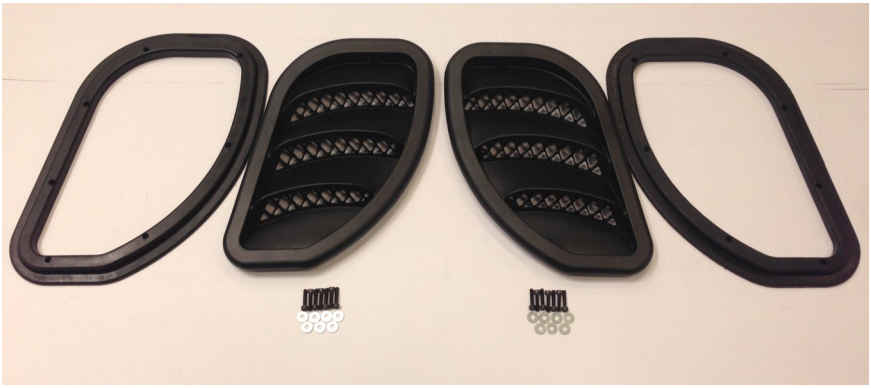
KJ71048BK

Side Hood Vents

2007 - 2015 Jeep Wrangler JK



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Instruction Sheet: P21359

2014 Daystar Products International Inc.

Revision: 1

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Revised by: PH

Introduction

is your number one source for Made In The USA quality, vehicle accessories. Now backed with our exclusive *Go Everywhere* © Lifetime Limited Warranty (see terms at Daystarweb.com). To assure your safety and proper installation of this product, take a moment to read all instructions and Product Safety Information before trying to install your Daystar® product. We are here to help if you have remaining technical questions after reading these instructions. Contact us toll free at 800-595-7659.

Product Safety Information

Throughout these instructions important safety information is generally preceded by one of three signal words indicating the relative risk of injury. The signal words mean:

! WARNING A hazardous situation which, if not avoided, could result in death or serious injury. You can be Killed or Seriously Hurt if you don't follow instructions.

! CAUTION A hazardous situation which, if not avoided, could result in minor or moderate injury. You can be moderately HURT and also may suffer property damage if you don't follow instructions.

NOTICE Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your product or other property may result if you don't follow instructions.

!WARNING

Familiarize yourself with all vehicle manufactures' and Daystar warnings, instructions and limited warranties before driving your modified suspension vehicle. Also be aware many states / countries have laws governing on-road vehicle heights and modifications. You are responsible for assuring the safety and legality of your vehicle. A summary of current state vehicle laws is available at www.sema.org.

Tools Needed

Quantity	Description
1	1/4” Drive
1	10mm Socket
1	Center Punch
1	Drill
1	1/16” Drill Bit
1	1/4” Drill Bit
1	Scissors
1	Marker or Paint Pen
1	Painters Tape
1	1-1/4” Hole Saw
1	3mm Allen Key
1	Fur Tree Removal Tool
1	Sheet Metal Nibbler or similar tool
1	Razor or Exacto knife
1	Angle Grinder

Bill of Materials

Quantity	Part Number	Description
14	S21366	M4-0.7 Socket Head Bolt
14	S21367	M4 Flat Washer
1	M56134-BK	Left Side Vent
1	M56135-BK	Right Side Vent
1	M21342-BK	Left Vent Ring
1	M21343-BK	Right Vent Ring
1	P21360	Template
1	P21365	242 Blue Loctite

Installation Instructions

!Warning: Always work with appropriate personal safety gear including safety glasses, gloves and hearing protection if using air powered tools.

Begin by inspecting the components & hardware for damage. Then compare components & hardware to the bill of materials for completeness. If anything is missing/damaged, do not proceed with the installation. Please, call Daystar Products (800-595-7659) and we will send you the missing of damaged components free of charge.

1. Raise hood and remove the hood insulation blanket.
   Tools: Fur Tree Removal Tool
2. Remove Footman loop. Figure: 1
   Tools: 1/4" Drive & 9mm Socket
3. Remove Windshield Bumpers. Figure: 2

Note: 2007-2010 pull right out, 2011 & UP require depressing two tabs located on the bottom side of the hood.

