



## **JEEP AUTOMATIC STEALTH HOOD LOCK**

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## PLEASE NOTE



### **WARNING**

Read all safety messages and understand all instructions and procedure notices before attempting to install or use this product.



### **CAUTION**

Check all connections and use cable ties to secure all the wiring and ensure nothing interferes with the gas and brake pedals after completed of the installation.



### **DISCLAIMER**

Modifying any of the components could lead to a short circuit, fire, or damage to your vehicle. Please install and use it according to the installation manual and related guidelines. We are not responsible for any losses caused by the product due to modifying the product or misuse.

# KIT INCLUDES



1 Lock Module x1

2 Controller Box x1

3 Mounting Bracket x1

4 Manual Unlock Switch x1

5 Air Tubes x2

6 OBD Power Harness x1

7 Zip Ties x9

8 Mounting Hardware Set x1

9 Rubber Grommet x1

# PRODUCT SPECIFICATION

**Model NO:** LO-JPL20

**Input Voltage:** 12V

**Total Output Watts:** 6W

**Waterproof Rate:** IP66

**Feature:** Jeep Stealth Anti-Theft Automatic Hood Lock

**Applicable Models:** Fit for 2018+ Wrangler JL, JLU, and 2019+ Gladiator JT(All Trim Levels)



Note: NOT compatible with the manual transmission.



# KEY FEATURES

- ✓ Anti-Theft Hood Lock - Keep The Jeep Under-Hood Investments Safer.
- ✓ Special Stealth Design - Doesn't Affect The Front Trail Camera.
- ✓ No Need To Carry Extra Keys - Use The Factory Key FOB To Lock/Unlock.
- ✓ Non-Destructive Installation - No Drilling Holes Or Trimming Grill Is Required.
- ✓ No Computer Programming Or Keyed By Dealer/Locksmith Is Required.
- ✓ Greatly Eliminate Hood Flutter On Uneven Trails.
- ✓ Waterproof And Dustproof Locking Mechanism.



## Three Emergency Unlock Mechanism Options -

Use Factory Key FOB  
To Lock/Unlock



Automatic CAN-BUS Control  
(Power Required)

or

Press The Manual Switch Button  
To Lock/Unlock



Automatic CAN-BUS Control  
(Power Required)

or

Pull The Manual Release Handle  
To UnLock.

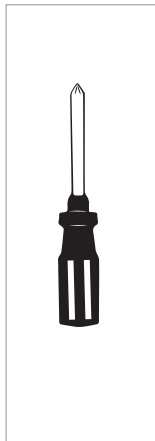


Manual Control If Battery Dies  
(No Power Required)

**NOTE:** The emergency switch must be turned off within 1 minute of being turned on. If you hear a beep, please turn it off, or there is a risk of power consumption.

# INSTALLATION MANUAL

## TOOLS NEEDED



Philips Screwdriver



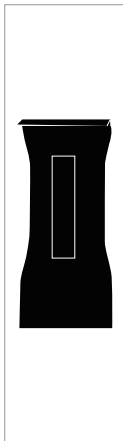
Clip Removal  
Tool



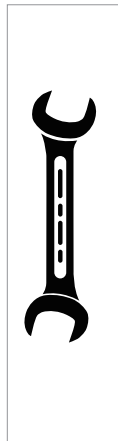
Cable Routing Tool  
(basic stick, unbent  
metal coat hanger)



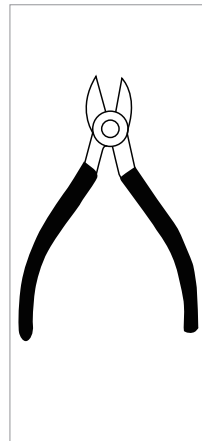
T30 Torx Bit  
Socket



Plastic Trim Tool



8mm and 10mm  
Crescent Wrench

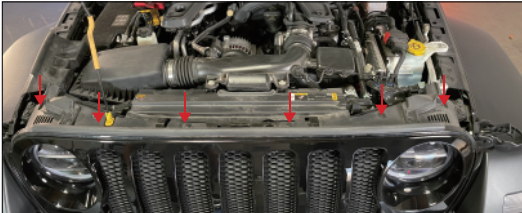


Wire Cutter



## Step 1 :

### Take Off The Grille Of The Jeep.



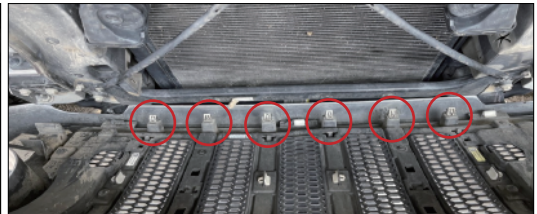
1.1 Find the six plastic clips on the top of the grille.



