

FLOWMASTER™

American Thunder™

SYSTEM #17402

2003-07 DODGE RAM 2500/3500 SERIES TRUCKS

ALSO FITS: 2006-07 DODGE MEGA CAB TRUCK

5.9L HIGH OUTPUT CUMMINS DIESEL ENGINE, ALL WHEELBASES
CAT CONVERTER BACK SYSTEM

11/29/07

Removal:

1. Raise the vehicle to working height and support securely with stands.
2. To make the removal of the stock system easier, you may choose to cut the stock tailpipe off where it exits the muffler, this can be done using a hacksaw or sawsall. After cutting, remove the hanger at the rear of the tailpipe from the rubber mount on the vehicle and set the tailpipe aside. This step is not mandatory, but makes removal easier.
3. Remove the clamp on the muffler inlet, after removing the clamp this connection will have to be either heated or sliced to allow for removal. Use a pry bar to separate the two hangers at the rear of the muffler along with the hanger in front of the muffler from the rubber mounts on the vehicle. (a lubricant of some type on the hangers will make removal easier) Remove the muffler assembly from the vehicle.

Installation: (If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.) Note: before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.

1. Place adapter pipe #TB456 onto the rear of the factory pipe from the catalytic converter, line up the notch in the adapter pipe with the tab on the factory pipe.
2. Slip muffler #954056 onto the rear of the adapter pipe and support with a stand. Then connect clamp hanger assembly #321HA to the rubber mount at the muffler inlet connection. Tighten the clamp just enough to hold in position.
3. Place tailpipe #46056 into position over the axle, slide the rear hanger into the rubber mount on the vehicle and then into the muffler outlet. Connect the two hangers at the front of the pipe to the rubber mounts on the vehicle. Tighten the ring clamp on this connection enough to hold but still allow for adjustment.
4. Place exit pipe #46042 onto the back of over axle pipe #46056, adjust to the desired distance from the fender and tighten clamp enough to hold.

5. The system should now be adjusted to achieve a proper fit. Once you are satisfied with the fit, all clamps should be tightened at each of the slip fit connections. Although not required, we highly recommend that all connections be fully welded after installation.

Note: We recommend welding all slip fit connections.

PACKING LIST FOR KIT #17402

<u>Qty.</u>	<u>Description</u>	<u>Part#</u>
1	Adapter Pipe	TB456
1	Muffler	954056
1	Tail Pipe	46056
1	Exit Pipe	46042
1	Parts Kit	PK438
1	Clamp/Hanger Assembly	321HA
3	4" Ring Clamps	MC400R

AMERICAN THUNDER 4" SYSTEM #17402
2003-07 DODGE RAM 2500/3500 SERIES TRUCKS
5.9L HIGH OUTPUT CUMMINS TURBO DIESEL ENGINE
ALL WHEELBASES INCLUDING 2006-07 MEGA CAB MODELS

