



*Truck and Jeep Accessories*

**KJ71049BK**  
**Center Hood Vent**



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**Instruction Sheet: P21361**

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Inc.**

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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](http://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 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](http://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
8	S21366	M4-0.7 Socket Head Bolt
8	S21367	M4 Flat Washer
1	M56136-BK	Center Vent
1	M21344-BK	Center Vent Ring
1	P21362	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 or damaged components free of charge.

1. Raise hood and remove the hood insulation blanket.

**Tools:** Fur Tree Removal Tool

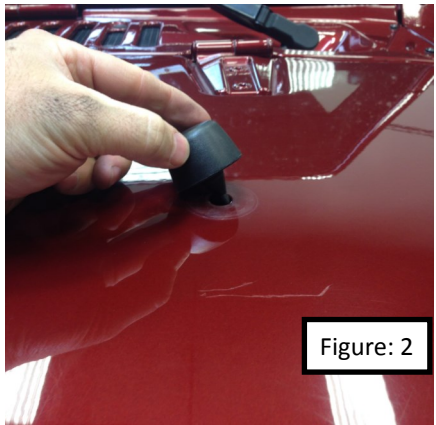
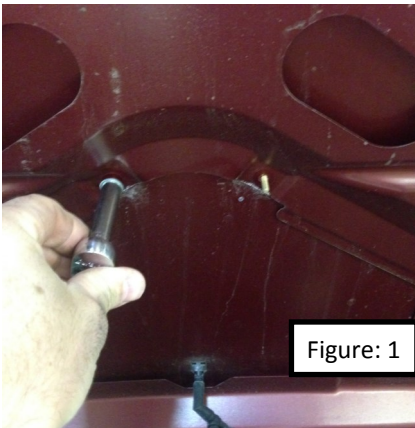
2. Remove Footman loop. Figure: 1

