



409S Stainless Steel **SYSTEM #817438**

2003-2008 DODGE RAM 2500/3500 SERIES TRUCKS
5.7L HEMI • ALL W.B.
ALSO FITS 2005-2008 1500 SERIES MEGA CAB TRUCKS

11/24/10

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) To make the removal of the stock system easier, using a hacksaw or sawsall cut the stock tailpipe off where it exits the muffler. 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) Support the muffler with a stand and remove the two hangers at the rear of the muffler along with the hangers in front of the muffler from the rubber mounts on the vehicle. Then remove the clamp on the slip connection just behind the catalytic converter. Remove the muffler and set aside.

Installation

- 1) 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.
- 2) For Quad cab-long bed models, place inlet pipe **#26144S** onto the stock front pipe just behind the catalytic converter. For Quad cab-short bed and Standard cab-long bed models, 20" must be trimmed from the rear of pipe **#26144S** before installing. Be sure to line up the notch in the pipe with the tab on the front pipe.
- 3) Place clamp hanger **#392HA** onto the inlet of the muffler **#8530572-Z**, and then slip the muffler onto the inlet pipe. Slip the hanger rod into the rubber frame mount, and tighten clamp just enough to hold in place.
- 4) At the rear of the frame on the drivers side of the vehicle (next to spare tire) there is an over sized slotted hole that goes through both sides of the frame. Using this hole, connect frame hanger **#280HA** to the outside of the frame using the 3/8" x 4" bolt, nut, washer and the **#HA226** as a backing plate on the inside of the frame. Make sure the hanger is straight up and down; then tighten securely.

- 5) Place rubber hanger **#HA168** onto the bottom of frame hanger **#280HA**.
- 6) Place two 2-1/2" clamps onto the mufflers outlets; then install the right side tailpipe **#16415S** into position over the axle and slip into the right side muffler outlet. Connect the hangers at the front and rear of the pipe to the rubber mounts on the vehicle. Tighten the outlet clamp just enough to hold in position.
- 7) Place the front section of the left side tailpipe **#16413S** into the left side muffler outlet and connect the hanger on the pipe to the rubber mount on the vehicle. Tighten the outlet clamp just enough to hold in position.
- 8) Place a 2-1/2" clamp onto the slip-fit on the rear section of the left side tailpipe **#16414S**; then place the pipe onto the back of the front section by sliding the two sections together at the slip-fit connection over the rear axle. Place the hanger at the rear of the tailpipe into the rubber mount installed in Step 4 above. Tighten the clamp just enough to hold the pipes in position.
- 9) Slide either the side exit pipe **#16317S** or the rear exit pipe **#16397S** on the ends of both over-axle pipes. Place a 2-1/2" clamp onto these slip-fit connections. Tighten enough to hold, but still allow for adjustment. Place the two stainless tips **#ST396** onto the exit pipes and tighten the clamps enough to hold, but still allow for adjustment. Rotate the exit pipe and tip to the desired distance from the fender so the angle cut on the tips are in desired location.
- 10) Adjust the position of all pipes and muffler to provide a satisfactory fit. A minimum 3/4" clearance around all parts of the system must be maintained; while also keeping suspension travel and vibration in mind.
- 11) Tighten all clamped connections down securely. Slide the 7/16" hanger keepers onto the end of the hangers at the rear of the vehicle on the driver's side to prevent the hangers from slipping out of the rubber mounts.
- 12) 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	Adapter pipe	26144S
1	Muffler	8530572-Z
1	Right Tailpipe	16415S
1	Left Tailpipe, Front Section	16413S
1	Left Tailpipe, Rear Section	16414S
2	Side Exit Pipe (R/L)	16317S
2	Rear Exit Pipes (R/L)	16397S
2	Stainless Tip	ST396
1	Parts kit	PK523
5	2 1/2" Band clamp	MC250BS
1	3" Band clamp	MC300BS
1	Frame Hanger	280HA
1	Clamp Hanger	392HA
1	Backing Plate	HA226
1	Rubber hanger	HA168
1	3/8"x 4" bolt	HW220
1	3/8" Nut	HW103
1	3/8" lock washer	HW309
2	7/16" Hanger Keepers	HW502
1	3/8" Flat Washer	HW303



