

FLOWMASTER™

FORCE II™

BASE SYSTEM #17100

1989-1991 FORD THUNDERBIRD/MERCURY COUGAR

NOTE: For LX V-6 and supercharged vehicles, use Base System #17100 and Conversion Kit #15100.(#17100 and #15100 are sold separately).

V-8 INSTRUCTIONS

11/12/03

REMOVAL:

- 1) Raise vehicle and support securely with jackstands.
- 2) Use a 5/16 socket wrench to remove the four (4) bolts on the crossbrace behind the resonator and remove the crossbrace.
- 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.
- 5) Remove the 2 1/4" clamp from in front of the stock resonator and remove the resonator. It may be necessary to heat the connection with a torch to ease removal. USE EXTREME CAUTION.

INSTALLATION:

- 1) Position connector pipe #16002 in place of the stock resonator and install a 2 1/4" horseshoe clamp. Do not tighten.
- 2) Install FLOWMASTER main pipe #16000 onto the connector pipe #16002 and mount two rubber hangers onto the main pipe bracket.
- 3) Bolt crossbrace back into stock position.
- 4) Using the bolts provided, connect FLOWMASTER Y-pipe #16001 to the main pipe #16000; tighten lightly to allow for adjustment.
- 5) Install muffler #942454-104 to the left side of the Y-pipe and connect rubber hanger to the muffler bracket. Install 2 1/4" horseshoe clamp; tighten lightly to allow for adjustment.

- 6) Install muffler #942454-103 to the right side of the Y-pipe and connect rubber hanger to the muffler bracket. Install 2 1/4" horseshoe clamp; tighten lightly to allow for adjustment.
- 7) Adjust position of pieces to ensure proper alignment of the system. Tighten all connections. **Note:** Maintain a minimum of 1/2" clearance between **FLOWMASTER** system and drivetrain components, brake lines and fuel lines.

Note: We strongly recommend welding all slip-fit connections.

Base System #17100 - Packing List

<u>Qty</u>	<u>Part</u>	<u>Part# or Size</u>
1	Muffler,Left	942454-104
1	Muffler,Right	942454-103
1	Main Pipe	16000
1	Y-Pipe	16001
1	Connector Pipe	16002
1	Parts Kit	PK100
3	2 1/4" Clamp	MC214S
1	2 1/2" Clamp	MC250S
2	Bolt(s)	3/8" X 2 1/2"
4	Flat Washer(s)	3/8"
2	Nut(s)	3/8"
2	Lock Washer(s)	3/8"



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V8 INSTALLATION DIAGRAM*

NOTE: V8 INSTALLATION DIAGRAM

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SUPERCHARGED VEHICLES
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& CONVERSION KIT #15100*