1.2 Remove the six plastic clips with a trim removal tool.



1.3 Remove the front grill by slightly pulling the top up.



1.4 Six metal clips hold down the grill.



**NOTE:** If you have the trail cam, you will need to disconnect 2 items before full removing the grille.



The water line can be disconnected directly behind the camera.



The electrical/wiring is below the driver side headlight.

## Step 2 :

### Install The Hood Lock Module And Connect The Air Tubes To The Locking Module.



2.1 Remove the two T30 Torx screws to install the lock module.



2.2 Align the holes and reinstall the two screws.



2.3 Press the line with the white stripe into the side with the blue dot, and the solid black line into the red dot.



2.4 Turn counterclockwise to remove the nut.  
2.4.1 Remove the nut before inserting the air tube.  
2.4.2 After inserting the air tube, tighten the nut with a wrench.

#### NOTE:

In actuality, the air lines are exactly the same so as long as you match them when they plug into the controller side it doesn't matter.

### Step 3 :

#### Route The Air Tubes And Mechanical Switch Cable Into The Cabin.



3.1 Use zip ties to secure the two air tubes and the mechanical switch cable (included with the lock module) on the metal bar.



3.2 Route the air tubes and the mechanical switch cable through the bottom of the Driver side headlight.



3.3 Use zip ties to secure the air tubes and mechanical switch cable with the existing wiring and route them along the engine bay.



3.4 Remove the old plastic grommet and slide all 3 cables/lines onto the included blue grommet and press it into place.

**Step 4 :**

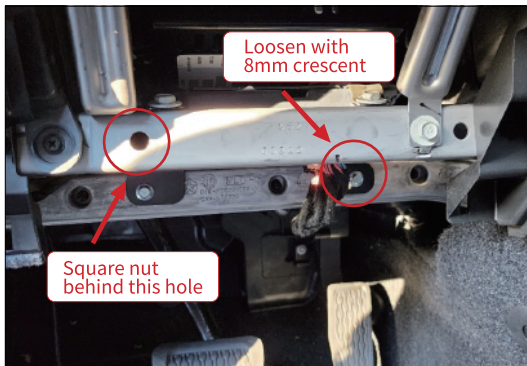
**Mounted The Controller Box Onto The Bracket.**



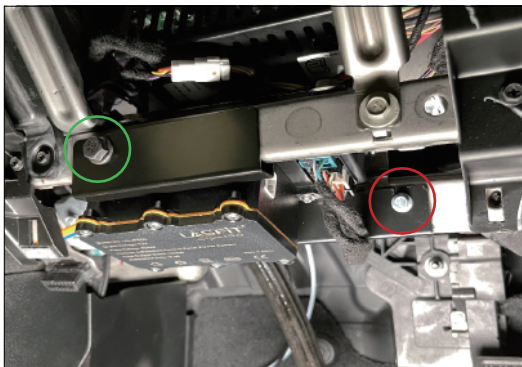
4.1 Fix controller box on the mounting bracket.



4.2 Remove the panel under the steering wheel using the trim removal tool.



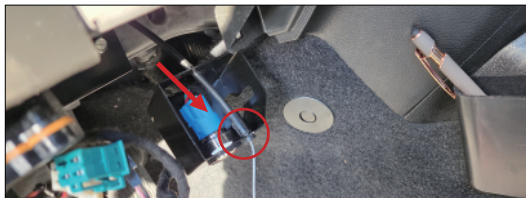
4.3.1 Attach the provided nut to the back of the rail;  
4.3.2 Align the nut with the bolt;  
4.3.3 Use an 8mm wrench to loosen the bolt, only loosening it a few turns. No need to remove it.



4.4 Attach the controller box to the bracket, then mount it to the Jeep. **ONLY** tighten the bolt circle in Green and tighten the bolt in Red after sliding the manual unlock switch over it.

