

97700 BANKS RAM-AIR INTAKE SYSTEM FOR 2018-2025 JEEP WRANGLER 2.0L

D & 41866, 41866-D

Banks Ram-Air® Intake
System

2018-2023 Jeep JL

Wrangler 2.0L

2024+ Jeep JL Wrangler 4xe

Hybrid

Manual expanded to
cover 2024+ models
with new turbo inlet and
intake tube design



Tools required:

8mm or 5/16" nut driver or flat end screwdriver

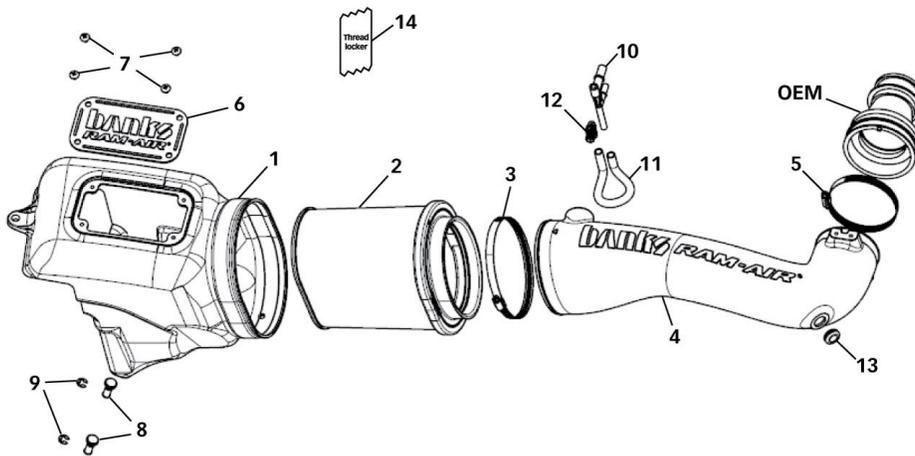
Phillips screwdriver

10mm socket and ratchet or wrench

Clip pry/remove tool

Longnose pliers

General Assembly



Item	Description	Part #	Qty.
1	Filter Housing	41845	1
2	Filter	41848	1
3	Hose Clamp #104	92904	1
4	Intake Tube	41847 (2018-2023) 41867 (2024+)	1
5	Hose Clamp #42 Hose Clamp #64	92890 (2018-2023) 92864 (2024+)	1
6	Window	41788	1
7	Machine Screw	91128	4
8	Mounting Peg	92153	2
9	E-Clip 3/8	91701	2
10	Vacuum Manifold	41847-05	1
11	Vacuum Tube	94137	1
12	Barbed Hose Elbow	92042	1
13	Sensor Grommet	93650	1
14	Threadlocker, Blue	90001	1
Not Pictured	For 2024+ Only Kit #41866		
(15)	Hose Loop	62086	1
(16)	Hose Loop Screw	91911	1
(17)	Turbo Inlet	94528	1
(18)	Hose Clamp #36	92837	1

Bill of Materials

Note: 2024+ Jeep 4xe kits use an updated intake tube, vacuum tube mounts, and turbo inlet. Install steps have been updated to reflect these minor changes.

Section 2: Removal of the factory intake system



1. Remove the IAT sensor. Pull the locking clip towards you and twist counter-clockwise about 45 degrees until it stops rotating.



Be sure to free the harness from the factory intake.

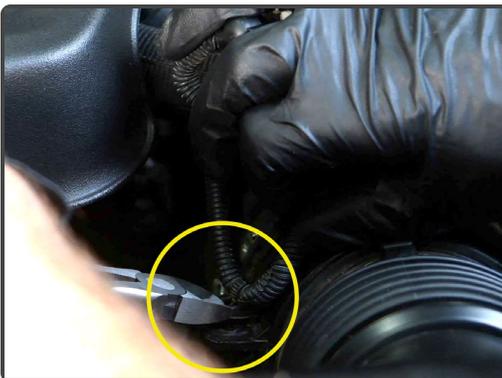


2. Unhook the two clips securing the IAT harness to the factory intake tube. Pull the sensor and harness out of the way. Wrap in a shop towel to avoid any damage to the sensor.



3. Remove the two bolts holding the vapor pressure sensor bracket, using a 10mm socket.

For 2024+ Jeep 4xe Skip this step as there is no sensor on the intake here.



4. Cut off the plastic tie that holds the wiring harness to the OEM intake tube.



5. Using a 10mm socket, remove the three bolts holding the OEM intake system.



6. Remove the two plastic lines from the air filter housing by pressing the grey tabs and pulling away from the housing.



On 2024+ Jeep 4xe, the lines are located on the intake tube.



