



FORCE II
409S® Stainless Steel
SYSTEM #817532
1998-2002 DODGE RAM 2500 & 3500 TRUCKS
5.9L CUMMINS TURBO DIESEL

12/06/11

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) Using a hacksaw or sawsall, cut the stock system just behind the cross member and also behind the muffler case.
- 3) Use a pry bar to separate the stock hangers from the rubber mounts on the vehicle. (A lubricant of some type will usually make this a little easier.) Once the six hangers have been separated, both the muffler and tailpipe can then be removed.
- 4) Using a ratchet wrench with a long extension, remove the two bolts at the turbo flange. This will allow the down pipe to be pulled down and back out of the rubber mount that supports it. The down pipe will then come out to the rear with a little creative twisting and turning.

Installation:

- 1) Slide the upper down pipe section **#46025S** up into position on the turbo and connect the flange using the original bolts. Snug the bolts up, but don't fully tighten until the remainder of the system is installed. Place a provided 4" clamp onto the bottom of the downpipe in preparation for the next step.
- 2) Slide the lower down pipe section **#46027S** into the upper down pipe. Tighten the clamp enough to hold but still allow for adjustment.
- 3) Install hanger clamp **#434HA** onto the single rubber hanger toward the front of the system in the cross member area. Install the dual hanger clamp assembly **#435HA** located at roughly the mid point of the system.
- 4) Slide the **#46028S** extension pipe into position over the down pipe. Support the rear of this assembly with the clamp hanger that was installed in the previous step. (For 138" w.b. trucks, 16.0" will need to be trimmed off the back of this pipe before installing.)
- 5) Place the muffler onto the rear of the extension pipe and support with a stand. Tighten the clamp hanger enough to hold but still allow for adjustment.

6) Place a provided 4" clamp onto the muffler outlet then place tailpipe **#46026S** into position over the axle and into the muffler outlet. Connect the four hangers on the pipe to the rubber mounts on the vehicle. Tighten the clamp enough to hold but still allow for adjustment.

7) Adjust the position of the muffler and pipes 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.

8) Tighten down all clamped connections securely. After the system is secure, slide the 7/16" hanger keepers onto the hanger rods. This will prevent the hangers from slipping out of the rubber mounts.

9) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Upper Down pipe	46025S
1	Lower Down pipe	46027S
1	Extension Pipe	46028S
1	Muffler	14020100-Z
1	Tail Pipe	46026S
1	Parts Kit	PK600
1	Front Hanger Assembly	434HA
1	Muffler Inlet Hanger	435HA
2	4" Band Clamps	MC400SB
6	Hanger Keepers 7/16"	



Installation diagram for:
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