2021 2.7L Performance Pac

Installation Instructions P/N: 422235 (1521-PERFPK1IM)







2021 Bronco Air Induction Kit

Installation Instructions P/N: 422235 (1521-PERFPK1IM)



Application: 2021 Bronco 2.3/2.7L

Important Note:

Before installing your ROUSH Performance Product(s), read through the entire installation procedure and check to make sure all items are present. Contact ROUSH Customer Service at 1-800-59-ROUSH, weekdays from 9:00 AM to 5:00 PM EST, with any questions regarding it, missing parts or instructions that are unclear to you.

NOTE: Auto Start Stop Disabled. NOTE: Premium (91+) Fuel Required.

2021 2.7L Bronco Performance Pac



Contents

PACKING LIST FOR 2021 BRONCO PERFORMANCE PAC	4
EQUIPMENT AND SUPPLIES REQUIRED	4
LIMIT OF LIABILITY STATEMENT	5
SAFETY PRECAUTIONS	. 5
WORK SAFELY!	. 5
SECTION A - REMOVAL	6
SECTION B - INSTALLATION	7
SECTION C-PCM FLASHING	. 9
APPENDIX A: BRONCO 2 71 MODULE PROGRAMMING:	10



PACKING LIST FOR 2021 BRONCO PERFORMANCE PAC

Description	Part Number	Quantity
Air Induction Kit	422233 (1521-9600)	
Air Box Lid Assembly (Lid/Lens)	PT00041966	1
Foam Seal Lid to Air Box (71" Length Pre-Cut)	FS00057647	1
Air Filter – Red (Dry)	PT00041970	1
ROUSH Badge PT00041667 1	PT00041667	1
RDT Calibration Flash Voucher Card	P1521-PP	1

EQUIPMENT AND SUPPLIES REQUIRED

- Metric Socket Set (Deep and Shallow)
- Trim Removal Tool
- General Automotive Tools (Pliers, Needle Nose, etc.)

If you are missing any items, please call us toll free at 800-597-6274.

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. ROUSH Performance Products (RPP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.



SAFETY PRECAUTIONS



STOP

CAREFULLY READ THE IMPORTANT SAFETY PRECAUTIONS AND WARNINGS BEFORE PROCEEDING WITH THE INSTALLATION!

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the installation.

- · Always wear safety glasses for eye protection.
- Place ignition switch in the OFF position.
- Always apply the parking brake when working on a vehicle.
- Block the front and rear tire surface to prevent unexpected vehicle movement.
- If working with a lift, always consult vehicle manual for correct lifting specifications.
- Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
- Do not smoke or use flammable items near or around the fuel system.
- · Use chemicals and cleaners in well-ventilated areas.
- · Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or
- flammable substances to come near the battery.
- · Keeps hands and any other objects away from the radiator fan blades.
- · Keep yourself and your clothing away from moving parts when the engine is running.
- Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
- Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

WORK SAFELY!

Perform this installation on a good clean level surface for maximum safety and with the engine turned off.



SECTION A - REMOVAL

The following section will guide you through the disassembly of the stock components. Special care should be taken to label fasteners and parts that are taken off during this procedure since many will be reused.

- 1. Cover both fenders with fender covers to protect the vehicle finish.
- 2. Open the hood of the vehicle and locate factory air box on passenger side.
- 3. Remove the four (4) screws that hold on the air intake lid using an 8 mm socket.



 Remove the factory lid by using a small screwdriver or non-marring tool by inserting it here and twisting to release tension clips.



- 5. Remove the lid from the vehicle.
- 6. Remove the factory air filter by lifting up on the filter. There are no clamps to loosen.



SECTION B - INSTALLATION

1. Insert the new ROUSH high-capacity air filter(PT00041970) on the air tube and the factory lowerair box tray. Prior to installation, the prefilter can beapplied for extra dirt protection.

2. Install the cord seal (FS00057647) onto the air box lid by pressing into the retaining groove. Trimming with a razor blade is necessary to fit the inner



3. Wipe the lid with alcohol and install the ROUSH Badge (PT00041667) onto the air box lid by removing the backing tape and applying as shown.



