

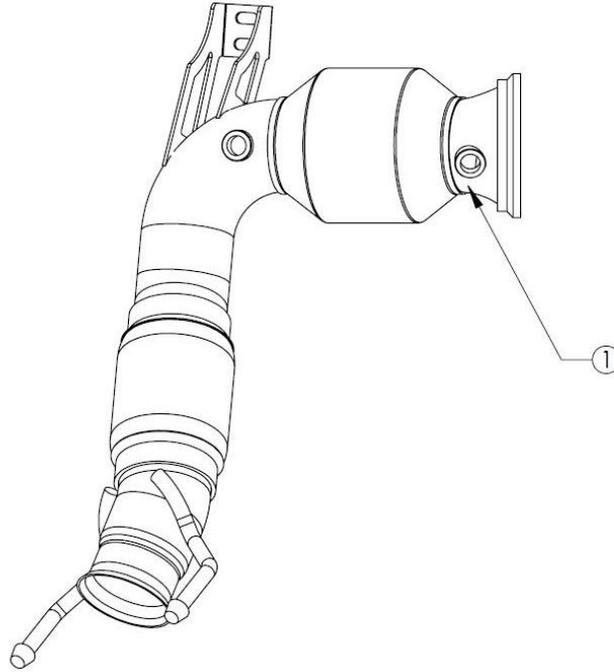


INSTALLATION INSTRUCTIONS

409SS Direct Fit Converter

MAKE: Mini
MODEL: Cooper S
YEAR: 15-20
ENGINE: 2.0L (t)

47-46306



| Item | Description | Part Number | Quantity |
|------|--------------------------------|-------------|----------|
| 1 | Direct Fit Catalytic Converter | 05-144730 | 1 |
| 2 | Warranty Card | 06-00140 | 1 |

aFe POWER recommends professional installation on this product. Thoroughly inspect the aFe POWER exhaust system to make sure there is no damage from shipping (if damage is noted, immediately contact aFe POWER customer service). Allow time for your vehicle to cool down prior to installation. When working on your vehicle proceed with caution. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation.

Install band clamps to proper torque specifications of 40-45 ft-lb.

1. **(Read instructions prior to installation.)** Secure vehicle on jack stands (refer to your manual for specified jack stand positions).
2. Disconnect the battery before starting work.
3. Support exhaust system with jacks.
4. Remove the center chassis brace by loosening the (x6) T45 Torx bolts.
5. Remove the rear subframe brace by loosening the (x2) 18mm bolts.
6. Remove the OE exhaust system by releasing the hanger rods from the bushings and undoing the V-Band clamp at the front of the exhaust system.
7. Move to the engine bay and remove the engine cover by pulling up slowly releasing the snap in plugs.
8. Remove the windshield wipers by popping off the caps revealing (x1) 16mm nut on each wiper. Pry up slowly.
9. Remove the windshield cowl by loosening (x3) 12mm plastic caps, (x6) 8mm screws, (x2) panel retainers. With a large flat head, turn the plastic trim locks counter-clockwise to release the windshield cowl. **Note: The windshield cowl is removed in two pieces.**
10. Remove the top fire wall heat shield by loosening the (x3) T30 Torx screws and opening the clip on the right side of the firewall heat shield.
11. Begin to remove the turbo inlet tube by loosening (x1) T20 Torx Screw, (x1) Clamp on the intake, and release the clip on the turbo inlet.



INSTALLATION INSTRUCTIONS

409SS Direct Fit Converter

47-46306

MAKE: Mini
MODEL: Cooper S
YEAR: 15-20
ENGINE: 2.0L (t)

12. Remove the air hoses on the turbo inlet tube by applying pressure on both ends of the clip and pulling slowly. Disconnect the plug underneath.
13. Remove the (x2) Oxygen Sensors and disconnect from the plugs. **Note: Mark sensors to ensure they are installed in their correct location.**
14. Remove the top heat shield by loosening (x7) E8 Inverted Torx bolts and (x1) 13mm bolt. Gently pull up to remove the heat shield.
15. Loosen the 13 mm bolt on the V-Band clamp for the turbo flange, and the (x2) 13mm nuts on the downpipe bracket.
16. Remove the hanger rods from the bushings and remove the downpipe from the engine bay by gently pulling up on the downpipe. **Note: Keep any wires and hoses clear from the downpipe when removing.**
17. Remove (x4) E8 Inverted Torx Bolts, and (x1) 13mm bolt to loosen the bottom heat shield. **Note: Only loosen the bottom heat shield do not remove entirely.**
18. Transfer the OE gaskets from the OE downpipe and reuse on your aFe Power Direct Fit Catalytic Converter.
19. Install the aFe Power Direct Fit Catalytic Converter from underneath and rest the aFe Power Direct Fit Catalytic Converter out of your way while you re-install the (x4) E8 Inverted Torx bolts and (x1) 13 mm bolt.
20. From the engine bay, re-install the V-Band clamp for the turbo flange and (x2) 13 mm nuts. **Note: Make nuts and bolts finger tight.**
21. Re-install the (x2) Oxygen Sensors.
22. Re-install the hangers from underneath the car.
23. Re-install the OE exhaust, once you are satisfied with the alignment now tighten all exhaust hardware, the 13mm bolt on the V-Band flange, and the (x2) 13mm nuts on the bracket.
24. Re-install the center chassis brace with the OE (x6) T45 Torx bolts.
25. Re-install the rear subframe brace with the OE (x2) 18mm bolts.
26. Re-install the turbo inlet hose by pushing down on the inlet and snapping the clip back in turbo outlet.
27. On the turbo inlet hose re-install the (x1) T20 Torx screw, the plug underneath, and the clamp on the intake.
28. Re-install top fire wall heat shield with the OE (x3) T30 Torx screws, and the clip on the right side of the fire wall heat shield.
29. Re-install the windshield cowl with the OE (x3) 12mm plastic caps, (x6) 8mm screws, (x2) panel retainers. With a large flat head, turn the plastic trim locks clockwise to secure the windshield cowl. **Note: The windshield cowl is installed in two pieces.**
30. Re-install the windshield wipers with the (x1) 16mm nuts on each wiper. Once tightened, pop the cap back on the 16mm nuts.
31. Re-install the engine cover by pushing down slowly to pop in the snap-in plugs.
32. Re-connect the battery.
33. Remove vehicle from jacks stands.
34. It is recommended to re-tighten all clamps and hardware after 50-100 miles.