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Wrangler JK (Model years 2007–2018) > **JK How To Threads and Videos** >

## JScan ABS bleeding procedure

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**brandofamily** ✓ Discussion starter

4,407 posts · Joined 2015



#1 · Jul 29, 2022 (Edited)

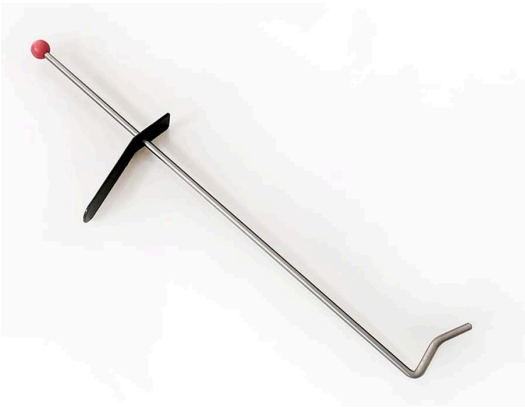
Found this procedure on another site while searching after I found Jscan will allow this procedure to be completed.

### Perform ABS Brake Bleed Procedure

So now we're ready to perform the ABS Brake Module Bleed using OBD Jscan app.

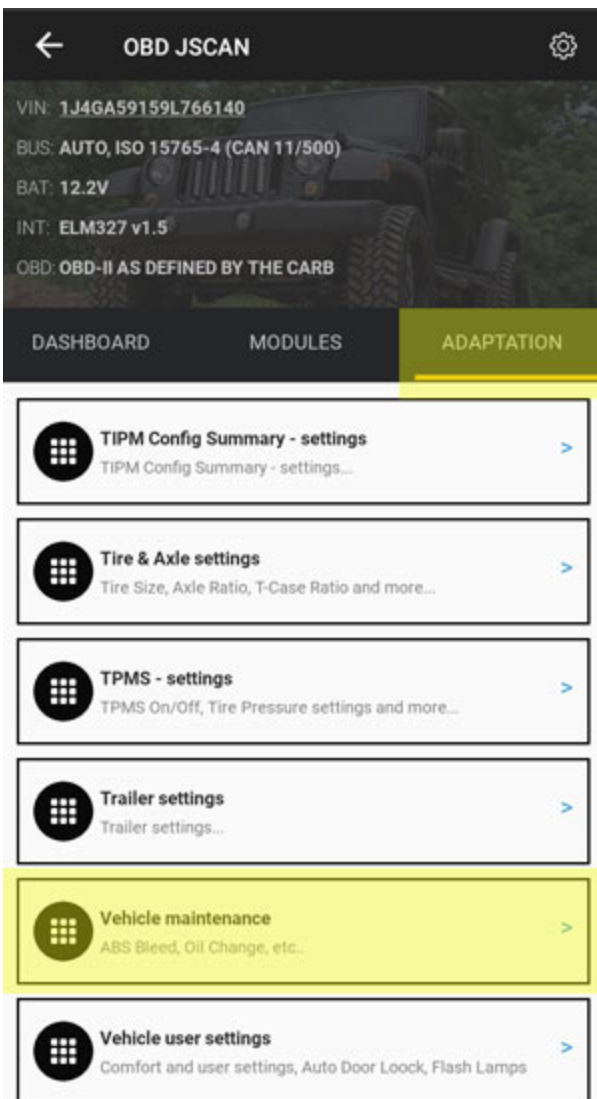
**Note from original poster:** This is a 2 person job, where one person will need to hold the Brake pedal while the other opens the bleeder valves. It is likely not a good idea to attempt to wedge something in your JK to hold the brake pedal down for you. During this procedure, the ABS module will pump the brakes and when it does so, it will push the brake pedal upwards. The less air which is in the system, the harder that push force upwards will become where there may be a risk of damage to your interior if you tried to wedge something in there to hold the pedal down for you.

**Note from brandofamily:** I used a [Brake Pedal Depressor Tool](#) to hold the pedal and it worked fine.



Perform ABS Brake Bleed:

1. In Jscan, select the "Adaptation" tab
2. Then select "Vehicle Maintenance" (You may have to scroll down to find it)



4. Warning Message, follow instructions and Press "Go"

5. Warning Message Press "Go" (completed in Pre Setup)

## 6. Warning Message Press "Go" (Completed in Pre Setup)

\*Tip: If you see a communications error message after pressing "Go", then follow steps below in Communications Error section to fix.

