



iPE Exhaust

Automotive exhaust system engineering

McLaren 600LT

Product installation instruction

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1.Important information

- i. Please read the installation manual before installing the iPE exhaust.
- ii. Please install by the technician of the car exhaust system or familiar with the iPE exhaust system.
- iii. This manual provides detailed installation instructions to ensure proper use and disassembly that the iPE exhaust is properly installed and used. If improper use and disassembly, the company does not assume any responsibility for loss and personal injury.
- iv. When installing the iPE exhaust system, please lock according to the torque value of the manual to avoid abnormal damage to the screws and nuts.
- v. If the exhaust pipe of the car still at a high temperature, please wear insulated gloves for the exhaust pipe installation work, or install it after cooling down.
- vi. Before starting, be sure to wipe off the oil on the exhaust pipe to avoid burning and high temperature.
- vii. The iPE exhaust system is designed according to the original engine data. If the computer is upgraded to change the engine parameters, the exhaust pipe may generate resonance, resonance or other abnormal sound. iPE can provide a modified version of the exhaust pipe for such vehicles.
- viii. If you have any questions about this installation instruction or use of the iPE exhaust system, please contact your local iPE dealer or contact us at info@ipe-f1.com.

2. Tools required for the installation

Tool name	Tool appearance
Rust inhibitor / lubricant	
Hexagon socket 10 、 12 、 13 、 14mm	
Outer hex wrench 12 、 13 、 14mm	
Torque wrench	
Star screwdriver	
Word screwdriver	
Star socket	

3. McLaren 600LT product assembly



4. Steps to remove the original exhaust and related key point

Lift up the vehicle to the working position.

1. Open the rear engine cover and remove the screws of engine cover.(Fig.1)
2. Remove the engine cover. (Fig.2)



Fig. 1



Fig. 2

Warning: Please put in park before lifting up, clear the surrounding area and pay attention to the height to ensure the safety of people and vehicles!

