



**MID AMERICA
MOTORWORKS™**

INSTRUCTION SHEET

Part Number

604-911

Application: 2005-2011 C6 Corvette



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MAM Quad Cruiser Exhaust System

Part Includes

- 1 - Pair, 2005-2013 Quad Crusier Mufflers Only
- 2 - Exhaust Clamp, 2.5" T304 Stainless Steel Band Style
- 1 - Pair, Over Axle Pipes



Tools Needed



Please take time to read and understand these installation instructions.

Mid America Motorworks recommends that installation of this system be performed by a qualified service center or professional muffler installer who has the necessary equipment, tools and experienced personnel. However, if you decide to perform this install, the use of a hoist and an additional person will be required.

CAUTION: Never work on a hot exhaust system. Allow time for the vehicle to cool. Always wear eye protection when working under a vehicle.

CAUTION: Prior to installation, be sure your vehicle is parked on a level surface, and your exhaust system is cool. For safety purposes and ease of installation, we urge you to take your vehicle to a qualified service center or muffler installer that employs the use of a lift.



All clamps should be tightened using a properly calibrated Torque Wrench. Using an air impact gun will damage the clamp and reduce its ability to effectively seal the joint. It may also cause the joint to separate thereby causing damage to your exhaust system and your vehicle.

NOTE: Be sure to apply the provided anti-seize lubricant to all bolts, fasteners, and clamps. A pouch is included with the hardware kit. Apply the supplied anti-seize lubricant to the thread ONLY of all TORCA band clamps. Failure to follow this procedure can cause the nuts to seize on clamps and potentially damage threads. **WARNING:** Be sure to thoroughly clean hands after use. Anti-seize lubricant will tarnish stainless steel parts.



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Description (cont.)

EXHAUST REMOVAL

Your C6 must be raised high enough to remove the one-piece stock muffler over-axle pipe assemblies. A safe vehicle hoist is strongly recommended for this task.

NOTE: Be sure to save all nuts. These will be used to install your Mid America

STEP 1.

Using a 15mm socket or wrench, remove the four front flange nuts (See Fig. A)



FIG. A



FIG. B

STEP 2.

Using a 13mm socket or wrench, remove the H-Pipe hanger nuts (See Fig. B).



FIG. C



FIG. D

STEP 3.

Using a 15mm socket or wrench, loosen the clamps connecting the H-Pipe to the Rear Muffler Assembly (See Fig. C).

STEP 4.

Slide the flanges off the bolts (See Fig. D).

STEP 5.

Remove the H-Pipe assembly.

STEP 6.

Using an 18mm socket and a 15mm open end wrench, remove the rear stabilizer bar mounting nut (See Fig. E).



FIG. E



FIG. F

STEP 7.

Use an 18mm socket to remove the upper stabilizer bar mounting bolt (See Fig. F).

STEP 8.

Swing the stabilizer bar down, away from the rear cradle.

STEP 9.

Slide the rear muffler hangers out of the rubber isolators, using soapy water to aid in removal if needed (See Fig. G).



FIG. G



FIG. H

STEP 10.

Carefully slide the Driver side muffler out of the vehicle.

STEP 11.

Carefully slide the Passenger side muffler out of the vehicle (See Fig. H).

STEP 12.

Reinstall the stabilizer bar using the factory nuts and bolts. Tighten the bolts and nuts to factory specifications.



Description (cont.)

Mid America Motorworks Exhaust Installation:

STEP 1.

Remove all exhaust system components from the shipping carton, including clamps.

STEP 2.

Locate the Driver side and Passenger side axle pipes (See Fig. I & J).

STEP 3.

Slide both Driver and Passenger axle pipes into position from the rear (See Fig. K).

STEP 4.

Insert the axle pipes into the H-Pipe outlets and snug fit the clamps (See Fig. L).

NOTE: If using the factory H-Pipe, axle pipe will not bottom-out in the expansion. This is as designed.

STEP 5.

Locate the Passenger side muffler. Slide one Torca clamp onto muffler inlet.

STEP 6.

Slide the muffler hanger into the factory rubber isolators.

STEP 7.

Carefully align the muffler inlet to the axle pipe.

STEP 8.

Slide the axle pipe into the muffler inlet expansion and snug fit the Torca clamp using the 17-inch extensions and a 15mm socket (See Fig. C). **NOTE:** All the muffler clamps should point towards the center of the vehicle when installed.

STEP 9.

Repeat Steps 6 to 9 above for the Driver side muffler.

STEP 10.

Adjust the entire system as necessary to achieve the desired tips location and clearance to all driveline components.

STEP 11.

Starting from the front of the vehicle, tighten all Torca clamps to 45 ft.-lb.

STEP 12.

It is **MANDATORY** that all clamps and fasteners be checked and re-tightened (if necessary) after a road test. Make sure the system has cooled prior to touching any exhaust components.

NOTE: During cold weather start-ups, you may experience an exhaust sound that is deeper and louder in tone than usual. This is temporary and will diminish to normal levels once your engine has reached its normal operating temperature.

NOTE: Immediately following the installation of your Mid America Motorworks exhaust system, you may experience a trace of smoke after initial start-up. **DO NOT** be alarmed. The smoke is caused by the burning of a small amount of forming oil residue used in the manufacturing process.



FIG. I



FIG. J



FIG. K



FIG. L