

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17248

1999-2004 FORD MUSTANG COBRA 4.6L DOHC V8

05/31/05

INSTALLATION INSTRUCTIONS

Removal:

- 1) Raise the vehicle and support it securely with jackstands.
- 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, lower the front of the assembly and then slide the rear hanger out of the hanger support at the tailpipe tip. Lower the assembly from under the vehicle and set aside. A lubricant may ease removal.

Installation:

- 1) Position muffler #952549-139 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 then connect the flange to the head pipe assembly and reinstall the two nuts back onto the studs. Tighten the nuts enough to hold in place but still allow for adjustment.
- 2) Repeat the above step for the left side assembly #952549-138.
- 3) Place the right tailpipe #16259 into position behind the right muffler and slide the hanger on the stainless tip into the rubber mount at the rear of the vehicle, then slide the front of the tailpipe over the muffler outlet. Install the other two hangers on the assembly into their rubber mounts on the vehicle . Place a clamp on the slip-fit connection and tighten enough to hold in place but still allow for adjustment.
- 4) Repeat the above step for the left side tailpipe #16258.
- 5) Adjust the tailpipes for proper alignment and tighten all connections. NOTE: Maintain a minimum clearance of 1/2" between the drivetrain, all chassis components, brake lines, and fuel lines. After the slip fit connections are secure, slide the provided 7/16" hanger keepers onto the ends of the hangers located at the rear of the mufflers and tailpipes, slide them up to the rubber mounts, this will hold the system securely in place

NOTE: FLOWMASTER RECOMMENDS WELDING ALL SLIP-FIT CONNECTIONS

PACKING LIST

Qty.	Part	Part # or Size
1	Right Muffler	952549-139
1	Left Muffler	952549-138
1	Tailpipe, Right	16259
1	Tailpipe, Left	16258
1	Parts Kit	PK342
2	2 1/2" Horseshoe clamps	MC250S
4	7/16" hangers keepers	
1	Instruction Sheet	

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