## Step 5 :

### Attach The Mechanical Switch Handle And Install The Manual Unlock Switch.



5.1 Grab the button and slide the manual release cable into its housing like shown.



5.2 Slide the manual unlock switch over the bolt with the button facing down.



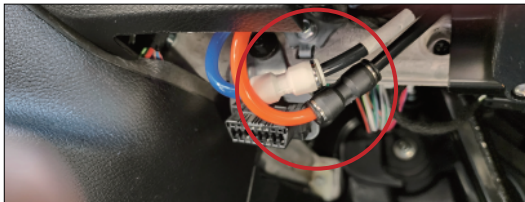
5.3 Tighten the switch with the 8mm wrench.



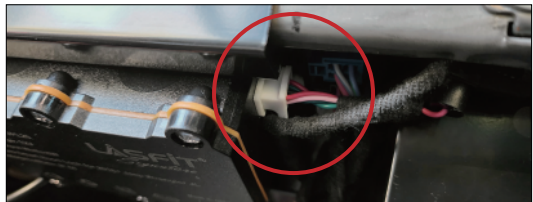
5.4 The switch should look like this after install.

## Step 6 :

### Connect The Air Tubes And OBD Power Harness To The Controller Box.



6.1 Connect the air lines you routed from the engine bay and press fit them into the connectors as picture shown.



6.2 Connect the OBD power harness to the controller box.



6.3 Plug the OBD II passthrough cable into the Jeep's OBD II port.



6.4 Connect the manual switch unlock wires to the OBD power harness.

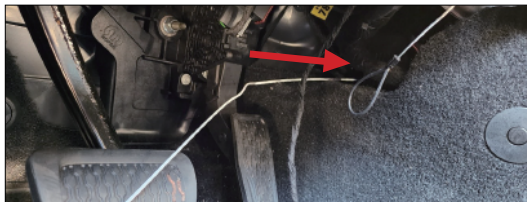
#### NOTE:

The line with the white strip will go to the white connector/blue air line; the solid black air line will go to the solid black connector/red air line.



**Step 7 :**

**Route The CANBUS Harness To The Passenger Side And Connect It To The CANBUS Terminal.**



7.1 Use a stick as a guide to push the harness to the Passenger side.



7.2 Remove the glove compartment to expose sockets to connect to the CAN-BUS.



7.3 Plug the CAN-BUS harness onto any available slot on the green terminal.



7.4 Align the three tabs and reattach the glove box in reverse steps.

## Step 8 :

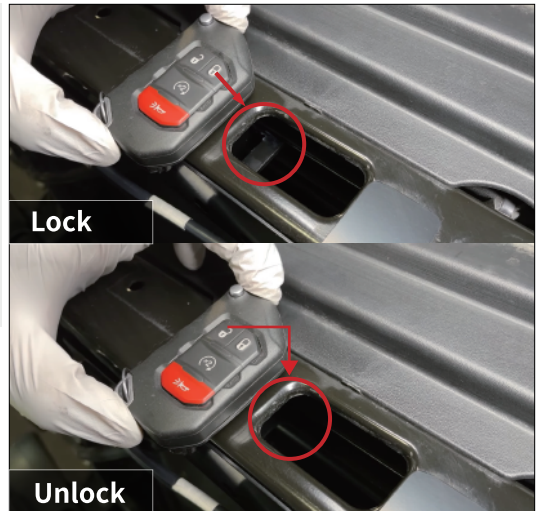
**Make Sure The System Is Properly Communicating With The Vehicle.  
In order to do that follow the below steps:**

1. Start vehicle with engine running
2. Wait 60 seconds
3. Turn vehicle off
4. Place the vehicle in the run position (without starting engine)
5. Turn vehicle back on.

Press the key FOB to unlock the lock, and then close the lock, so as to ensure the normal use of the telescopic operation mechanism of the lock.

### **NOTE:**

If you press the lock or unlock buttons more than three times after the ignition is off. The hood lock will enter protection mode to prevent damage to the controller box, and the lock will NOT respond to the lock and unlock commands from the key FOB. To reset it, you will need to turn on the ignition and then turn it off.



## Step 9 :

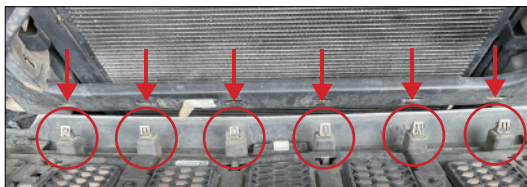
Reinstall The Panel And Grille Back To The Jeep In The Same Way.



