



HYLINE

OFFROAD

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Proudly Made In USA

Installation Instructions:

XJ Hood Louver Panel

Part Number: **500.500 Series**

Vehicle Fitment:

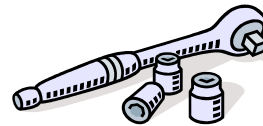
1987-2001 Jeep Cherokee

Parts List

Qty:

- 1 Left Side Louver Panel
- 1 Right Side Louver Panel
- 1 Steel Template
- 50 Nylon Locknuts
- 2 10-32 Pan Head Screws

Tools Needed



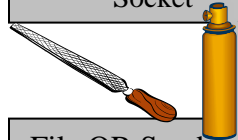
Ratchet
13mm & 3/8"
Socket



Electric Drill
1/16", 13/64" & 1/4"
Bit, 1" Hole Saw



Jig Saw OR
Cut Off Wheel



File OR Sandpaper
Clear Spray Paint



Safety Glasses



Flat Screw Driver

Congratulations on your purchase of the Hyline Offroad Hood Louver Panel. All of our products are completely manufactured in our facility located in Perkasi, PA. They are designed and engineered by Offroad enthusiasts just like you to be rock solid at an affordable price. Hyline Offroad would like to thank you for your recent purchase and look forward to serving you in the future.

Hyline Offroad Staff

PLEASE READ INSTRUCTIONS BEFORE BEGINNING INSTALLATION

BEFORE INSTALLING

If you ordered the Hood Louver Panels raw you should paint, anodize, powder coat, etc. now before installation onto vehicle. PEEL OFF THE VINYL PROTECTANT COVERING BEFORE PAINTING OR FINISHING. If Hood Louver Panel was ordered black powder coated your now ready to continue to step 1.

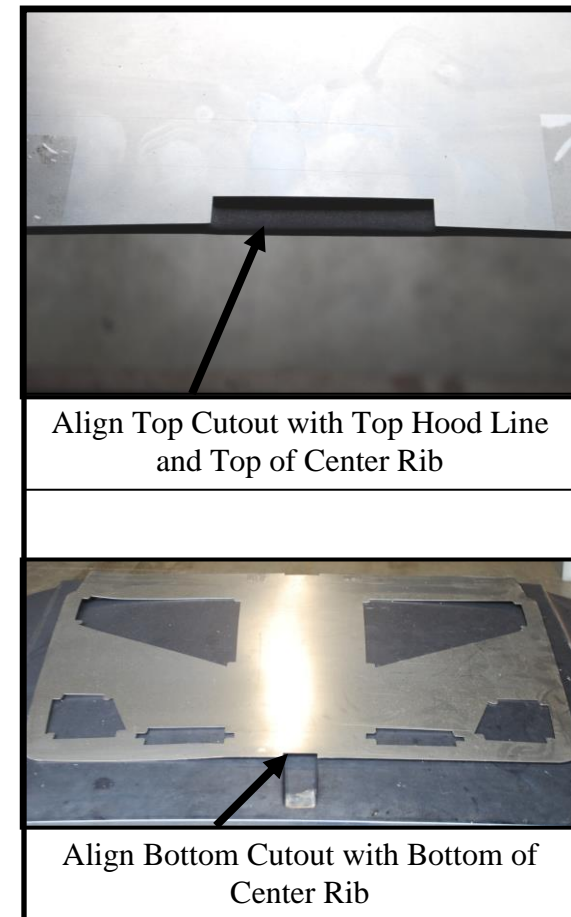
Hood Louver Panel Installation

Step 1 – As a safety precaution - Remove the hood from your vehicle before drilling or cutting. First, open the hood and prop open. Then disconnect the Hood Release cable from the latch mechanism bracket. You may need to bend the bracket forward slightly to gain access to unhook the cable. Now using the 13mm socket you can unbolt the four bolts from the hood hinges. The hood should now be free to remove.

Step 2 – Once the hood is removed, place the hood on a flat, solid work area. To prevent potential scratching you may want to use painters tape and mask off the areas on the hood that the template comes in contact with that will not be covered by the hood louver panels. The center area is generally where you want to tape.