**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.



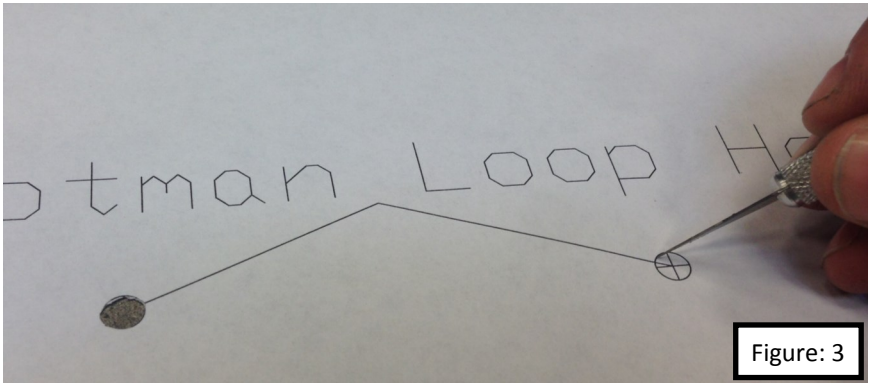


Figure: 3

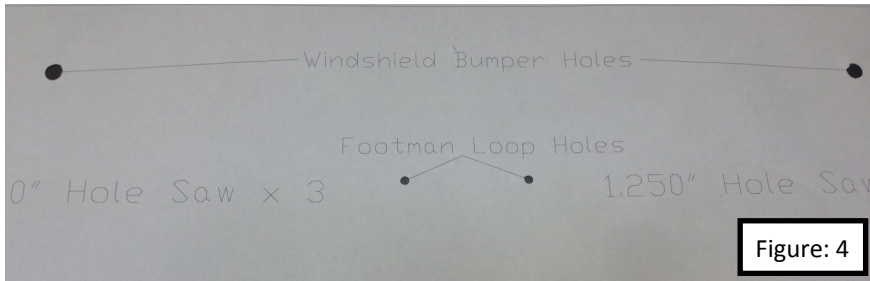


Figure: 4

- 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

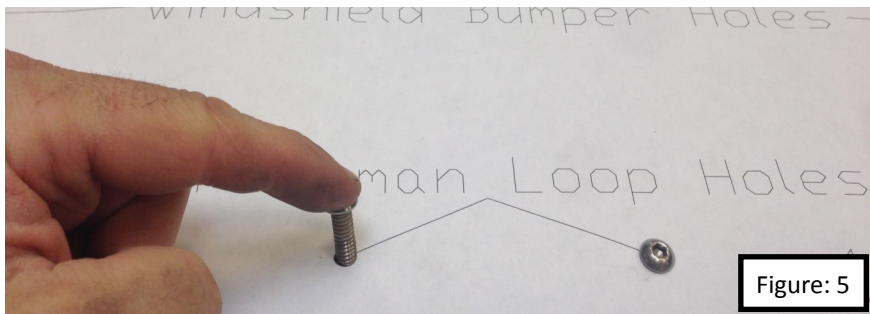


Figure: 5

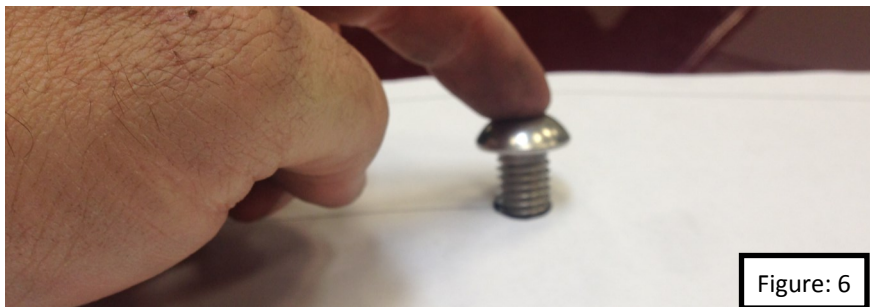
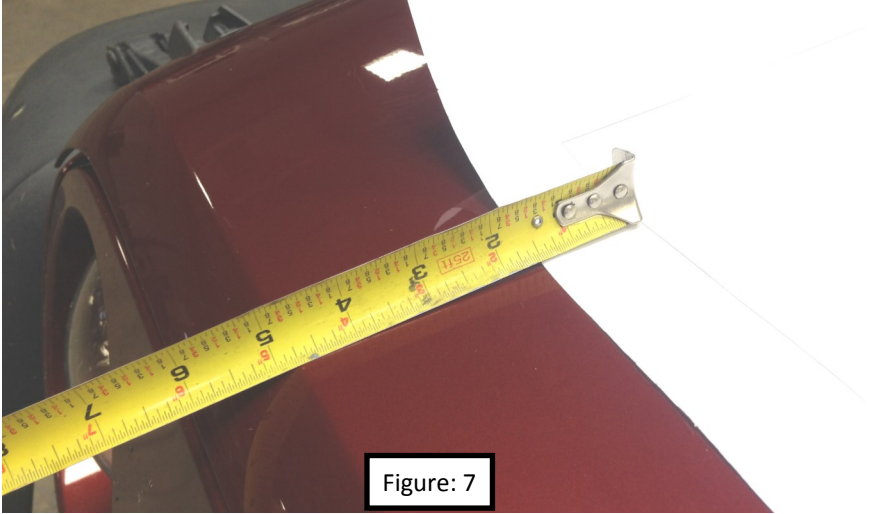
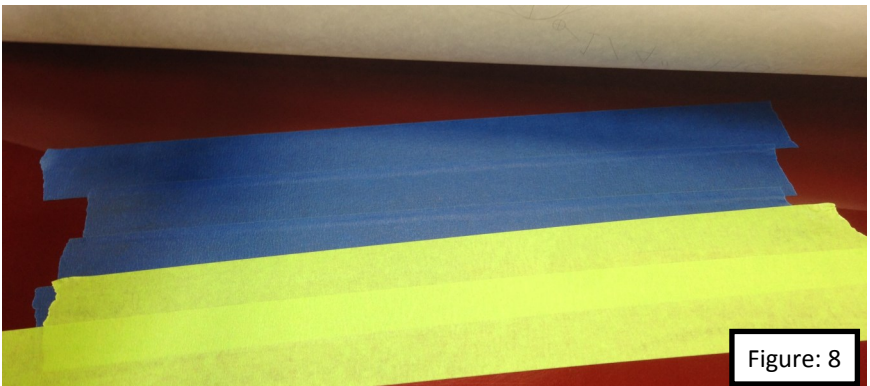


