

JACK SIMONIAN ENTERPRISES

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Installation Instructions for the Secure Hood Lock for Jeep Wrangler

# Instruction Guide

## **Installation Instructions for the Secure Hood Lock**

### **Tools Required:**

Electric Drill

½ inch or 5/8 inches drill bits (for metal)

Open end, box, or adjustable wrench

Round file (optional, but good to have to clean up any burrs or to size up a hole)

Safety glasses (again optional but good to have)

Center Punch and Hammer (not required but it can help to keep the drill bit from Wandering)

Note: Installation was performed on a 1995 Jeep Wrangler Sahara equipped with air conditioning. More room between the grill and radiator is available with non-ac equipped models, however you should have plenty of room available between the ac condenser and the grill.

### **Step 1:**

Raise the hood and secure it with the prop in the open position. You will be drilling a hole in the front edge of the hood so make sure you hold the hood securely when you apply pressure on the drill.

Drape an old sheet, towel, or drop cloth over the engine compartment. This will catch the small bits of metal thrown off by the drill.

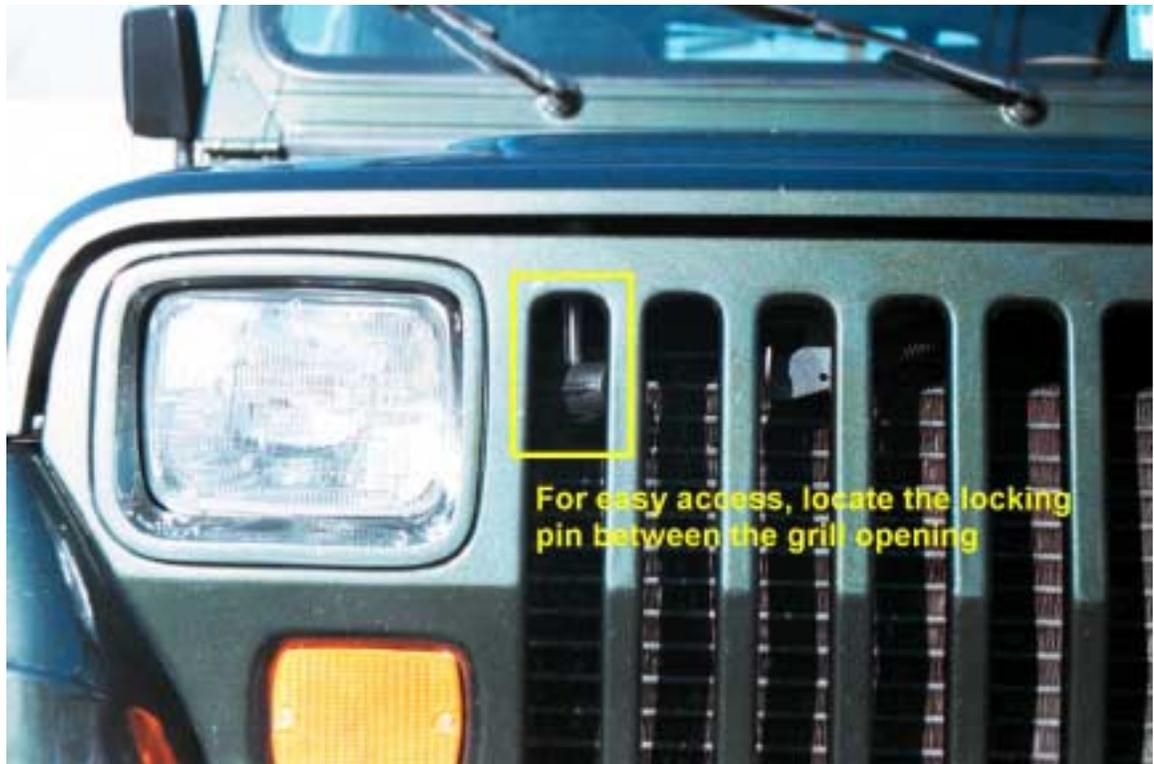


**Diagram 1**

### **Step 2:**

Locate the placement of the hole in the hood. This is where the locking pin will be mounted. Before making the hole, an important consideration will be getting access to the retaining nut. (see **Diagram 1**). Note the distance from the factory hole on the edge of the hood.

