



## **DELTA FORCE II®**

### **SYSTEM #17389**

**1986-1993 FORD MUSTANG 5.0L LX**

ALSO INCLUDES 1986 GT 5.0L

\*OFF ROAD USE ONLY\*

8/11/09

***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.***

#### **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) Unplug both left & right O2 sensor plugs on the H-pipe. Remove the sensors with a 22mm open end wrench.
- 3) 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.
- 4) 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.
- 5) Unbolt the clamp on the small air tube connected to the H-pipe and cut this tube about 3 3/4" 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. Use a die grinder or metal file to remove sharp edges from tube that is still attached to the vehicle. (Save small clamp from air tube so you can reuse in installation.)
- 6) Unbolt both the 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) 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) Place left head pipe **#26188** and right head pipe **#26189** into place onto the factory headers and tighten the bolts enough to hold in place, but still allow for adjustment.

- 3) Place two **#MC300R** ring clamps over the rear of the head pipes. Slide the Scavenger pipe assembly **#26190** into place onto the back of the head pipes (installed in Step 2). Line up the hangers on the 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*). Slide the factory air tube into the short adapter tube attached to the Scavenger pipe. Place the factory clamp onto the air tube connection. Tighten all three clamped connections enough to hold in place, but still allow for adjustment.
- 4) Place two **#MC300R** ring clamps onto the rear of the scavenger pipe assembly. Slide the inlets of the mufflers **#953048** onto the rear of the scavenger pipe and support with a stand. Slide ring clamps over the muffler inlets and tighten them enough to hold, but still allow for adjustment.
- 5) Place clamp hangers **#314HA** and **#315HA** onto the outlets of the mufflers and into the factory rubber mounts on the vehicle. (A lubricant of some kind will make this easier.)
- 6) Place the over-axle pipes **#26194** and **#26195** into the outlets of the mufflers. Tighten the clamps (installed in Step 4) enough to hold, but still allow for adjustment.
- 7) Place two **#MC300R** ring clamps over the rear of the over-axle pipes and tighten just enough to hold in place. Place the tailpipes **#26196** and **#26197** into the end of the over-axle pipes. Slide the tailpipe hangers into the factory rubber mounts on the vehicle. Tighten the two ring clamps enough to hold the tailpipes, but still allow for adjustment.
- 8) Adjust the position of all muffler, pipes and tips to provide a satisfactory fit. 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.
- 9) Install O2 sensors and reconnect to the wiring harness.
- 10) Tighten down all clamped connections securely. After the system is secure, slide the 1/2" hanger keepers onto the end of the inlet pipe and left rear muffler hanger. Slide the 7/16" hanger keepers onto the rear tailpipe and frame hangers. This will prevent the hangers from slipping out of the rubber mounts.
- 11) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.

### Packing list

| <u>Qty</u>               | <u>Description</u>   | <u>Part#</u> |
|--------------------------|----------------------|--------------|
| <b>Box 1 of 2 (5027)</b> |                      |              |
| 2                        | Mufflers             | 953048       |
| <b>Box 2 of 2 (1046)</b> |                      |              |
| 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" Ring Clamps       | MC300R       |
| 4                        | 7/16" Hanger Keepers | HW502        |



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Installation diagram for:  
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