



Installation Instructions for:

SYSTEM #817541

2011-2017 CHEVY/GMC 2500HD/3500HD TRUCKS

6.0L (GAS) · V8 ENGINE · CREW CAB / 6.5' BED ONLY

**AMERICAN
THUNDER**

409S Stainless Steel

Removal:

- 1) Disconnect the negative side of the battery cable. 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) Remove the two nuts at the factory flanged connection behind the catalytic converter using a deep 15mm socket and ratchet.
- 3) Using a pry bar, separate the five hangers on the stock exhaust system from the rubber mounts on the vehicle. A lubricant such as WD40 or lithium grease will ease separation.
- 4) Carefully remove the stock tailpipe and muffler from the vehicle and set aside. The factory exhaust system will come out in one piece, or you can cut the tailpipe just behind the muffler and remove the system in two pieces.

Installation:

- 1) Place inlet pipe **#36044S** into place behind the factory flanged connection and connect both hangers on the pipe to the rubber mounts on the vehicle. Use the included 3/8" x 2" bolts, nuts and washers to secure the two flanges together, tighten enough to hold in place, but still allow for adjustment. **Note:** On 2013 & newer model trucks, you must trim 5.00" from the back of the **#36044S** inlet pipe, 2011 & 2012 models do not require this trim.
- 2) Place a provided 3 1/2" clamp onto the inlet of muffler **#8535572-307** and place onto the back of inlet pipe **#36044S** and support with a stand. Tighten the clamp on the muffler inlet enough to hold in place, but still allow for adjustment.
- 3) Slide rubber hanger **#HA168** onto the end of **226HA**, then using the supplied 3/8"x 1 1/4" bolt, washer and nut, mount the assembly to the outside of the frame using the 1/2" round hole located just behind the tubular cross member at the rear of the frame on the left side of the vehicle. Tighten securely.
- 4) Place a supplied 3" clamp over the right and left outlet of the muffler. Place the right tailpipe **#26403S** into position over the rear axle and into the right muffler outlet. Connect the two hangers on the pipe to the rubber mounts on the vehicle. Pipe should be approximately 3/4" away from the shock when adjusted. Tighten the clamp enough to hold but still allow for adjustment.

5) Place left front tailpipe section **#26402S** into position over the rear axle and into the left muffler outlet. Connect the hanger on the pipe to rubber mount on the vehicle. Place a supplied 3" clamp onto the back of the pipe. Place left rear tailpipe section **#26404S** onto the front section, and connect the hanger welded to the rear of the pipe into the rubber hanger installed in step 3 above. Pipe should be centered between the shock and the spare tire when adjusted. Tighten the clamps just enough to hold in position.

6) Slide the side exit pipes **#26405S** for the right and **#26406S** for the left or the rear exit pipes **#26407S** for the right and **#26408S** for the left onto the ends of the over axle pipes and place a supplied 3" clamp onto these slip-fit connections. Tighten just enough to hold in position. Place the two stainless tips **#ST462** onto the exit pipes and tighten them enough to hold position. Rotate the exit pipes and tips to the desired distance from the body or bumper, so that the angle cut on the tips are in the desired location.

7) Adjust the position of the pipes and muffler to provide a satisfactory fit. A minimum 3/4" clearance around all parts of the system must be maintained while keeping suspension travel and vibration in mind.

8) Tighten down all clamped connections securely. After the system is secure, slide the 1/2" hanger keepers onto both the hangers on the inlet pipe, the clamp hanger at the rear of the muffler and both rear tailpipe hangers. The 7/16" hanger keeper goes onto the end of the left frame hanger **#226HA**. These will prevent the hangers from slipping out of the rubber mounts. Use the included 8 1/2" cable tie to secure the rear brake line away from the left tailpipe. For a more secure installation, we recommend welding all slip-fit connections.

PACKING LIST

| <u>Qty</u> | <u>Description</u> | <u>Part #</u> |
|------------|----------------------|---------------|
| 1 | Inlet pipe | 36044S |
| 1 | Muffler | 8535572-307 |
| 1 | Right Tailpipe | 26403S |
| 1 | Left Tailpipe, Front | 26402S |
| 1 | Left Tailpipe, Rear | 26404S |
| 1 | Right Side Exit | 26405S |
| 1 | Left Side Exit | 26406S |
| 1 | Right Rear Exit | 26407S |
| 1 | Left Rear Exit | 26408S |
| 2 | Stainless Tips | ST462 |
| 1 | Part kit | PK740 |
| 1 | Left Frame Hanger | 226HA |
| 5 | 3.00" Clamp | MC300BS |
| 1 | 3.5" Clamp | MC350BS |
| 1 | Rubber Hanger | HA168 |
| 2 | 3/8" x 2" Bolt | HW211 |
| 1 | 3/8" x 1 1/4" Bolt | HW209 |
| 3 | 3/8" Flat Washer | HW303 |
| 3 | 3/8" Lock Washer | HW309 |
| 3 | 3/8" Nut | HW103 |
| 1 | 7/16" Hanger Keeper | HW502 |
| 6 | 1/2" Hanger Keeper | HW503 |
| 1 | 8 1/2" Cable Tie | HW504 |



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