4. Lay the Template on a flat surface and cut out the Footman loop holes and the Windshield Bumper holes. Figure: 3 & 4
5. Place Template onto the hood.

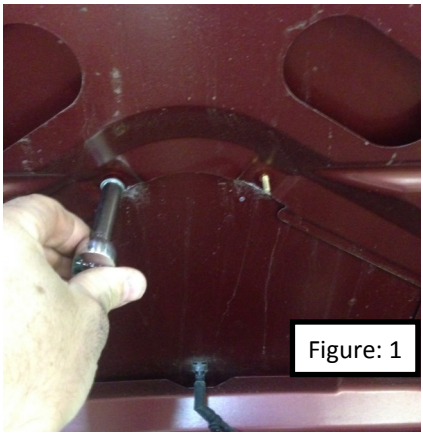
Figure: 1

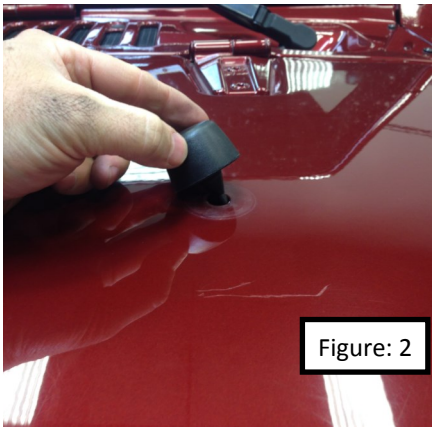
Figure: 2

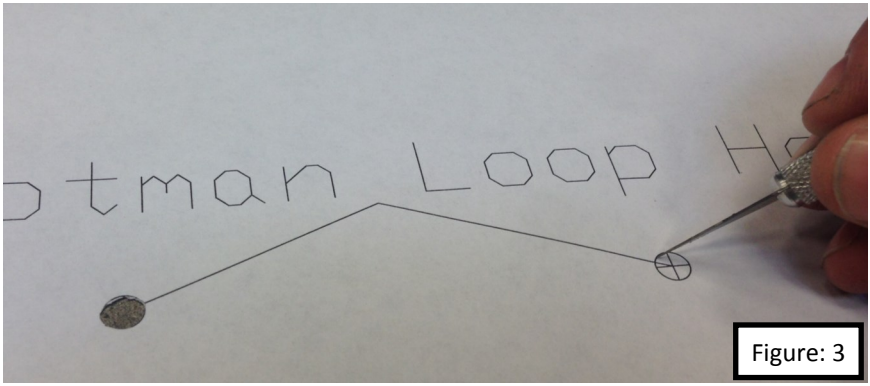

Figure: 3

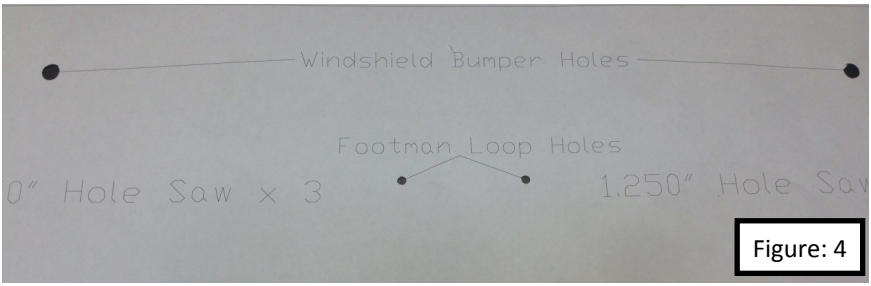

Figure: 4

6. Using two 1/2” bolts and two 1/4” bolts locate the template using the footman loop holes (1/4”) and the windshield bumper holes (1/2”). Figure: 5 & 6