Also, try to line up the locking pin so that it falls between the grill opening (see **Diagram 2**). Try to mount the locking pin as far forward as possible. This will provide more clearance to mount the lock between the radiator/AC condenser and the grill.



**Diagram 2**

### **Step 3:**

After you are satisfied with the location, mark the spot where you will drill. You can use a center punch and hammer (this is not required but it can help to keep the drill bit from wandering)

Before you drill, I would recommend you wear safety glasses. In most cases (unless you remove the hood from the vehicle) you will be drilling in an overhead position. Safety glasses will help prevent bits of metal shavings from falling into your eyes!!!

Slowly, begin drilling the hole. You do not want to drill too quickly! Slow and careful drilling will produce a cleaner hole and will also reduce the chances of damage to the upper part of the hood when the drill bit cuts through the metal.

**Step 4:**

Mount the locking pin to the hood using the supplied nut. This could be a bit tricky depending on where you located the hole. A trick I uses was to tape the bolt to the wrench and slide it through the large opening where the hood latch is located. Secure the locking pin tightly in place. See **Diagram 1**.

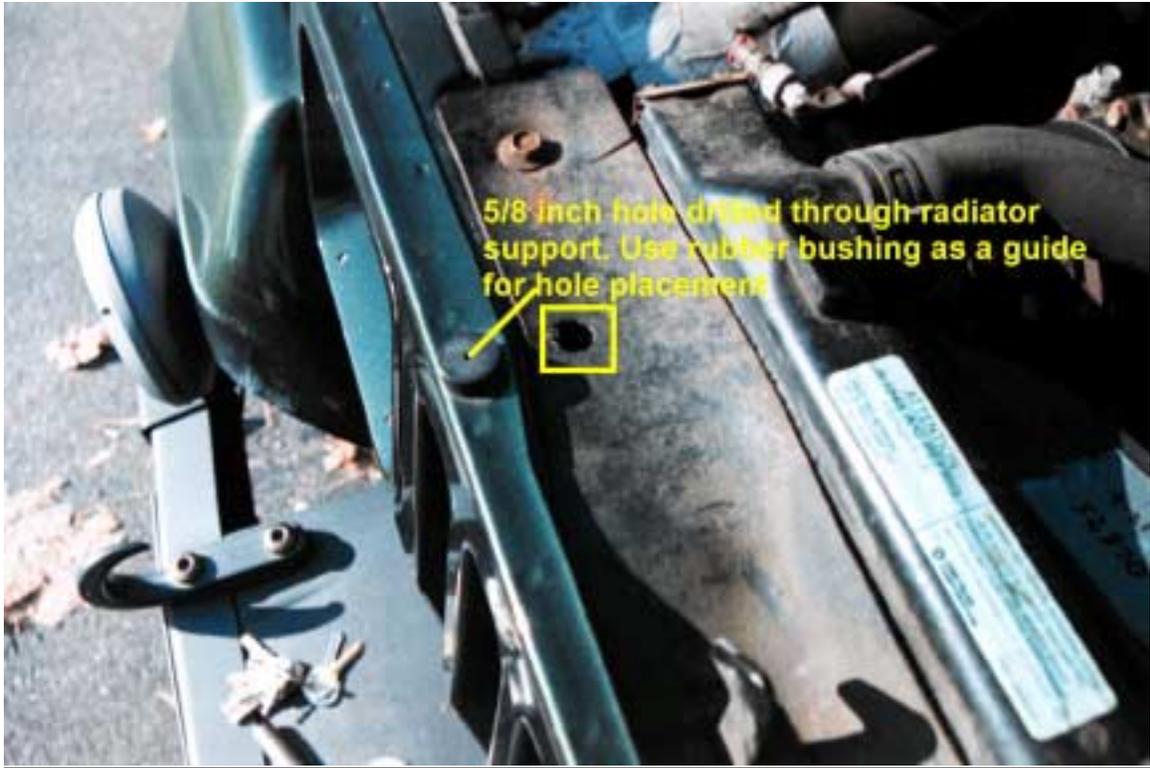
**Step 5:**

After you secure the shackle, gently close the hood and mark where the locking pin comes in contact with the radiator support. Mark this location and then raise the hood. Drill a 5/8 inch hole in this location. See **Diagram 3** and **Diagram 4**  
Before drilling, make sure there are no wires, hoses, or other lines of any type under the radiator support where you will be drilling the hole!!!

After you drill the hole, clean up the hole with a round file.



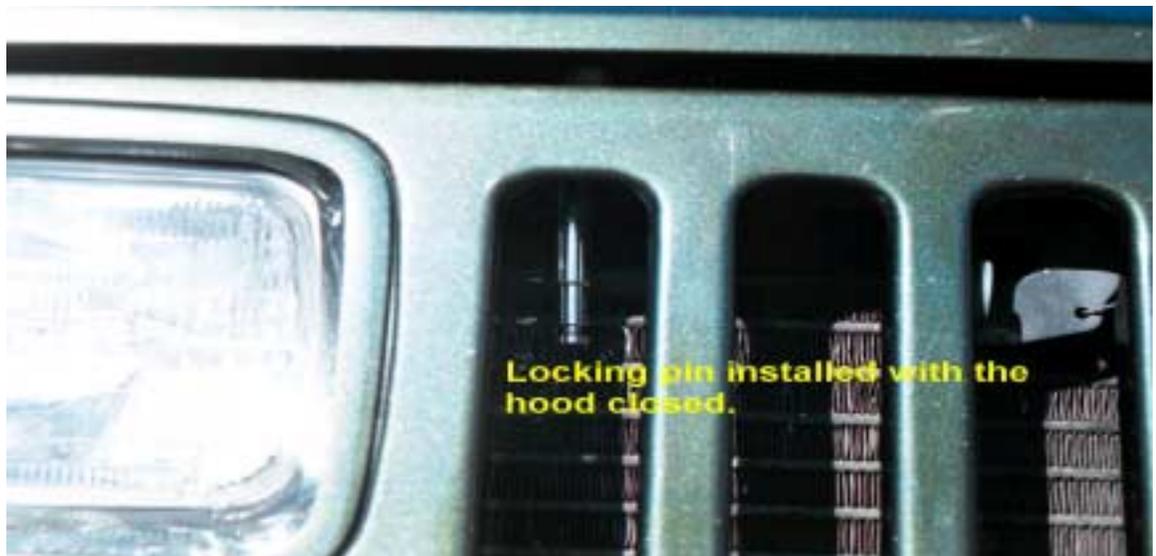
**Diagram 3**



**Diagram 4**

**Step 6:**

Test the installation by closing the hood. The hood should close as before and the locking pin should not bind on the radiator support. If you find that the locking bar is catching, you can file the hole a little larger. See **Diagram 5**



