



Installation Instructions

SYSTEM #817534

2005-2010 Jeep Grand Cherokee
5.7L · V8 Engines

**AMERICAN
THUNDER**

4099₆ Stainless Steel

01/11/12

1) Raise the vehicle up on a hoist or rack to working height. Spray a penetrating lubricant onto the two nuts on the front flange, the rear flange and also all the rubber hanger mounts. This will greatly ease removal of the factory system.



2) You may either unbolt the tailpipe at the flanged connection behind the muffler or use a hacksaw or sawsall to cut the stock tailpipe off where it exits the muffler. If the nuts are corroded, it will be easier to cut the tailpipe off.



3) Separate the four wire hangers on the tailpipe from their rubber mounts on the vehicle. Remove the tailpipe assembly from the vehicle and set aside.



4) Support the muffler with a stand. Using a 15mm wrench remove the two nuts on the front flanged connection. Remove the muffler assembly from the vehicle and set aside.



5) Place the flange of inlet pipe **#543TBS** up to the front flange and reinstall the two nuts previously removed. Tighten the nuts evenly to allow the two flange surfaces to be parallel. Tighten enough to hold but still allow for adjustment.



6) Place a provided clamp 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.



7) Place a provided clamp onto the muffler outlet and then place the over-axle pipe **#26364S** into position over the rear axle. Connect the three hangers on the pipe to the rubber mounts on the vehicle. Tighten the clamp enough to hold, but still allow for adjustment.



8) Place a provided clamp onto the slip-fit of exit pipe **#26365S**. Connect the hanger on the pipe to the rubber mount on the vehicle and then place onto the rear of **#26364S**. Tighten the clamp enough to hold, but still allow for adjustment.



9) Place stainless tip **#ST429** onto the end of the exit pipe and adjust to the desired position. Tighten the clamp on the tip securely. We highly recommend welding the tip in place to prevent loss.

10) Adjust the position of all pipes and muffler 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. Place the supplied hanger keepers onto the ends of the wire hangers; these prevent the possibility of the hangers slipping out of the rubber mounts.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>	
1	Inlet Pipe	543TBS	
1	Muffler Assembly	853056-Z	
1	Over-axle Pipe	26364S	
1	Exit Pipe	26365S	
1	Stainless Tip	ST429	
1	Parts Kit	PK614	
	3	3" Band Clamp	MC300BS
	3	½" Hanger Keeper	HW503



Installation diagram for:
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