3. Remove the muffler heat protector. (Fig 2)

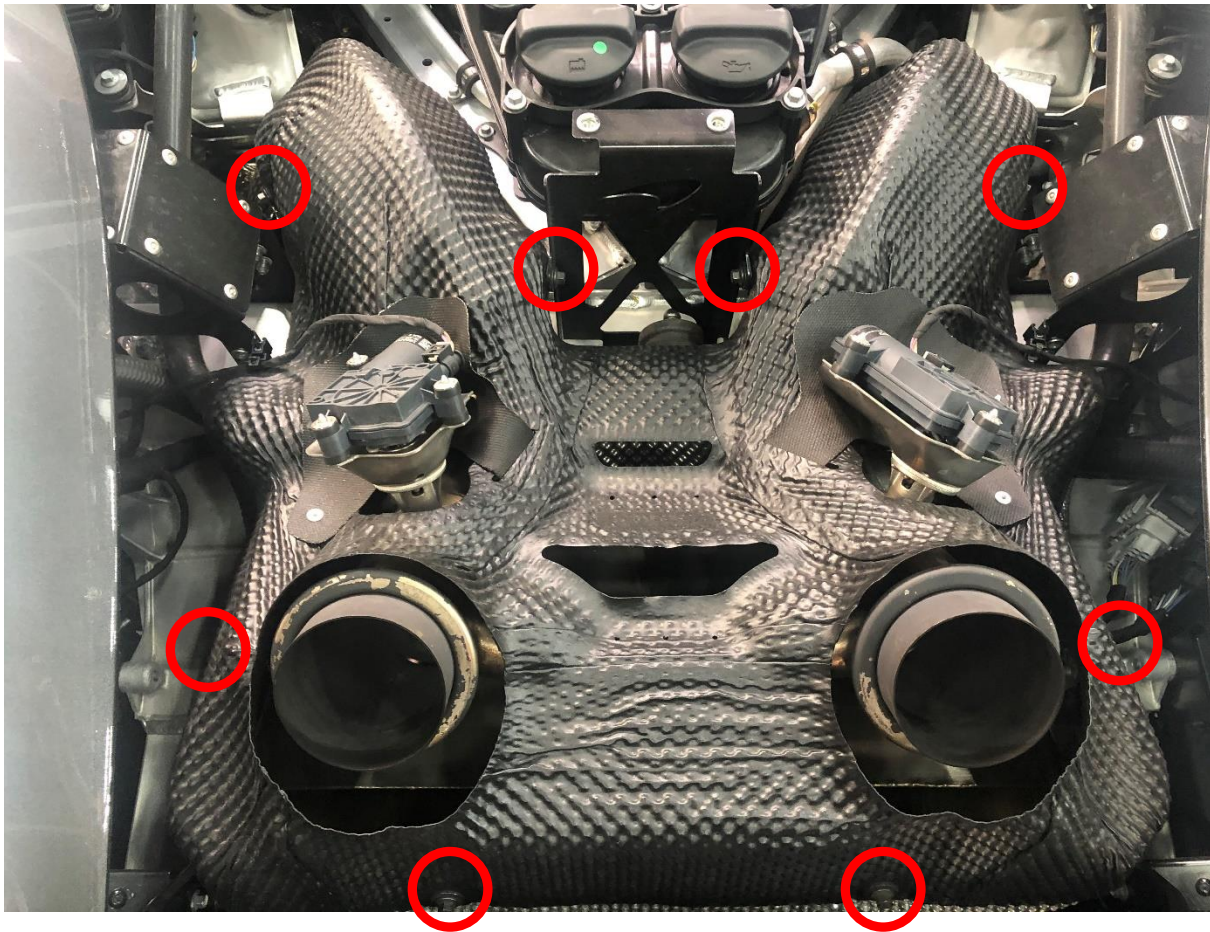


Fig. 3

Warning: After the screws are removed, placed neatly to avoid confusion during reinstall.

4. Remove the clamps on the entryway of muffler. (Fig 4-A)
5. Remove the bush on the entryway of the muffler. (Fig 4-B)
6. Remove the bush on the gateway of the muffler. (Fig 4-C)
7. Disconnect the electric motor plugs. (Fig 4-D)
8. Remove the rubber tube clamps. (Fig 4-E)
9. Remove the original muffler.

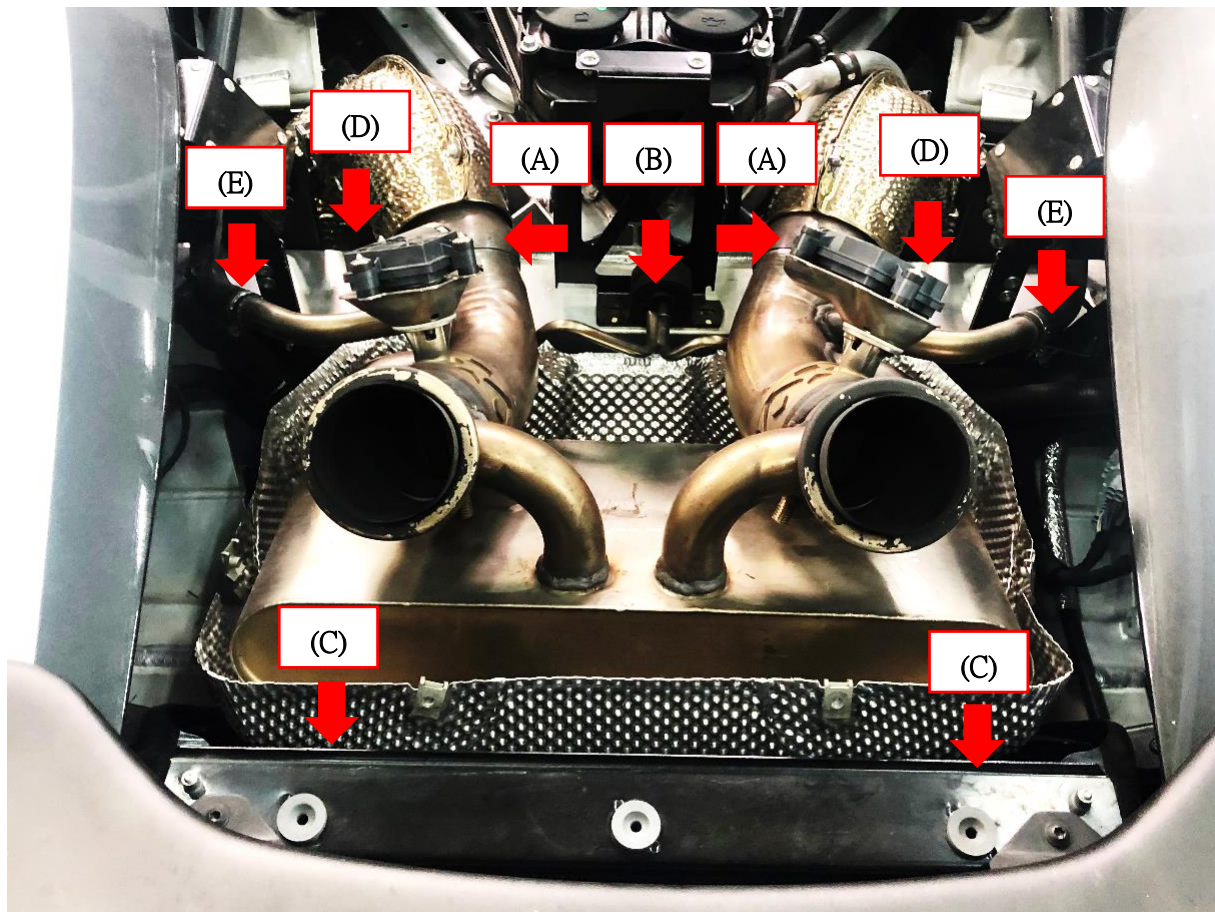


Fig. 4

Warning: After the screws are removed, placed neatly to avoid confusion during reinstall.