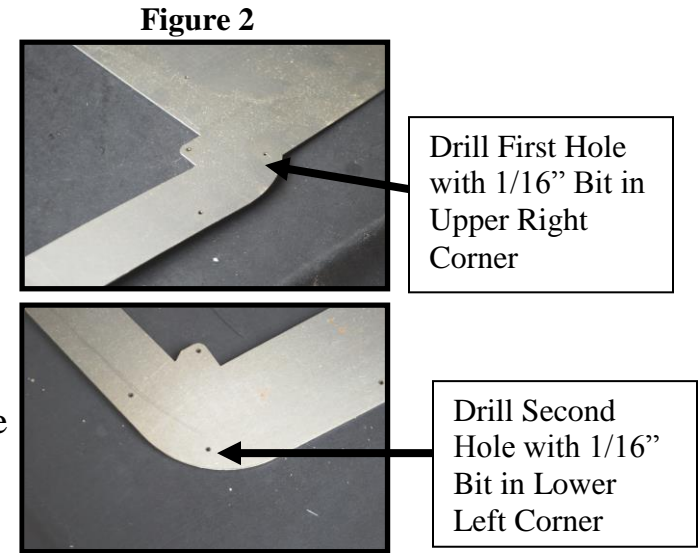
Step 3 – Position the steel template so that the top edge of the template is in line with the top edge of the hood and the notches in the top and bottom of the template align with the center rib that runs down the center of the hood. (See Figure 1)

Figure 1



Step 4 – Once the template is located properly you can hold or tape the template in place and drill the first hole using the 1/16” Bit. Then use the 13/64” Bit and re-drill that same hole through the template and hood. (See Figure 2)

Step 5 – Now fasten one of the supplied 10-32 Pan Head Screws with nylon lock nut through the hole you just drilled. This will hold the template in place when drilling the second hole.



Step 6 – Drill the second hole in the opposite corner (bottom left) using the same process as in Step 4. Fasten the other supplied pan head screw with nylon lock nut through this hole. Now the template should be held in place securely enough to drill all the other holes.

NOTE: USE 1/16” BIT AS PILOT HOLE BEFORE DRILLING WITH 1/4” BIT TO BETTER ENSURE ACCURACY! DO NOT MOVE TEMPLATE UNTIL STEP # 9.

Step 7 – Using 1/16” Bit, drill the small holes (50 total), then drill the holes in the four corners of each cutout (24 holes total, 6 cutouts)

Step 8 – Using a marker trace the inside perimeter of the cutouts. You’ll use these as reference lines when cutting these out.

Step 9 – Now carefully remove the template, making sure you don’t scratch the paint. Using the 1/4” Bit, re-drill all the holes. Take your time and drill slowly so you don’t dent the hood. You’ll need to drill through the hood and hood supports in four locations. See NOTE and Figure 3 on the next page.

****NOTE** You will need to use the 1” hole saw to expand 4 holes under the hood in the support channels in order to attach the nut to the stud. See (Figure 3)**

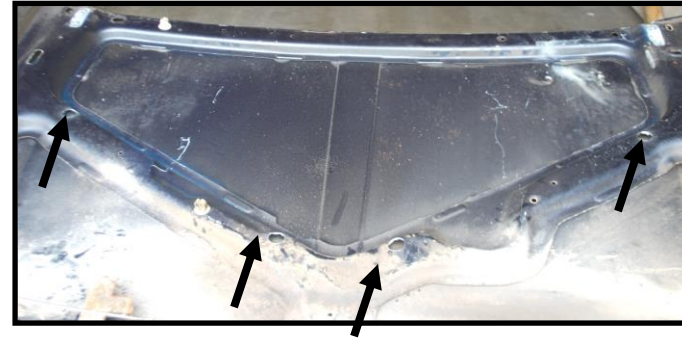


Figure 3

Step 10 – Once drilling is completed, Use 1” Hole saw and drill each corner of the 6 cutouts (24 times total).

Step 11 – Now you can use a jigsaw or cutoff wheel to trim out the cutouts. Simply follow the lines you traced from the template. After drilling and cutting, use the file to deburr and clear spray paint to prevent rust.

****MUST READ BEFORE MOVING TO STEP 12****

Lubricate Nylock Nut Threads With WD-40 or Anti-Seize Prior To Installing. DO NOT USE A PENETRANT & DO NOT OVERTIGHTEN NUTS. Penetrant products are corrosive which will melt locknut materials and overtightening will cause distortion on Hood & Louver Panel.

Step 12 – Install the Left Hood Louver Panel onto hood and assemble nylon locknuts to threaded studs using the 3/8” socket. Tighten the nuts just enough until they touch the steel hood.

Step 13 – Follow the same process as in Step 12 and install the Right Hood Louver Panel. Reinstall your hood onto the Jeep, reattach the hood release cable and you’re done.

Send your OFFROAD pictures to pics@HylineOffroad.com . If we choose any one of your pictures to be used on our website, We send you a FREE Hyline Offroad T-Shirt.