## 7. Have your assistant press and hold down the Brake Pedal

\*Tip: If your brake pedal is soft, it is best to have them quickly pump the brake pedal 3-5 times to build up some pressure in the brake lines so the pedal becomes firm and then hold the Brake pedal down

8. The ABS Brake Bleed Procedure will now start!

Tip1: The First part of the procedure Jscan will activate your ABS Module. Your assistant will feel your brake pedal pushing upwards against their foot, it will do this ABS Module pumping about 4 times about 1.5 seconds apart during each pump. Just have them continue to hold their foot firmly against the pedal during this pumping action.

Tip2: If you were concerned that your ABS module needed to be replaced, this is a great test sanity check. The ABS module is made up of 2 sections. One of the sections is the electronic control section(the black half) which operates 12 electrically operated piston switches inside of it. The second half is the mechanical half which has the DC motor pump and where the Pistons switches open/close into. If your assistant is feeling the pumping action against their foot, then this means the module is being electronically activated, and creating the pumping action(ie both sections are functioning). What we likely don't know at this point, is if all 12 of the pistons are moving as they should? However, if you are not feeling any pumping during this stage then this likely means you may need to replace your ABS module but lets continue with the bleed procedure to find out more.

9. Make your way over to the Driver side Front brake with your 11mm wrench and get prepared to open the bleeder valve to let air out of the system.

When JScan finishes the operation in step #8 above, the following screen will be displayed.

Tip: DO NOT OPEN THE BLEEDER VALVE AS THE INSTRUCTIONS STATE AT THIS POINT! This is very important, I learned from experience. You will get very little air out of the system following these instructions exactly.

10. Press the "Go" button above and then Jscan will display the following Screen  
Tip: There isn't any test in progress when this screen is displayed. However it is time to get your 11mm wrench on that bleeder valve and get prepared to crack it open. When you press the "Go" button, JScan will immediately kick off the ABS pump to start pumping air out of the module.

11. With your 11mm wrench on the bleeder valve press the "Go" button above.
12. JScan will now activate the ABS module, followed by 4 consecutive ABS pumps which are 1.6 seconds apart.
13. Let Jscan perform the 1st pump with the bleeder valve closed.  
Tip: With the bleeder valve closed during the 1st pump, this will pressurize the brake system and push any air in the system closer to the caliper bleeder valve. After the 1st pump, Jscan will display the following screen which is a countdown before it moves onto the 2nd ABS pump action.

14. With your 11mm wrench on the bleeder valve, wait for Jscan to start the 2nd cycle ABS module pump action.  
Once the 2nd pump begins, then crack the bleeder valve open 1/2 of a turn, to let the air combined with brake fluid out of the system.
15. Leave the bleeder valve open as Jscan continues with the consecutive pump actions, observing through the clear tube of your Brake Bleeder tool if air bubbles are exiting mixed with brake fluid.

bleeder valve when the screen below appears.

Tip: As described previously the ABS module has 12 piston switches. There are 3 piston switches for each wheel. If you observed fluid being pushed out during steps 14&15, then congratulations! You just confirmed those 3 piston valves are functioning properly in your ABS module!

If you didn't observe fluid being pushed out then sorry, you may have just confirmed your ABS module needs to be replaced

17. Press the "Go" button above. Grab your Brake Bleeder tool , along with your 10mm Wrench and move to the Driver side REAR wheel. Also instruct your assistance to continue holding down the brake pedal.

18. Connect your Brake Bleeder tool to the Driver Side Rear bleeder valve

19. At this point Jscan will be displaying the following screen.

Tip: Again VERY IMPORTANT! Do NOT open the bleeder valve at this step.

20. Press the "Go" button above and then Jscan will display the following Screen  
Tip: There isn't any test in progress when this screen is displayed. However it is time to get your 10mm wrench on that rear bleeder valve and get prepared to crack it open. When you press the "Go" button, JScan will immediately kick off the ABS pump to start pumping air out of the module.

21. With your 10mm wrench on the bleeder valve press the "Go" button above.  
22. JScan will now activate the ABS module, followed by 4 consecutive ABS pumps which are 1.6 seconds apart.  
23. Let Jscan perform "2" consecutive pumps with the bleeder valve closed.  
Tip: With the bleeder valve closed during the 2 consecutive pumps, this will pressurize the brake system and push any air in the system closer to the rear caliper bleeder valve.

before it moves onto the 3rd rear ABS pump action.

