



iPE Exhaust

Automotive exhaust system engineering

Mercedes-Benz

W177-A35

Product installation instruction

I. Important information

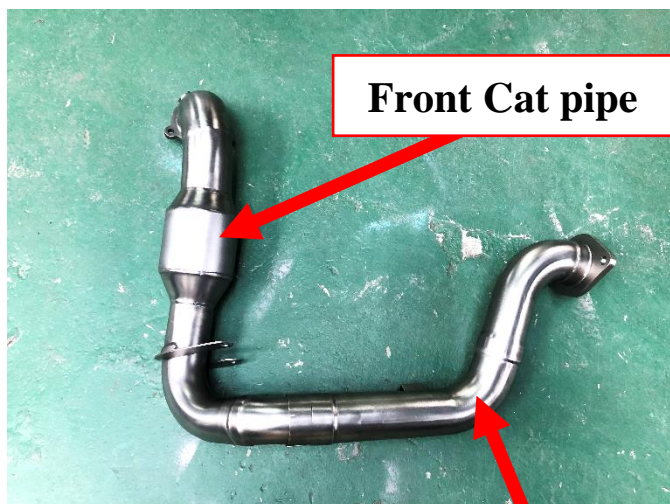
iPE developed exhaust systems based on the OEM exhaust to avoid issue with installation. Modern car keys and the vehicle itself have an inductive power transmission function, we suggest to keep the car key at least 5 meters away from the vehicle for safety purpose. Please wear insulated gloves to replace the exhaust pipe when hot, or replace it after cool down to avoid burns.

When setting the valve to open automatically, please do not let the valve open prematurely to avoid resonance; it is recommended to set the timing of valve opening to 60% of the throttle. For detailed setting options, please refer to the **control box setting** page.

The iPE exhaust system is an evolution designed based on OEM spec. If the vehicle has ECU tuning, there may be possible resonance from the exhaust system. If you have any questions about this installation instruction, please contact your local iPE dealer or email us at info@ipe-f1.com

II. Mercedes-Benz A35 (W177)

Product assembly



Tips



Front pipe

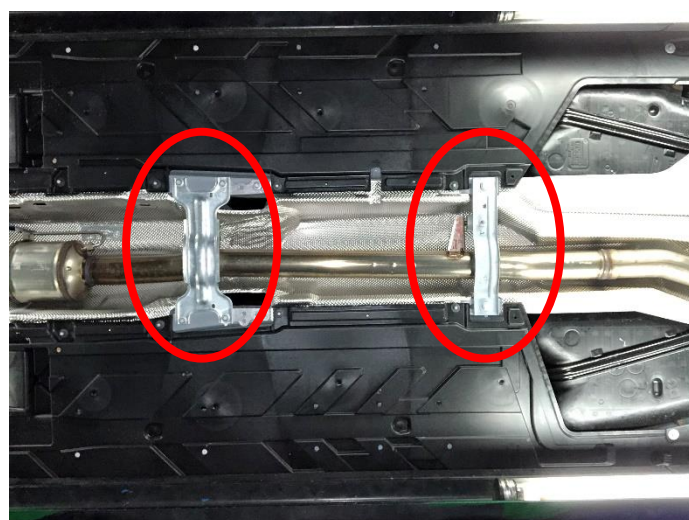
Mid pipe

Muffler

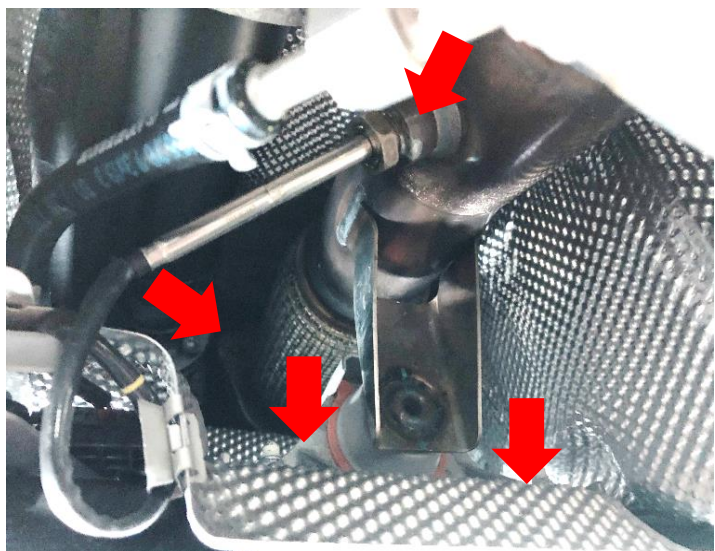
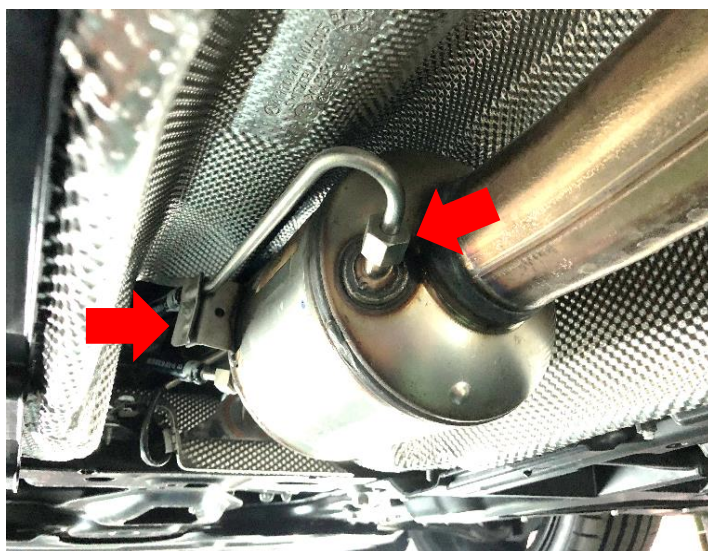
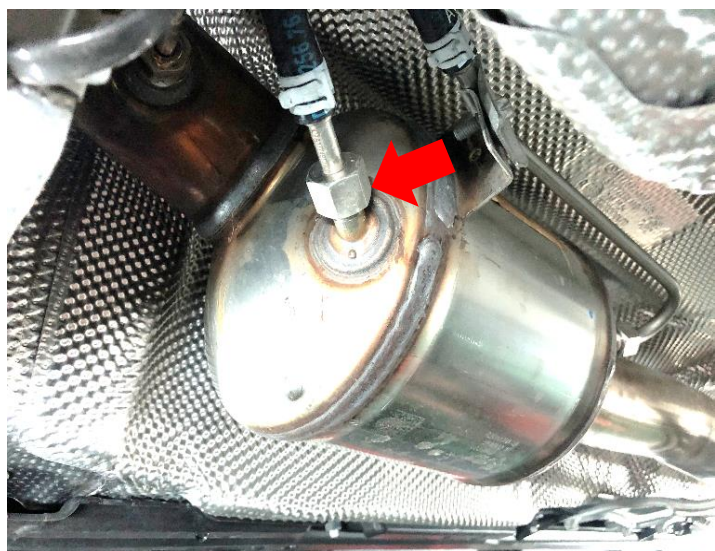
III. Remove the original exhaust