4. Snap the new air box lid (PT00041966) onto the rubber snorkel inlet.



2021 2.7L Bronco Performance Pac



5. Install the lid onto the lower air box tray using the four (4) screws removed previously. Torque to 3Nm.

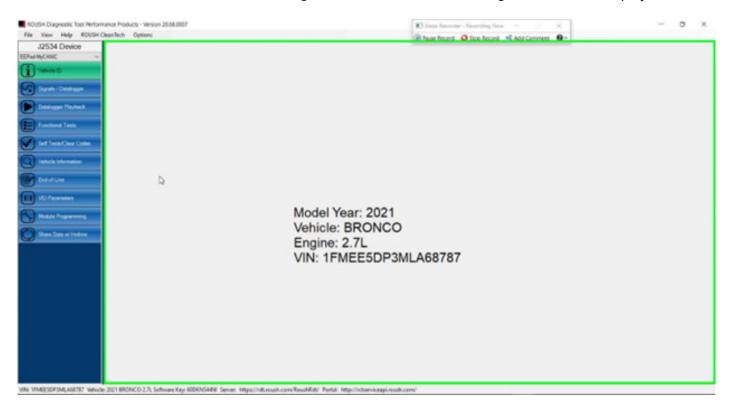


6. Start the vehicle and check for any leaks aroundair box lid. Make sure that the seal has not been distorted during installation.



SECTION C - PCM FLASHING

- 1. If equipped with a SAE J2534 pass through device, download RDT (ROUSH Diagnostic Tool, https://rdt.roush.com/RoushRDT/) to flash vehicle PCM with ROUSH calibration.
- 2. Launch RDT and connect to vehicle using a J2534 device. The following screen will be displayed.



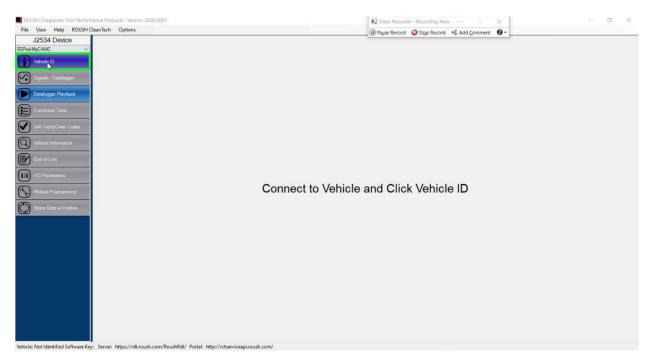
- 3. Locate voucher card (P1521-PP, found in 1521-PERFPK1). Enter Module Programming to install the ROUSH calibration for your Bronco. NOTE: See Appendix A for pictures that walk through the entire module programming process.
- 4. Once the PCM has been successfully re-calibrated, start the engine and check for unusual noises, dash service lights, and unusual operation. If problems are detected, immediately stop the engine or vehicle, diagnose, and repair the problem.

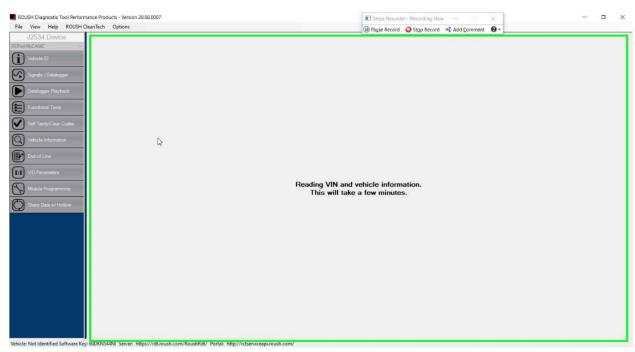
Congratulations, you can now go enjoy your new ROUSH Performance Pac Bronco!