10. Remove the original wheel and inner wheel arches. (Fig 5)



Fig. 5

Warning: After the screws are removed, placed neatly to avoid confusion during reinstall.

11. Remove the cat pipe retainer clamp screws and front heat protector in order to remove the catalyst.(Fig 6~7)



Fig. 6



Fig. 7

12. Remove the left and right cat pipe bush holders. (Fig 8)

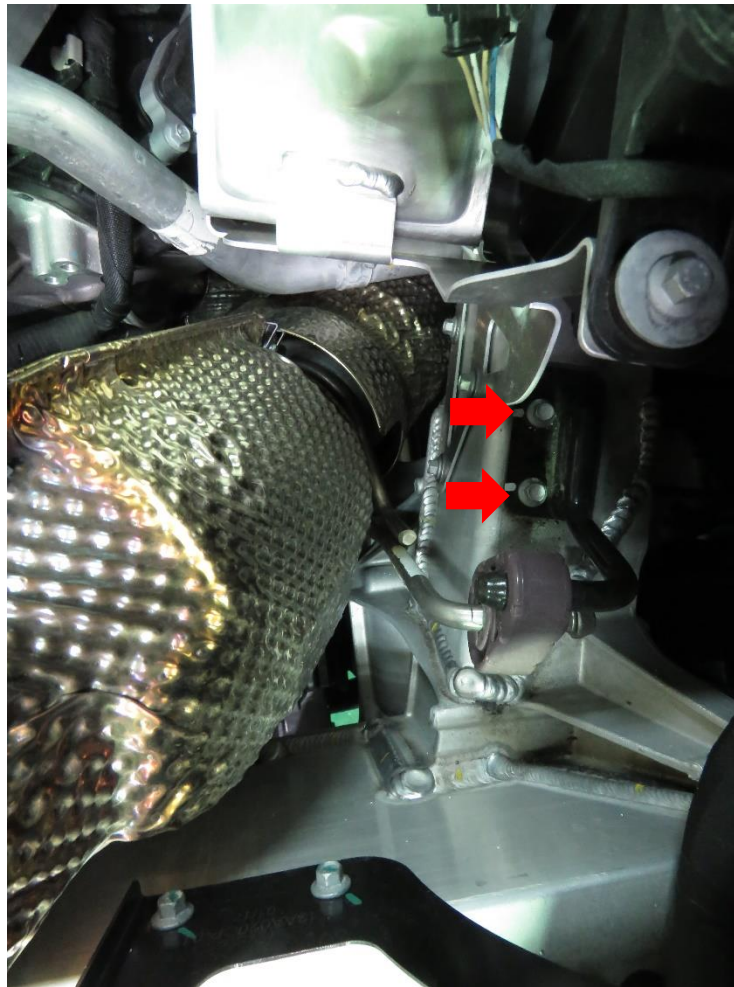


Fig. 8

Warning: The line plug has anti-detachment tongues, please remove them under the original regulations to avoid damage of the line!

Use appropriate tools to remove the exhaust valve vacuum tube. Improper removal will damage or break the vacuum tube!

