



R56 Cooper S Catback Exhaust System

2012-09-11

Thank you for purchasing this ALTA product for your car! Installation of this product should only be performed by persons experienced with installation of aftermarket performance parts and proper operation of high performance vehicles. If vehicle needs to be raised off the ground for installation, the installer must use proper jacks, jack-stands and/or a professional vehicle hoist for safety of the installer and to protect property. If the vehicle is lifted improperly, serious injury or death may occur! Please read through all instructions before performing any portion of installation. If you have any questions, please contact our tech department prior to starting installation. We can be reached in any of the following methods:

Email Tech@ALTAperformance.com

Instant Chat off the main page of www.ALTAperformance.com

Or simply call our tech team at 503-693-1702

GENERAL MODIFICATION NOTE

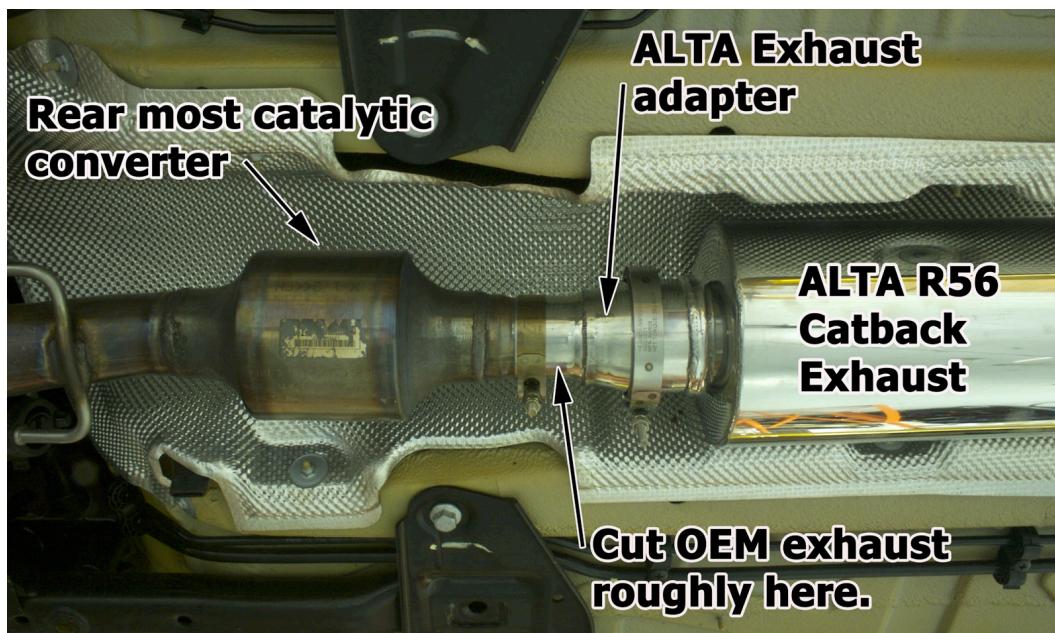
Modifications to any vehicle can change the handling and performance. As with any vehicle extreme care must be used to prevent loss of control or roll-over during sharp turns or abrupt maneuvers. Always wear seat belts, and drive safely, recognizing that reduced speeds and specialized driving techniques may be required. Failure to drive a vehicle safely may result in serious injury or death. Do not drive a vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. Some modifications (and combinations of modifications) are not recommended and may not be permitted in your state or country. Consult the owner's manual, service manual, instructions accompanying these products, and local laws before purchasing and installing these modifications. You are responsible for the legality and safety of the vehicle you modify using these components.

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.
- 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 cut OEM exhaust to accept ALTA Exhaust adapter. If you are not interested in cutting we sell a replacement lower downpipe section to turn your catback into a downpipe back system, which involves no cutting. See sales team for more details.

Parts Included with the ALTA R56 Exhaust System:

