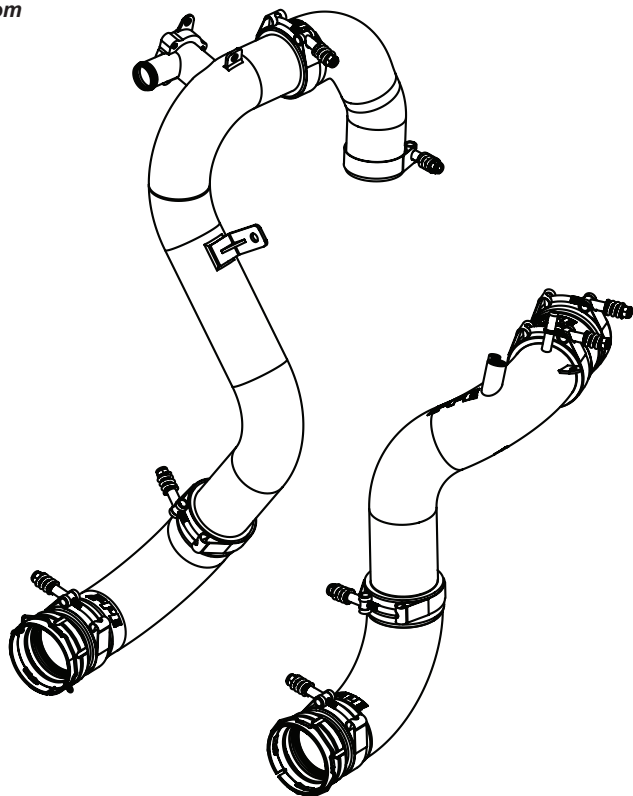


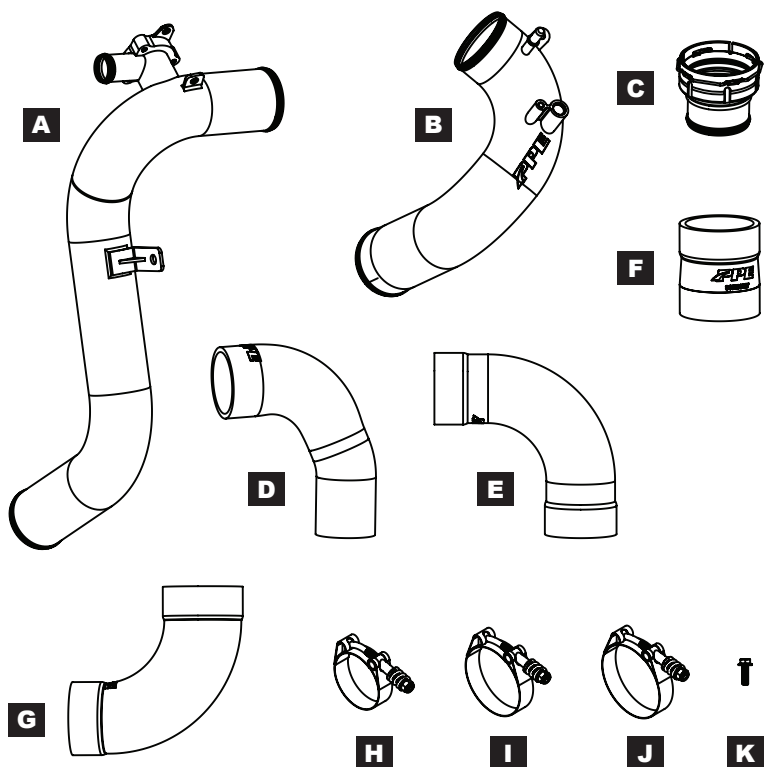


Hot and Cold Side Intercooler Charge Pipe Kit

2021-2024 Ford Bronco 2.3L

(3150300XX)

Installation Guide



CONTENTS

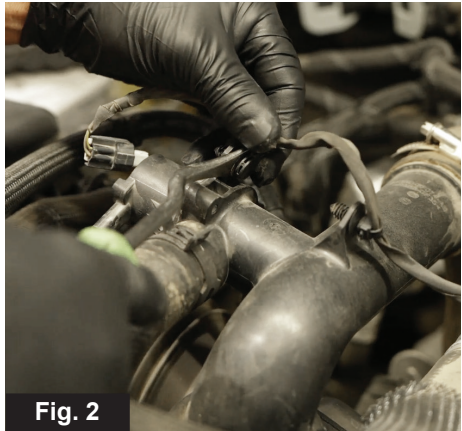
- A. (1) Hot Side Charge Pipe
- B. (1) Cold Side Charge Pipe
- C. (2) Quick-Connect Assembly
- D. (1) Hot Side Upper Coupler
- E. (1) Hot Side Lower Coupler
- F. (1) Cold Side Upper Coupler
- G. (1) Cold Side Lower Coupler
- H. (1) Constant Tension Clamp 54-62mm
- I. (4) Constant Tension Clamp 67-75mm
- J. (3) Constant Tension Clamp 73-81mm
- K. (4) M6 Bolts

