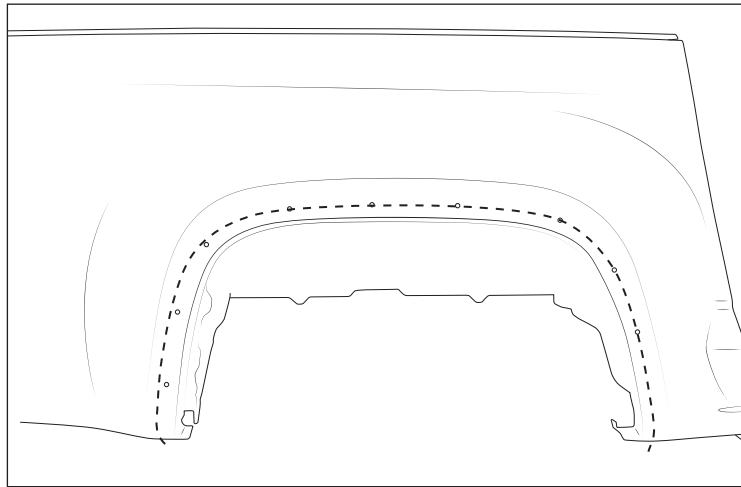


Figure 17

5. Hold flares to vehicles and center punch all holes using flare as template (fig. 18).

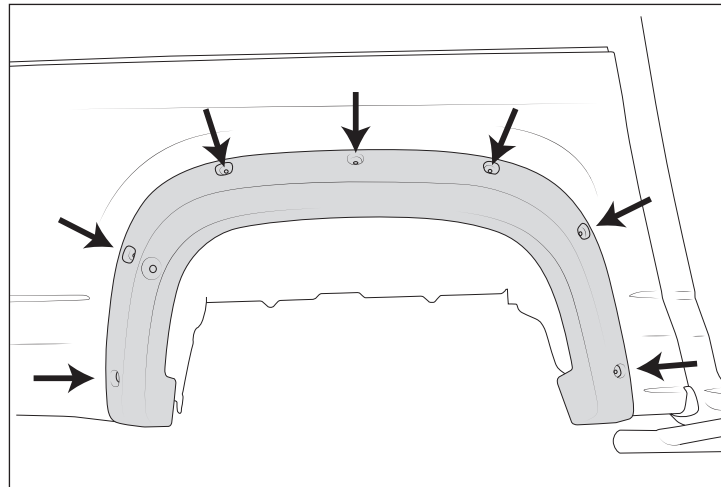


Figure 18

6. Drill all holes to 13/32" and treat bare metal with a rust preventive material.



7. Install Spacers (fig. 19).

A. Install QTY 7 1/4" spacers in rear

B. We recommend using an automotive grade seam sealer and bonding the panels back together. AEV Recommends Sika 252

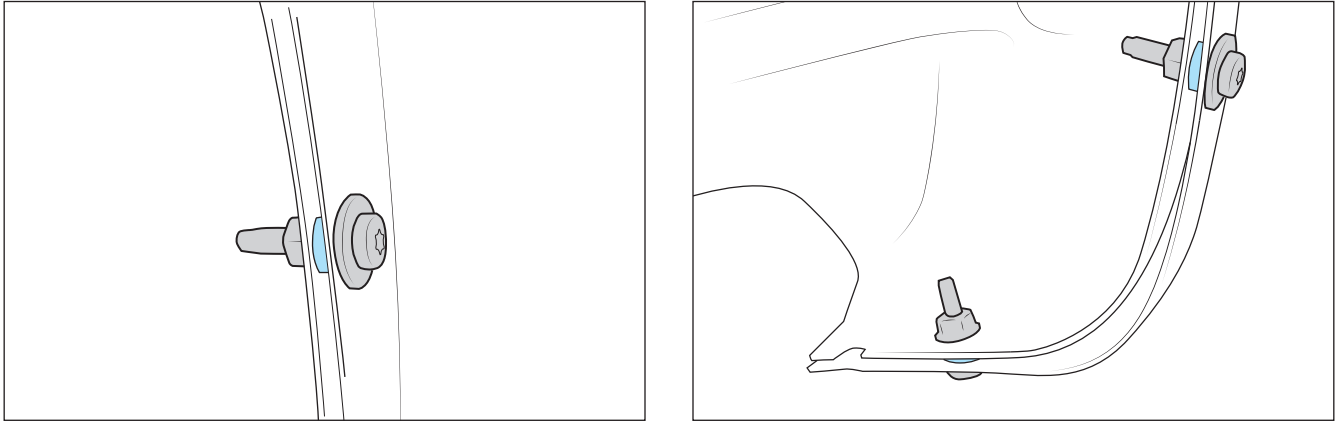


Figure 19

8. Install supplied riv-nuts into the top three holes on each bedside (fig. 20)

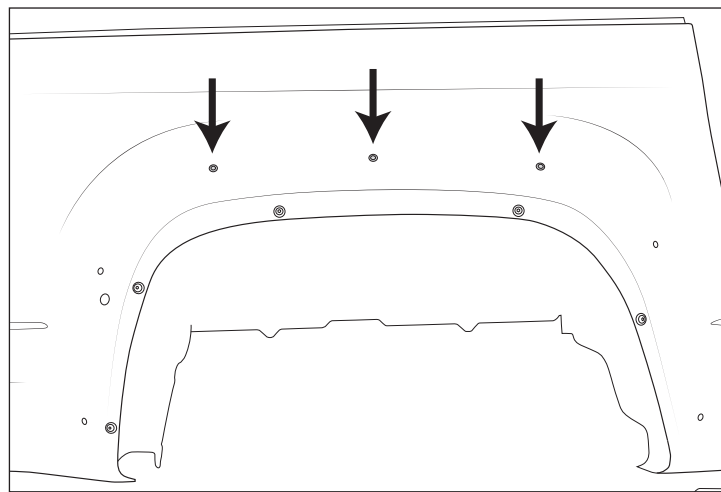


Figure 20



III. WIRING

1. Disconnect taillight connectors.
2. Pull harness down through bedside for better access.
3. Remove protective wrap from factory harness and expose wires.
4. Refer to the chart below showing which factory wires need to be spliced.
 - A. White of marker light is power: This ties into called out color on diagram.
 - B. Black of marker light is ground: This ties into black wire on factory harness.

Rear Driver Side		Rear Passenger Side	
AEV White	GM Brown/Lt. Blue	AEV White	GM Brown/Gray
AEV Black	GM Black	AEV Black	GM Black

5. Disconnect the bullet connectors from the marker light and solder to above mentioned wires.
6. Take care to properly re-insulate exposed wires.

IV. INSTALL FLARES

1. Install marker lights and grommets as shown for front flares.
2. Install gimp seal as shown for front flares.
3. Using the supplied M6 bolts and nuts loosely start each bolt through the flares onto body-side. NOTE: Be sure to run the marker light wiring through the hole drilled in the body.
4. Tighten each bolt evenly. Apply pressure to close any gaping.
5. Plug marker lights into wiring harness installed in section III.
6. Re-install factory wheel liners and tuck in behind flares.