

JP735-S '97-'06 Ram Air Scoop

Functional Hood Scoop Installation Instructions

NOTE A. Check for shipping damage; if damage is found immediately contact the company where you purchased the product.

NOTE B. You must pre-fit the hood scoop prior to paint. Warranty is void if hood scoop is not prefitted to factory hood before painting and permanently installing.

NOTE C. Prior to beginning pre-fit procedures, you must use the supplied extra 1" bolt and apply a lubricant such as oil or WD 40 onto bolt shaft – then carefully screw the bolt into EVERY nut sert in the scoop. This is done to prevent any binding of the bolts during installation.

Tools needed:

#2 philips screw driver	1/2" wide masking tape roll
70-90% isopropyl alcohol	several clean rags or clean paper towels
sharp 1/2" drill bit	one 4-1/2" sharp hole saw
one power drill	touch up paint, any color
sharp center punch or awl	one T40 torx bit
one 3/8" ratchet	one 7/16" socket
one short extension	two sheets 220 grit sandpaper
one 9 mm socket	one razor blade or stanley knife
one small tube of a silicone adhesive caulk; black or clear	
Naptha or a suitable cleaner such as Goop; do not use lacquer thinner or acetone	

1. The scoop is designed to fit OE hoods. If you have an aftermarket replacement or damaged hood, you may not get an exact fit.

➡ DID YOU FOLLOW "NOTE C" ABOVE TO PREVENT BINDING OF THE BOLTS?

2. Pre-fitting the scoop can be accomplished with the hood on or off the Jeep. It may be easier to pre-fit and install the scoop on lifted Jeeps with the hood removed. The most effective way to do a complete installation of the scoop off the Jeep is to remove the hood as follows:

- A. Remove the wiper arms by sliding the attachment clips at the arm base and pull the arms from the shafts.
- B. Measure the gap on each side of the hood rear between the cowl and the hood at the bottom corners. Write down measurements for re-installation. Remove screw in the center of cowl grille and the 4 screws below windshield and the screws behind the cowl rubber molding located at the front edge of cowl. The molding is easily removed for easy access to screws. Carefully remove the cowl.
- C. Using a #40 torx bit remove the two screws that hold the rear of each hood hinge to the inner cowl base. Undo latches and remove hood.

3. Carefully remove the rubber bump stops and the metal hoop from the hood. Save bumps stops to re-install later.

4. Lay the supplied paper template on top of the hood. Using a ruler or tape measure and space the back of the hood scoop line on the template 6-7/8" from the back of the hood. Align the holes in the hood that the bump stops were removed from with the holes that you cut out with a razer blade on the template. Using tape measure, center the template by following the instructions on the template. When the template is aligned, carefully tape the template in place making sure it does not move while taping. Check measurements and hole alignments again after taping is done.

5. Using a center punch or awl, center punch the four dots marked 1/2" hole and the hole marked 4-1/2" hole. Remove pattern and cut the 4-1/2" hole and drill the four 1/2" holes. Use 220 grit sandpaper to remove the sharp edges left by the hole saw. Wear a glove or use a sanding block so you don't cut yourself. 6. Position hood scoop onto hood and hand start all bolts making sure hole alignments are correct. Once you are satisfied with the pre-fit, remove scoop. Lightly sand the bottom edge with 220 grit sand paper to smooth out any rough or sharp edges. Now prep scoop for painting by FOLLOWING ENCLOSED INSTRUCTIONS FOR PAINTING ABS PLASTIC.

6. Use touch up paint and coat the raw edges left from cutting the holes.

7. Once scoop is painted and thoroughly dry, place the scoop upside down on a clean soft surface that won't scratch the paint. **Make pull tabs** by peeling the red protective tape film from the two sided tape in all places where tape ends and begins again; make pull tabs approximately 1-1/2" long. Fold the red tape over itself and sandwich it between pieces of double folded strips of masking tape. These masking tape pull tabs should be approximately 4" long. Lightly tape the 4" tabs to the top painted surface of the hood. Next make 4 "tape" shims by triple folding masking tape approximately 1" square. Using isopropyl alcohol, clean the surface of the factory hood with a clean cloth in the areas where the tape will make contact.

8. Position two pieces of the triple folded masking tape shims on the hood at the back edge of where the scoop will be positioned and two pieces on the front of the hood where the front edge of the scoop edge makes contact. Use the silicone adhesive and put a good size bead of adhesive on the underside of two scoop tips. Carefully place the scoop onto the hood making sure that the tape shims are under the scoop edges. Position the scoop where you want it and start the front two 1" bolts using the 1-1/2" washers. Just start the bolts but do not tighten. Next start the two rear bolts using the two 1" bolts and two 1-1/2" washers. Start bolts only but do not tighten.

9. Re-check the scoop for position and carefully pull the tape tabs, removing all of the red tape film. Once tape is removed, carefully pull the 4 tape shims out and press down on hood scoop. Carefully snug the bolts but **DO NOT OVERTIGHTEN**. Use Naphtha to clean any adhesive residue from hood surface.

If you removed hood, re-install and align it. Carefully re-install the cowl cover and wiper arms. Plenum instructions are separate.

IMPORTANT INSTRUCTIONS FOR PAINTING ABS

It is imperative that the parts you plan to refinish be thoroughly cleaned with the correct products to ensure that all mold release agents, greases and oils are removed. Failure to clean a substrate properly can easily cause an otherwise good system to turn out poorly.

CLEANING & PAINTING ABS

All parts should be thoroughly cleaned before painting.

1. Wash both sides of product with liquid dish or commercial grade soap and water.
2. Wipe with 2319S Plastic-Prep to remove mold release agents, greases and oils. Wipe a few times to maximize cleaning. (Note: 2319S is made for cleaning plastic parts. Do not use this as a wiping solvent over bare metal or freshly primed areas. 2319S works well over OEM and aftermarket parts. It can be aggressive over remanufactured parts).
3. Hand sand with gray scuff pad or 800 grit sandpaper. Sanding is essential when painting over plastics and is always beneficial in promoting adhesion. If the part comes pre-primed, scuff the primer without breaking through the substrate.
4. Apply Plas-Stic 2330S or A-2330S (one coat).
5. Apply your choice of topcoat: ChromaSystem Activated Basecoat with Flexibilized

Clearcoat or ChromaSystem Flexibilized Single-Stage or Dupont Vinyl Color



The above products and methods are supplied by DuPont Automotive Finishes. Other paint manufacturers have their own recommended systems for painting plastics.