24. With your 10mm wrench on the bleeder valve, wait for Jscan to start the 3rd cycle ABS module pump action.

Once the 3rd pump begins, then crack the bleeder valve open 1/2 of a turn, to let the air combined with brake fluid out of the system.

25. Leave the bleeder valve open as Jscan continues with the consecutive pump actions, observing through the clear tube of your Brake Bleeder tool if air bubbles are exiting mixed with brake fluid.


26. Once Jscan completes the ABS pumping action, immediately close the bleeder valve when the screen below appears.

Tip: As described previously the ABS module has 12 piston switches. There are 3 piston switches for each wheel. If you observed fluid being pushed out rear bleeder during steps 24&25, then congratulations! You just confirmed those 3 piston valves are functioning properly in your ABS module!

If you didn't observe fluid being pushed out then sorry, you may have just confirmed your ABS module needs to be replaced

27. Press GO button above and you will see the following  
Jeep Wrangler Forum provides answers from our community and over 22 other

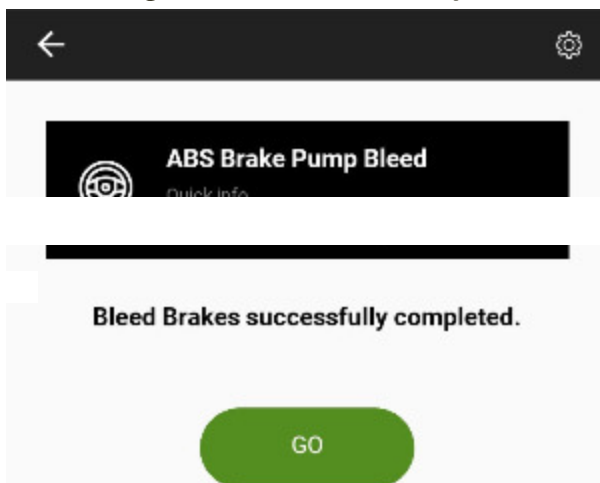
Oldest first ▼

 **brandofamily** ✓ Discussion starter  
4,407 posts · Joined 2015

#2 · Aug 3, 2022 (Edited)

### (Continued)

30. Goto Step #3 and perform the exact same steps on the Passenger's side.
31. Continue to perform the ABS Module Bleed procedure starting on the driver's side and ALWAYS finishing on the passenger's side until you observe absolutely no air bubbles coming through your bleeder tool's clear tubing.
32. Once you reached the point of observing no air and only fluid coming out during the bleeding procedure from ALL calipers, take your JK for a drive.
33. I would recommend to do the ABS bleed procedure on both sides one more time following your drive.
34. After all this, hopefully you're now enjoying a solid brake pedal and learned you didn't have to replace your ABS brake module.
35. Congratulations! Now you are done!