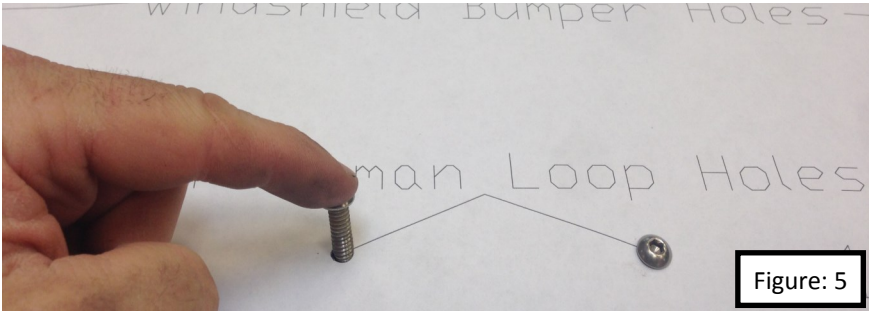

Figure: 5

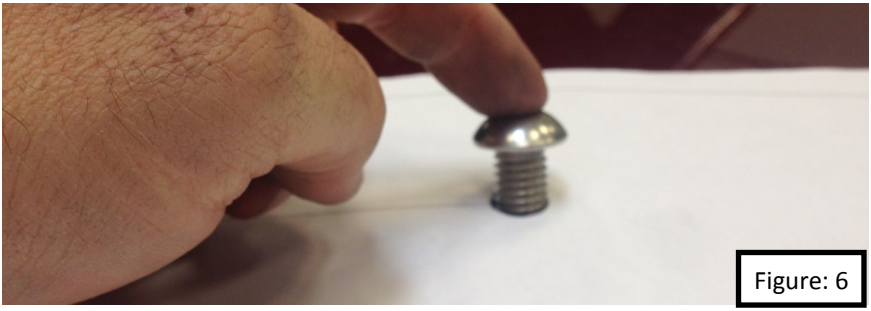

Figure: 6

7. Now that the template is placed on the hood. Measure from the from the front crease of the hood to the template border , on both sides of the hood, to ensure the template is square. This measurement should be 9.75” +/- 1/16”. The goal is to make sure the measurement is identical on the left and right sides. Figure: 7

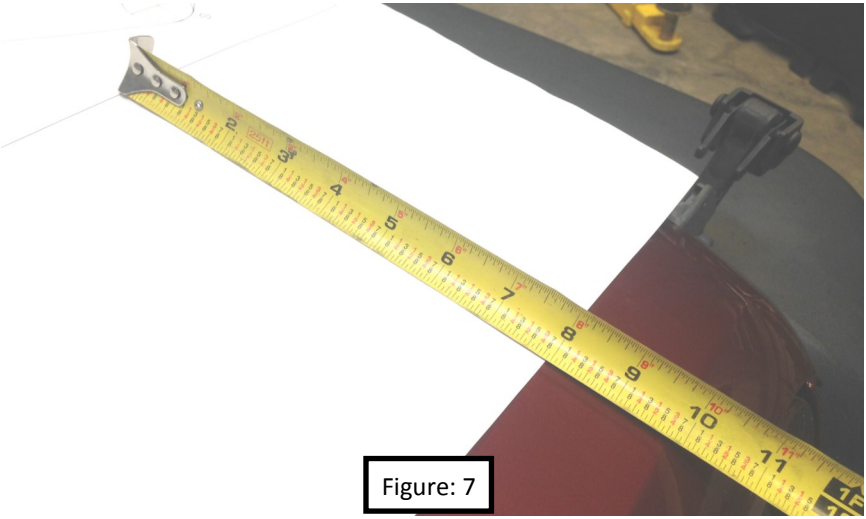

Figure: 7

8. Now that the template is located tape the top edge, so that it will not move.

9. Place the painters tape under the areas that area to be drilled and cut out. This step will help protect the paint during the installation procedure. Figure: 8

Figure: 8

10. Lay the template out and tape it down to the hood. Make sure that the template is laying as flat as possible without any wrinkles.

