



R56 Cooper S 3" Dual Tip Catback Exhaust System

07/08/10

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.

WARNING: This part is designed, manufactured, and sold solely for use on off-road and racing vehicles not controlled by federal and or local emissions laws. It is not intended for use on vehicles that operate on public streets and highways. Use of this part on emissions controlled vehicles may be in violation of federal or local law! ASMC, LTD. is not responsible for any damages as a result of misuse of this part. Check your local laws prior to use or installation.

SPECIAL NOTES:

- Use of the factory service manual can be very helpful during the installation. These can be purchased at 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 hanger clamps to keep system centered in bumper.
- Take time when aligning tip in bumper opening. Between adjusting the midsections rotation in relationship to the muffler, some length changes can also be done by adjusting the slip fit connection.
- A reciprocating saw is needed to complete

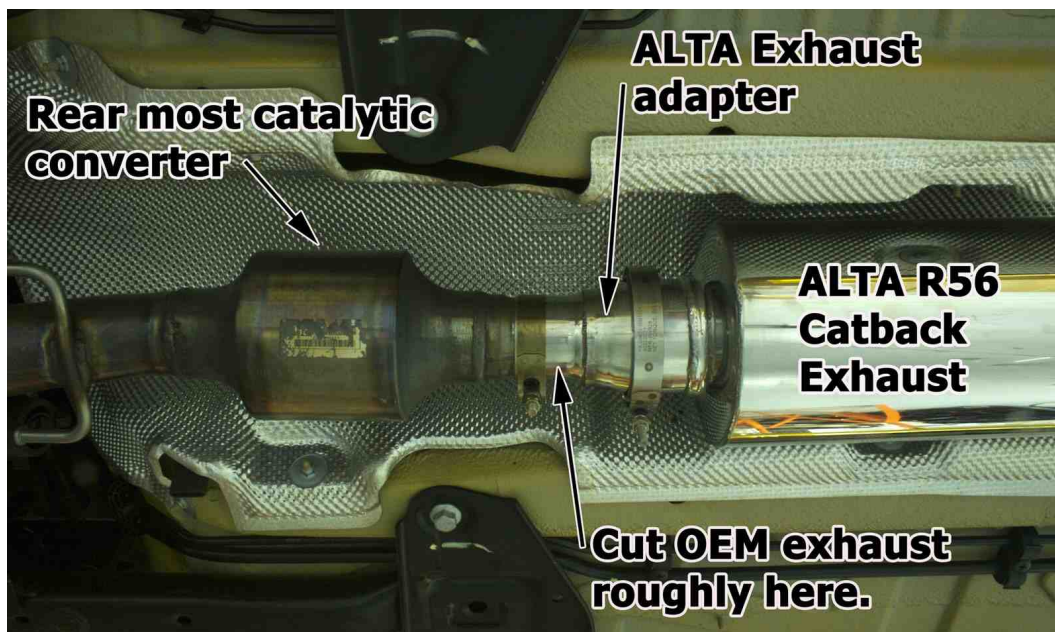
Parts Included with the ALTA R56 Exhaust System:

- (1) 2007 Mini Exhaust Midsection with Muffler
- (1) 2007 Mini Exhaust Midsection
- (1) 2007 Mini Exhaust Single Tip Muffler Section
- (3) ALTA V-band clamp
- (1) ALTA Exhaust Adapter
- (1) 225 Size T-Bolt Clamp
- (2) 3/8" Collar clamps
- (1) Allen wrench
- (1) Polish packet
- (8) M8 Flat Washers

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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) Locate and remove Black Steel Chassis brace from car. (6) 10mm bolts hold this to the chassis.
- 3) Locate area on OEM exhaust system to cut in half. This area is behind the last cat on the car. The system can be cut while bolted to car, but extreme care must be taken when cutting. We highly recommend removing the rear exhaust section to properly cut the exhaust. A reciprocating saw, or a cut off wheel, are the best ways to cut the pipe.



Picture shows Catback exhaust installed with exhaust adapter

- 4) Install supplied ALTA Exhaust Adapter to Mini Cooper Midsection on muffler side. Slide V-band clamp around and over v-bands. Install and tighten nut to snug up connection. Tighten v-band clamp to 180 in-lbs, **(not ft lbs)**!
- 5) Locate and install supplied 225 sized T-bolt Clamp on to exhaust adapter. Leave loose until system is installed.
- 6) Install muffler section into rear muffler hangers, loosely install supplied collar clamps (this will be adjusted later)
- 7) Install Midsection to Rear muffler section using supplied V-band. Slide V-band clamp around and over v-bands. Install and tighten nut to snug up connection. Leave V-band clamp loose until system is completely installed on car.
- 8) Install ALTA Midsection w/muffler to exhaust adapter, and midsection using V-band clamps. Leave clamps loose until system is installed.
- 9) If front cat section was removed (for cutting purposes), reinstall at this time.
- 10) Install black steel chassis brace back onto chassis. Depending on placement of slip fit of ALTA system, and also where the stock system is cut, it may cause some interference with muffler section. If this occurs, slide system further on to the OEM exhaust. If more cutting is needed, remove system and cut more off the OEM exhaust. Bending down the black steel bracket is also an expectable way to fix the problem.
- 11) Align exhaust system by rotating pieces to provide best clearance around the tunnel of the car. Some pushing and bending of OEM aluminum heat shield may be necessary. This will not hurt the heat shield at all.
- 12) Once aligned, Tighten v-band clamp and T-bolt clamp to 180 in-lbs **(not ft lbs)**!
- 13) To ensure exhaust stays centered in bumper opening, install supplied 3/8" collars to hangers.



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.
- Take time in adjusting system as this will pay off with perfect tip to bumper alignment.
- If you would like to make adjustments to your tips, some cutting of center black brace may be necessary. Note diagram below. Also depending on how tips are arranged, some spacing of brace may be needed. Use the included washers to space brace down.



PARTS TO GO WITH YOUR R56 CATBACK:

- *If not purchased with the catback, the ALTA 3" catalyst replacement*
- *ALTA R56 intake system*
- *ALTA PWI-1 Water injection system*

For questions & comments please contact
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