

FLOWMASTER™

FORCE II™

SYSTEM #17405

2005-08 DODGE MAGNUM RT/CHRYSLER 300C

(INCLUDES ALL WHEEL DRIVE)

ALSO FITS: 2006-08 DODGE CHARGER RT

FITS: 5.7L V8 HEMI

Removal:

12/18/07

- 1) Raise vehicle and support securely with stands. To ease the removal of the stock system, spray a penetrating lubricant onto the rubber hangers.
- 2) Using a **13mm** socket unbolt the left tailpipe assembly at the flanged connection at the rear of the muffler. Then slide the three hangers out of the rubber mounts on the vehicle and remove the left tailpipe assembly (a penetrating lubricant on the hangers will make it easier to remove).
- 3) Then using a **13mm** socket, unbolt the body brace between the catalytic converters and the muffler assembly. (Save this brace and the 4 nuts for reinstallation after the Flowmaster system is installed)
- 4) Support the muffler with a stand; then using a **15mm** socket; loosen the clamps at the slip fit connections behind the catalytic converters. Then remove the hangers from the rubber mounts on the right tailpipe and slide the system back off of the head pipes and set aside.

Installation: (If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high tempature 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) Begin by placing supplied ring clamp **#MC250R** onto each of the slip fits of Scavenger pipe **#16466**. Then place the Scavenger pipe onto the back of the stock head pipes (**make sure the Flowmaster embossing is facing the ground**). Level and center the assembly in the drive line tunnel and support with a stand. Tighten the two clamps enough to hold but still allow for adjustment. Then reinstall the body brace using the nuts removed in step 3 (**make sure there is clearance between the scavenger pipe and the cross-member**).
- 2) Again, place a supplied ring clamp **#MC250R** onto the inlet of each muffler **#952546**. Then slide the mufflers onto the back of the scavenger pipe assembly. Level the mufflers and tighten the clamps enough to hold but still allow for adjustment.

- 3) Place a supplied ring clamp #MC250R onto the left muffler outlet, then place left tailpipe #15132 into position and slide the hangers into the factory rubber mounts, then slide tailpipe into the muffler outlet. Rotate so hangers are level and tighten clamp enough to hold but still allow for adjustment. Repeat this step for right tailpipe #15133.
- 4) Take stainless tips #ST339 and slide them onto the outlets of the resonators that are part of the tailpipes. Adjust to satisfactory fit and tighten hose clamps enough to hold but still allow for adjustment. We recommend welding on the tips after final adjustments have been made.
- 5) Adjust the position of all the pipes and mufflers to provide a satisfactory fit. **A minimum of 1/2" clearance** around all parts of the system must be maintained; while keeping suspension travel and vibration in mind. After adjustments have been made, you may now securely tighten all clamps. For a cleaner appearance, connections can be welded.
- 6) After the system is secure, slide the 7/16" hanger keepers onto the ends of the hangers located at the rear of the vehicle. These will prevent the hangers from slipping out of the rubber mounts.

We strongly recommend welding all slip-fit connections.

PACKING LIST

<u>Qty..</u>	<u>Description</u>	<u>Part#</u>
BOX 1 OF 2 (5025)		
2	Mufflers	952546
BOX 2 OF 2 (1049)		
1	Scavenger Assembly	16466
1	Left Tailpipe	15132
1	Right Tailpipe	15133
2	Stainless Tips	ST339
1	Parts Kit	PK443
6	2½" Ring Clamp	MC250R
6	7/16" Hanger Keepers	HW502

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