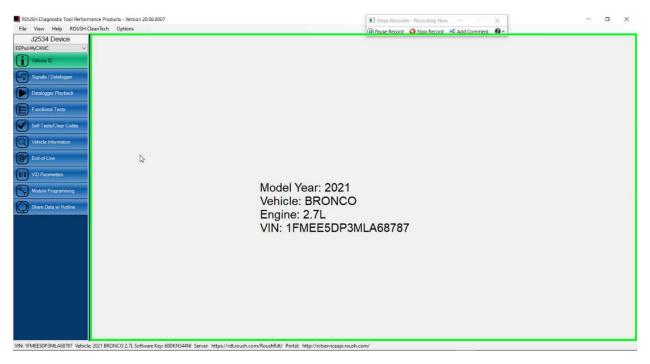
APPENDIX A: BRONCO 2.7L MODULE PROGRAMMING

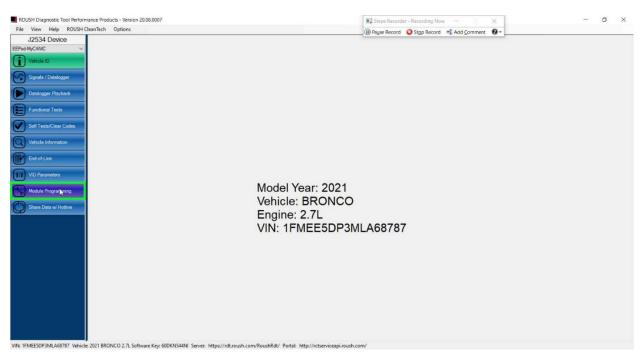
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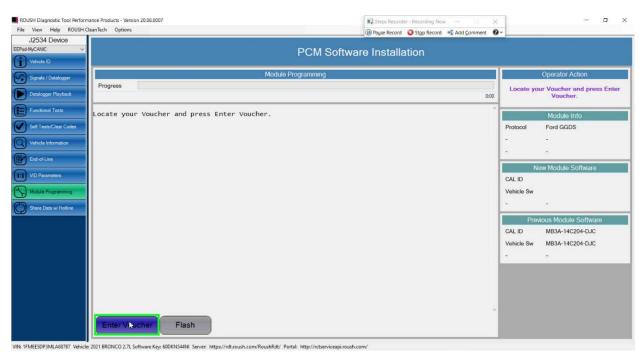