**** IMPORTANT: PLEASE READ BEFORE INSTALLING**

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HYLINE OFFROAD, LLC. LIMITED WARRANTY Hyline Offroad, LLC, warrants all products against manufacturer's defects in workmanship and material for a period of one (1) year from the date of sale. This warranty applies to manufacturer's defects only and does not cover damage or failure caused by natural causes or third parties.

If product failure does occur within the time period specified according to the provisions of this Warranty, then Hyline Offroad, LLC agrees to provide the replacement product free of charge, F.O.B. factory. This Warranty is valid only so long as the product is installed on the original vehicle. Removal of the product from this vehicle automatically invalidates this Warranty.

As described above, this warranty is expressly limited to the material cost of the product and does not extend to labor costs. Hyline Offroad, LLC will not be responsible for any costs incurred in the removal or reinstallation of the product furnished by manufacturer under this warranty.

CLAIMS PROCEDURE Submit Warranty claim in writing, by certified mail to Hyline Offroad, LLC, 1507 C West Park Avenue, Perkasio, PA 18944. The Claim Notice must state the date of this Notice, the nature of the defect, date of purchase and if already installed, the date of installation, if installed the name of installer and include Proof of Purchase.

This Warranty shall be for the benefit of the original owner only, and is non-transferable. This Warranty is valid in those states where permitted. Some states do not allow limitations on the length of an implied warranty, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. You should check your local state laws to determine this. This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

THE WARRANTIES SET FORTH IN THE FOREGOING PROVISIONS ARE LIMITED TO THEIR PRECISE TERMS AND PROVIDE EXCLUSIVE REMEDIES EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION IN THE FOREGOING PROVISIONS. HYLINE OFFROAD, LLC EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY WITH REGARD TO THE PRODUCTS. HYLINE OFFROAD, LLC IS NOT LIABLE TO ANYONE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED. HYLINE OFFROAD, LLC IS NOT LIABLE FOR DAMAGES TO PERSON OR PROPERTY, CONSEQUENTIAL LOSSES, LOSS OF PROFIT, LOSSES OF PRODUCT IN STORE, OR THE LIKE, UNDER ANY CIRCUMSTANCES AND HYLINE OFFROAD, LLC'S LIABILITY IN ANY CIRCUMSTANCE IS SPECIFICALLY LIMITED BY THE TERMS OF THIS WARRANTY.

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1. In purchasing a Hyline Offroad, LLC Product™ I release, waive, discharge and covenant not to sue Hyline Offroad, LLC's officers, servants, agents, or employees (hereinafter referred to as Releasees) from any and all liability, claims, demands, actions and causes of action whatsoever arising out of or related to any loss, damage, or injury, including death, that may be sustained by me (or anyone else), any property belonging to me (or anyone else), whether caused by the negligence of the releasees or otherwise, while working on, using or any activity related to this product.
2. I am fully cognizant of any risks and/or hazards connected with the use of a this product and I elect to willingly engage in such use of this product knowing that the use may be hazardous to me and my property. I willingly assume full responsibility for any risks of loss, property damage or personal injury, including death, that may be sustained by me (or anyone else), or any loss or damage to property owned by me (or anyone else), as a result of using this product, whether caused by the negligence of releasees or otherwise.
3. I further agree to indemnify and hold harmless the releases from any loss, liability, damage or costs, including court cost and attorney fees, that they may incur due to my use of a this product, whether caused by negligence of releasees or otherwise.
4. It is my express intent that this Release and Hold Harmless Agreement shall bind the members of my family and spouse, if I am alive, and my heir's assigns and personal representative, if I am deceased, and shall be deemed as a release, waiver, discharge, and covenant not to sue the above named releasees. I further agree that this Waiver of Liability and Hold Harmless Agreement shall be construed in accordance with the laws of the State of Pennsylvania.

By accepting and installing this product, I acknowledge and represent that I have read the above Warranty and Hold Harmless Agreement, understand it and accept it willingly as my own free act and deed; no oral presentations, statements, or inducements, apart from the foregoing written agreement, have been made; I am at least eighteen (18) years of age and fully competent; and I execute this Release for full, adequate and complete consideration fully intending to be bound by same.

If you do not agree with the preceding Hold Harmless Agreement, you may return the product and receive a full refund. Please, contact a Hyline Offroad sales representative and they will issue a call tag for the product in question. Once the product has been received by Hyline Offroad, inspected and accepted for return, a full refund will be issued.