

FLOWMASTER®

DELTA FORCE®

SYSTEM #17389

1986-93 FORD MUSTANG 5.0L LX

(AND 1986 GT 5.0L)

****OFF ROAD USE ONLY****

Important: It is illegal to remove or tamper with the emission control system on vehicles that are operated on public highways. This system is intended for use only on vehicles that will be operated in off highway racing events.

07/09/04

Removal:

- 1) Unplug both left & right O2 sensor plugs on the H-pipe. Remove them with a 22mm open end wrench.
- 2) Cut the tailpipes where they exit the mufflers using a sawsall or hacksaw. Separate the rear tailpipe hangers from the rubber mounts on the vehicle. (A lubricant of some kind will make this easier.) Remove the tailpipes and set aside.
- 3) Support the mufflers with a stand. Then unbolt the flanges that connect the mufflers to the stock head pipes behind the catalytic converters. Separate the rear muffler hangers from the rubber mounts on the vehicle. Remove the mufflers and set aside.
- 4) Unbolt the clamp on the small air tube connected to the H-pipe and cut this tube about 3¾" from the end of the slip fit tube towards the front of the vehicle. Cut the tube with a hacksaw, sawsall or cut off wheel. Then use a die grinder or metal file to remove sharp edges from tube that is still attached to vehicle. (Save small clamp from air tube so you can reuse in installation)
- 5) Unbolt both Left and Right side head pipes from the factory headers and slide the complete catalytic Converter head pipe assembly back; remove and set aside.

Installation:

- 1) Place head pipes **#26188** left side and **#26189** right side into place onto the factory headers and tighten the bolts enough to hold but still allow for adjustment.
- 2) Place two **MC300R ring clamps** over the rear of the head pipes. Then slide the scavenger pipe assembly **#26190** into place onto the back of the head pipes (**installed in step 1**). Line up the hangers on scavenger pipe to the factory rubber mounts (**Note: the factory hanger mounts will need to be bent down a little for proper clearance between the trans. Crossmember and the scavenger pipe**) and slide the factory air tube into the short adapter tube attached to the scavenger pipe. Place the factory clamp onto the air tube connection. Then tighten all three clamped connections enough to hold firmly but still allow for adjustment.

- 3) Place two **MC300R ring clamps** onto the rear of the scavenger pipe assembly. Then slide the inlets of the mufflers **#953048** onto the rear of the scavenger pipe and support with a stand. Slide ring clamps over muffler inlets and tighten them enough to hold but still allow for adjustment.
- 4) Place the clamp hangers **#314HA** left side and **#315HA** right side onto the outlets of the mufflers and into the factory rubber mounts on the vehicle (a lubricant of some kind will make this easier).
- 5) Place the over-axle pipes **#26194** left side and **#26195** right side into the outlets of the mufflers. Tighten the clamp hangers (installed in step 4) enough to hold but still allow for adjustment.
- 6) Place two **MC300R ring clamps** over the rear of the over-axle pipes and tighten just enough to hold in place. Next place the tailpipes **#26196** left side and **#26197** right side into the hydro-sized end of the over-axle pipes. Slide the tailpipe hangers into the factory rubber mounts on the vehicle. Then tighten the two ring clamps enough to hold tailpipes but still allow for adjustment.
- 7) Adjust the position of all the pipes and mufflers to provide a satisfactory fit. A minimum of $\frac{3}{4}$ " **clearance** around all parts of the system must be maintained. While keeping suspension travel and vibration in mind. After adjustments have been made, you may now securely tighten all clamps (start at the front of vehicle and work your way to the rear of vehicle).
- 8) After the system is secure, reinstall the left & right O2 sensor plugs on the new head pipes and plug them in. then slide the four **7/16" hanger keepers** onto the hanger rods sticking through the rubber mounts at the rear of the muffler and tailpipes. These hanger keepers will prevent the hanger rods from slipping out of the rubber mounts.
- 9) **We highly recommend that all slip fit connections be welded after final adjustment.**

Packing list for kit #17389

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
Box 1 of 2 (5027)		
2	Mufflers	953048
Box 2 of 2 (1046)		
1	Left Inlet Pipe	26188
1	Right Inlet Pipe	26189
1	Scavenger Pipe	26190
1	Left Over-axle Pipe	26194
1	Right Over-axle Pipe	26195
1	Left Exit Pipe	26196
1	Right Exit Pipe	26197
1	Parts Kit	PK431
1	Left Clamp Hanger	314HA
1	Right Clamp Hanger	315HA
6	3.0" Ring Clamps	MC300R
4	7/16" Hanger Keepers	HW502

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3" SYSTEM