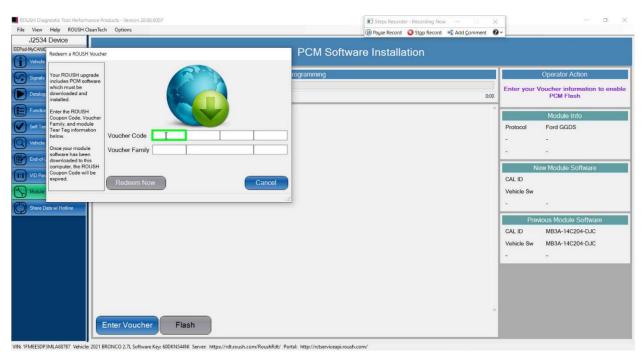


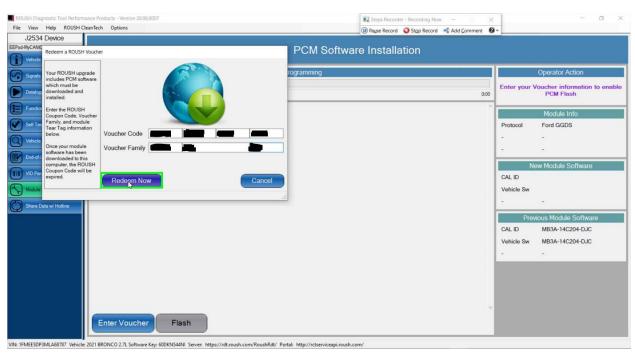




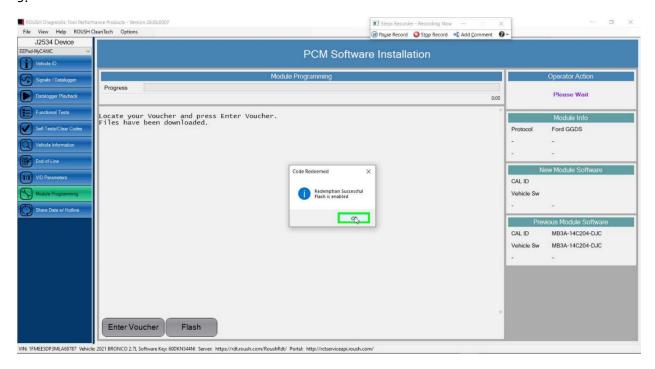


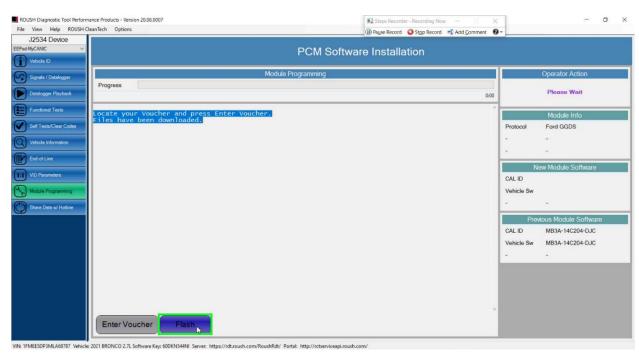




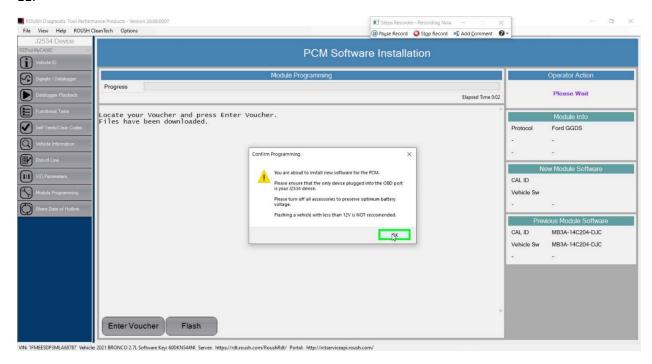


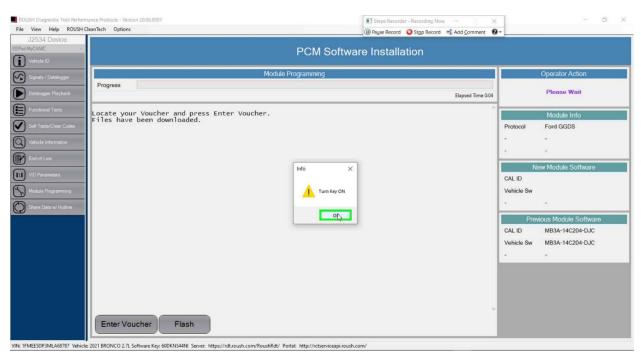




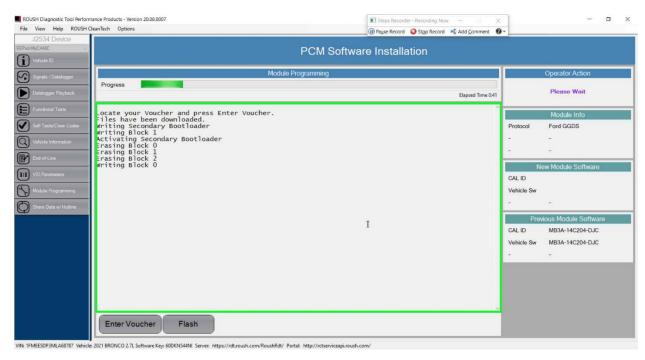


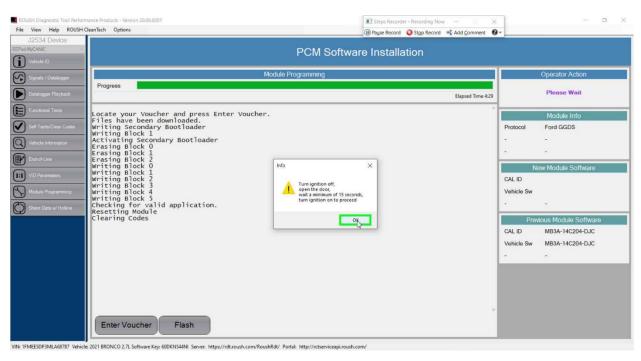














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