

Hot and Cold Side Intercooler Charge Pipe Kit

2020 – 2025 GM 6.6L Duramax L5P
(115026100/115026110/115026120/115026130)

Installation Guide

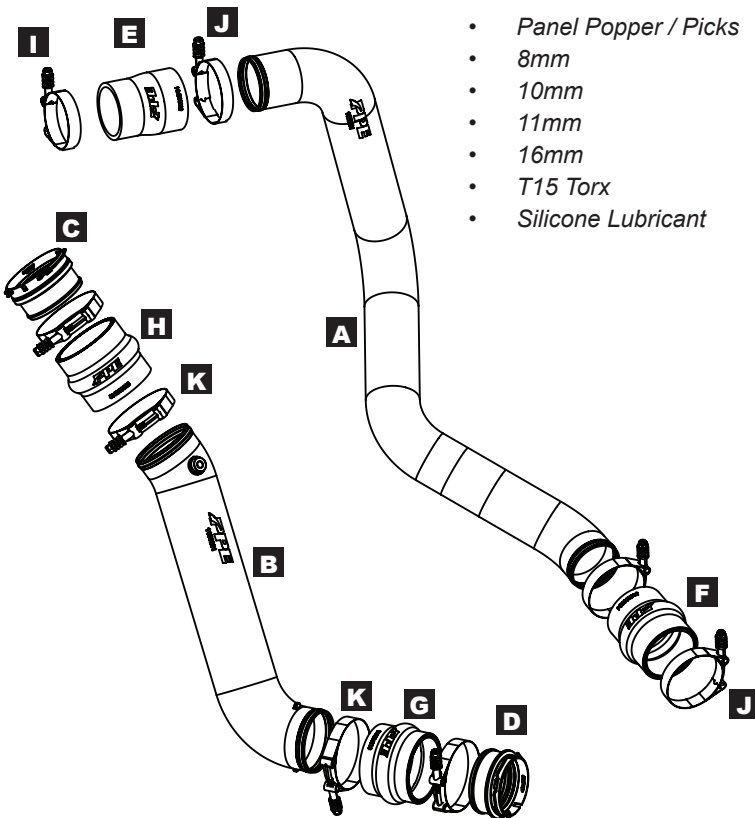


CONTENTS:

- A (1) Hot Side Charge Pipe – Driver Side
- B (1) Cold Side Charge Pipe – Passenger Side
- C (1) Aluminum Adapter, Throttle Body Side
- D (1) Aluminum Adapter, Intercooler Side
- E (1) Reducer Silicone Coupler, 2.75" X 3.0" X 4.0"L
- F (1) Hump Silicone Coupler, 3.0" X 4.0"L
- G (1) Hump Silicone Coupler, 3.5" X 3.0"L
- H (1) Hump Silicone Coupler, 3.5" X 3.5"L
- I (1) Constant Tension Clamp w/Spring, 73-81mm
- J (3) Constant Tension Clamp w/Spring, 81-89mm
- K (4) Constant Tension Clamp w/Spring, 92-100mm

TOOLS REQUIRED:

- Panel Popper / Picks
- 8mm
- 10mm
- 11mm
- 16mm
- T15 Torx
- Silicone Lubricant

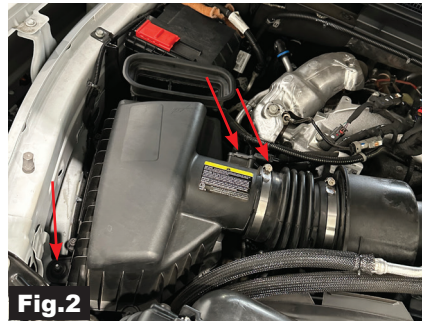


DISASSEMBLY:

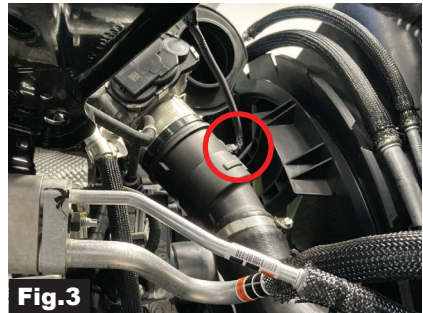
1. Turn the vehicle off and allow time to cool down before installing.
2. Disconnect the negative battery terminal from both batteries **(Fig. 1)**.



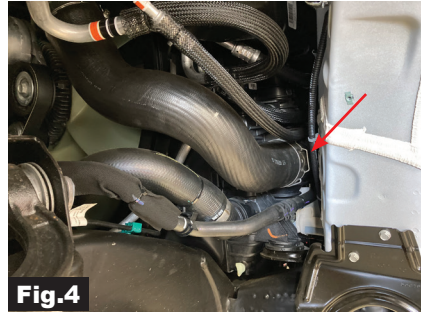
3. Remove the driver's & passenger's side front wheels and wheel liners.
4. Disconnect the MAF sensor harness, then remove the nut securing the factory air box. Loosen the hose clamp, and then lift the air box to unseat it from the grommets **(Fig. 2)**.



