

FLOWMASTER™

FORCE II™ SYSTEM #17135 FORD F-150 1987-1996 117" W.B., 133" W.B., 139" W.B., 155" W.B. 4.9 L, 5.0 L, 5.8 L, ENGINES

04/14/97

Removal:

- 1.) Raise the vehicle and support securely with jack stands.
- 2.) Apply a penetrating lubricant to muffler clamp nuts at the catalytic converter connection, and the (3) three rubber hangers that support the rear of the system. (this will greatly ease the removal)
- 3.) With a 15 mm wrench, remove the muffler clamp at the catalytic converter to muffler connection.
- 4.) Put a stand under the rear of the system to support it when the rubber hangers are disconnected.
- 5.) Using a pry bar, disconnect the (3) three rubber hangers at the rear of the system.
- 6.) Slide the system back to separate the muffler from the catalytic converter. It may be necessary to heat the connection with a torch to loosen it, USE EXTREME CAUTION.
- 7.) Remove the system from under the vehicle.

Installation:

- 1.) Slip pipe #TB220 onto the rear of the catalytic converter, and install a 2 1/4" clamp, tighten down securely.
- 2.) Pipe #TB221 must be trimmed for use on these applications:
133" W.B. - Cut 22" off of non-slip fit end.
139" W.B. - Cut 16" off of non-slip fit end.
117" W.B. - Pipe #TB221 can be discarded.
- 3.) (117" W.B. skip this step) - slip pipe #TB221 onto the end of pipe #TB220, and install a 3" clamp; tighten lightly.
- 4.) Raise muffler #53070 into position and connect to pipe #TB221. (Be sure to install inlet forward.) Install a 3" clamp, and tighten lightly.

- 5.) Place pipe #26021 in position over the rear axle. Slip into the rear of the muffler, and connect the (3) three rubber hangers to support the pipe. Install a 3" clamp and tighten lightly.
- 6.) Slip pipe #26022 onto the rear of #26021. Install a 3" clamp and tighten lightly.
- 7.) Adjust the position of the pipes and muffler to achieve a satisfactory fit. (The muffler will fit at a angle.) Be sure to allow adequate clearance for suspension travel, vibration etc.
- 8.) Attach the heat shield to the top of the muffler by wrapping and firmly tightening the four band clamps around the muffler body using a 8mm socket or standard screwdriver.
- 9.) Tighten down all clamped connections securely. Note: for a cleaner fit, the slip fit connections can be welded, and the clamps removed. After the system is secure, slide the 7/16" hanger keepers onto the end of the hangers welded to the over axle pipe. This will prevent the hangers from slipping out of the rubber mounts.

PACKING LIST FOR FORCE II #17135

<u>QTY.</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>
(1)	Adapter Pipe	TB220
(1)	Connector Pipe	TB221
(1)	Muffler	53070
(1)	Over axle Pipe	26021
(1)	Exit Pipe	26022
(1)	Heat shield Kit	51022
(1)	Parts Kit	PK309
(4)	3" Muffler Clamps	MC300G
(1)	2 1/4" Muffler Clamp	MC214S
(3)	7/16" Hanger Keepers	
(1)	Instruction Sheet	

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1987-96 FORD F-150 TRUCKS

117", 131", 139" AND 155" WHEELBASES

4.9L, 5.0L AND 5.8L ENGINES

