

# **Installation Instructions for 30417 Camaro/Firebird Cat-Back Exhaust 3" with Dual 2.5" Tail Pipes with Welded Muffler**

## **Application:**

1990-1992 Camaro/Firebird w/305 F engine and one converter  
1988-1992 Camaro/Firebird w/305 E engine  
1983-1987 Camaro/Firebird w/305 H engine except Canadian models without air tube to converter  
1985-1992 Camaro/Firebird w/2.8L and 3.1L V6, Note: requires V8 hanger not included in this kit, for only V6 models

## **Kit Includes:**

- 2) 2-1/2" clamps
- 1) Flanged front extension pipe
- 2) 3" clamps
- 1) Rear over the axle pipe
- 1) 5/16" x 1" bolt
- 1) Left tail pipe
- 1) 5/16" nut
- 1) Right tail pipe
- 1) 5/16" lock washer
- 1) Welded muffler
- 1) Fender washer

**DANGER WARNING:** Should the purchaser decide to install this exhaust product at home, be warned that pleasure car or light duty truck/van "bumper" jacks are intended for emergency use only. The use of frame contact jack stands in conjunction with a floor jack as main support is highly recommended to minimize accidental dropping of a vehicle while the installation proceeds. We recommend the use of a shop hoist if possible. Please use caution!!

**Limitation of liability--Disclaimers:** The regulation of emissions production, noise levels and safety standards is undertaken by the federal government, each of the fifty state legislatures, and by many local municipalities, towns and counties. The manufacturer makes no warranties of merchantability, of fitness for a particular purpose, or that its products are approved for general use, or that its products comply with laws, regulations or ordinances in the states where they may be sold to the ultimate purchaser, the consumer. The entire risk as to the conformity of this product in any such state and as to repair, should the product prove to be defective or non-conforming, is on the retail purchaser, the buyer, the ultimate consumer of such product and it is not upon the seller, distributor, or manufacturer. In this connection, retail purchaser, the buyer, the ultimate consumer assumes the burden of the entire cost of any and all necessary service, alterations, and or repair. The foregoing statement limits the liability of the manufacturer.



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## Instructions:

**NOTE: DO NOT TIGHTEN ANY BOLTS OR CLAMPS UNTIL THE LAST STEP!! READ THESE INSTRUCTIONS THOROUGHLY AND FULLY BEFORE YOU BEGIN.**

- 1) Support the vehicle in a safe manner using either a shop hoist or with frame supports. The rear axle will need to hang free to allow clearance for the removal and installation of the over the axle pipe. We also recommend lowering the driver's side of the upper control arm to install this system. This will require removal of the 3 metric bolts from the control arm to the frame, and removing two metric bolts from a heatshield. You will need to reuse these bolts for reinstallation upon completion of installing this exhaust kit.
- 2) Remove the old exhaust system behind the converter at the flange, where the old system bolts to the converter. Make sure to leave the existing O.E. rubber hanger mounts on the vehicle. **Note:** for those with the V6, you will need to remove the O.E. hanger for the extension pipe that is just after the rear axle on the passenger side. You will need to use the O.E. hanger for the V8, not included in this kit. Lower the driver's side of the upper control arm at this time by removing the metric bolts of the upper control arm from the frame, and swing the upper control arm lower for temporary clearance.
- 3) Install the flanged front extension pipe to the converter. Connect the old converter flange to the new flange using the O.E. bolts for each side of the flange. Tighten the assembly slightly, but do not over tighten at this time. It may be necessary to pivot the extension pipe to gain proper clearance.
- 4) Install the rear over the axle pipe to the flanged front extension pipe using a 3" clamp. We recommend making sure the upper control arm is lowered for clearance, the vehicle is lifted safely and the rear axle hangs free, and you install the rear over the axle pipe from the rear of the vehicle. Connect the hanger on the rear over the axle pipe to the O.E. rubber hanger mount above the rear over the axle pipe.
- 5) Install the muffler to the rear over the axle pipe using a 3" clamp. Do not tighten at this time. **Note:** the inlet should lie nearest the rear of the vehicle, and the outlets nearest the front of the vehicle (the rear over the axle pipe will cross over the top of the right tail pipe).
- 6) Install the right tail pipe to the muffler using a 2-1/2" clamp; pivot the tail pipe for proper exit.
- 7) Repeat step 5) for the left side. Connect the hanger on the right tail pipe to the O.E. rubber hanger mount above, using the included hardware.
- 8) You may need to trim the tail pipes to length and style of desired exit.
- 9) Check for clearance of the frame and body, and of all brake and fuel lines. When you are satisfied with how the system hangs, tighten all bolts and clamps. Make sure to remember to reinstall the driver's side portion of the upper control arm and the heat shield.