Figure: 6

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  $4.75'' \pm 1/16''$ . The goal is to make sure the measurement is identical on the left and right sides. Figure: 7



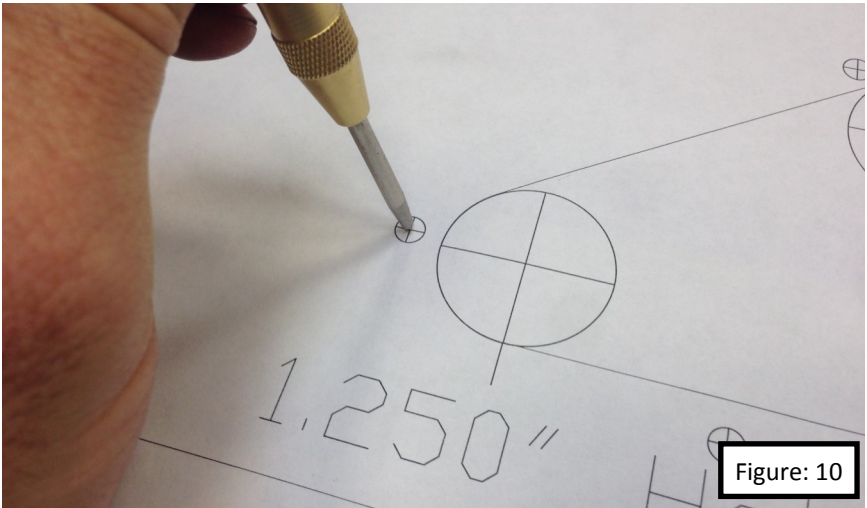
8. Now that the template is located tape the top edge, so that it will not move.
9. Place the painters tape under the areas that area to be drilled and cut out. This step will help protect the paint during the installation procedure. Figure: 8



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



12. Lower the hood
13. Center punch all of the holes to be drilled. 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 hood's sheet metal does not deform.