9.1 Reinstall the panel under the steering wheel.



9.2 Use zip ties to secure all the wiring and ensure nothing interferes with the gas and brake pedals.



9.3 Make sure to align the metal clips with the holes before reattaching the grille to the Jeep.



9.4 Installation is now complete!

## FAQ

### **Q1: Would the hood lock work with a Tazer Programmer installed on my vehicle?**

**A:** You will need to unplug the Tazer during the installation of the hood lock. After plugin the pass-through from the hood lock, you can plug the tazer back into the OBD port. Our hood lock doesn't send or receive commands through the OBD port, therefore it won't affect the functions of the Tazer.

### **Q2: Would the Jeep front camera work normally after installing our hood latches?**

**A:** Our hood latches can be installed on Jeep with the front camera. Allowing the front camera to function normally after the installation of the lock is one of the most important features of our hood lock. Therefore, it won't affect the overall look and functions of your front camera after installation. Besides, you can make any build on the front grille as well.

**Q3: I'd like the added security without having to carry extra keys, but I'm worried about how to unlock the hood if the FOB key remote fails?**

**A:** We have offered an emergency Manual Unlock Switch for you to open the hood in case of the FOB key remote fails. Press the manual unlock button to release air from the lock module. Wait about 5 seconds, then press the button again to turn off manual mode.

**Note:** The emergency switch must be turned off after the manually unlocked to prevent the start battery from depleting. A warning tone will sound to remind you to turn it off.

**Q4: Even though I love high-tech stuff but if there's really no emergency opening option it's a huge design flaw and risk to me, for example, what if the Jeep's start battery dies?**

**A:** In the case the battery dies, you can directly use our manual release option to gently pull the handle to unlock the hood. (No power is required)

**Q5: Can I unlock the hood with the emergency manual switch by connecting a jump starter to the cigarette lighter in the case of a dead battery?**

**A:** Of course, although we no longer provide a 12V emergency power cable, if you have such a power cable yourself, you can also use it to connect a jump starter to the cigarette lighter to unlock the hood with our manual switch if the battery dies.

But we'd recommend a quicker and easier way to unlock it by gently pulling our manual switch handle without the power required.

**Q6: Will it interfere with the Ravelco system after installing the Lasfit hood lock?**

**A:** No, it won't.

**Q7: Will this hood lock work with the wrangler 392?**

**A:** Yes, it fits in the 392. The hood lock should work on all 2018+Wrangler JL, JLU, and 2019+Gladiator JT regardless of trim levels or engine types as long as it is equipped with the power door lock and key fobs.

**Q8: Is the Lasfit hood lock system compatible with manual transmission vehicles?**

**A:** Our system is NOT compatible with manual transmission. But if you have some methods to safely pass wires through the firewall to your Jeep, then it may work. However, we do not recommend applying our system to manual transmissions in case of any potential risks caused by improper operation.

**Q9: Does the pump make noise inside the cab when locking/unlocking the vehicle?**

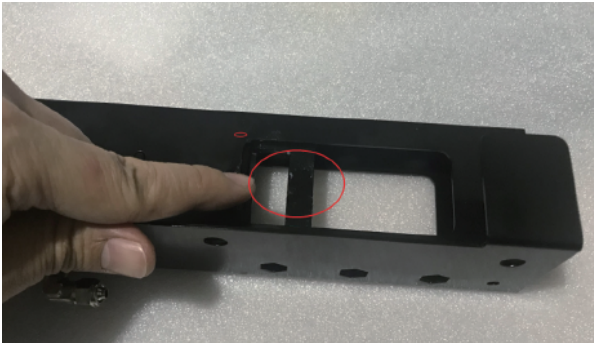
**A:** It does... it's fairly quiet and short.

**Q10: What should I do if I press the lock or unlock button more than 3 times after turning off the engine, and the lock module does not respond when I press it again?**

**A:** If you press the lock or unlock buttons more than three times after the ignition is off. The hood lock will enter protection mode to prevent damage to the controller box, and the lock will NOT respond to the lock and unlock commands from the key FOB. To reset it, you will need to turn on the ignition and then turn it off.

**Q11: What if the locked module does not respond when I press the FOB key to lock/unlock?**

**A:** Not press the unlock/lock buttons too quickly if it doesn't appear to be working properly. Basically, giving it the 1 second or so (the time it takes for the pump to shut off) when cycling between unlock/lock rapidly. If there is still no response, please stretch the part of the picture by hand and try again to ensure normal operation.





# OUR GUARANTEES



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