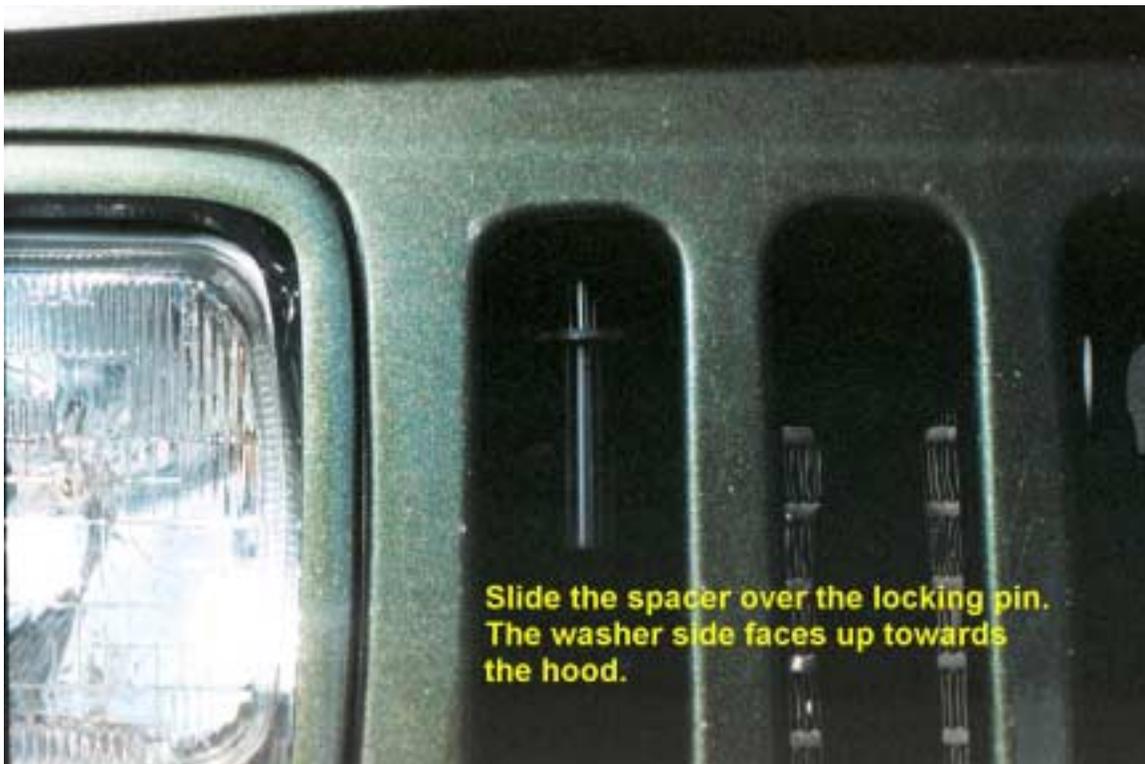
**Diagram 5**

**Step 7:**

After you are satisfied with the installation of the locking pin, close the hood and install the supplied spacer assembly (see **Diagram 6**). The spacer assembly is installed on the locking pin accessed from between the grill assembly. The purpose of the spacer assembly is two fold:

- 1) The spacer assembly will prevent the partial opening of the hood. Without the spacer, the hood can be raised to the point where the lock cylinder will meet the radiator support. The spacer assembly is a sleeve designed to take up this space.
- 2) The spacer assembly turns freely on the locking pin. This will make it more difficult for someone to try and grab the locking pin and turn it with a pair of pliers.

\*\*\*Note: The spacer assembly supplied should, in most cases, fit as supplied. However in those instances where the spacer is too long, it can be trimmed with a hacksaw or similar tool. It is OK if the spacer is a little short. The main point is that the lock cylinder be able to mount and close properly.



**Diagram 6**

**Step 8:**

After the spacer assembly has been installed, you can now install the lock cylinder. The lock cylinder is designed to swivel 360 degrees. This will allow the lock cylinder to be installed at an angle if the clearance between the radiator/ ac condenser is a little tight. Remember, **ALWAYS INSTALL THE CYLINDER WITH THE KEY OPENING FACING OUTWARD TOWARD THE GRILL! YOU MUST BE ABLE TO ACCESS THE OPENING TO INSERT THE KEY TO REMOVE THE LOCK!!!**

That it, you are finished!!! After the installation is complete, try and remove the assembly a few times to get comfortable with its function.

See the care and maintenance section for additional information.



**Diagram 7**

