

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17425
2000-2006 TOYOTA TUNDRA
ALL W.B., W/ V8 ENGINES (D.O.R/S)

1/03/06

Removal:

1. Raise the vehicle and support with stands.
2. Unbolt the ring clamp from the connection between the catalytic converter and the exhaust system. Save the clamp and the gasket.
3. Slide the muffler and tailpipe assembly toward the rear of the vehicle, this will dislodge the hangers from their rubber mounts on the vehicle.
4. Slide the exhaust assembly toward the front of the vehicle and out from under the truck, set aside.

Installation:

1. Mount rear hangers **#245HA**. If you have a trailer hitch, remove the third bolt in from the bumper, on both sides of the hitch. Reuse the bolt when bolting up hanger **#245HA**. If you do not have a trailer hitch, locate the third threaded hole from the bumper and bolt up the two hangers using the **12MM cap screws, 12MM lock washers** and **HA418's** (2 for each side) as spacers to make up for the thickness of the trailer hitch. (Mount hanger in the same manner as the drawing indicates, to the outside). Also place the rubber hanger **#HA168** on the round rod of the **245HA's** as shown in the drawing.
2. Place the right tailpipe **#16291** over the axle and slide the hanger that's welded to the rear of the pipe into the bottom hole of rubber hanger **#HA168**, then slide the front hanger into the stock rubber mount on the vehicle.
3. Repeat step 2 for left side tailpipe **#16292**.
4. Place muffler assembly **#530552-146** into position behind the converter in the same manner as the stock system, insuring that the gasket is in place. Then reinstall the ring clamp onto the connection, checking to see that the muffler is level and tighten.
5. Slide the two tailpipes into the muffler outlets. Then install one of the included 2½" clamps onto each of the outlets, tighten enough to hold in place but still allow for adjustment.

6. Then slide either the side exit pipe (**16317**) or rear exit pipe (**16318**) onto the ends of both over axle pipes. Place a 2½” clamp onto these slip-fit connections, tighten enough to hold but still allow for adjustment. Place the two stainless tips (**ST396**) onto the exit pipes and tighten the hose clamps enough to hold but still allow for adjustment. Rotate the exit pipe and tip to the desired distance from the fender or bumper, so that the angle cut on the tips are in the desired location. We highly recommend tack welding the tip to the exit pipe to prevent possible slippage and loss of the tip.

7. Adjust the position of the pipes and muffler to achieve a satisfactory fit. (The muffler will sit flat) Be sure to allow adequate clearance for suspension travel, vibration etc.

8. Tighten down all clamped connections securely slide the provided hanger keepers onto the hanger rod to prevent them from sliding out of rubber mounts. Then place the heatshield **#51017** on top of muffler and clamp down with the three clamps provided in box. For a cleaner appearance, the clamps can be removed and the connections welded..

**NOTE: FLOWMASTER STRONGLY RECOMMENDS WELDING
ALL SLIP-FIT CONNECTIONS.**

PACKING LIST FOR AMERICAN THUNDER SYSTEM #17425

<u>Qty.</u>	<u>Description</u>	<u>Part #</u>
1	Muffler/Resonator Assem.	530552-146
1	Right Tailpipe	16291
1	Left Tailpipe	16292
2	Rear Exit Pipe (R/L)	16318
2	Side Exit Pipe (R/L)	16317
2	3" Stainless Tip	ST396
1	Heatshield kit	51017
1	Parts Kit	PK361
2	Tailpipe hanger	245HA
2	Rubber hanger	HA168
4	Square spacers	HA418
4	2 1/2" clamps	MC250S
2	12MM cap screws	HW218
2	12MM lock washers	HW312
6	7/16" Hanger keeper	HW502

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