11. Lay a blanket over the engine to protect the engine bay from metal shavings and chips. Figure: 9

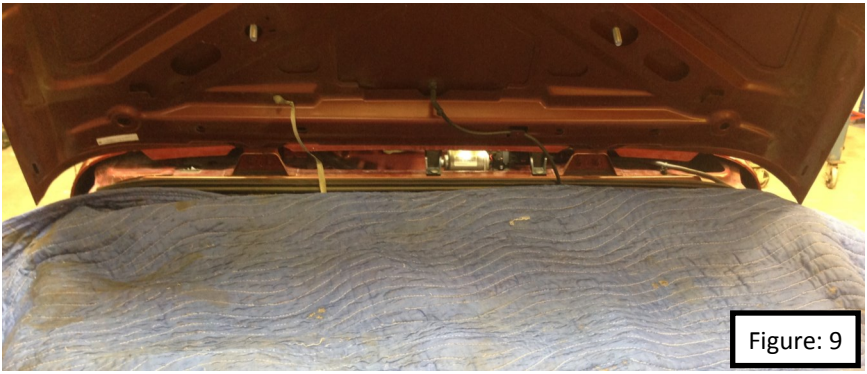

Figure: 9

12. Lower the hood

13. Center punch all of the holes to be drilled. Preform the following steps on both the left and right side of the template. Figure: 10

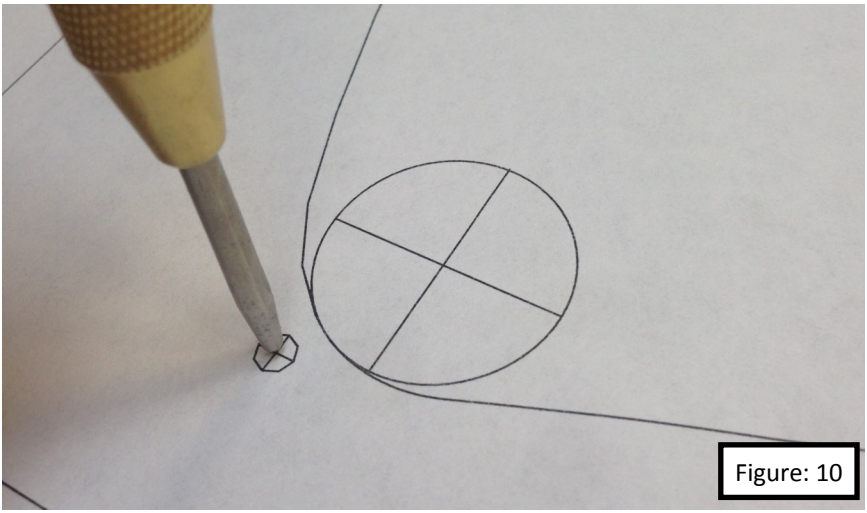

Figure: 10

14. Use the 1/16” drill bit to create a pilot hole for all of the center punched holes. Figure: 11
    Tools: Drill & 1/16” drill bit.
    Note: Be sure to support the hood from underneath, so the hoods sheet metal does not deform.

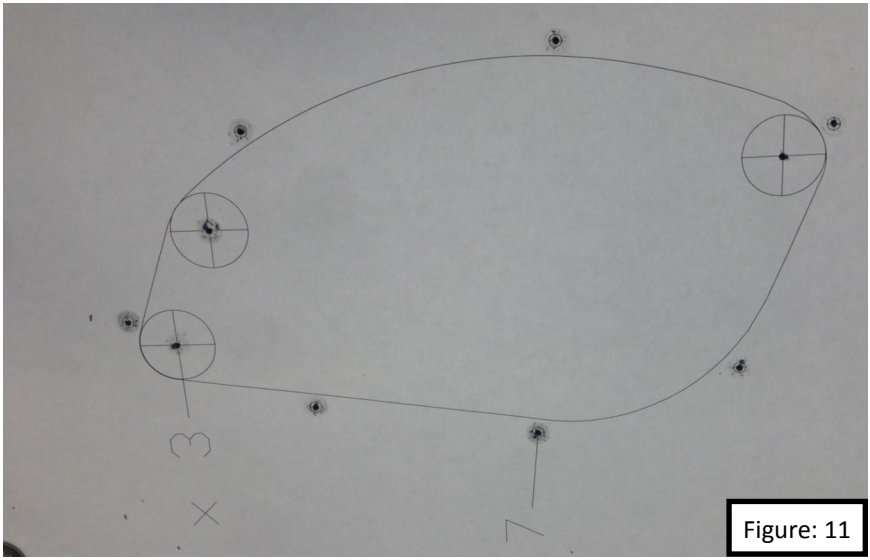

Figure: 11

16. Cut out the center of the vent template. Figure: 12

    Tools: Exacto knife or Razor knife.