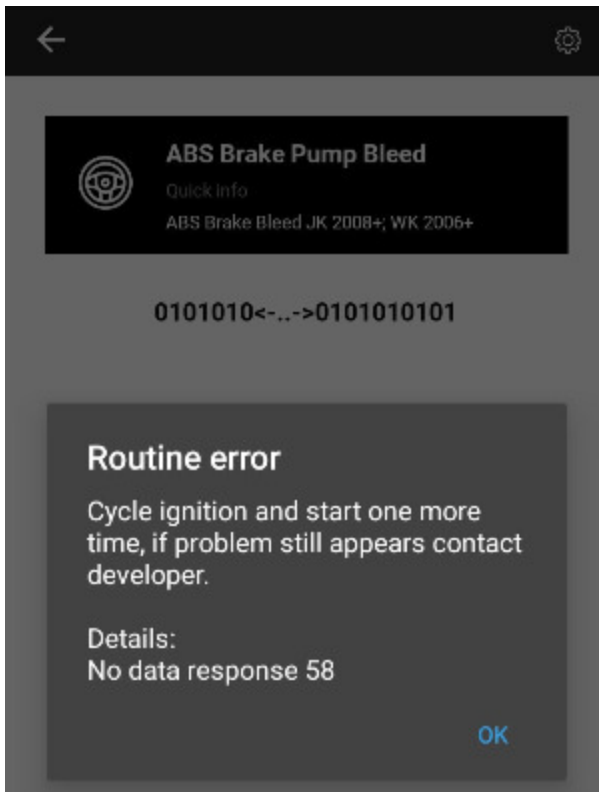


### Communications ERROR FIX

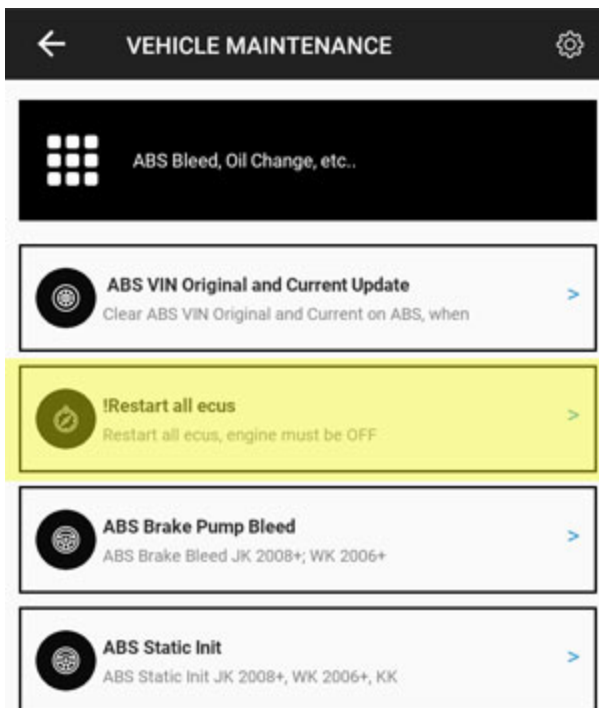
If you receive a communications or other error during the ABS Module bleed

Module is currently in a non communications state and needs to be rebooted.

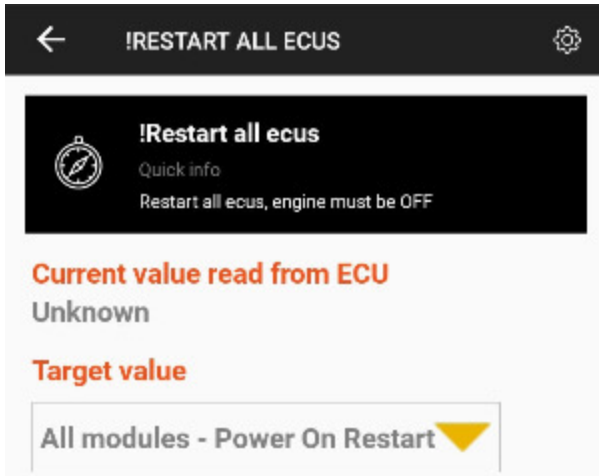
## Example communications Error Message



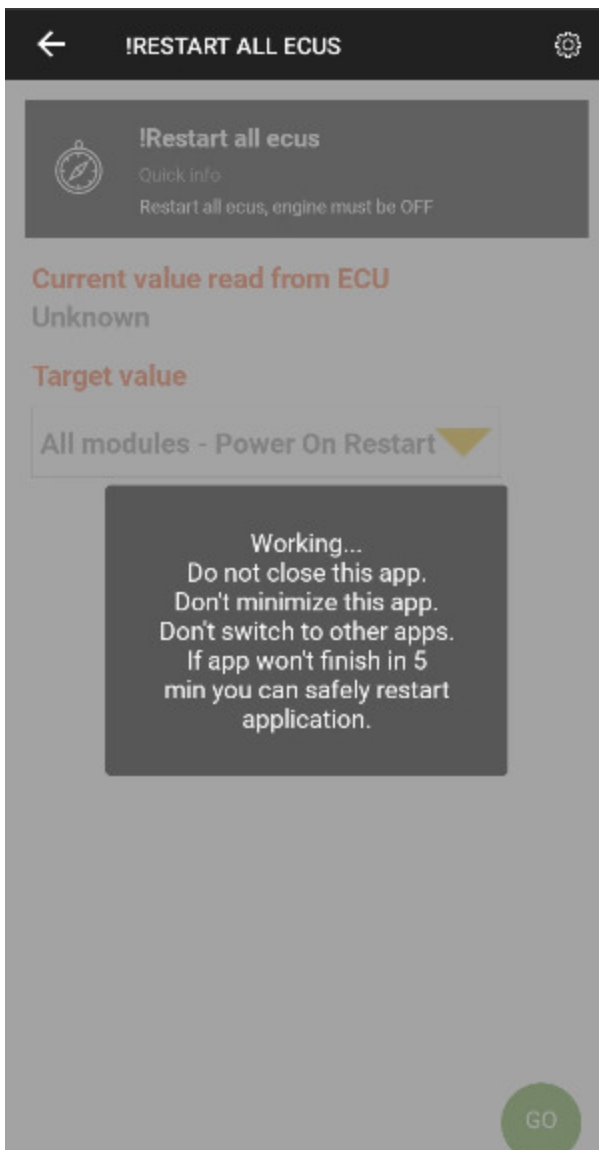
1. Press the ok button, then select the Restart all ECUs in the Jscan app



