



Cooper S 2.5" V2 Catback Exhaust System

080807

Thank you for purchasing the ALTA Performance end links. Installation of this kit should only be performed by persons experienced in the installation and proper operation of MINI Cooper Exhaust systems.

SPEACIL NOTES:

- Use of the factory service manual, can be very helpful during the installation. These can be purchased as the dealership, or online. <http://www.realoem.com> has diagrams for the entire car, which can also be helpful.
- It is important to tighten set screws in exhaust hangers to keep system centered in bumper.
- Take time when aligning tip in bumper opening. Between adjusting the inner hanger in height, there is also some rotation that can be done. Also by loosening the flange connection, further adjusting of the tip can be had.

Parts Included with the ALTA V2 2.5" Exhaust System:

- (1) Front and Rear 2.5" Mini exhaust sections
- (1) Twin Tip SS Exhaust Tip
- (1) 2002-2003 exhaust hanger
- (1) 2004+ exhaust hanger
- (1) 10"x3" Heat Shield
- (2) 3/8" Collar clamps
- (1) 7/64" Allen wrench
- (1) ALTA V-band size 2.5"
- (1) Size 250 T-bolt clamp
- (2) 3/8-24x2" Grade 8 hex head bolt
- (4) 3/8" Grade 8 washers
- (2) 3/8-24 Grade 8 nuts

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Exhaust System Installation:

- 1) Support car on jack-stands using a suitable jack or commercial hoist to raise car. Death or injury will occur if not supported properly.
- 2) OEM exhaust system is one piece and it needs to be supported when removing. Commercial stands will aid in supporting exhaust system.
- 3) Remove the aluminum battery heat shield from the back of the car. This can be reused later.
- 4) Remove nuts from front exhaust manifold connection. Take care not to loose gasket it will be reused. Remove black center support plate by removing (6) 10mm bolts.
- 5) Muffler sections are held in place by a metal strap and 2 bolts. Remove the (2) bolts and strap to release each muffler.
- 6) Remove 2 center exhaust hangers from black center support plate. The hangers and plate will be used with the Alta exhaust.
- 7) Remove passenger side exhaust hanger bracket from rubber hangers. Leave rubber hangers on chassis. Drivers side can be removed, but not necessary.
- 8) Prepare middle section by installing 2 rubber hangers and center support plate, onto ALTA center section.
- 9) Using supplied hardware, bolt center section to exhaust manifold and support plate to chassis in one step. Don't fully tighten bolts to exhaust manifold and remember to install gasket.
- 10) Slide Tip onto rear muffler section making sure to install t-bolt clamp around tip. Leave loose until rest of system is installed.
- 11) Using support stands or a second person, hang rear muffler section to outer exhaust hanger and using supplied hardware.
- 12) Loosely install V-band clamp to connect middle section and exhaust section. Do not tighten until tips are aligned.
- 13) The inner hanger varies from 02-03 cars to 04+ cars. One hanger is parallel to the outside hanger and the other is perpendicular. Included with the exhaust is one of each hanger. Slide correct hanger into collars welded to the exhaust.
- 14) Adjust length of hanger and position until tip is even with the bumper. Take time when adjusting tip as the tip is adjustable in 4 directions. Once tips are aligned, tighten set screws holding exhaust hanger in place.
- 15) Tighten all bolts in the exhaust system making sure gaskets are in place. Re-adjust tip if necessary, by loosening hanger and or loosening rear exhaust V-band connection.
- 16) Once system is aligned correctly, install supplied locking collars behind rubber hangers. These aid in securing the exhaust to the car.
- 17) Installing the aluminum pan is optional. If you choose to leave it off, install plastic nuts on to remaining studs. If the aluminum pan is re-installed, trimming or bending is necessary in order for it to clear the exhaust system.

Special Notes:

- Some slight bending of aluminum heat shield above exhaust may be necessary in order to clear exhaust. Once installed, wiggle the tips to see if the exhaust hits the heat shield. Simply push heat shield away from area hitting.
- The exhaust tips are Chrome plated Stainless steel. Make s ure to use Chrome approved polish to clean tips. The rest of the system is 304 Stainless steel, and a polish for stainless steel works best to clean the rest.

For questions & comments please contact

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