Lift up the vehicle to the working position.

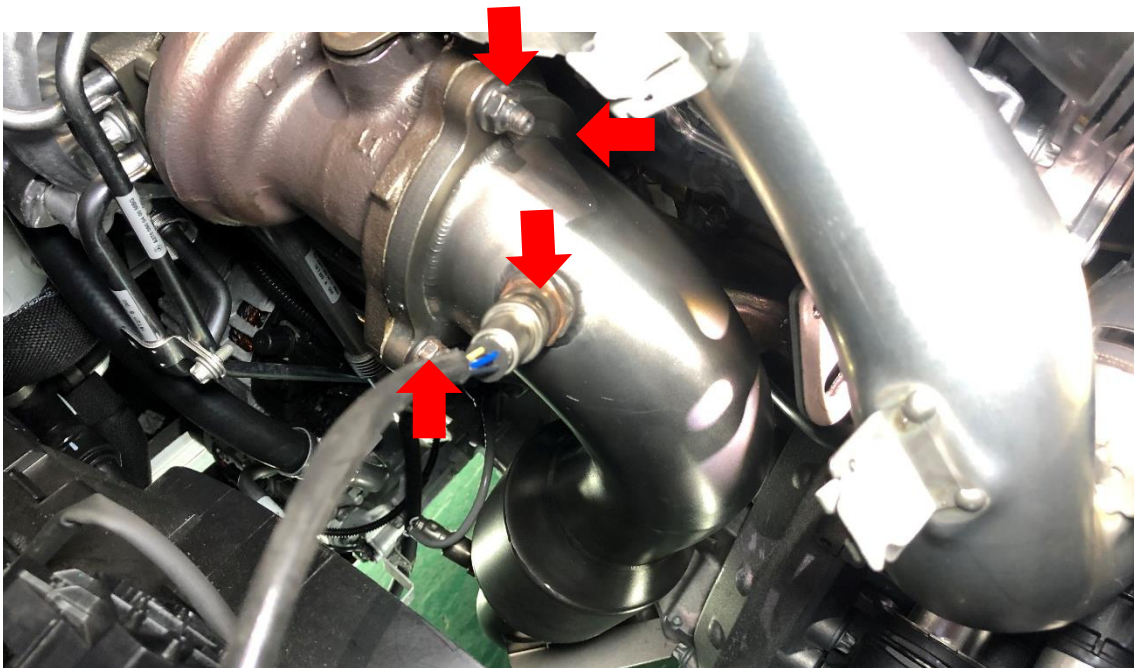
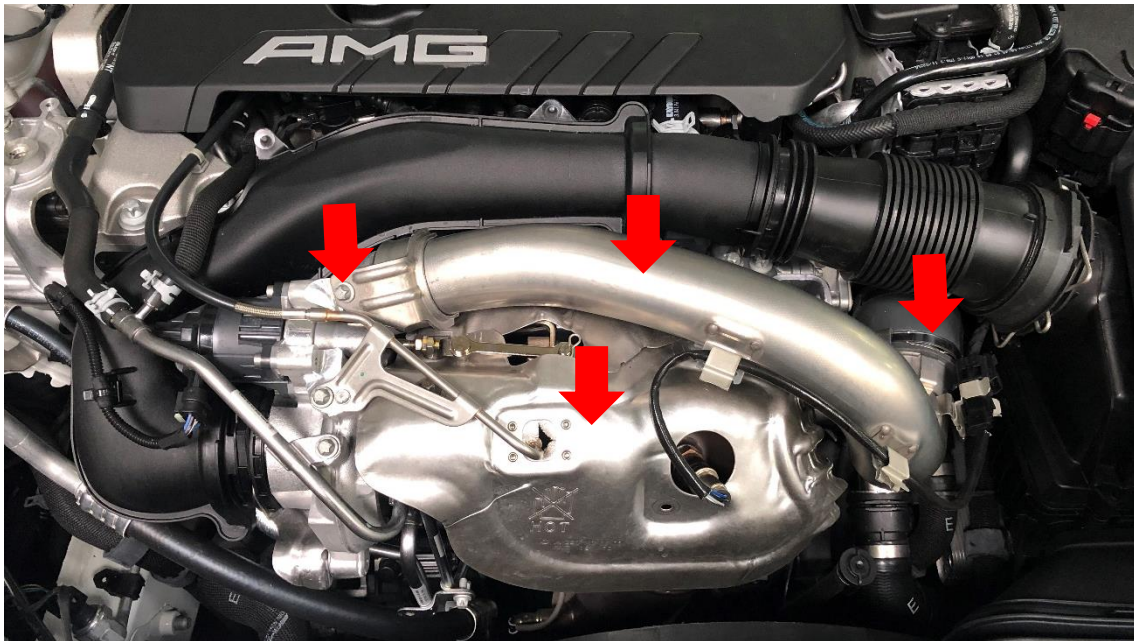
1. Unplug the electronic valve motor plug on the original muffler.
2. Remove the front lower guard and the mid pipe pull rod screw.



