



409S Stainless Steel SYSTEM #817248

1999-2004 FORD MUSTANG COBRA
4.6L DOHC • V8 ENGINE

06/30/11

Removal:

- 1) Raise the vehicle up on a hoist or rack to working height. If you do not have access to a hoist or rack raise the vehicle and support securely with jack stands.
- 2) Remove the two nuts at the muffler to catalytic converter connections.
- 3) Separate the steel hangers from the rubber mounts at the two support points in the middle of the assembly. Disconnect the flange from the cat assembly and lower the front assembly. Slide the rear hanger out of the hanger support at the tailpipe tip. Lower the assembly from under the vehicle and set aside.

Installation:

- 1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.
- 2) Position muffler **#852549-139** into the stock location on the right side of the vehicle. Slide the hanger at the rear of the assembly into the rubber mount on the vehicle and connect the flange to the head pipe assembly. Reinstall the two nuts back onto the studs. Tighten the nuts enough to hold in place, but still allow for adjustment.
- 3) Repeat the above step for the left side assembly **#852549-138**.
- 4) Place a clamp on the slip-fit connection of right tailpipe **#16259S**. Place pipe into position and slide the hanger on the stainless tip into the rubber mount at the rear of the vehicle. Slide the front of the tailpipe over the muffler outlet and install the other two hangers on the assembly into their rubber mounts on the vehicle. Tighten clamp enough to hold in place, but still allow for adjustment.
- 5) Repeat the above step for the left side tailpipe **#16258S**.
- 6) Adjust the tailpipes for proper alignment and tighten all connections. Maintain a minimum of 3/4" clearance between the Flowmaster system, the drivetrain and chassis components, while also keeping suspension travel and vibration in mind.

- 7) After the system is secure, slide the 7/16" hanger keepers onto the ends of the hangers located at the rear of the mufflers and tailpipes and slide them up to the rubber mounts. This will prevent the hangers from slipping out of the rubber mounts.
- 8) For a more secure installation, we recommend welding all slip-fit connections.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Right Muffler	852549-139
1	Left Muffler	852549-138
1	Tailpipe, Right	16259S
1	Tailpipe, Left	16258S
1	Parts Kit	PK560
2	2 1/2" Band Clamp	
4	7/16" Hanger Keepers	
1	Instruction Sheet	



Installation diagram for:
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**AMERICAN
THUNDER**

409S. STAINLESS STEEL

