

FLOWMASTER™

FORCE II™

CONVERSION KIT #15100

1989-1996 FORD THUNDERBIRD/MERCURY COUGAR

**NOTE: For use with Base System #17100 or #17111.(sold separately)
LX V-6, SuperCoupe, XR-7 Installation instructions.**

12/21/04

Removal:

- 1) Raise vehicle and support securely with jackstands.
- 2) Use a 5/16" socket wrench to remove the four (4) bolts on the cross brace behind the resonator and remove the cross brace.
- 3) Support the rear section of the system with jackstands or a sturdy box and separate the four rubber hangers from the hanger brackets. One rubber hanger supporting each muffler, and the two supporting the main pipe. Leave these hangers on the vehicle, they will be used with the **FLOWMASTER** System. Lubrication will ease removal.
- 4) Remove the bolts at the resonator and main pipe flanged connection. Carefully lower the stock system and remove it from under the vehicle. (The stock resonator will still be on the vehicle).
- 5) Mark the resonator inlet pipes twelve inches (12) from the front edge of the stock resonator case. Cut pipes on these marks and de-burr edges. Be very accurate when measuring- Measure twice and cut once.(see Figure A).

Installation:

- 1) Slide FLOWMASTER resonator #15100 onto the pipes you just cut, while guiding bar hangers into existing rubber mounts. Install the 2" horse shoe clamps; do not tighten. It may be necessary to use a rubber mallet to adjust the resonator into the proper position.
- 2) Install FLOWMASTER main pipe #16000 or #16003 onto resonator outlet and mount the two (2) rubber hangers onto the main pipe brackets. Install 2 1/2" horseshoe clamp; tighten lightly to allow for adjustment.
- 3) Bolt cross brace back into stock position behind the FLOWMASTER resonator.
- 4) Using the bolts provided, connect FLOWMASTER Y-pipe #16001 to the main pipe #16000/16003; tighten lightly to allow for adjustment.

- 5) Install muffler #942454-104 to the left side of the Y-pipe and connect the rubber hanger to the muffler bracket. Install 2 1/4" horseshoe clamp; tighten lightly to allow for adjustment.
- 6) For LX V-6 vehicles, bolt hanger bracket #101HA to the right frame rail. The mounting position of the bracket is identical to the stock bracket on the left side of vehicle. Install rubber hanger onto the hanger bracket.
- 7) Install muffler #942454-103 to the right side of the Y-pipe and connect the rubber hanger to the muffler bracket. Install 2 1/4" horseshoe clamp; tighten lightly to allow for adjustment.
- 8) Raise the rear of the resonator #15100 and hold in position before tightening the 2 1/2" clamp. This provides extra clearance over the cross brace.
- 9) Adjust positioning of pieces to ensure proper alignment of the system. Tighten all connections. NOTE: Maintain a minimum of a 1/2" clearance between the **FLOWMASTER** System and drive train components, all chassis components, brake lines and fuel lines.

CONVERSION KIT #15100 - PACKING LIST

<u>Qty</u>	<u>Part</u>	<u>Part # or Size</u>
1	Resonator	#15100
1	Parts kit	PK101
2	Saddle Clamp(s)	MC200S
1	Hanger Bracket, Right	#101HA
1	Rubber Hanger, Right	#HA168

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LX, V6, SUPERCOUPE, XR7