13. Unplug the oxygen sensor. (Fig 9)

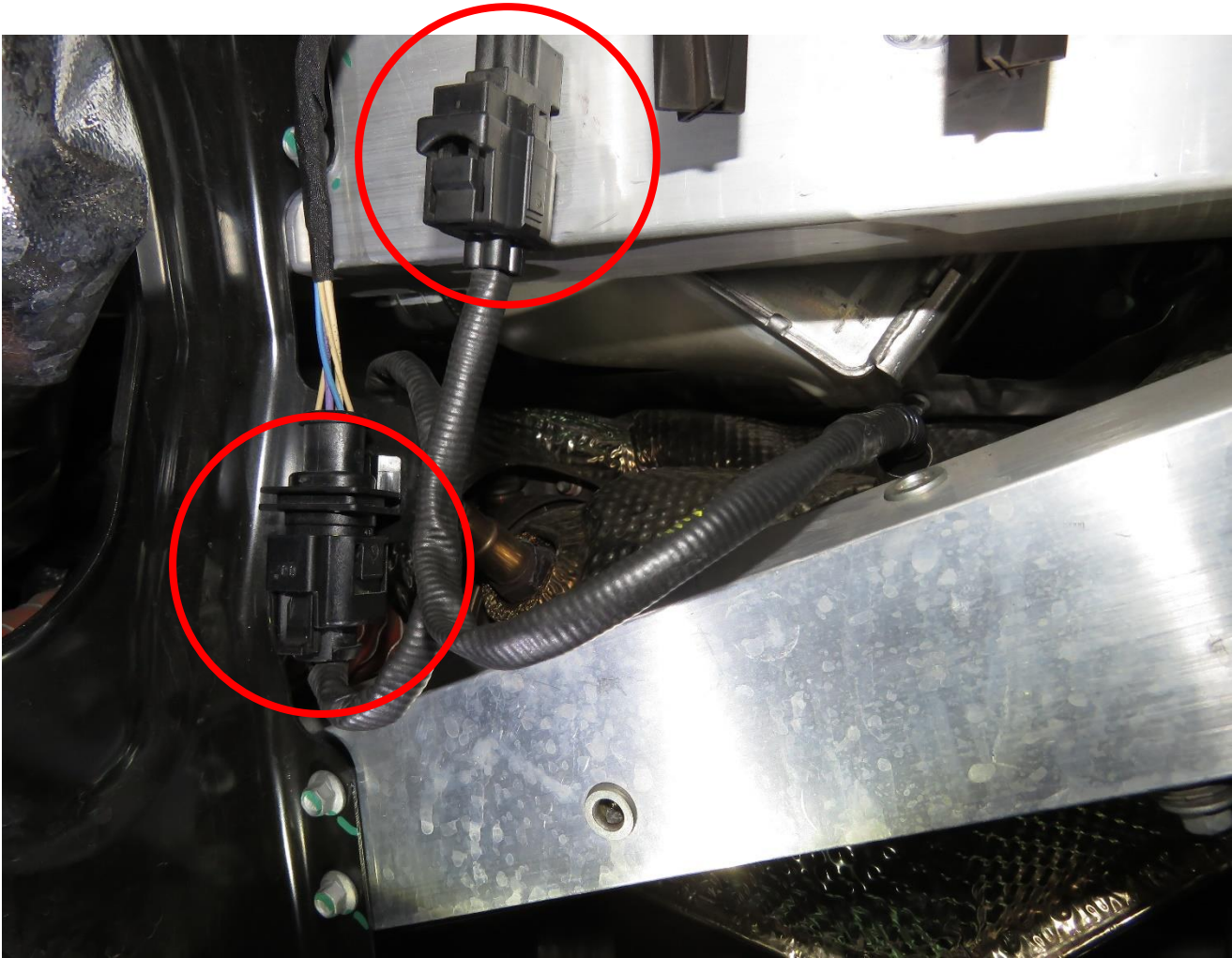


Fig. 9

Warning: The line plug has anti-detachment tongues, please remove them under the original regulations to avoid damage of the line!

Use appropriate tools to remove the exhaust valve vacuum tube. Improper removal will damage or break the vacuum tube!

14. Note that there is a positive pole on the right side of the generator.

Provide insulant to isolate them during disassembly to avoid short circuit. (Fig 10)