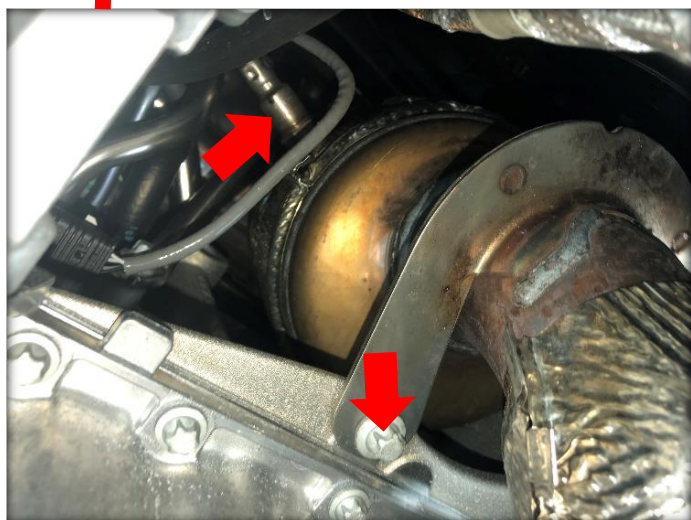
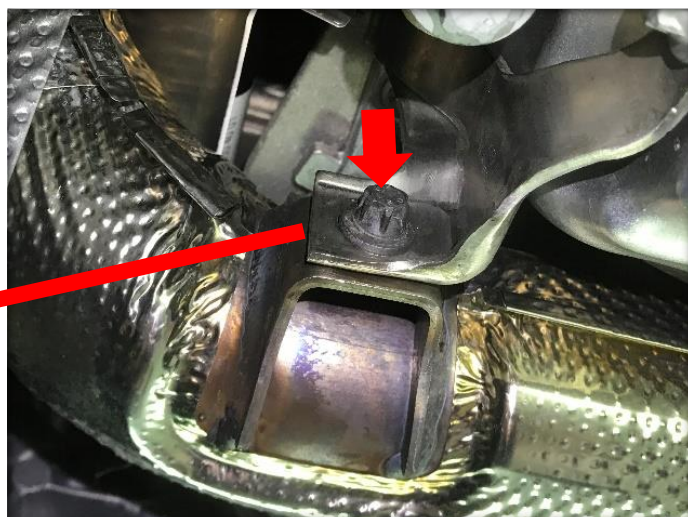
3. Remove the OPF temperature and pressure sensor.
4. Remove the cat pipe, the front pipe retainer nut and the bushes nut.
5. Remove the bush of the muffler, then you can remove the original catback system.



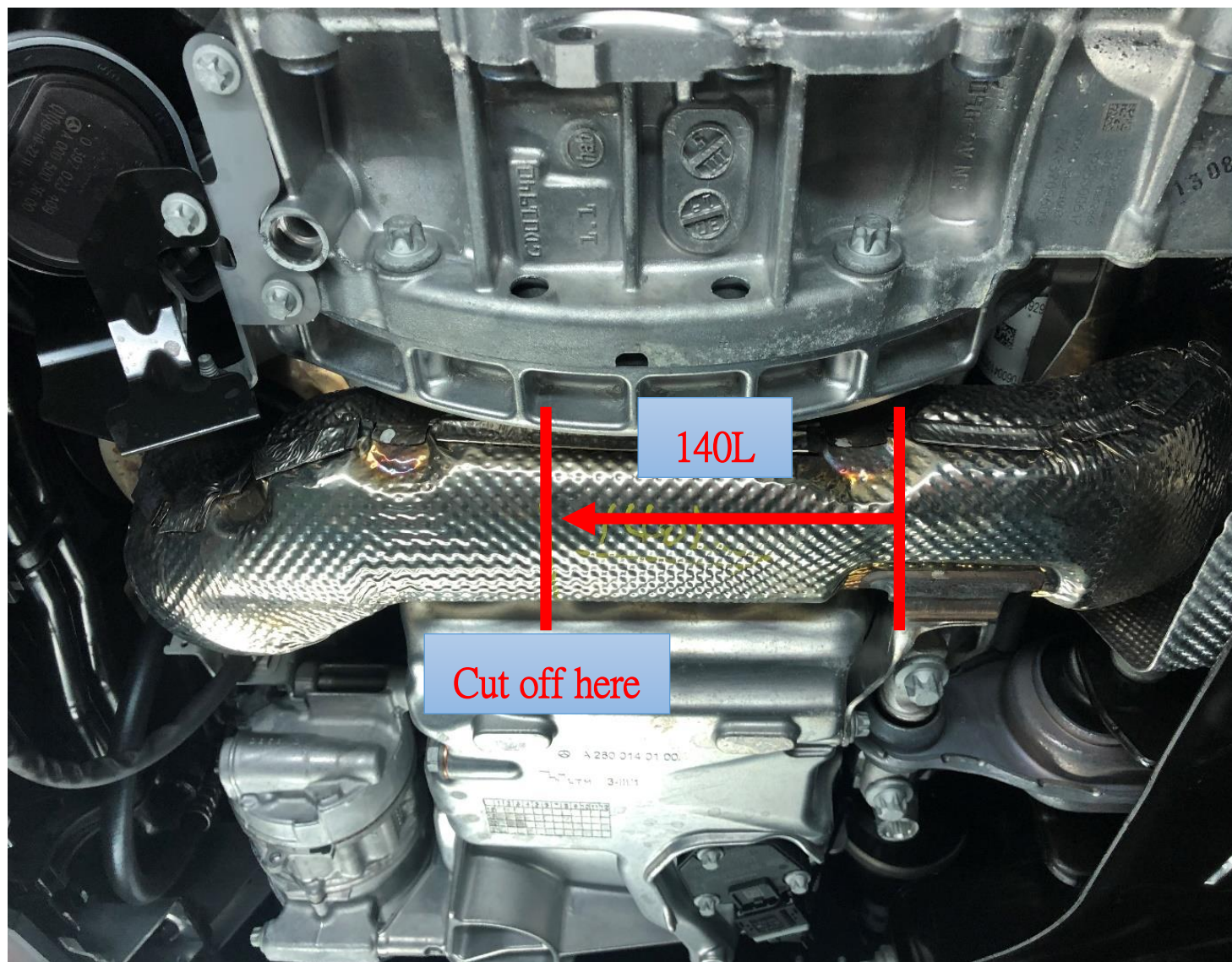
6. Remove the inlet and outlet clamps and screws of the intake pipe, and the intake pipe can be removed.
7. Remove the heat shield of the cat pipe.
8. Remove the retainer screws of the cat pipe and the front oxygen sensor.