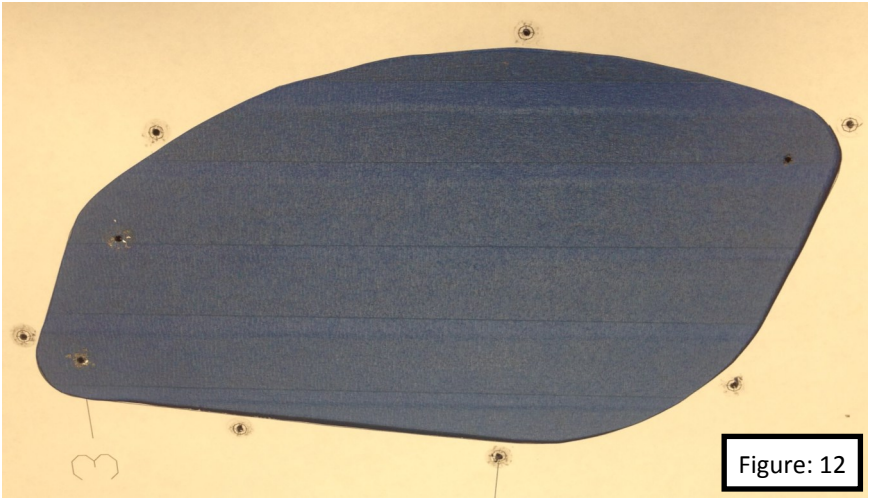

Figure: 12

17. Trace the shape of the side hood vent hole that will be cut into the hood. Figure: 13

    Tools: Marker or Paint pen.

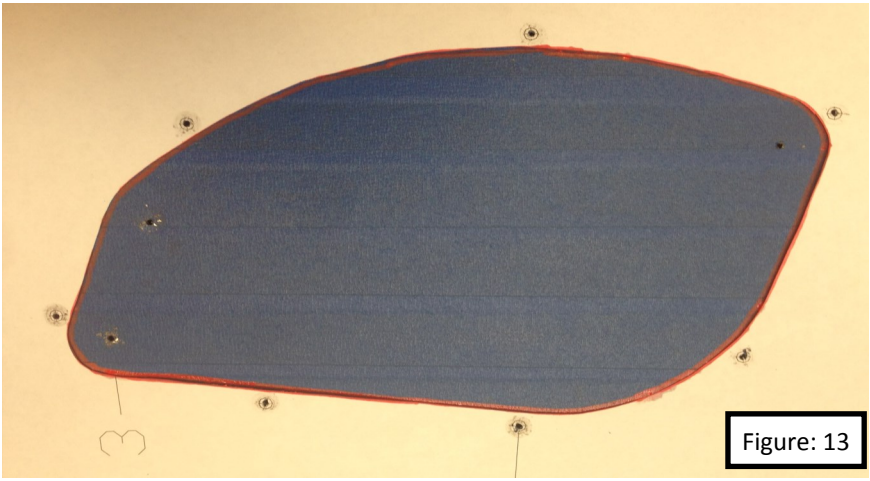

Figure: 13

18. Open up the three (3) holes located in the interior of the vent. Use the 1-1/4” hole saw for this operation. Figure: 14

    Tools: Drill & 1-1/4” Hole saw.

