

# **FLOWMASTER™**

## **FORCE II™**

**SYSTEM #17229**

**1999-04 FORD F-250, 133" AND 155" W.B.**

**ALSO CREW CAB/ F-350 168.4"W.B WITH V10/V8 ENGINES**

6/29/04

### **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) Loosen 3" band clamp, first one forward from front of muffler, then slip muffler and tailpipe off (you may need to heat connection up with torch to make removal easier). Remove bottom bolt on shock to get system off in one piece if desired. Or you can cut tailpipe off between muffler and rear-end and leave shock bolt alone.
- 3) Support the muffler with a jack stand or muffler stand to support it when hangers are removed from rubber mounts or tailpipe is cut off.
- 4) Cut the tailpipe off where it exits the muffler. Then using a pry bar separate the four rubber hangers that support the stock exhaust system, one at inlet of muffler, two directly behind the muffler and one at the rear of the tailpipe. A lubricant such as WD40 or lithium grease will ease separation.
- 5) Carefully remove the stock tailpipe and muffler from the vehicle and set aside.

### **Installation:**

- 1) Connect the hanger/clamp assembly #217HA to the two rubber mounts on the vehicle where the stock muffler hanger was located.
- 2) Install inlet pipe #TB315 onto the back of the stock inlet pipe and clamp using the 3" clamp provided, tighten enough to hold in place, but still allow for adjustment.
- 3) Slip the inlet of the muffler #53073 onto the back of the inlet pipe #TB315 and install the 3" clamp provided. Place the rear of the muffler into the clamp hanger #217HA. Tighten the clamp on the inlet enough to hold in place but still allow for adjustment.
- 4) Insert tailpipe #26100 into the outlet of the muffler then insert the hanger welded to the rear of the tailpipe into the stock hanger mount on vehicle. Then tighten down the clamp hanger enough to hold but still allow for adjustment.
- 5) Place exit pipe #26105 on the end of #26100. Place a 3" clamp tighten enough to hold but still allow for adjustments.

- 6) Adjust the position of the muffler and tailpipe to provide adequate clearance for suspension travel. Maintain a minimum of  $\frac{3}{4}$ " clearance between the Flowmaster system and the drivetrain, all chassis components, brake lines and fuel lines.
- 7) 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  $\frac{7}{16}$ " hanger keepers onto the clamp hanger at the rear of the muffler. Also slide the  $\frac{1}{2}$ " hanger keeper onto the hanger welded to the rear of the tailpipe. This will prevent the hangers from slipping out of the rubber mounts.

Note: We recommend welding all slip fit connections

### Packing List for Force II System #17229

Qty	Description	Part #
1	Inlet pipe	TB315
1	Muffler	53073
1	Tailpipe	26100
1	Exit pipe	26105
1	Part kit	PK326
1	Clamp hanger	217HA
3	3" clamps	MC300G
2	$\frac{7}{16}$ " Hanger keeper	
1	$\frac{1}{2}$ " Hanger Keeper	

**FLOWMASTER Products Are  
Proudly Manufactured  
In America** 

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