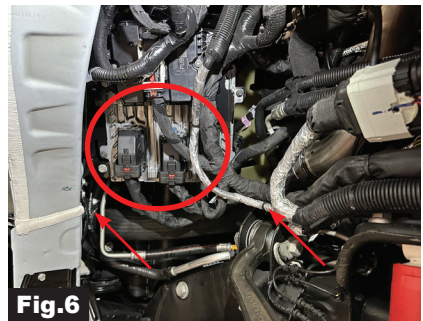
5. On the passenger side factory cold side charge pipe, disconnect the air temperature sensor harness **(Fig. 3)**.



6. Disengage the retainer clips then remove the factory cold side charge pipe (**Fig. 4 & 5**).



7. From the Driver Side Fender, disconnect the three ECM connectors and wire harness clip connected to the frame. Loosen the hose clamp at the intercooler (**Fig. 6**).



8. Loosen the hose clamp on the turbo side (**Fig. 7**). Remove the factory hot side charge pipe.

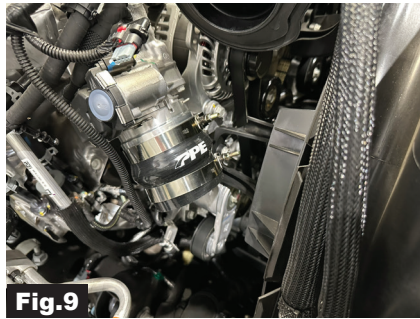


INSTALLATION FOR PPE COLD SIDE CHARGE PIPE:

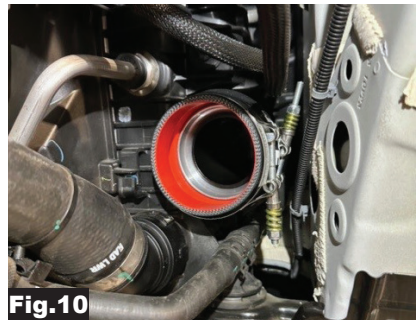
9. Remove the air temp sensor from the factory cold side charge pipe and install it into the PPE Cold Side Charge Pipe (A) (Fig. 8).



10. Install Coupler (L) with Hose Clamps (O) onto the Aluminum Adapter (C) then on to the throttle body (Fig. 9).

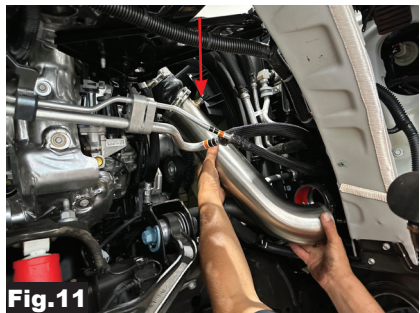


11. Install Coupler (K) with Hose Clamps (O) onto the Aluminum Adapter (F) then on the intercooler outlet (Fig. 10).



12. Install the PPE Cold Side Charge Pipe (B) on the throttle body side first then onto the intercooler side. Tighten all hose clamps. Reconnect the factory temperature sensor harness to the sensor (Fig. 11).

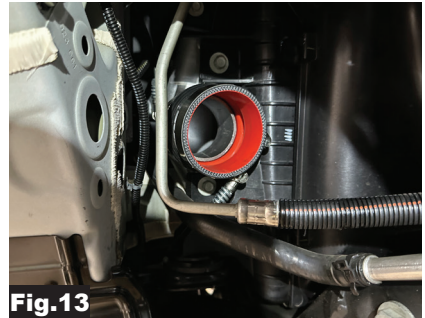
13. Reinstall the passenger's side wheel liner and tire.



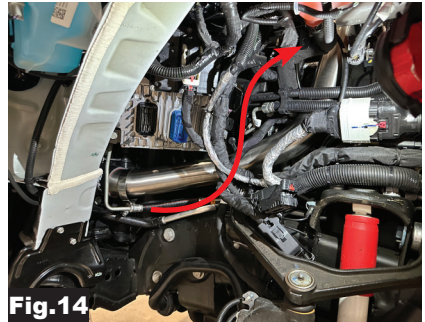


INSTALLATION FOR PPE HOT SIDE CHARGE PIPE:

14. Install Coupler **(I)** and Hose Clamps **(M & N)** onto the turbo outlet and Coupler **(J)** and Hose Clamps **(N)** on the intercooler side **(Fig. 12 & 13)**.



15. Feed the PPE Hot Side Charge Pipe **(A)** from the lower engine bay into position. Connect the pipe to the upper coupler **(I)** then to the lower coupler **(J)**. Tighten all clamps **(Fig. 14 & 15)**.



- 16.** *Reinstall the ECM connectors and clip for the wire harness.*

- 17.** *Reinstall the driver's side wheel and wheel liner. Reinstall the factory air box into the vehicle. Reconnect all wiring harnesses and nuts.*

- 18.** *Connect the negative battery terminal on both batteries.*

Installation complete.

Place the supplied CARB E.O. label on a clean, visible location under the hood. PPE recommends using the top side of the fan shroud.

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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