

SUNCENT

2020-2026 L5P 6.6L Duramax 4"/5"

Downpipe-Back Exhaust

Installation Manual

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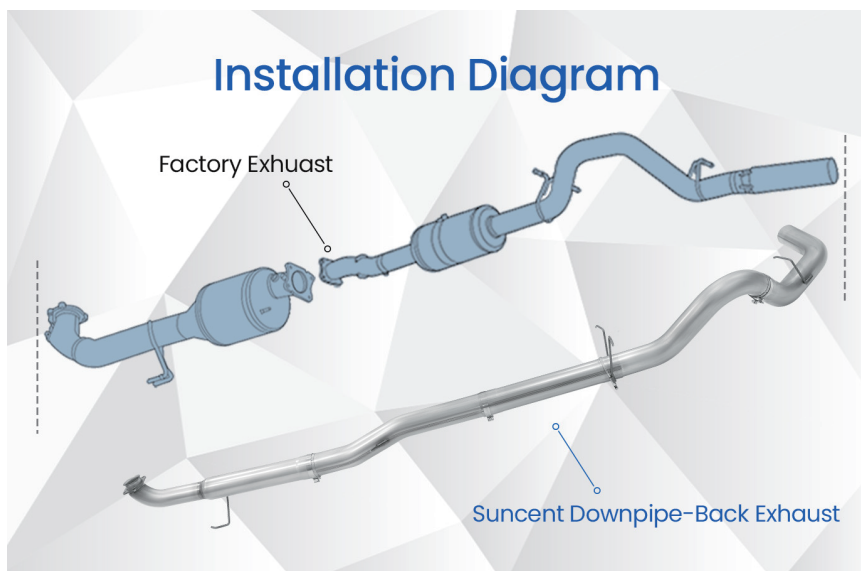
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Special Precautions:

- (1) The exhaust system is associated with many sensors. The negative terminal of the battery "-" must be disconnected before disassembly.
- (2) The exhaust system is a high-temperature component. It needs to be fully cooled (about 30 minutes after the engine is turned off) before starting the operation.
- (3) Be careful to prevent burns.
- (4) The exhaust system is prone to rust. Be sure to spray rust remover (for example: WD-40) before disassembly to prevent the bolts from getting stuck.

STEP 1

Disconnect the vehicle battery.

STEP 2

Spray rust remover on the exhaust flange bolts and exhaust hook area (let stand for 10 minutes).

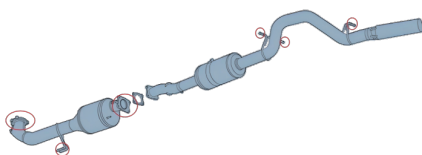


Image 1

STEP 3

Disconnect the exhaust aftertreatment system sensor connectors and wiring harness clips (DOC, DPF, DEF, SCR).



Image 2

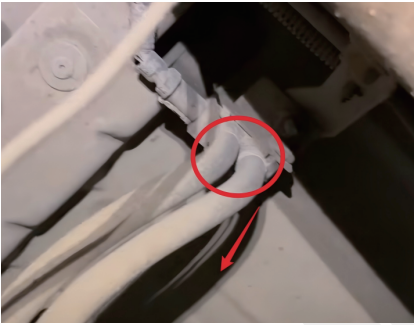


Image 3

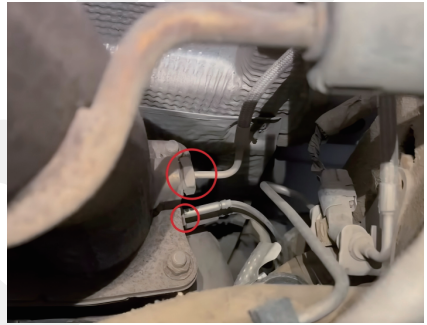


Image 4



Image 5

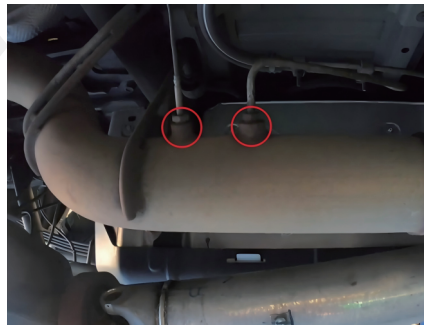


Image 6

STEP 4

Remove the flange bolts at the front of the DPF and remove the factory exhaust hangers.

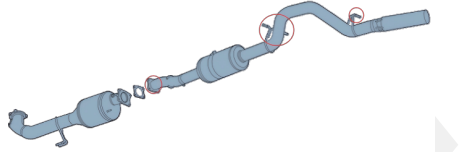


Image 7

STEP 5

Use a cutting saw to cut the DPF and the rear exhaust tailpipe, pulling the exhaust tailpipe and DPF towards the rear of the vehicle.

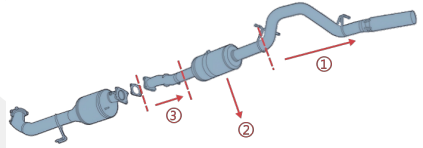


Image 8



Image 9



Image 10



Note: If the original OE exhaust components need to be reinstalled in the future, the remaining exhaust components can be removed by taking down the crossmembers located before and after the catalytic converter (CAT). This method will add approximately 3 hours of additional labor time.

STEP 6

Use a cutting saw to cut the exhaust pipe front end and CAT (Catalyst Arm) and pull the CAT out from the bottom.

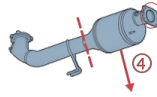


Image 11

STEP 7

Remove the front flange bolts and exhaust hook, and remove the remaining exhaust system from the front.



Image 12



Image 13

Install the Downpipe:

STEP 8

Install the downpipe front section, connect it to the turbocharger, and pre-tighten the clamps.

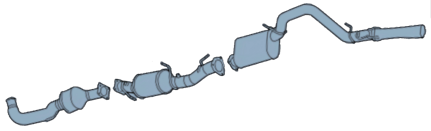


Image 14

STEP 9

Use clamps to connect the downpipe front and middle sections, secure the straight pipe hook, and pre-tighten the clamps.

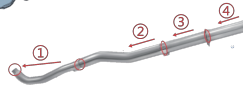
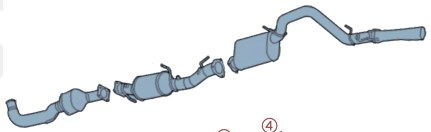


Image 15

STEP 10

Use clamps to connect the downpipe front and rear sections, adjust the downpipe according to the wheelbase, and pre-tighten the clamps.

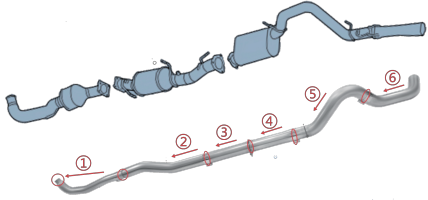


Image 14

STEP 11

Starting from the front, tighten all hardware and clamps sequentially to ensure the system is secure. Check along the entire length of the exhaust system to ensure sufficient clearance between fuel lines, ventilation lines, brake lines, frame, body, suspension, and all wiring components. If any interference is found, reposition or adjust the component positions to ensure sufficient clearance. Ensure all clamp connections are secure and components cannot rotate or slide.