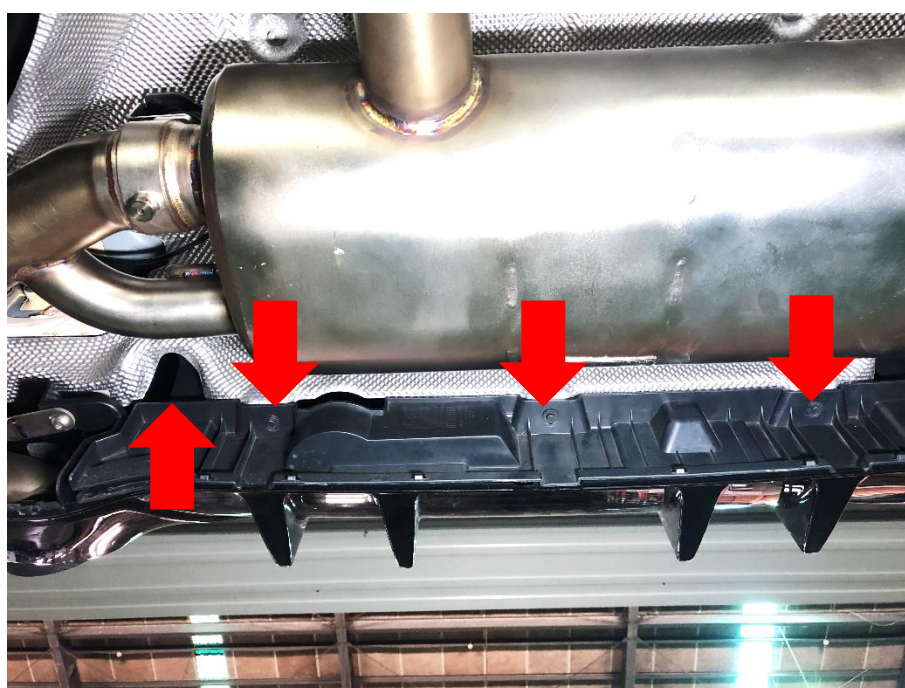
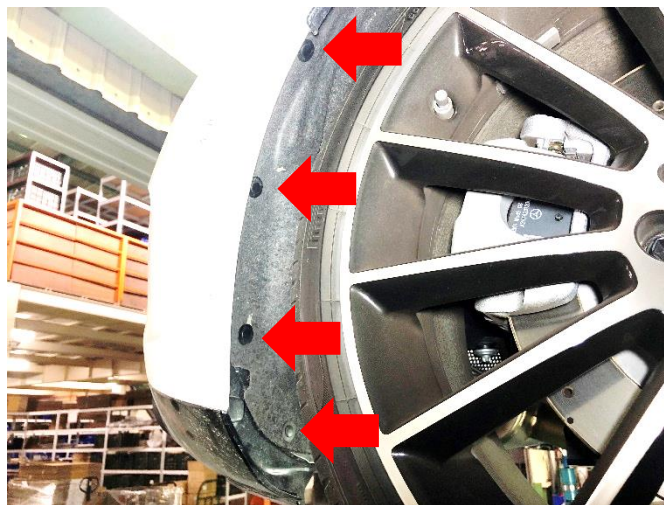
9. After removing the oxygen sensor and the bush screws at the entrance and exit ends of the cat pipe, then the cat pipe can be removed.



10. According to the position shown in the picture, cut the original catalyst head section, then you can take out the catalyst head section.