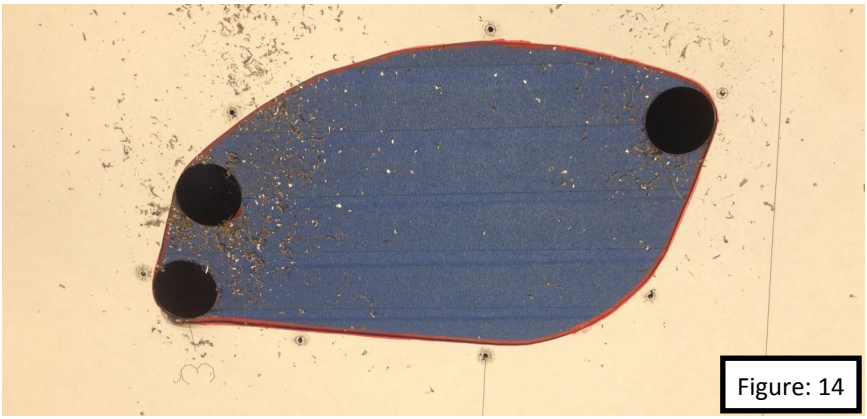

Figure: 14

19. Open up the seven (7) mounting holes on the outer perimeter to 1/4”. Figure: 15

    Tools: Drill & 1/4” Drill Bit

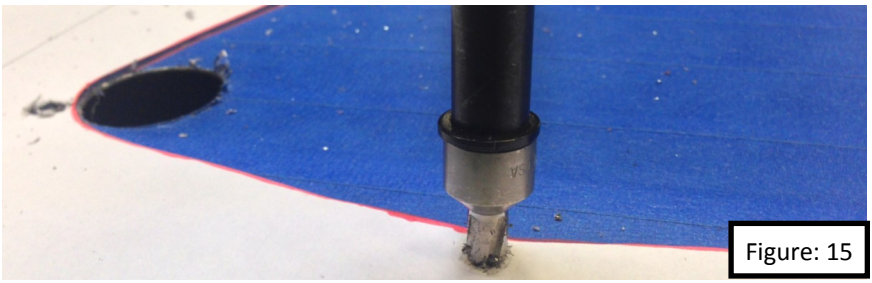

Figure: 15

20. Cut out the interior portion of the traced line. It is best to make your cut to the inside of the line. It is easier to remove material than add. Figure: 16
    Tools: Sheet metal nibbler, body saw

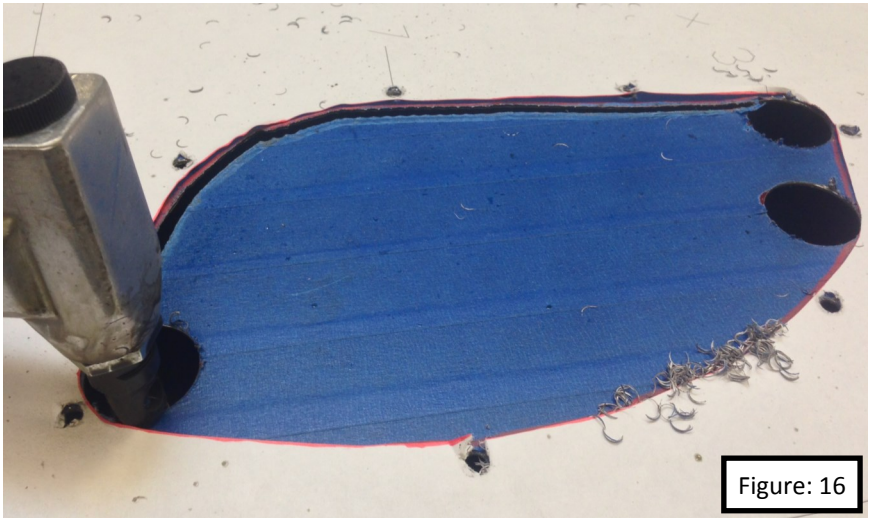

Figure: 16

21. Trim or grind excess hood material away until the hole in the hood matches the template, and the side hood vent will drop into the hole with a little bit of wiggle room.
    Tools: Angle Grinder
22. Remove the side hood vent template, painters tape, and clean all metal shavings from the hood.
23. Remove the shavings blanket from under the hood.
24. Using the angle grinder de-burr the edges of the vent cut out.
25. Paint all of the exposed sheet metal to prevent corrosion.
26. Place the hood heat blanket back under the hood of the Jeep. Do not reinstall the fur tree connectors, just use the factory location tabs.
27. Push upward slightly on the hood heat blanket, so it is flush with the bottom of the hood.
28. Trace the outline of the side hood vent cut out onto the hood heat blanket. Figure: 17