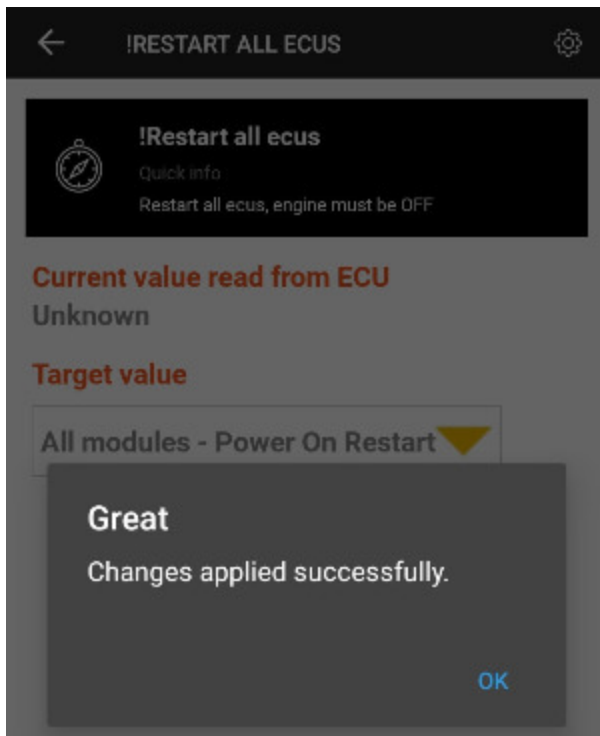
press the "Go" button



3. This procedure will take 2-3 minutes, you will see various lights on your dash turn on and off as each module is restarted. Do not interrupt this process!




4. Once all ECUs have been restarted, you will see the follow message. Press "ok"



5. Once complete, go back to Step #2 in **Perform ABS Brake Bleed Procedure** write-up section and continue.

2015 Wrangler Unlimited (Tank) ▼

Rubber Ducky and vjsimone

 **travis\_3459**  
11 posts · Joined 2024

#14 · Dec 27, 2024


[@brandofamily](#) very helpful instructions. I went through the full procedure multiple times as you outlined.

Still a squishy pedal. What am I missing?

 Reply  Like



Show more replies ▼

 **dvitous**  
534 posts · Joined 2010



Nice write up. Unless you're in the UK, Right-front and Right-rear is typically passenger side? So not getting the screen shots as it relates to driver/passenger.

Also - the bleed function, you specify by side? All 4 aren't part of the entire process? Since it calls out RF/RR, do we select what side we're doing?

Thx!

---

Dan

 Reply  Like



**brandofamily**  Discussion starter

4,407 posts · Joined 2015

#4 · Oct 5, 2022

I assume so. I've also used a regular scan tool to do it and it works the same way basically.

---

2015 Wrangler Unlimited (Tank)

 Reply  Like



**redwolf4k**

215 posts · Joined 2020

#5 · Nov 11, 2022

I just used this procedure, and it worked well. I can confirm: I started on the drivers (left) side. I did left side front, rear, then moved to passenger (right) side and did front and rear. It worked well.

I do regular brake pump bleeds in the opposite order... but the ABS bleed worked!

vanhalo

 Reply  Like



13 posts · Joined 2016

#6 · Jul 12, 2024

well, tried to do this and there was a communication error when I went to the rear passenger after having done the two front wheels, following the app instructions. Happened twice. Did the ECU reset both times. Any help here would be appreciated.

