



INSTALLATION INSTRUCTIONS

MAKE: MINI
MODEL: Cooper S
YEAR: 2015 - 2018
ENGINE: L4-2.0L (t) B46

**Twisted Steel
Down-Pipe**
48-36322-HC (w/Cats)



Parts Included:

- Down-Pipe (x1)
(P/N: 05-145619) (-HC)

Hardware Included:

- (P/N: 05-46018) Sensor Plug (x1)

Caution: aFe recommends professional installation on our products. Allow time for your vehicle to cool down prior to installation. When working on or under your vehicle proceed with caution. Exhaust systems reach high temperatures and may cause serious burns. Wear protective safety equipment; eye goggles and gloves to ensure a safe installation.

- Step 1:** **(Read instructions prior to installation.)** Secure vehicle on jack stands (refer to your owner's manual for specified jack stand positions).
- Step 2:** Disconnect the battery.
- Step 3:** Support exhaust system with jacks.
- Step 4:** Remove the center chassis brace by loosening the (6) T45 Torx bolts.
- Step 5:** Remove the rear subframe brace by loosening the (2) 18mm bolts.
- Step 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.
- Step 7:** Move to the engine bay and remove the engine cover by pulling up slowly releasing the snap in plugs.
- Step 8:** Remove the windshield wipers by popping off the caps revealing (1) 16mm nut on each wiper and pry up slowly.
- Step 9:** Remove the windshield cowl by loosening (3) 12mm plastic caps, (6) 8mm screws, (2) panel retainers, and 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.
- Step 10:** Remove the top fire wall heat shield by loosening the (3) T30 Torx screws and opening the clip on the right side of the firewall heat shield.
- Step 11:** Begin to remove the turbo inlet tube by loosening (1) T20 Torx Screw, (1) Clamp on the intake, and release the clip on the turbo inlet.
- Step 12:** Remove the air hoses on the turbo inlet tube by applying pressure on both ends of the clip and pulling slowly, then disconnect the plug underneath.
- Step 13:** Remove the (2) Oxygen Sensors and disconnect from the plugs.
Note: Mark sensors to ensure they are installed in their correct location.
- Step 14:** Remove the top heat shield by loosening (7) E8 Inverted Torx bolts and (1) 13mm bolt, gently pull up to remove the heat shield.
- Step 15:** Loosen the 13 mm bolt on the V-Band clamp for the turbo flange, and the (2) 13mm nuts on the down pipe bracket.
- Step 16:** Remove the hanger rods from the bushings and remove the downpipe from the engine bay by gently pull up on the downpipe. **Note: Keep any wires and hoses clear from the downpipe when removing.**



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Step 17: Remove (4) E8 Inverted Torx Bolts, and (1) 13mm bolt to loosen the bottom heat shield.

Note: Only loosen the bottom heat shield do not remove entirely.

Step 18: Transfer the OE gaskets from the OE down pipe and reuse on your aFe POWER down pipe.

Step 19: Install the aFe POWER down pipe from underneath and rest the aFe POWER down pipe out of your way while you re-install the (4) E8 Inverted Torx bolts and (1) 13 mm bolt.

Step 20: From the engine bay re-install the V-Band clamp for the turbo flange, and (2) 13 mm nuts.

Note: Make nuts and bolts finger tight.

Step 21: Re-install the (2) Oxygen Sensors and plug the auxiliary O2 bung if not being used.

Step 22: Re-install the hangers from underneath the car.

Step 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 (2) 13mm nuts on the down pipe bracket.

Step 24: Re-install the center chassis brace with the OE (6) T45 Torx bolts.

Step 25: Re-install the rear subframe brace with the OE (2) 18mm bolts.

Step 26: Re-install the turbo inlet hose by pushing down on the inlet and snapping the clip back in turbo outlet.

Step 27: On the turbo inlet hose re-install the (1) T20 Torx screw, plug underneath, and the clamp on the intake.

Step 28: Re-install top fire wall heat shield with the OE (3) T30 Torx screws, and the clip on the right side of the fire wall heat shield.

Step 29: Re-install the the windshield cowl with the OE (3) 12mm plastic caps, (6) 8mm screws, (2) panel retainers, and with a large flat head turn the plastic trim locks now clockwise to secure the windshield cowl.

Note: The windshield cowl is installed in two pieces.

Step 30: Re-install the windshield wipers with the (1) 16mm nuts on each wiper, once tightened pop the cap back on the 16mm nuts.

Step 31: Re-install the engine cover by pushing down slowly to pop in the snap in plugs.

Step 31: Congratulations your installation is now complete. It is recommended to re-check and tighten all exhaust components 50-100 miles after installation.