

# FLOWMASTER

## AMERICAN THUNDER™

SYSTEM #17433  
2006-2007 TOYOTA FJ CRUISER

10/04/06

### Removal:

1. Raise the vehicle and support with stands, also support the exhaust by placing a stand under the muffler, spray all factory rubber hangers with a type of lubricant for easier removal.
2. Unbolt the tailpipe connection behind the muffler using a 14mm socket or wrench, next remove the factory tailpipe hanger from the rubber mount on the vehicle and set tailpipe aside.
3. Using a 14mm socket or wrench remove the two factory spring loaded bolts at the inlet pipe connection and set aside (these will get reused.)
4. Slide the muffler and inlet pipe assembly toward the rear of the vehicle, this will dislodge the 4 hangers from the factory rubber mounts on the vehicle remove and set aside.

### Installation:

1. Place the inlet pipe #16519 up into place sliding the two hangers into the factory rubber mounts. Install the two 14mm spring loaded bolts that were removed in **step 3** to the flanged connection tighten enough to hold but still allow for adjustment.
2. Install supplied MC250S clamp onto the 16519 inlet pipe. Next, place the inlet of the muffler #52557 onto the inlet pipe and support with a stand. Tighten the MC250S clamp enough to hold the muffler in place, but still allow for adjustment.
3. Place the supplied hanger clamp assembly #348HA onto the outlet of the muffler and into the factory rubber mounts on the vehicle, do not tighten the clamp.
4. Place tailpipe assembly #16531 into the outlet of the muffler installed in **step 2** and slide the tailpipe hanger into the factory rubber mount on the vehicle, tighten the clamp installed in **step 3** enough to hold but still allow for adjustment.
5. Then place the stainless tip #ST339 onto the tailpipe and tighten enough to hold but still allow for adjustment. Rotate the tailpipe/tip to the desired distance from the body and desired location.

6. 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.
7. Tighten down all clamped connections securely slide the provided hanger keeper onto the hanger rod on the #16531 tailpipe to prevent it from sliding out of the factory rubber mount. Then 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 #17433**

<u>Qty.</u>	<u>Description</u>	<u>Part #</u>
1	Muffler	52557
1	Inlet Pipe	16519
1	Tailpipe	16531
1	3" Stainless Tip	ST339
1	Parts Kit	PK461
1	Rear Muffler Hanger	348HA
1	2 1/2" Clamp	MC250S
1	7/16" Hanger Keeper	HW502

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