 Reply  Like



**brandofamily**  Discussion starter

4,407 posts · Joined 2015

#7 · Jul 12, 2024 (Edited)

The instructions do not tell you to do both fronts in the same sequence. Only front driver side then rear driver side.

Then you can repeat the process on the passenger side.

However after some research I did find it is not necessary to do both sides; only the passenger side.

---

2015 Wrangler Unlimited (Tank)

 Reply  Like



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**BlueBabySound**

24,726 posts · Joined 2014

#11 · Jul 22, 2024

Thanks [@brandofamily](#) !

Changing fluid this week on our '14 and thought if would be a good time to bleed the ABS.

---

**Owns** 2014 Jeep Wrangler Rubicon



2014 JKUR- [BRUTUS](#)



Retired: 2018 JK (Wookiee)

Reply Like



**T** travis\_3459

11 posts · Joined 2024



#12 · Dec 27, 2024

@brandofamily very helpful instructions. I went through the full procedure multiple times as you outlined. Still a squishy pedal. What am I missing?

Reply Like



**T** travis\_3459

11 posts · Joined 2024



#13 · Dec 27, 2024

@brandofamily very helpful instructions. I went through the full procedure multiple times as you outlined.

Still a squishy pedal. What am I missing?

Reply Like



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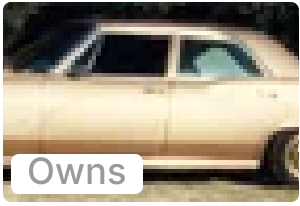


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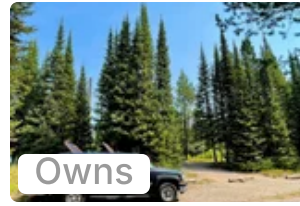
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
Owns


 BlueBabySound

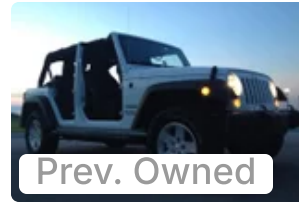
 Comment




Owns


 BlueBabySound

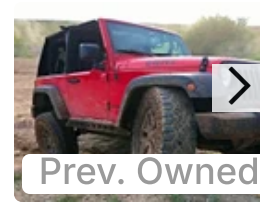
 Comment




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## Related Threads


 JK Technical Discussion  
brandofamily · Jul 28, 2022

### JScan ABS bleeding procedure

I've looked into using Jscan to bleed my ABS system after caliper replacement. I am having soft pedal issues and figure why not bleed the ABS to try and solve th...

 10  5.2K

brandofamily replied Dec 27, 2024

 JK Technical Discussion  
dchang0 · Aug 20, 2020


### JScan can't read my JK's ABS fault codes--what is broken?

Hi, everyone-- My JK threw yet another ABS warning light and did



 46  16K

Old\_XJ replied Jul 13, 2023

 Communications and Electronics  
KJabs · Apr 11, 2022

### JSCAN vs OBDWiz vs AppCar vs ???

Jscan is well liked here, and that's great, I'm probably going to get it. Before I do, I'm curious about the other options out there, and people's experiences with the...

 23  10K

limaynard replied Apr 12, 2022

 JK Technical Discussion

## Jscan question on 2017 JKU TPMS sensors

Finally got my Jscan installed and have a question regarding the TPMS settings. I want to turn off the TPMS system for now. The take-off wheels and tires do not...

4 2.1K

Renegade4006 replied Aug 9, 2022



JK Technical Discussion

brandofamily · Jul 30, 2022

## Bleeding a Master Cylinder

After installing the JL HD Brake Kit and performing every kind of bleed you can think of, including bleeding the ABS, I have decided I am not going to get a pedal...

0 1K

brandofamily replied Jul 30, 2022



JK Technical Discussion

RMcDonald7 · Jun 3, 2022

## JSCAN Features

Just got my Jscan in the mail last night and registered. Ran the quick scan- all is good. Looked around the app for a bit and don't understand most of it. Has anyone...

39 11K

DiamondMox replied Jun 7, 2022



JL Technical Discussion

AirForceAngler · Jun 3, 2022

## JScan Question for adding Aux Switches

Does JScan allow you to activate the Aux Switches once installed? Planning on adding these to my 2018 Rubicon.