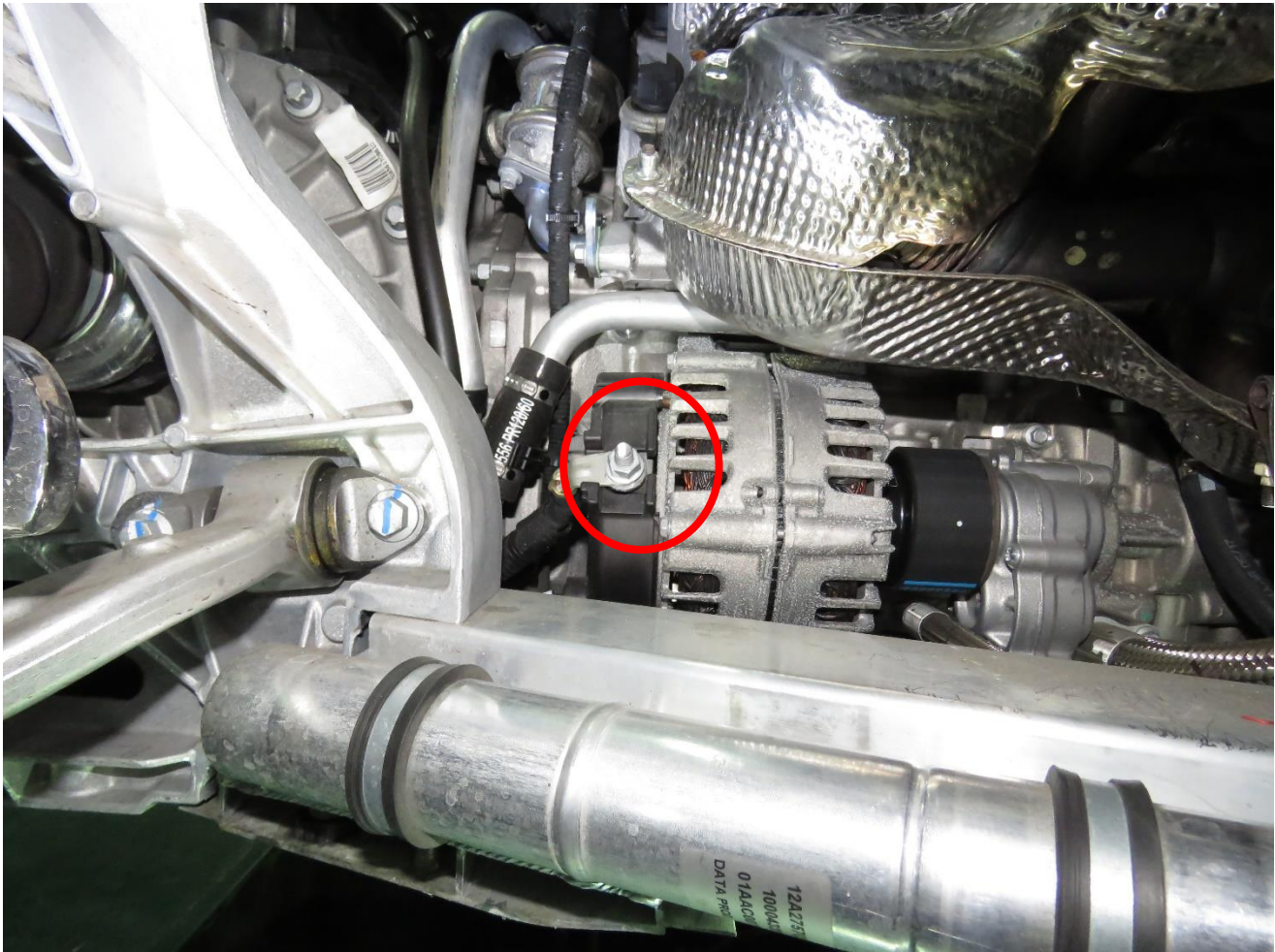


Fig. 10

5. Steps and focused points for installing the iPE exhaust

1. Install the cat pipe by the reverse order of disassembly, the rear part of the heat protector must be installed to the iPE cat pipe and the front part of the heat protector will be installed after the cat pipe is positioned. (Fig 11)

