



Installation Instructions for:  
**SYSTEM #817674**  
2007-2016 JEEP WRANGLER JK  
2 & 4 DOOR MODELS · 3.6L / 3.8L ENGINE

**AMERICAN  
THUNDER**

**409S Stainless Steel**

02/01/16

**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) Loosen the band clamp on the inlet side of the muffler (left side).
- 3) Support the muffler with a stand, and separate the two hanger rods from the rubber mounts. Remove the muffler assembly. After removing the muffler assembly, remove the nuts securing the factory rear muffler heat shield. Removing this shield will allow the exit pipe to tuck up tighter to the vehicle.
- 4) Loosen the band clamp at the rear of the factory Y-pipe and separate the two hangers on the pipe from the rubber mounts on the vehicle. Lower the pipe from the vehicle and set aside.

**Installation:**



- 1) Place a provided clamp onto the slip-fit of inlet pipe assembly **#710TBS** and slide over the back of the factory Y-pipe. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold, but still allow for adjustment. The hanger closest to the slip-fit is for 2007-11 models, the other hanger is for the 2012-up models. You may choose to trim off the hanger that is not used.



- 2) Place a provided clamp onto the inlet of muffler **#12518409-Z** and slide over the back of inlet pipe **#710TBS**. Tighten the clamp enough to hold, but still allow for adjustment.

*For 2 Door Model Vehicles: you will need to trim 20.50" from the front (long end) of over-axle pipe **#86126S**. Additionally, replace the original rubber hanger that is just forward of the rear axle with new hanger HA484.*



- 3) Place a provided clamp onto the outlet of the muffler and then position the over-axle pipe assembly **#86126S** over the rear axle and slide into the muffler outlet. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold, but still allow for adjustment.



4) Place a provided clamp onto the slip-fit of exit pipe **#86127S** and slide onto the back of over-axle pipe **#86126S**. Connect the hanger on the pipe to the rubber mount on the vehicle and tighten the clamp enough to hold, but still allow for adjustment.

5) Adjust the position of the muffler, pipes and exit pipe to provide a satisfactory fit. Maintain a minimum of 3/4" clearance between the Flowmaster system, the drivetrain and chassis components, while also keeping suspension travel and vibration in mind. Tighten down all clamped connections securely. For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. Install the provided push-on hanger keepers onto the ends of all of the hanger rods to prevent them from slipping out of the rubber hanger mount.

### PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
1	Inlet Pipe Assembly	710TBS
1	Muffler	12518409-Z
1	Over-axle Pipe	86126S
1	Exit Pipe Assembly	86127S
1	Parts kit	PK739
4	2 1/2" Clamp	MC250BS
4	1/2" Hanger Keeper	HW503
1	Rubber Hanger (2-door)	HA484



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Installation diagram for:  
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