



Installation Instructions

SYSTEM #817530

2003-06 HUMMER H2/SUT

AMERICAN THUNDER

4099₆ Stainless Steel

02/27/12



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. To ease removal of the stock system, spray a penetrating lubricant onto the rubber hangers and also the bolts on the front flange.



2) Support the muffler with a stand, then using a hacksaw or sawsall, cut the stock tailpipe where it exits the muffler. Remove the hanger at the rear of the tailpipe from the rubber mount on the vehicle and lower the tailpipe from the vehicle.



3) Separate the wire hangers in front and back of the muffler from their rubber mounts on the vehicle. Remove the two nuts from the flanged connection on the right inlet pipe using a 15mm wrench. Loosen the nut on the band clamp on the left inlet pipe. Slide the muffler assembly toward the rear of the vehicle and off of the left inlet pipe. Lower the muffler assembly from the vehicle.



4) Install resonator assembly **#15129S** by first sliding a 2½" clamp onto the left inlet pipe, then put the assembly up into place and align the flange connection on the right side and the slip joint on the left side. Reinstall the two nuts onto the flange. Connect the wire hanger on the assembly to the rubber mount on the frame. Tighten the clamp and the two flange nuts enough to hold but still allow for adjustment.



5) Place the provided 3½" clamp onto the inlet of muffler **#8535572-Z**. Connect the inlet of the muffler to the resonator outlet and support the muffler with a stand. Tighten the clamp enough to hold, but still allow for adjustment.



6) Place a provided 2½” clamp onto both muffler outlets, then place the right tailpipe **#16717S** into position over the axle and connect it to the right muffler outlet. Connect the wire hanger at the rear of the tailpipe to the rubber mount on the vehicle. Tighten the clamp enough to hold, but still allow for adjustment.



7) Look for the bracket shown in the photo, it's located at the rear of the vehicle on the cross member. Use the 3/8” hardware included to fasten frame hanger **#432HA** to the bracket as shown. Tighten securely then place the included **HA168** rubber hanger onto the installed hanger.



8) Place the left tailpipe **#16718S** over the rear axle and into the left muffler outlet. Connect the hanger at the front of the tailpipe to the factory rubber mount behind the muffler and the rear hanger to the rubber mount installed in the previous step. Tighten the clamp on the muffler outlet enough to hold but still allow for adjustment.

9) Adjust the position of all pipes and mufflers to provide a satisfactory fit. Be sure to maintain an adequate clearance around all parts of the system to avoid rattles or damage to heat sensitive components. Once you're happy with the fit, tighten all connections down securely. For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections.

10) After the system is secure, slide the 7/16” hanger keepers onto the end of the left rear hanger and also the frame hanger 432HA. Place the ½” hanger keeps onto the rest of the hangers of the system. These will prevent the hangers from slipping out of the rubber mounts.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part #</u>
1	Resonator	15129S
1	Muffler	8535572-Z
1	Right Tailpipe	16717S
1	Left Tailpipe	16718S
1	Parts Kit	PK604
1	Left Frame Hanger	432HA
1	3 1/2" Band Clamp	MC350BS
3	2 1/2" Band Clamp	MC250BS
1	Rubber Hanger	HA168
3	1/2" Hanger Keeper	HW503
2	7/16" Hanger Keeper	HW502
1	3/8" x 1" Bolt	HW208
1	3/8" Hex Nut	HW103
2	3/8" Flat Washer	HW303
1	3/8" Lock Washer	HW309



Installation diagram for:
SYSTEM #817530
2003-2006 HUMMER H2/SUT

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