0 1.4K

AirForceAngler replied Jun 3, 2022



JK Technical Discussion

brandofamily · Mar 27, 2022

## JScan questions

1. OBD JScan is the correct app right? 2. Can I load the app on more than one device and access vehicle from each of those devices? 3. I assume this app is we...



JK Technical Discussion

TBJeepin · Jun 5, 2022

## JSCAN WCM On/Off Function

Anybody tried the WCM On/Off feature in JSCAN? I'm troubleshooting a potential WCM issue but I'm afraid to use it. It seems like if the WCM is disabled then it...

4 4.7K

Digger84 replied Jun 5, 2022



JK Technical Discussion

Renegade4006 · Jul 22, 2022

## Jscan tool/app questions for 2017 JKU

Am changing the tire size on my 2017 JKU and will be needing to recalibrate the speedometer. Looking at the Jscan tool/app. In what I am looking at on their...

15 4.8K

rgreen65 replied Jul 31, 2022



JK Technical Discussion

Drewdude · Jul 23, 2022

## JScan not recognizing Powertrain Control Module

Had an engine stumble with corresponding check engine light so hooked up my Vgate iCar Pro OBD adapter and ran a quick diagnostic using JScan. Got no code...

3 3.1K

Digger84 replied Jul 23, 2022



JK Technical Discussion

wes Townzen · Mar 1, 2020

## Jscan

Jscan price has went up, \$22.99 or \$22.95 can't remember which one . But it has gone up. Wes

53 18K

MrChips replied Nov 12, 2022



JK Technical Discussion

Swiftfoot02 · Jan 16, 2020

I have ABS/Traction control lights on my 2016 willys. I have seen a lot about wheel speed sensors causing this. I have already replaced the front sensors and cleane...

4 3.9K

Artisanau replied Nov 2, 2024



General Jeep Discussion

NC Lee · Aug 31, 2022

### Jscan - Turning off alarm when door is opened by key

2010 JK - Forgive me if the answer is on here somewhere, but I couldn't find it. I have had good results with the Jscan tool. TPMS and tire height have been...

0 1.2K

NC Lee replied Aug 31, 2022



JK General Discussion

MrChips · Dec 2, 2022

### JScan question: accessing license through multiple devices

Please forgive the noob question but I am new to using JScan and can't seem to figure this out. I have multiple Jeeps and bought a license multi pack on my iphon...

4 4.1K

MrChips replied Dec 4, 2022

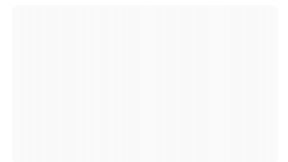


JK General Discussion

dmulk · May 26, 2022

### JScan can't reset a permanent code?

I guess this makes sense...just curious how a permanent code works on our JKs. I forgot to connect the air temp sensor and...



2 9.1K

dmulk replied May 26, 2022



JK Technical Discussion

bimmer16 · Nov 4, 2022

### JScan and LED bulb replacement

Hello fellow Jeepers, I've been researching the forum and the internet on how to fix my issue with my 2017 JKUR dash error codes since I replaced my stock tail light...

18 5.8K

Matty B replied Nov 7, 2022



## JK Technical Discussion

NC Lee · Apr 8, 2022

### Jscan capabilities / 2010 JK

Sorry if I missed the answer but I did search and read, read, read. Jscan's website shows TPMS functions are not available for my 2010 JK. My Jeep does not have...

10 replies 1.5K views

nvkid replied Apr 10, 2022



## JK Technical Discussion

alujeep · Apr 25, 2022

### ABS Control Module

Hi - been having some issues with my ABS feeling like it kicks in for a second then stops. Sometimes I get an ABS/Traction light come on then off, sometimes I don't...

10 replies 6.8K views

robey replied Oct 21, 2022



## JL Technical Discussion

roaniecowponv · Jan 12, 2023

### JSCAN Corrections for TPMS, Speedo, Foglights on w/Highbeams

Home > Forums > Model Specific Jeep Discussions > Wrangler JK (Model years 2007-2018) > JK How To Threads and Videos > I recently installed 37s and 4.88s. So my speedometer was off by about 7 mph at 70 mph (per Google Maps/Phone GPS). I asked around and JSCAN seemed to ha...

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