Figure: 17

29. Remove the hood heat blanket and place on a hard level surface.
30. Using the vent rings, line up the ring with the outline traced onto the hood heat blanket in step 28. Figure: 18

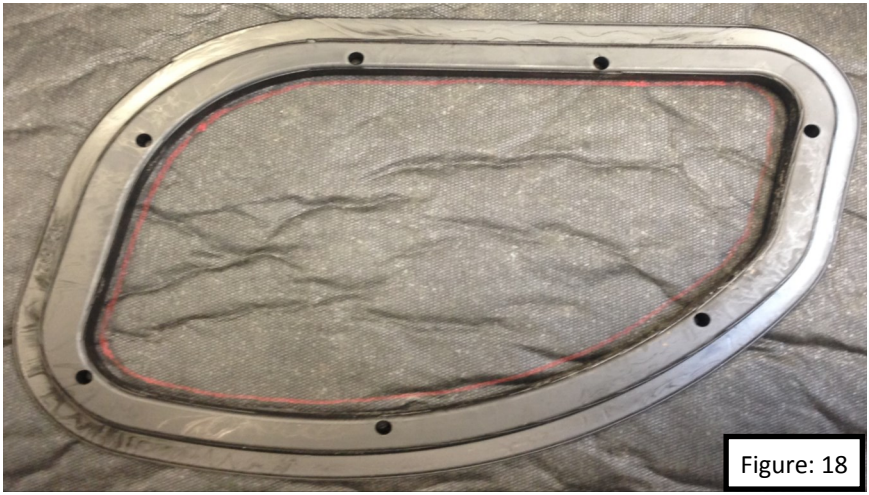

Figure: 18

31. Trace the outer edge of the hood vent ring.
32. Measure in 1/2” from the outer line that was traced on to the hood heat blanket. Figure: 18

Figure: 18

33. Using the marks, placed 1/2” inside the outer line, cut out the center portion of the heat blanket. Figure: 19

Figure: 19

34. Make sure the cut out in the heat hood blanket is large enough for the vent ring to fit with a little wiggle room. Figure: 20

Figure: 20

35. Reinstall the windshield hood bumpers into the hood.
36. Reinstall the footman loop into the hood.
37. Reinstall hood heat blanket.
38. Put the passenger side hood vent (56135) into place.
39. Collect seven (7) of the flat washers and 4mm bolts.
40. Place a drop of blue 242 Loctite on each bolt.
41. Put the passenger side vent ring (M21343) into position.
42. Install all seven (7) of the 4mm bolts with washers. Until, all are installed leave them loose to allow for adjustment.

43. Tighten up the seven (7) bolt. They just need to be snug, once you see the polyurethane ring start to compress, the bolts are tight enough.

44. Install the Driver's side vent along with the vent ring, following the same procedure.

45. Congratulations you are finished. Now step back and enjoy your work.

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What is Covered? Real Life Use, Off Road & On: Subject to the terms, exclusions and limitations herein, Daystar® warrants to the initial retail purchaser that your Comfort Ride™ or Budget Boost™ leveling kit shall be free of defects in material and workmanship for so long as it is properly installed on a single vehicle owned by the initial retail Daystar® purchaser.

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Your Daystar **Limited Warranty** does not cover: (a.) damage to your vehicle, vehicle systems (ex. electronic stability control) other products, components or property not manufactured by Daystar to our exclusive *GoEverywhere* standards, (b.) customer choice of vehicle configuration/tire and wheel combinations contrary to Daystar® recommendations, warnings or applicable laws, (C.) Acts of God, weather, corrosion, accidents, theft, vandalism, negligent misuse or intentional damage, other exclusions under your OEM Limited Warranty.

Remedy Limited to Repair/Replacement. Get back on your favorite trail fast. The exclusive remedy provided hereunder shall, upon Daystar's inspection and option, be either repair or replacement of the Comfort Ride™ or Budget Boost™ leveling kit or parts covered under this **Limited Warranty**. Call us and we will get you back wheelin' (623/907-0081). All labor, removal, shipping and installation costs are customer's responsibility.

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