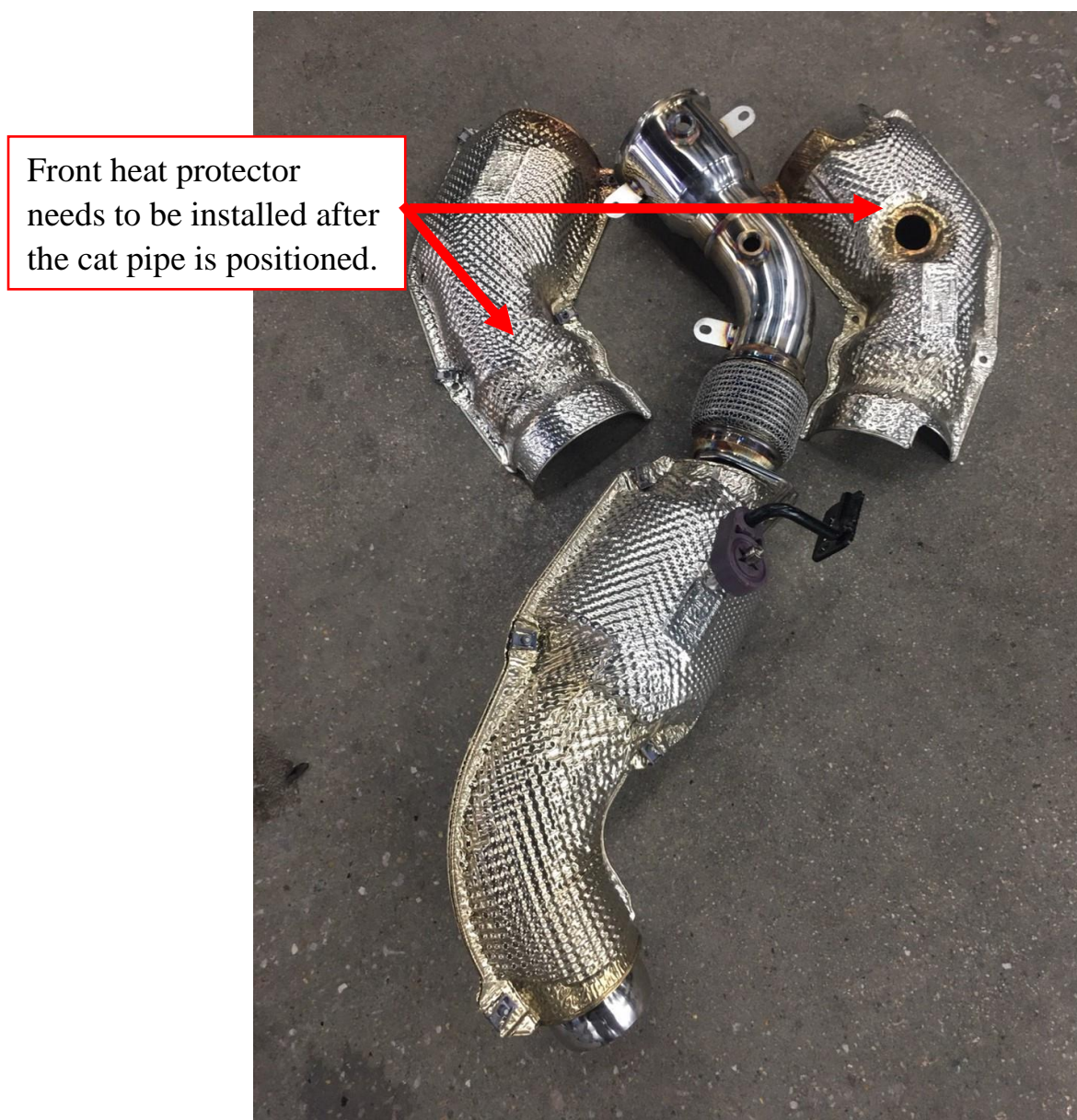


Fig. 11

Warning: lock these screws with proper torque setting.

