

FLOWMASTER™

AMERICAN THUNDER™ SYSTEM #17312

**1999-2004 FORD MUSTANG 4.6L V8
ALSO: 2004 FORD MUSTANG MACH 1/ BULLIT**

03/31/04

INSTALLATION INSTRUCTIONS

Removal:

- 1) Raise the vehicle and support it securely with jackstands.
- 2) Using a hacksaw or sawzall, cut the stock tailpipes off approximately 2" behind the muffler case.
- 3) Separate the steel tailpipe hangers from the rubber mounts at the front and rear of each tailpipe. A lubricant will usually ease removal. Then remove the stock tailpipes from the vehicle. It is usually necessary to raise the vehicle at the jack points to allow for removal and replacement of the tailpipes.
- 4) Support the stock mufflers with stands.
- 5) Separate the steel muffler hangers from the rubber mounts at the rear of each muffler. A lubricant will usually ease removal. Then remove the two nuts at the muffler to catalytic converter connections and remove the stock mufflers from the vehicle.

Installation:

- 1) Position muffler #952548-161 into the stock location on the right side of the vehicle and connect the hanger rod at the rear of the muffler assembly to the rubber mount on the vehicle. Then slide the flange on the pipe up to the flange on the head pipe and reinstall the stock nuts onto the studs. **Note: Loosening studs may make install easier**
- 2) Position muffler #952548-160 into the stock location on the left side of the vehicle and connect the hanger rod at the rear of the muffler assembly to the rubber mount on the vehicle. Then slide the flange on the pipe up to the flange on the head pipe and reinstall the stock nuts onto the studs. **Note: Loosening studs may make install easier**
- 3) Slip the right side tailpipe #16251 over the rear axle and into the right muffler outlet. Then connect the hanger rods on the tailpipe to their stock rubber mounts on the vehicle. Install a provided 2½" clamp and tighten enough to hold in place but still allow for adjustment.
- 4) Repeat step 3 on the left side of the vehicle using tailpipe #16250.

- 5) Adjust tailpipes for proper alignment, tighten all connections. NOTE: Maintain a minimum clearance of 1/2" between the drivetrain, all chassis components, brake lines, and fuel lines. After all 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	952548-161	
1	Left Muffler	952548-160	
1	Tailpipe, Right	16251	
1	Tailpipe, Left	16250	
1	Parts Kit	PK342	
2	2 1/2" Horseshoe clamps		MC250S
4	7/16" hangers keepers		
1	Instruction Sheet		

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