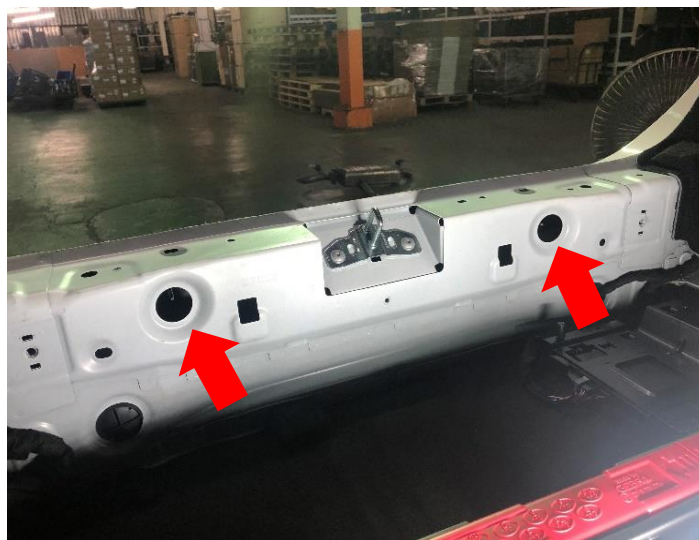


11. Remove the buttons and screws shown in the picture.

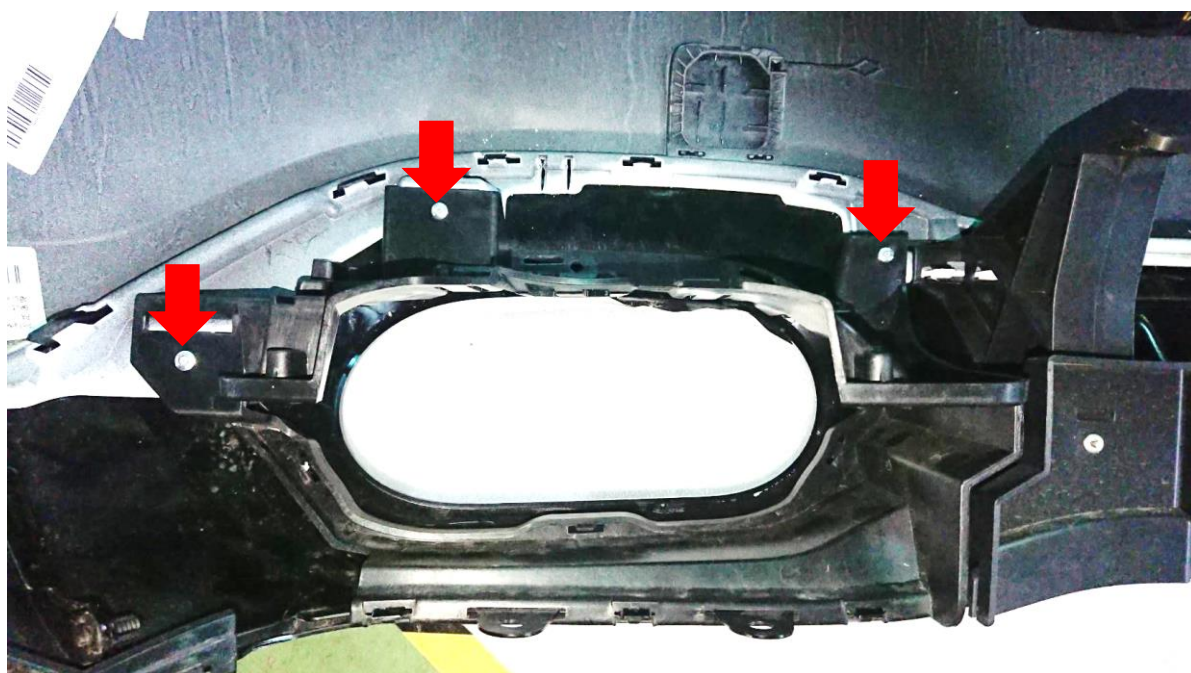


12. Remove the rubber plug after lifting the trunk floor of the rear trunk, and then remove the inner nut of the rear bumper.

13. Disassemble the quick release head of the inner cable group of the rear bumper, and then remove the rear bumper.



14. Remove the original tips.
15. Use a 3.2mm drill bit to drill the nails of the outer frame of the tips.
16. Take out the inner trim tip trim plate, then restore the outer frame of the trim tips, and fix it with a pull tips.



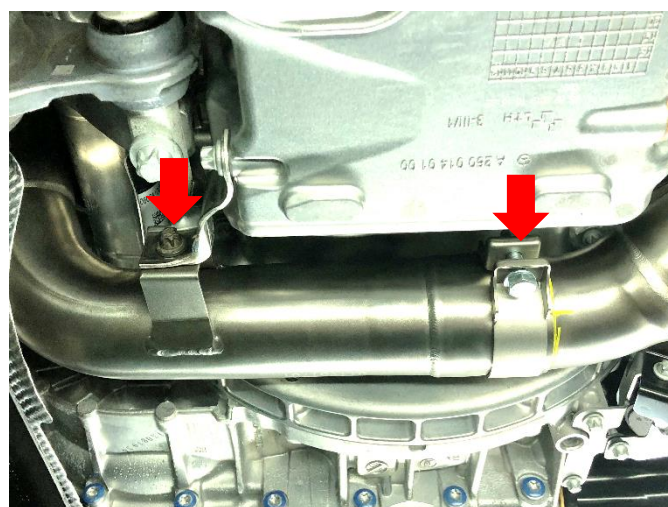
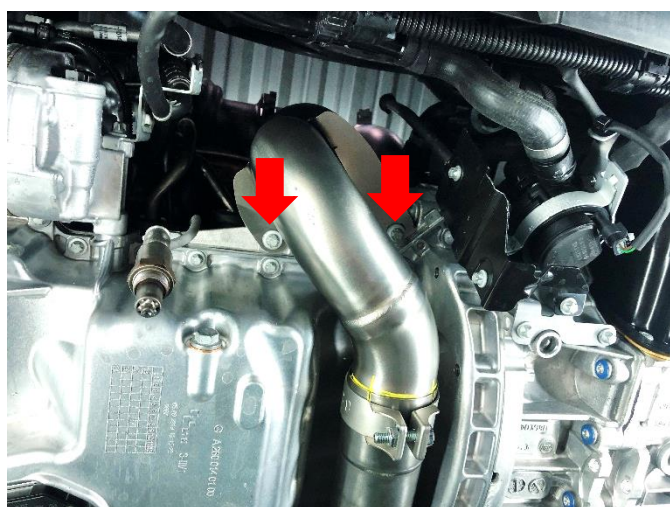
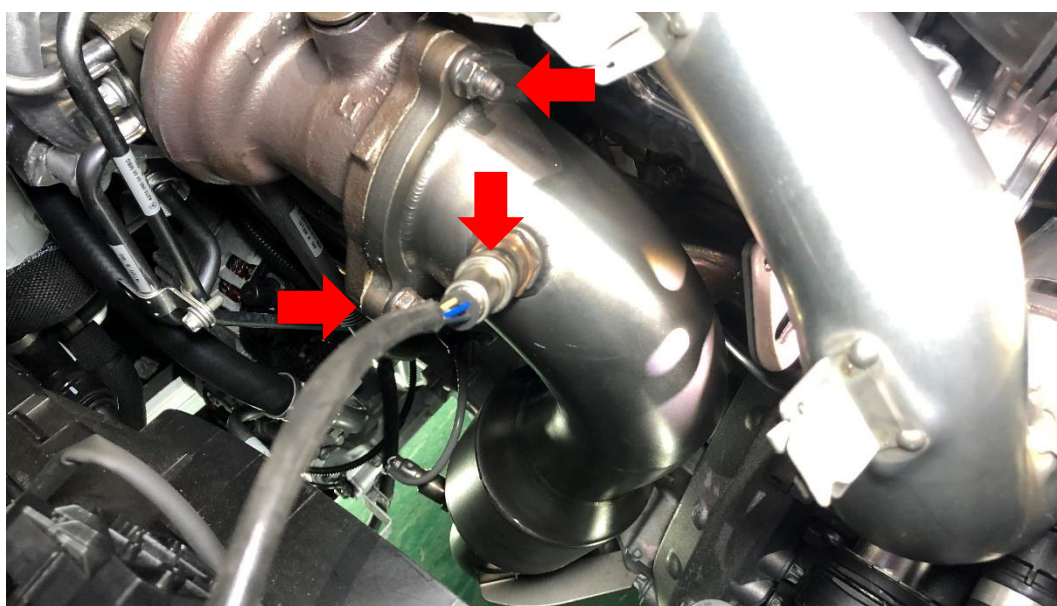
No need to reinstall this decoration