DISASSEMBLY

1. Disconnect battery negative terminal. **(Fig. 1)**



2. Disconnect the surge valve connector on the hot side. Dismount both push mount clips securing the harness. **(Fig. 2)**



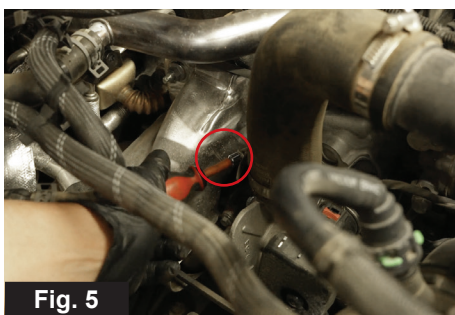
3. Remove the mounting bracket bolt securing the hot side tube. **(Fig. 3)**



4. Disengage the surge valve hose. **(Fig. 4)**



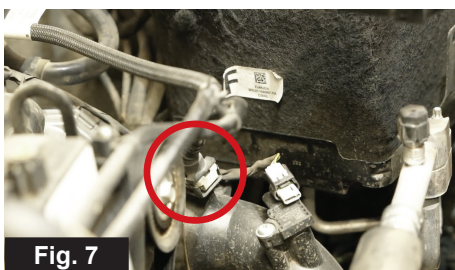
5. Loosen the turbo compressor outlet clamp and disengage the coupler. **(Fig. 5)**
6. Loosen the hot side tube lower clamp and remove the tube.



7. Disconnect the MAP sensor connector on the cold side. **(Fig. 6)**



8. Disconnect the vacuum line from the cold side tube. **(Fig. 7)**



9. Loosen the clamp and disengage the upper cold side coupler from the throttle plate housing. **(Fig. 8)**



10. Loosen the hot side tube lower clamp and remove the tube. **(Fig. 9)**



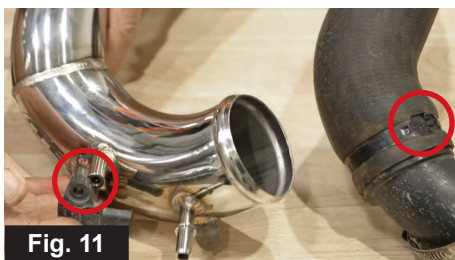
11. Remove the front skid plate.

12. Disengage both intercooler quick-connects and lower charge air hoses by prying the steel wire clip open and pulling the hose back. **(Fig. 10)**



INSTALLATION

1. Prepare the PPE charge air pipes by transferring the factory MAP sensor to the PPE cold pipe. Transfer the factory surge valve to the PPE hot pipe. Secure with three supplied bolts. **(Fig. 11)**



2. Slide the cold side upper coupler onto the cold pipe, and pre install two 73-81mm clamps to the coupler. **(Fig. 12)**
3. Apply some lubricant to the quick-connect O-rings



4. Install both quick-connects onto the intercooler. Attach the cold side lower elbow to the cold side quick-connect with the small end facing the intercooler. Pre install a 67-75mm clamp to the bottom and a 73-81mm clamp to the top. **(Fig. 13)**



5. Install the cold side pipe and upper coupler assembly onto the throttle plate housing and the cold side lower elbow. Tighten down all the cold side clamps. **(Fig. 14)**



6. Reconnect the MAP sensor harness and the vacuum line. **(Fig. 15)**



7. Install the hot side upper coupler to the compressor outlet. Secure lower connection using the 54-62mm clamp. Pre install a 67-75mm clamp to the top. **(Fig. 16)**



8. Install the PPE hot pipe onto the upper coupler. Secure the mounting bracket using the supplied bolt. **(Fig. 17)**



9. Pre install two 67-75mm clamps to the hot side lower elbow. Install the elbow to the hot pipe and the hot side quick-connect. Tighten all hot side clamps. **(Fig. 18)**



10. Reconnect the surge valve hose. Reattach the harness clips. **(Fig. 19)**
11. Reconnect battery negative terminal. Reinstall skid plate.



Installation Complete

DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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