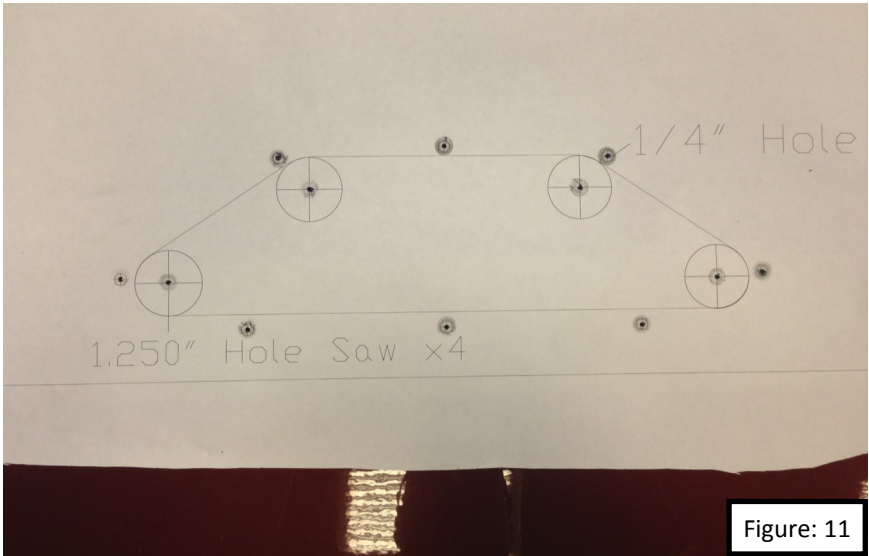


Figure: 11

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

**Tools:** Exacto knife or Razor knife.

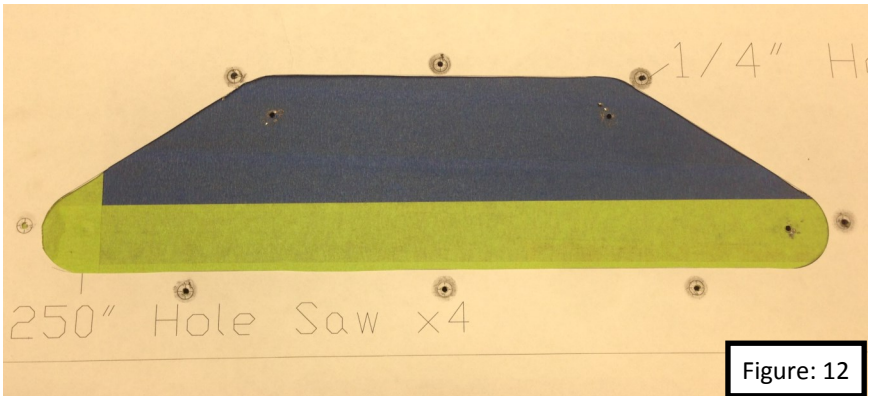


Figure: 12

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

**Tools:** Marker or Paint pen.



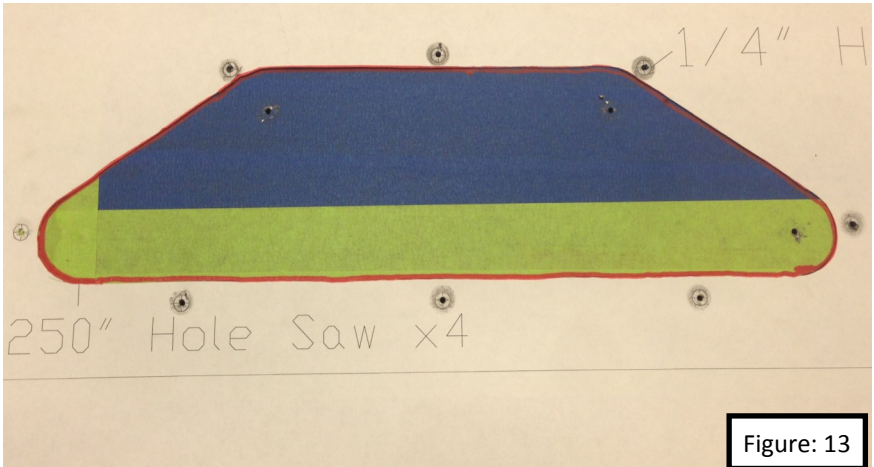


Figure: 13

18. Open up the four (4) 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.

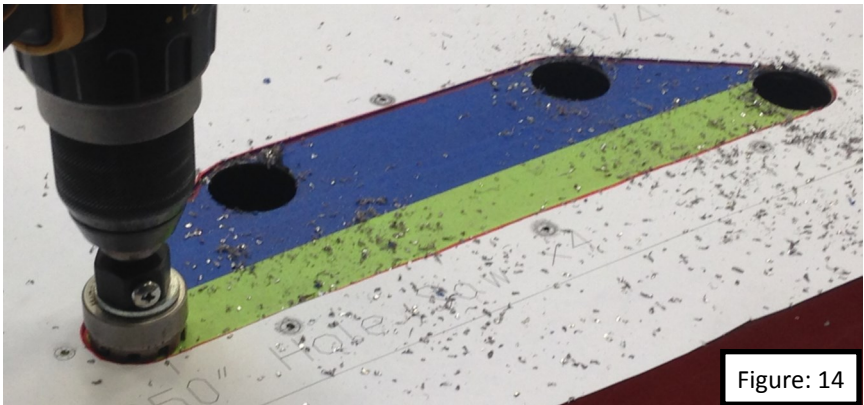


Figure: 14

19. Open up the eight (8) mounting holes on the outer perimeter to 1/4". Figure: 15

**Tools:** Drill & 1/4" Drill Bit

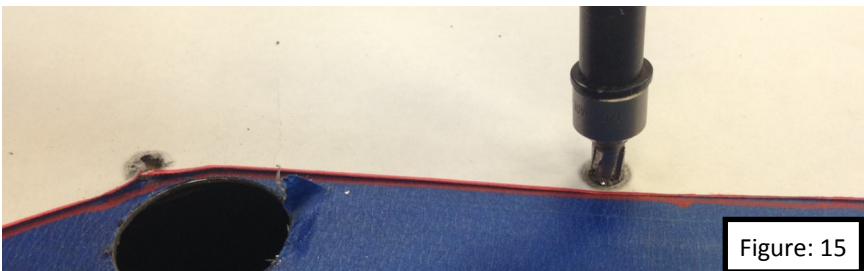


Figure: 15

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

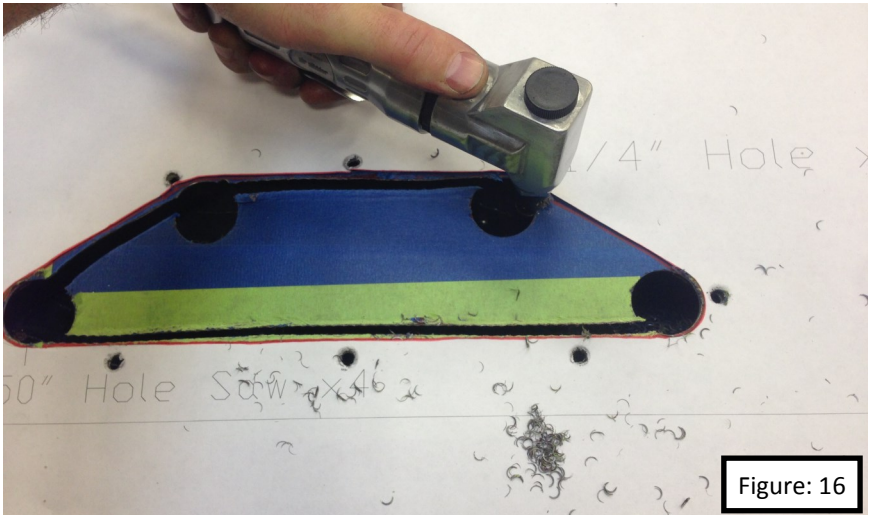


Figure: 16

21. Trim or grind excess hood material away until the hole in the hood matches the template, and the center hood vent will drop into the hole with a little bit of wiggle room.

**Tools:** Angle Grinder

22. Remove the center 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 center 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 ring, 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.



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 center hood vent into place.
39. Collect eight (8) of the flat washers and 4mm bolts.
40. Place a drop of blue 242 Loctite on each bolt.
41. Install all (8) of the 4mm bolts with washers. Until, all are installed leave them loose to allow for adjustment.
43. Tighten up the eight (8) bolt. They just need to be snug, once you see the polyurethane ring start to compress, the bolts are tight enough.
44. Congratulations you are finished. Now step back and enjoy your work.





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**What is Not Covered? Your Vehicle & Parts Not Daystar's GoEverywhere:**

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.

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**Other Exclusions –Limitation of Damages - Your Rights Under State Law. Stuff Lawyers Say.**

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