Installation diagram for:

SYSTEM #817438

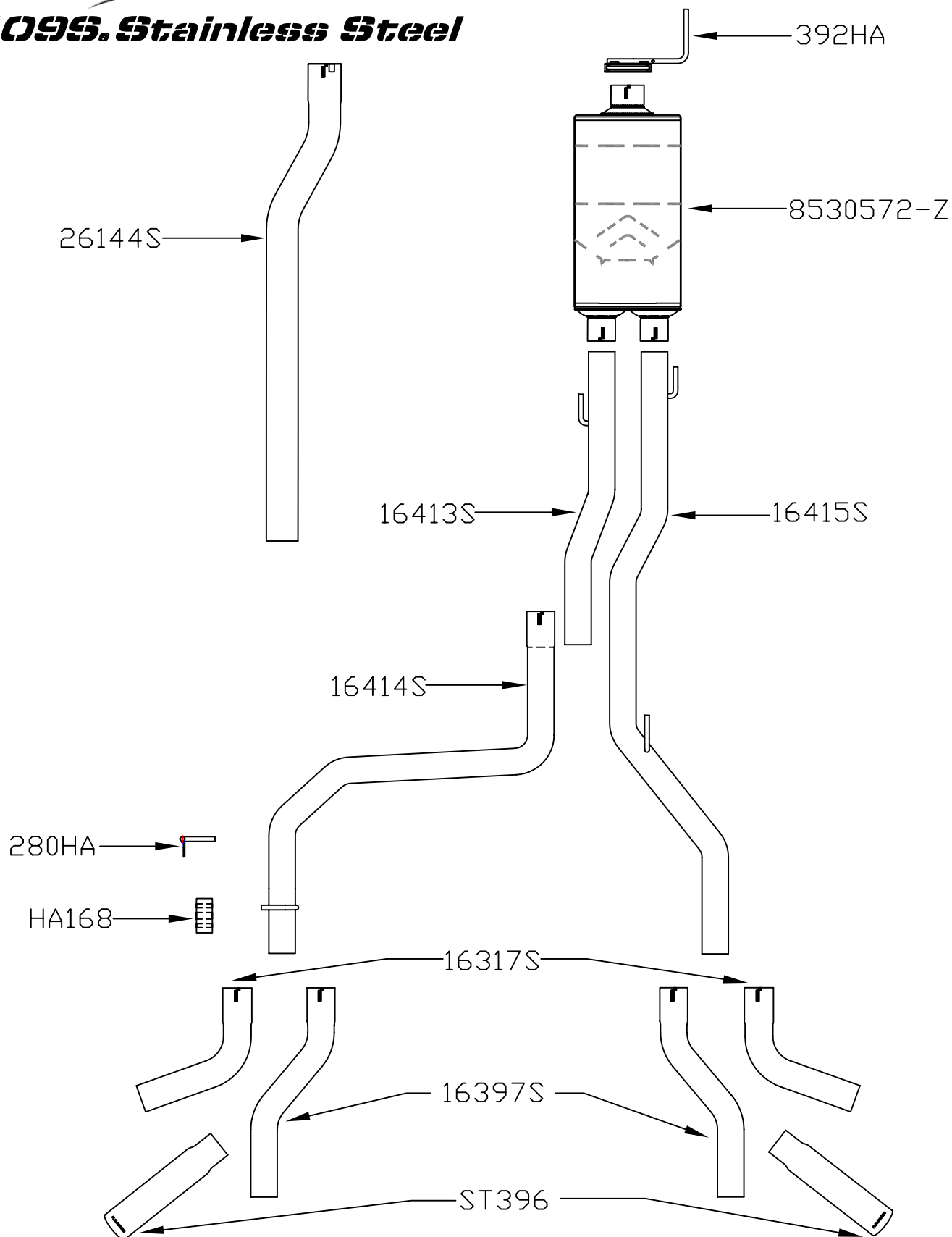
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THUNDER**

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