2. Install the iPE cat pipe into position, and lock the front of the heat protector. (Fig 12)

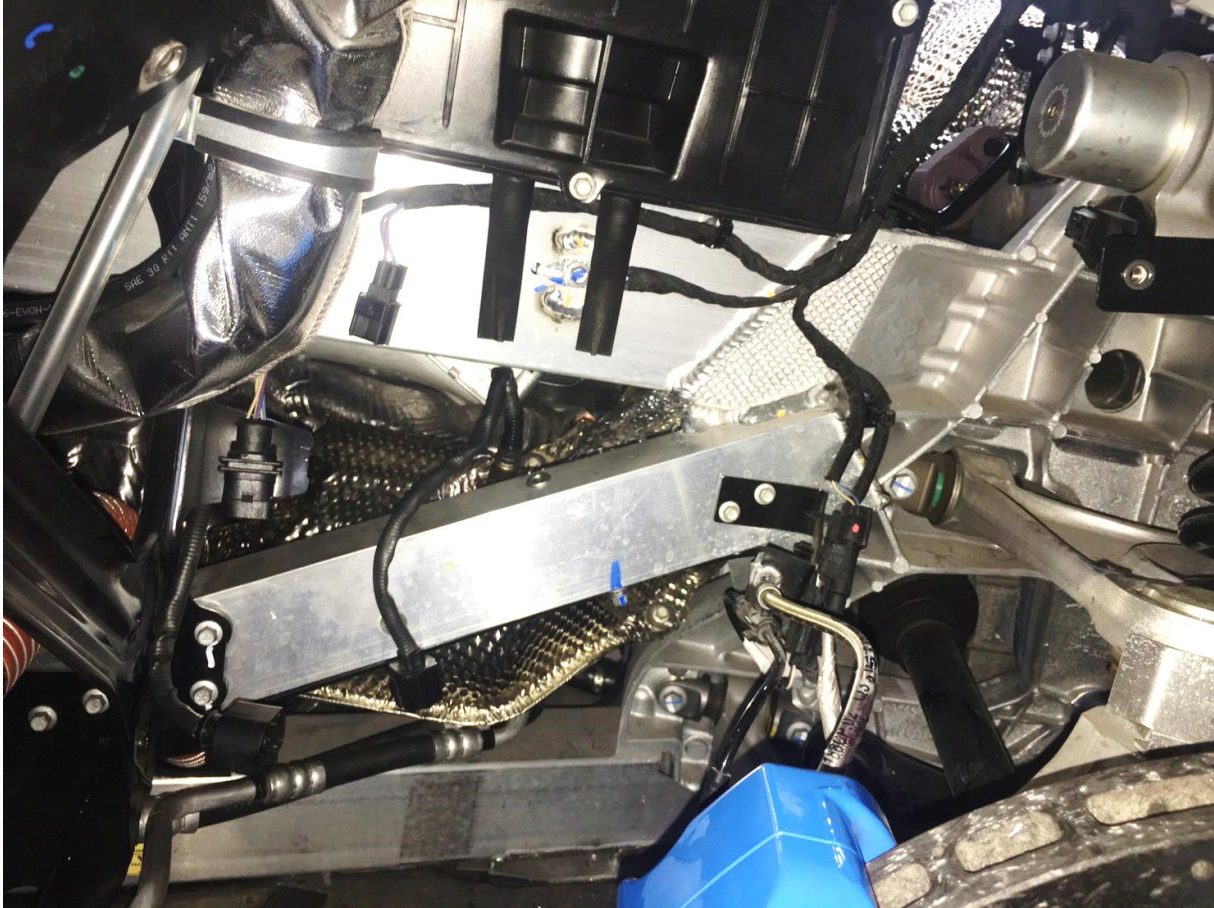


Fig. 12

Warning: lock these screws with proper torque setting.

3. Install the iPE muffler to the position.
4. Lock the entryway bushes of the muffler. (Fig 13-A)
5. Lock the gateway bushes of the muffler. (Fig 13-B)
6. Lock the clamps of entryway. (Fig 13-C)
7. The original electronic motor must be tied to the vehicle with a straps to avoid check engine lighting. (Fig 13-D)
8. Connect the rubber tube and lock the ring.(Fig 13-E)