7. Remove the clamp that retains the factory air intake tube to the turbo inlet duct.



On 2024+ Jeeps, remove the smaller clamp

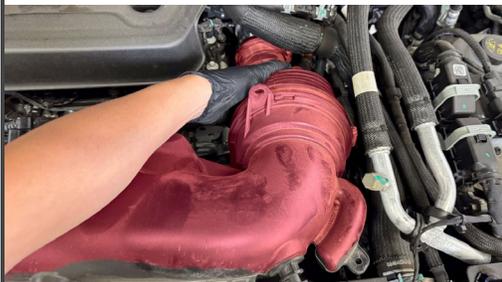


NOTE: Before removing the entire assembly, take note of the sensor connection highlighted in the photo.

IMPORTANT: Be careful not to break the clip that holds the connector in place.



8. Begin removing the assembly by sliding the tube out of the turbo inlet.



On 2024+ Jeep 4xe
You will remove the entire intake, including the stock turbo inlet.



9. Grab the airbox assembly with both hands and pull up until you feel a pop. Pull the assembly out of the engine bay.



10. Before installing your new Banks Ram-Air kit, remove the rubber grommets from the factory airbox and replace them into the engine bay.



NOTE: It's very important that you install the grommets into the engine bay and **NOT** onto the Banks airbox.

Section 3: Installing the Banks Ram-Air



11. Slide one aluminum peg through one hole and secure it with the retaining clip using needle nose pliers. Repeat for the other peg.



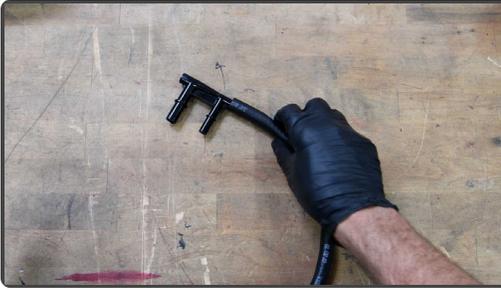
12. Install the Banks air filter into the Banks airbox and make sure the arrow on the filter is on top.



13. Install the Banks Ram-Air box into the engine bay by pressing down until it pops into the rubber grommets.



14. Secure the Banks Ram-Air box to the sidewall by using the factory bolt and a 10mm socket.



15. Slide the supplied hose onto the vacuum manifold.



16. Take the supplied plastic barbed hose elbow and thread it into the Banks intake tube. The barbed end should be at the 6 o'clock position.



2024+ Jeeps 4xe
The barb is installed near the turbo inlet, with the barbed end pointing towards the filter.



17. Once the fitting is installed, connect the open end of the hose to the fitting. Make sure you can make a loop with the hose, as shown.



2024+ Jeeps 4xe

Use the supplied hose loop & screw to mount the vacuum hose and manifold to the intake tube.



18. Install the rubber grommet for the IAT sensor onto the intake tube.



19. Place the larger supplied hose clamp onto the filter.



20. Place the smaller hose clamp over the factory turbo inlet duct.



2024+ Jeeps
You will put both the
#64 and #36 clamps
on the new Banks
Turbo Inlet.



Then slide the entire
turbo inlet and clamps
on. Be sure to line up
the alignment tab,
and tighten the
smaller #36 clamp.



21. Install the Banks
intake tube by first
inserting the large end
into the filter and then
the smaller end into
the OEM turbo inlet
duct. Align the duct to
the indent on the
tube. Align the arrows
on the tube and filter.
Tighten both clamps.



22. Reinstall the vapor pressure sensor bracket with the factory bolts using a 10mm socket.

2024+ Jeeps
Skip this step as there is no sensor bracket.



23. Insert the IAT sensor into the rubber grommet.



24. Reinstall the two plastic tubes into the vacuum manifold by pushing until you hear a click.

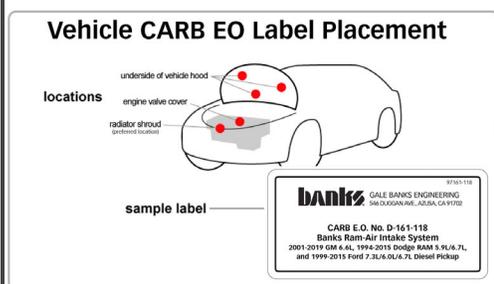


2024+ Jeeps
The vacuum tube connection looks like this.



25. Install the clear Banks Ram-Air window using the supplied screws and thread locker.

CARB EO Label Placement



CARB EO Label

For smog check purposes, affix the CARB E.O. Label on a visible location under the hood.



Label Placement

Banks recommends using the radiator shroud location.

Congratulations!

You have successfully installed your new Banks Ram-Air Intake. Please see air filter maintenance instructions below.

Section 4: Filter Maintenance