

Performance Transmission Cooler Bar and Plate

*2020+ GM 6.6L Duramax (L5P) w/
Allison 1000/2000 Series Transmissions
(124066000)*

Installation Guide



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.

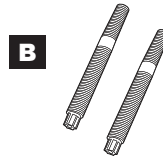
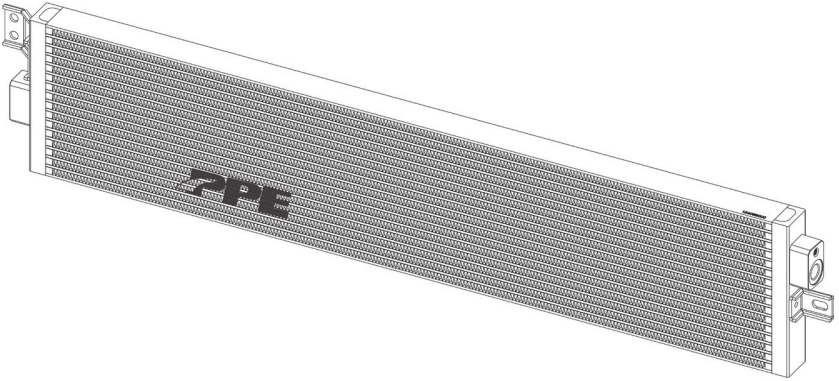
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CONTENTS

- A: Bar and Plate style
Transmission Cooler (1)
- B: Transmission Line Studs (2)

Disassembly

Vehicle off. Engine cool.

Step 1 Remove the hood latch. Fig 1



Fig 1

Step 2 Remove the plastic clips securing the radiator cover to the grill. Fig 2
Remove the radiator cover. Fig 3



Fig 2



Fig 3

Step 3 Remove the bolts along the top of the grill. Fig 4

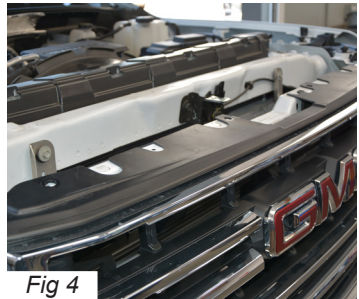


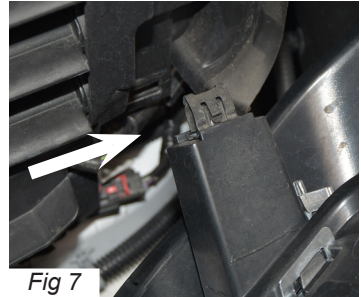
Fig 4

Step 4 Locate the bumper/fender trim panels located just below the headlights. Pull forward on the inner section where it meets the grill until the clips pop. These panels need to be loosened to remove the grill. Fig 5

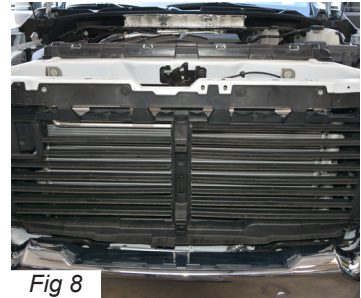


Fig 5

- Step 5** With a helper, grab both side of the grill at the top and bottom and pull forward until the clips pop lose. Fig 6/7 Remove the Grill.



- Step 6** With the grill removed you will have access to the active cooling shutter assembly if equipped. Fig 8



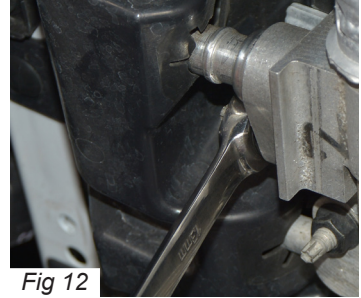
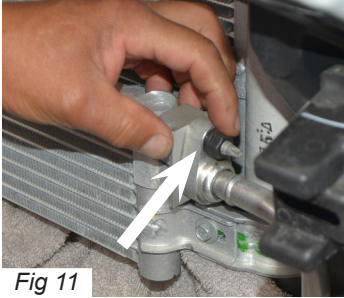
- Step 7** Remove all bolts securing the active shutter assembly to the core support. Fig 9