17. If only installed the mid pipe and muffler of the iPE, the original exhaust pipe must be cut as shown in the picture.

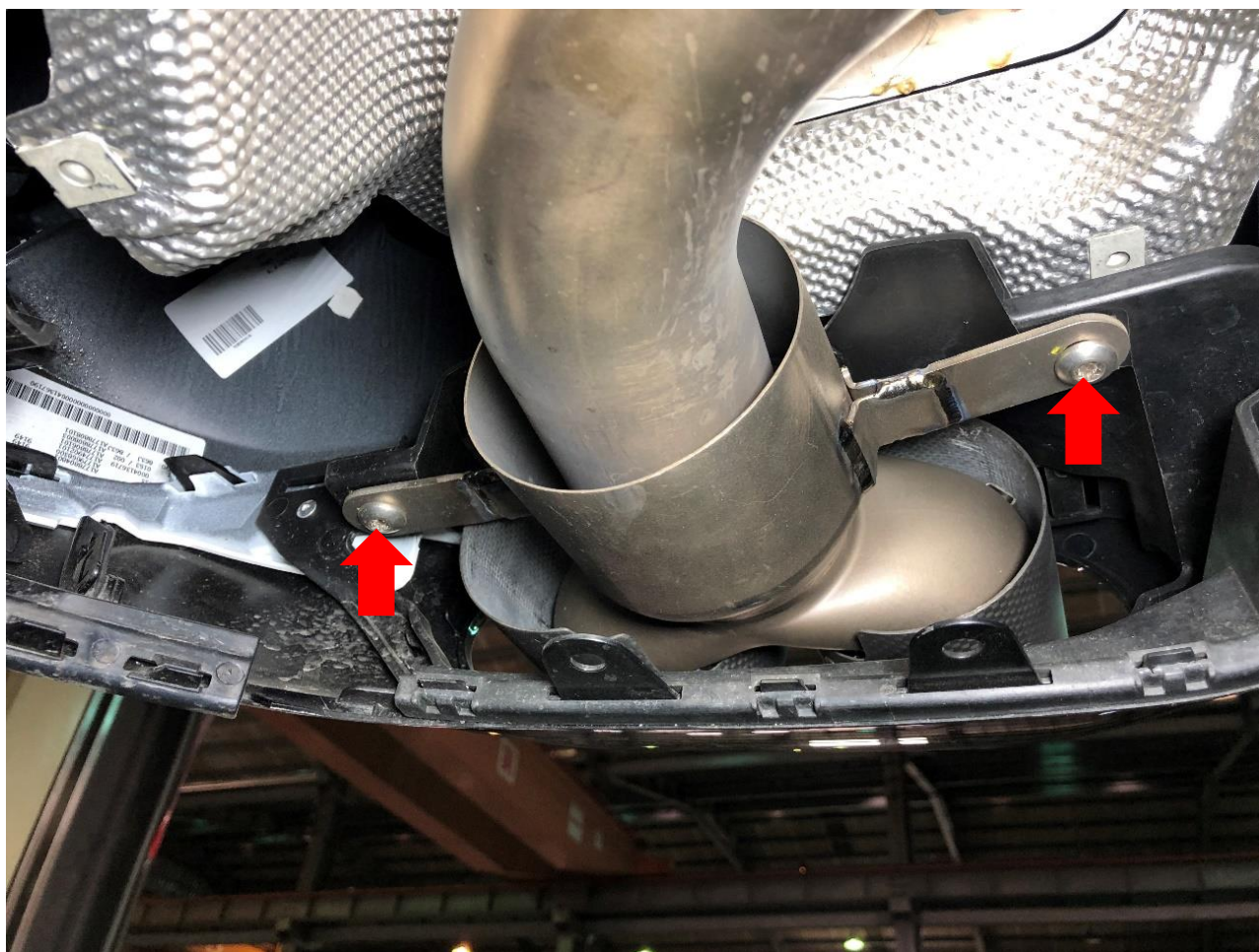


IV. Install the iPE exhaust

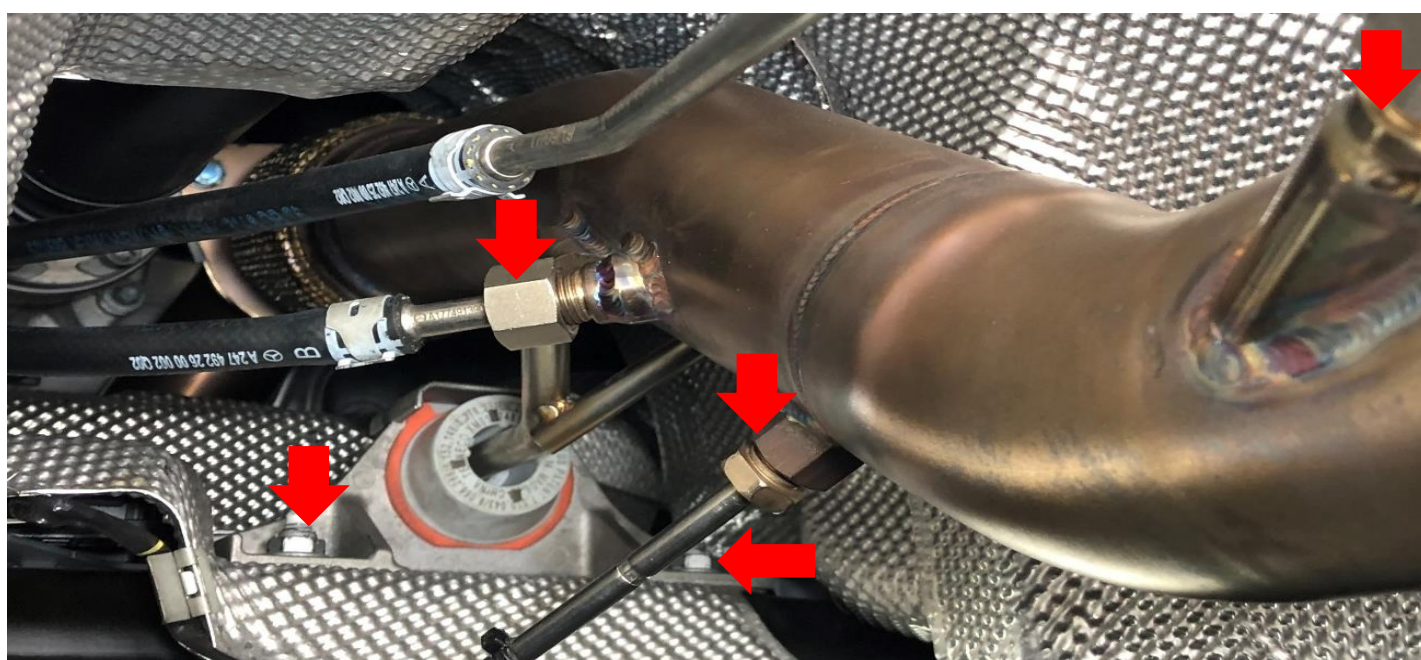
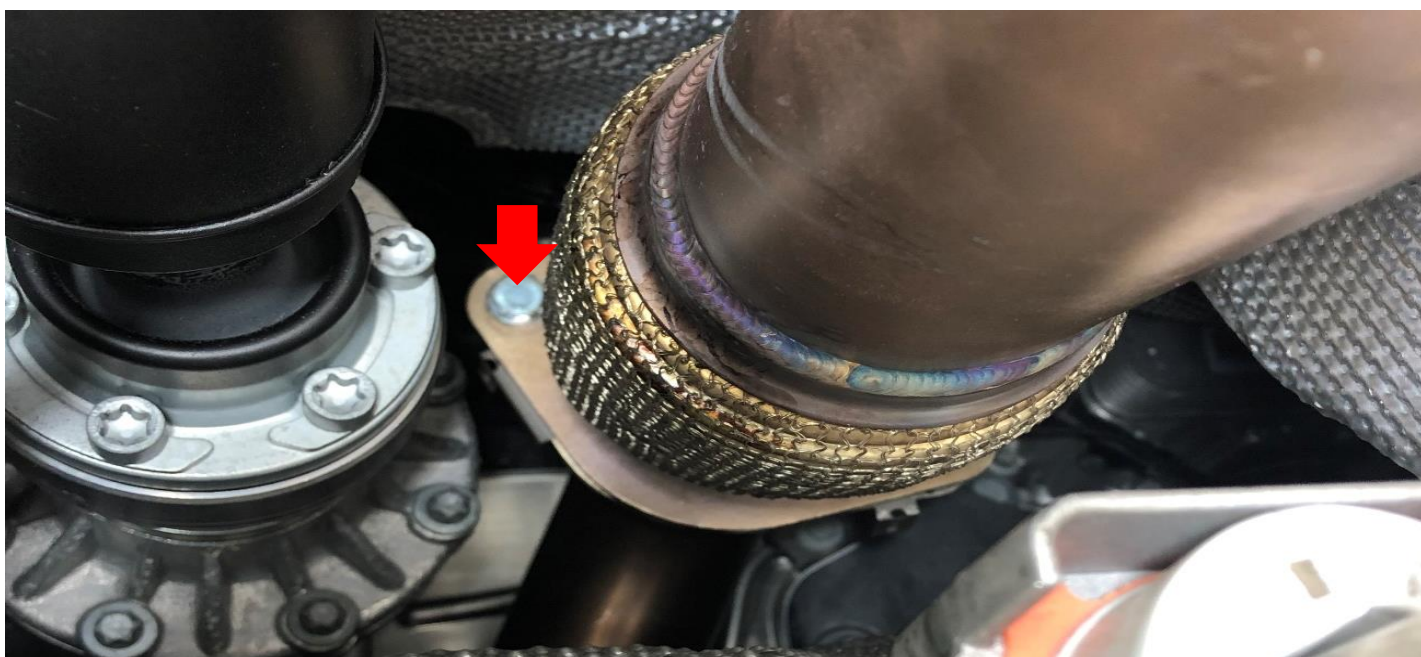
1. Install the iPE front cat pipe, lock the front retainer screws and the front bush screws back.
2. Install the iPE rear cat pipe, and lock the screws of the rear bush back.
3. Replace the oxygen sensor of front and rear cat pipe, and then lock the $\phi 69.3$ clamp.
4. Install the heat shield and intake pipe of the cat pipe back in order.