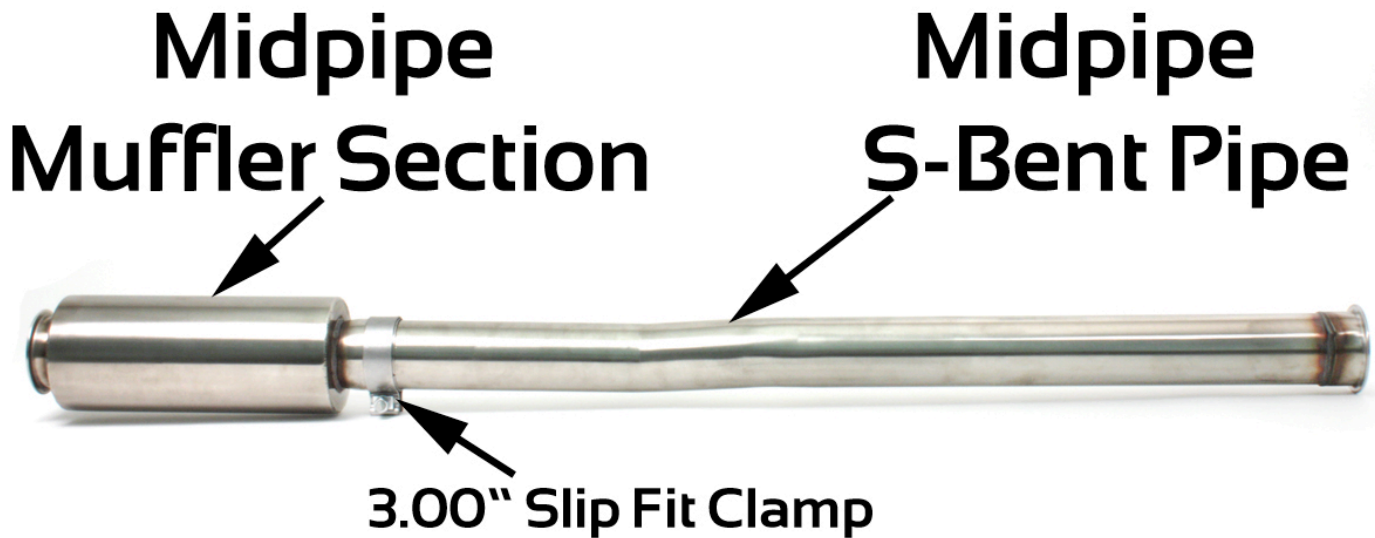
- (1) ALTA Midsection with Muffler
- (1) ALTA Midsection/ S Bend
- (1) ALTA Dual Tip Muffler Section
- (2) ALTA V-band clamp
- (1) 3" Slip Fit Clamp
- (1) ALTA Stock Exhaust Adapter
- (1) 225 Size T-Bolt Clamp
- (2) 3/8" Collar clamps
- (1) Allen wrench
- (30) M8 Flat Washers



Picture shows Catback exhaust installed with exhaust adapter

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) Under car, locate and remove Black Steel Chassis brace from car. (6) 10mm bolts hold this to the chassis.
- 3) Using above picture, locate area on OEM exhaust system to cut in half. This area is roughly 3" behind the last weld after the catalytic converter. 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.
- 4) Remove remaining exhaust system from car. **NOTE: Using spray lube on hangers can aid in removing system from car.**
- 5) Install supplied ALTA Exhaust Adapter to ALTA midsection with muffler 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)!**
- 6) Locate and install supplied 225 sized T-bolt Clamp on to exhaust adapter. Leave loose until system is installed.



- 7) Using above picture as a guide, install supplied 3" slip fit onto ALTA Mid pipe muffler section, then slide ALTA Midpipe/ S-Bent pipe into muffler section. Leave 3" Slip fit clamp loose at this time.
- 8) Install muffler section into rear muffler hangers, loosely install supplied collar clamps (this will be adjusted later).



- 9) Install ALTA midsection w/muffler to exhaust adapter using a supplied 3" V-band clamp. Then install ALTA midsection to muffler section, using supplied 3" V-band clamp. Leave both clamps loose until system is fully installed.
- 10) If front cat section was removed (for cutting purposes), reinstall at this time.
- 11) Install black steel chassis brace back onto chassis. **NOTE:** Depending on placement of slip fit of ALTA exhaust adapter 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 or using included M8 washers to space brace away from exhaust is also an acceptable way to fix the problem.



- 12) 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. **NOTE: Take note how twisting of exhaust pieces effects the alginment of system and of tips in bumper opening. Take time adjusting each piece until proper alignment is had.**
- 13) Once aligned, Tighten v-band clamp and T-bolt clamp to 180 in-lbs (**not ft lbs!**). Then tighten 3" slip fit clamp to roughly 25ft-lbs or until clamp is bottomed out on its self.
- 14) To ensure exhaust stays centered in bumper opening, install supplied 3/8" collars to hangers. You can uses these to push system left to right by preloading the hangers in different directions.
- 15) Take car for test drive and listen for exhaust leaks. If exhaust leaks are found recheck all v-band connections. **NOTE: Its normal to have a strange burning smell from the exhaust system for the first couple of days of driving.**

Questions, Comments and Suggestions Contact: Tech@ALTAperformance.com
Visit Our Website for Instant Chat Options at <http://www.ALTAperformance.com>
Call Our Tech Team at 503-693-1702