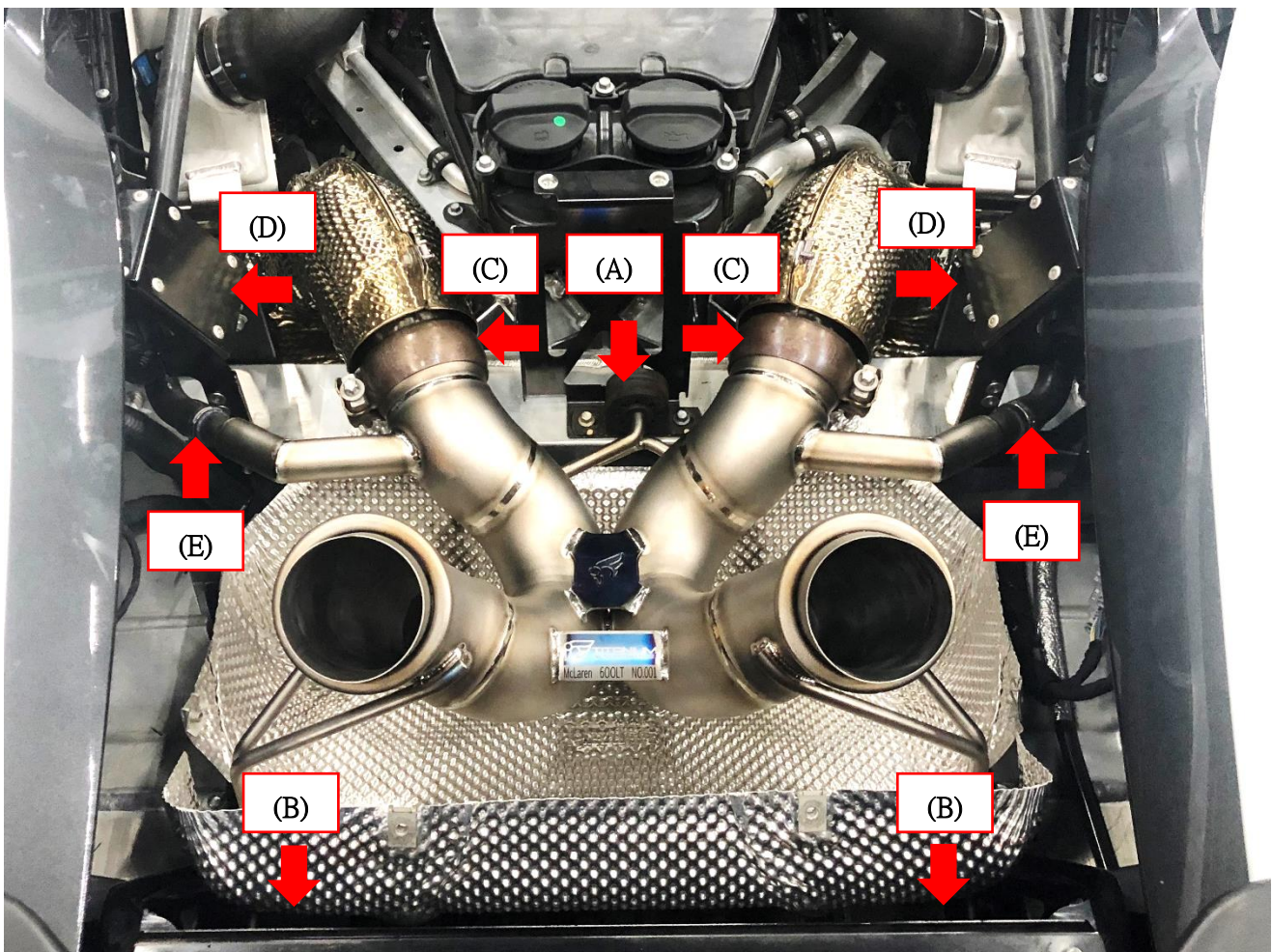


Fig. 13

Warning: lock these screws with proper torque setting.

9. Lock the exhaust heat protector to position.(Fig 14)



Fig. 14

Warning: lock these screws with proper torque setting.

10. Restore the engine cover and trim cover to position (Fig 15)

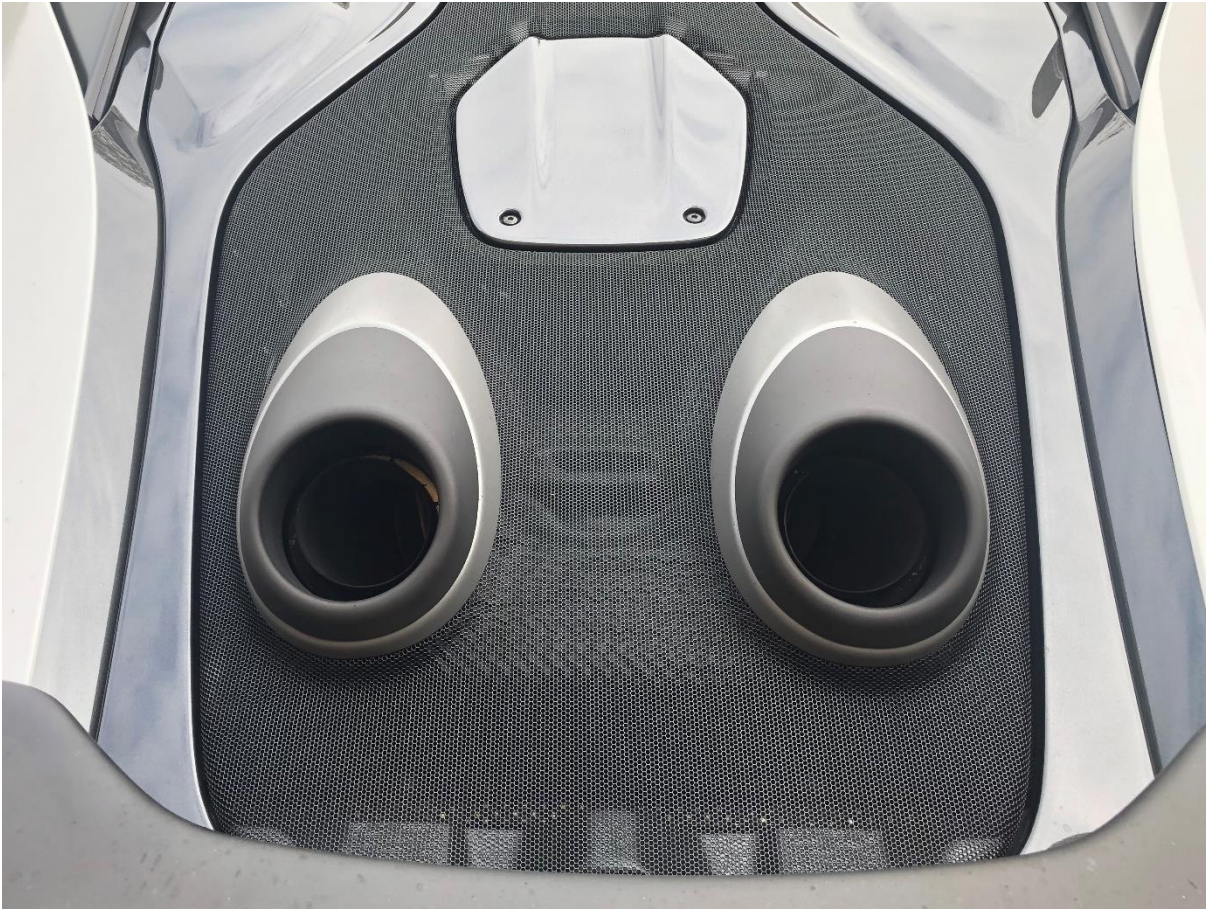


Fig. 15

Warning: lock these screws with proper torque setting.