



Installation Instructions SYSTEM #817558

1999-2004 Jeep Grand Cherokee
4.0L L6 & 4.7L V8 Engines



409S Stainless Steel

01/11/12

- 1) Raise the vehicle up on a hoist or rack to working height.



- 2) Using a hacksaw or sawsall, cut the stock tailpipe off where it exits the muffler. (This step is not mandatory, but it makes removal a little easier.)



- 3) Separate the wire hanger on the tailpipe from its rubber mount on the vehicle. Remove the tailpipe and set aside.



- 4) Support the muffler with a stand, and with a 15mm wrench remove the muffler clamp at the catalytic converter to muffler connection. Remove the muffler assembly from under the vehicle.



- 5) If your factory converter outlet is 2¼" use inlet pipe **#TB542S**, if its 2½" install the muffler inlet pipe **#TB544S** on the back of the catalytic converter. Make sure to align the square notch in the pipe with the tab on the catalytic converter. Clamp securely using a provided 2¼" or 2½" clamp depending on size. Place one of the provided 2½" clamps onto the muffler inlet and then slide the muffler onto the inlet pipe and support with a stand. Tighten the clamp enough to hold, but still allow for adjustment.



- 6) Place a provided 2½" clamp onto the muffler outlet and then place tailpipe **#16728S** into position over the rear axle. Slide the hanger on the pipe into the rubber mount on the vehicle and then into the muffler outlet. Tighten the clamp enough to hold, but still allow adjustment.



7) Adjust the position of all pipes and mufflers to provide a satisfactory fit. This is a tight fitting system, so take your time and be patient, tightening and adjusting a little bit at a time. 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.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>	
1	2¼" Inlet Pipe	TB542S	
1	2½" Inlet Pipe	TB544S	
1	Muffler Assembly	852557-Z	
1	Tailpipe	16728S	
1	Parts Kit	PK615	
	1	2¼" Band Clamp	MC225BS
	3	2½" Band Clamp	MC250BS



Installation diagram for:
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AMERICAN THUNDER

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