



Kit contents: 2 Lanyards with stainless steel lynch pins, 2 billet plates, 8 screws, 2 poron seals, 2 delrin bushings, 2 stainless pins with nuts, 2 spiked hole locators, 2 beauty washers, 2 rivet nuts, 2 rubber hood bumpers, and 1 install kit.*

*Install kit sold separately

TOOLS REQUIRED:

- 3/4" box end wrench
- 3/8" ratchet w/ 3/4" socket
- Drill w/ 1/16", 1/8", 3/4", and (optional) phillips head bits
- 3/4" holesaw bit (optional)
- Dremel w/ carbide barrel bit
- Metal deburring tool
- Rivet gun with 1/8" rivets (optional)
- Catch mat
- Sharpie
- Automotive masking tape
- Can of WD-40 (or similar lubricant)

PREPARATION:

STOP!!! PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO ASSEMBLY! *If any part of this installation appears beyond your level of comfort or installation experience, please seek the help of a certified automotive professional!*

INSTALLATION INSTRUCTIONS:

Step 1: Start by "unscrewing" the factory rubber hood bumpers. You will then want to use your sharpie to trace the circumference of the rivet nut that is centered on the hole where you have just removed your factory hood bumpers.

Step 2: Then, being careful to take your time, use the dremel and carbide bit to grind the metal so that your hole is the size of the one you traced in step 1. It is advised that you stop frequently to deburr the hole and test the fit of the rivet nut. The rivet nut (collared end up) should be a slightly snug fit and not too loose in this hole.

Step 3: Using figure three as a reference, assemble your installation tool and rivet nut with beauty washer exactly as shown. The order top to bottom should be bolt, nut, washer, roller bearing, washer, rivet nut (collared end up) and beauty washer. *NOTE: It is very important that you lubricate the inside threads of the rivet nut with WD-40 (or similar lubricant) before assembly.*

Step 4: Set the entire assembly (in order) into the hole. The idea is to have the rivet nut collapse on itself and compress the sides of the nut onto the hole for a permanent fit. This is accomplished by holding the 3/8" ratchet with the 3/4" socket in place over the bolt and turning the 3/4" boxed-end wrench over the nut clockwise. Do this slowly and with pressure until you are satisfied the rivet nut is securely in place with the beauty washer. At this point you can loosen the nut and remove the bolt, nut, washer, roller bearing and washer as shown. Be sure and do this to both sides.



Step 1



Step 2a



Step 2b



Step 3



Step 4a



Step 4b

Step 5: Next screw in the spiked locator pins into the rivet nuts and lower the hood onto the spikes. You'll want to place some pressure on the hood over the position where the locator pin is to leave a visible mark under the hood.

Step 6: At this point we encourage the help of a friend to steady the hood while you drill. The mark the locator pin created under the hood is the spot where the pilot hole can be drilled with your 1/8" bit. Remember, this is the hole the pin will penetrate through the hood through, so be sure and drill as perpendicular to the plane of the bottom landing of the hood (where the OEM rubber hood bumper used to rest when hood was closed) as possible for best results. It is also now that you want to lay the catch mat down to catch the metal bits that fall from the hood during drilling. After the 1/8" bit you can step up to the 3/4" bit or 3/4" holesaw if you prefer instead. Clean the hole up with your deburring tool and remove the catch mat.

Step 7: Install the vertical pins into the rivet nut after removing the spiked locator pins. Using the automotive masking tape, tape approx a 6" diameter area around the new hood pin hole to protect the hood paint. Adjust the pins to the correct height with the hood closed completely and lay down the hood pin plates by hand through the pins, making any necessary clearances if needed along the way. You will also need to install the lynch pins from the lanyards for proper orientation. Note that the plates with lynch pins installed will sit at about a 45° angle to the front of the vehicle due to the slope of the hood. Mark your four hood pin plate holes with your sharpie and drill with the 1/16" drill bit. Remove the masking tape and use the provided screws into pin plates for final installation of the plates ensuring that the plates have their accompanying delrin inserts and rubber hood gaskets. Install provided rubber bumpers over pins.

Step 8: Finally, in the lower ledge of the radiator support directly in front of the rivet nut, drill a 1/8" hole and secure the end of the lanyard (opposite the lynch pin) with a 1/8" pop rivet or self tapping screw.

You are now finished.

Enjoy your new Billet hoodpin kit!



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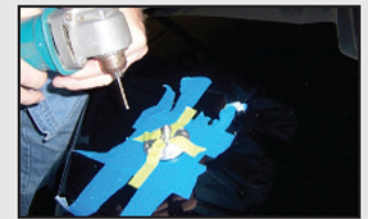
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Step 5



Step 6



Step 7a



Step 7b



Step 8