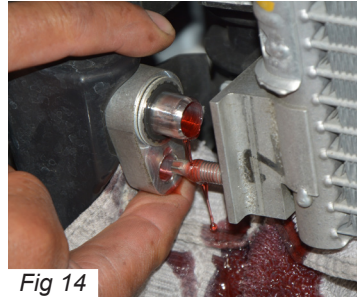
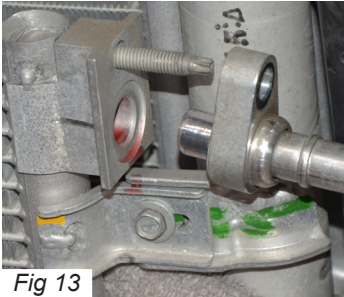
- Step 8** Disconnect the electrical connectors from the active shutter assembly. Remove the shutter assembly. Fig 10



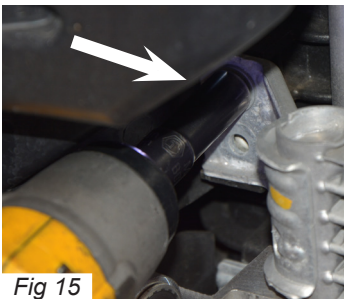
Step 9 On the drivers side of the factory trans cooler remove the nut that secures the transmission line to the trans cooler. Repeat this process on the passenger side of the transmission cooler. Fig 11/12



Step 10 Pull the transmission cooler lines outward from the cooler on both the passenger and driver sides. Fig 13/14



Step 11 Remove the mounting bolts on both driver and passenger sides securing the trans cooler to the radiator and core support. Fig 15 Remove the transmission cooler. Fig 16



Installation

Step 12 Install provided studs onto the PPE transmission cooler where the transmission cooler lines connect to the cooler. Fig 17



Fig 17

Step 13 Install the new PPE trans cooler into the same location as the factory trans cooler. Fig 18



Fig 18

Step 14 Insert transmission cooler fluid lines into the Transmission Cooler fittings. Check to ensure they are fully inserted. Fig 19

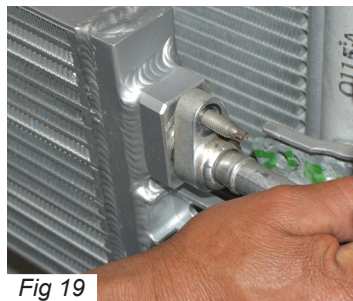


Fig 19

Step 15 Align the mounting brackets on the new PPE cooler with the mounting holes on the radiator and core support and reinstall the three factory bolts that were removed in step 10. Tighten bolts. Fig 20

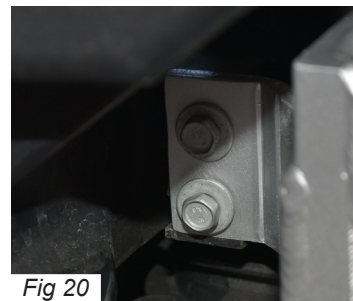


Fig 20

Step 16 On the drivers side of the PPE trans cooler replace the nut on the stud that secures the transmission line to the trans cooler, tighten. Repeat this process on the passenger side of the transmission cooler. Fig 21/22

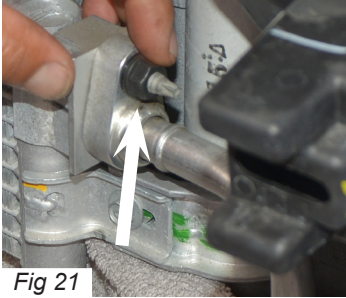


Fig 21

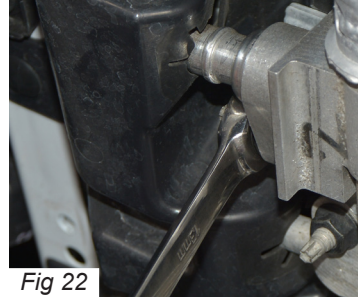


Fig 22

Step 17 Recheck all hardware is installed correctly and tight, check that the new PPE transmission cooler is secure to the vehicle.

Step 18 Reinstall the active shutter assembly and reconnect the electrical connections.

Step 19 Reinstall the grill onto the vehicle, check all hardware to ensure the grill is secure.

Step 20 Reinstall the radiator cover onto the vehicle, check all hardware to ensure the cover is secure.

Step 21 Start the vehicle and check the transmission lines for any leaks.

Step 22 Check the transmission fluid level and add fluid if required according to the manufactures instructions.

Installation complete



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