5. Install the iPE tips to the position.



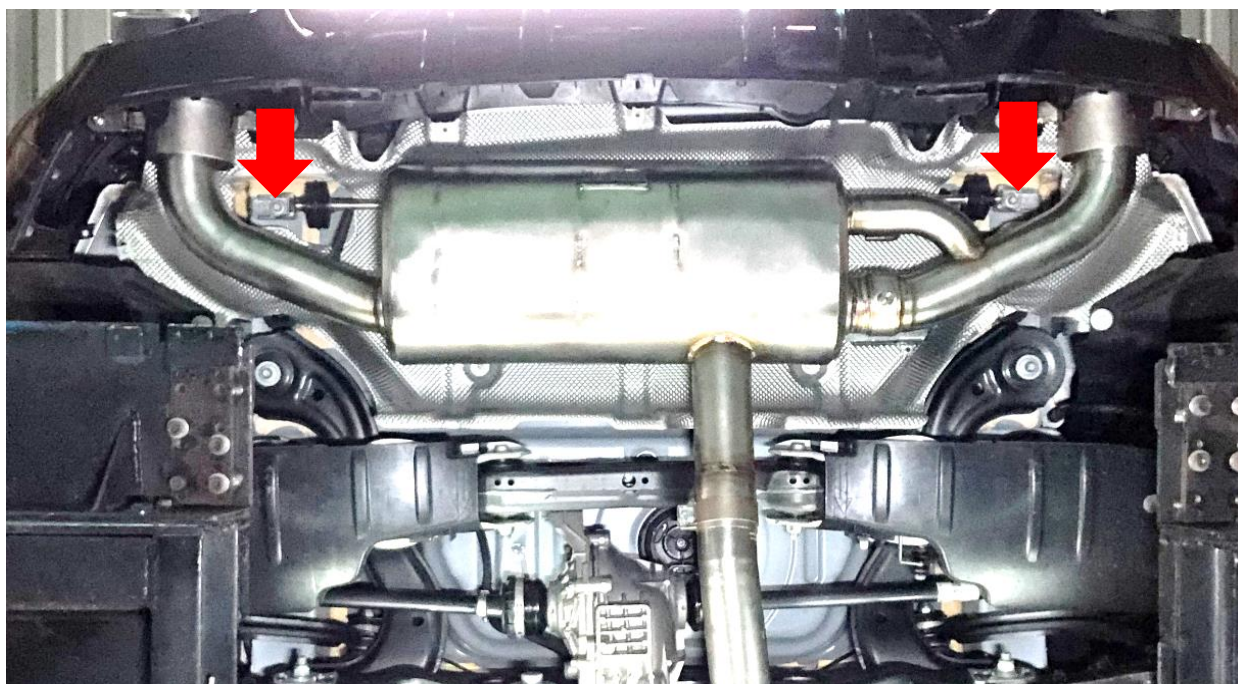
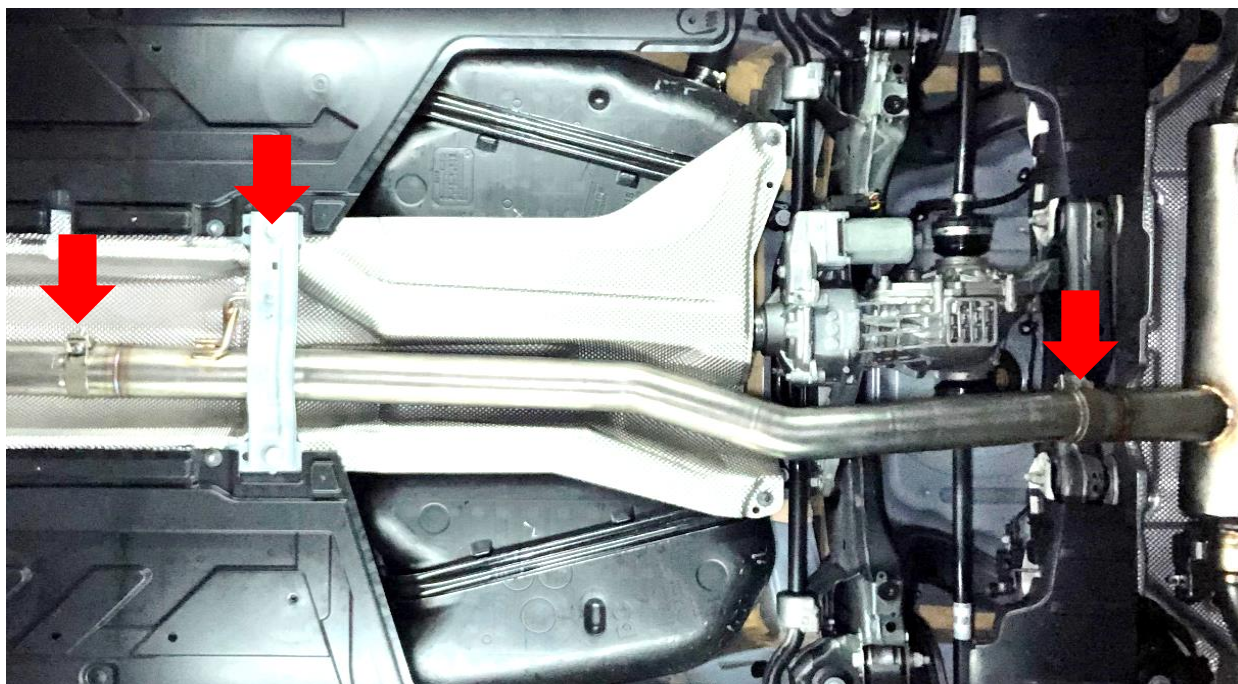
6. Screw the retainer at the connection between the front pipe and the rear cat pipe.
7. Lock the front pipe bush screws, OPF temperature and pressure sensor back.
8. Lock the chassis support of front pipe back.



9. Remove the electronic motor and spring from the original muffler and install it on the iPE muffler. Pay attention to whether the spring is adjusted to the position when installing.



10. Install the mid pipe to the positioning and lock the mid pipe of chassis support back.
11. Lock back the bushes of muffler and install it to the positioning.
12. Plug in the electronic valve.



13. Make sure to adjust the gap between the exhaust pipe and chassis by at least 15mm, adjust the exhaust pipe backwards from the front cat pipe to the position, and tighten the bush screws and the clamps.
14. After confirming the completion, the installation of the iPE full exhaust system is completed.

