

05 Hood Pin Installation How To

Please read the entire how to prior to starting any work!

Note: It is necessary with the pin location covered in this how to, to install hood struts since the stock hood prop location WILL interfere with your hood pins.

Tools Needed:

- 1/4" & 3/8" Drill bit
- Step Bit
- Center Punch
- (1/2")? Tap same size as pins (Method #2)
- Exato knife
- Crescent Wrench
- 10mm socket
- (8) #6 x 5/8" S.S. Pan Head Sheet Metal Screws
- White Shoe Polish
- 13/16" Grommet by HELP products #80191 - AutoZone

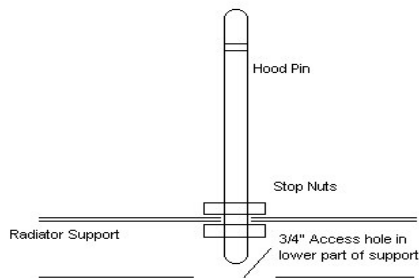


The first step is to determine the location for the hood pin placement. I placed my pins slightly to the right and left of the front plastic radiator cover as shown in photo #1. 1st, measure 1" off of the plastic radiator cover on both sides. Next determine the center point of your mark by marking the metal rail 1/2 way between the rail. Use a center punch to aid in drilling the holes. Now with the holes marked and punched we need to drill the holes in order to mount the pin. This can be done one of two ways, however first we must understand how the pin is mounted. The pin has two nuts, one that fastens against the bottom of the metal it is being placed in and the other nut above the metal. When both nuts are tightened, they will act against each other, thus tightening and locking the pin against the metal in was placed in. Mounting the pin can be achieved one of two ways:



The first method and the way I did it was to use a 1/4" drill bit and drill through the first layer of the radiator support on your marks as well as drill through the bottom layer of the radiator support about 1" below the upper hole. Next take a step bit and drill through the upper 1/4" hole until the pin fits in your hole. The next step will require you to remove the bumper and front grille in order to gain access to the lower hole. (See how to remove bumper) Because, the pins are not long enough to go through both holes it is necessary the drill the lower hole with the step bit enough to get the nut in the radiator support so a nut can be placed on both above and below of the upper hole. I found that approximately a 3/4" hole is required to allow enough access.

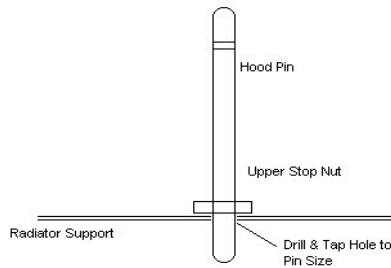
Method #1



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The second method, and in high and sight, easier method is to drill using a 3/8" (*not sure of size, use what ever size is needed for the same size tap as the hood pin*) bit, which is slightly smaller than the pin and tap the hole to the same size as the pin. This will accomplish the same principal as indicated above only now you are using your tapped hole as your lower retaining nut, and no access hole is required. This method should not require removing the bumper, however, it is imperative that you use the correct size bit and tap.

Method #2



Now, with the pins installed, it is time to mark and drill our holes in the hood. 1st start by lightly closing the hood and apply light pressure to the hood, approximately above where the pins are placed. This will indent the hood liner locating the pins on the liner. Next, using an Exato knife or like tool to cut a hole where the impression was made, enough to allow the hood pins to pass through freely. Next apply a generous amount of white shoe polish or like substance to the top of the hood pins and gently close the hood, applying light pressure over the pins. This will mark the location of the hole on the bottom of the hood. Next, center punch the marked holes and carefully drill perpendicularly to the plane of the hood with a 1/4" drill bit. The hood is comprised of two layers so be aware of this when drilling. Also since the hood is alum. it will drill very easy, so be careful not to apply too much pressure and damage the paint with the chuck of the drill. Now with the 1/4" hole drilled, enlarge the hole from the top of the hood using a step bit to just slightly larger than the hole in the chrome plate supplied in the kit. Next enlarge the lower hole (two layers of the hood) from the bottom of the hood to about 13/16". Next, center the chrome plate on top of the hood over your hole then mark and drill the four small plate retaining holes using a 1/4" drill bit. I lined my holes up so that they were parallel with the front of the car. With the pins installed it is necessary to remove the stock hood prop, using a #10mm socket, since your pin location will interfere with your hood pins. It is recommended that you purchase hood struts from www.redlinerracing.com or modify your current hood prop.



With the holes now drilled, install a grommet from Murray's or AutoZone part #80191 made by HELP brand products, or 13/16 hole size grommet, so that the upper part of the grommet is between the two layers of the hood. This will help keep water out of the hood as well as keeping the two layers of the hood from squeezing together, giving an uneven look in your paint when you tighten the screws. Next you will need to install the plate retaining screws. I found that the supplied screws were not long enough so I purchased (8) #6 x 5/8" S.S. pan head sheet metal screws from the local hardware. Next, place the lower plate, with the beveled side down, under the hood, while installing the upper chrome plate. Install the four screws through the upper plate into the lower plate and tighten until snug. *Do NOT over tighten!*

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Now adjust the pin height by adjusting the stop nuts or nut, using a crescent wrench, until when the hood is closed, the clevis pins slide into the holes in the pins while applying light pressure to the side of the hood you are placing the clevis pin in. This will apply a light pressure to the hood pin when the clevis pins are installed which will keep the clevis pins from moving around while driving. To remove the clevis pins, apply a light pressure to the hood around the pin and pull out. By applying light pressure, you will keep from scratching the chrome plates. Then pull the stock hood release and open hood.



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Bumper Removal:

Tools Needed:

- Philips Screw Driver – remove fender well retainers
- Slotted Screw Driver – depress tabs
- 5.5 mm Socket – plastic cover
- 10 mm Socket - bumper bolts

1st remove the (7) small sheet metal screws from the bottom of the black plastic cover under the bumper. Depress the two retaining tabs and remove cover. Next remove both left and right plastic inter fender wheels. This can be done without removing the front tires, however, it is easier if the tires are removed. Next, remove the front grille by depressing the 2 tabs (upper & lower) on each side of the grille, while applying a light pulling force forward. With the grille removed, remove the two upper bumper screws.



Next, behind the bumper on the left and right sides, near where the fender meets the bumper, remove the two retaining nuts, total of four, 2 on each side of the car. The bumper is now free to be removed.