



TUBULAR EXHAUST SYSTEM

**For 2002-2006 Chevrolet & GMC Suburban / Pick-Up 2500/3500 Series,
2 & 4 WD, 8.1L V8, Auto Transmission without E.G.R. or A.I.R.
Catalog #66182, #66183, #66192, #66193
INSTALLATION INSTRUCTION**

Please study these instructions carefully before installing your new *Tubular Exhaust System* (TES). If you have any questions, please contact our **Technical Hotline at : 1-800-416-8628** from 7 am - 5pm, Monday-Friday, Pacific Standard Time or e-mail us at **Edelbrock@Edelbrock.com**.

TUBULAR EXHAUST SYSTEM: These components are designed as a system to improve the exhaust efficiency of the GM 8.1 Liter engine. They are constructed of 409 HP stainless steel to better withstand the high heat present with the C.P.I. engine, especially when used for towing or other heavy duty applications. The stainless steel used for these systems is much more durable than mild steel, although it does not appear different in appearance. These systems can be identified by the part numbers on each of the major components. Note that a magnet will stick to this type of stainless steel; magnetic attraction is not a valid test for these systems. A performance gain can be expected by the installation of the system. This system requires welding for installation and retains all O.E.M. emissions equipment.

Suggested Tools Needed for Installation: This vehicle has some metric fasteners.

- 3/8" ratchet socket set with extensions and universal 13mm and 15mm swivel sockets
- Combination set of open-end wrenches
- Jackstands, screwdrivers, pliers, crescent wrench, etc.
- Mig welder (recommended) or gas welding; professional welding highly recommended
- Liquid penetrant, (GM #1052627) anti-seize compound (GM #5613695)

SPECIAL NOTICE: This Edelbrock Tubular Exhaust System has received an Executive Order number (E.O.#) from the California Air Resources Board (C.A.R.B.) making it legal for street use in all 50 states. To assist you with emission equipment certification, we have included a silver fan shroud decal to help testing personnel verify the this part is a legal replacement on the vehicle for which it is cataloged. The adhesive-backed decal should be affixed next to the existing emission and engine specifications decal. Do not cover any part of your original emission decal.

WARNING: The use of "Thermal Wrap" or any aftermarket coating process **will void the warranty** on your Edelbrock Tubular Exhaust Systems. Those products can cause excessive heat and moisture buildup resulting in corrosion and failure of the system.

NOTE: High temperature spark plug wires and boots are recommended to withstand heat from TES.

IMPORTANT NOTE:

Proper installation is the responsibility of the installer. Improper installation will void warranty and may result in poor performance and engine or vehicle damage.

KIT CONTENTS

**Catalog #66182 (Ceramic-Coated), #66183 (Ti-Tech Coated) - For 4L80-E Transmission
#66192 (Ceramic-Coated), #66193 (Ti-Tech Coated) - For Allison Transmission**

Qty.	Description
<input type="checkbox"/> 1	Header left side #25-9497 (Ceramic-coated)
<input type="checkbox"/> 1	Header right side #25-9498 (Ceramic-coated)
<input type="checkbox"/> 1	Header left side #25-9495 (Ti-Tech coated)
<input type="checkbox"/> 1	Header right side #25-9496 (Ti-Tech coated)
<input type="checkbox"/> 1	Extension Pipe left side #25-9672 (#66182, #66183)
<input type="checkbox"/> 1	Extension Pipe right side #25-9673 (#66182, #66183)
<input type="checkbox"/> 1	Extension pipe left side #25-9675 (#66192, #66193)
<input type="checkbox"/> 1	Extension pipe right side #25-9676 (#66192, #66193)
<input type="checkbox"/> 4	Flat washers, 3/8"

Qty.	Description
<input type="checkbox"/> 16	Hex header bolts, 3/8"-16 x 1"
<input type="checkbox"/> 2	Chevy V8 port gaskets
<input type="checkbox"/> 2	Donut gaskets, 3"
<input type="checkbox"/> 4	Hex bolt, 3/8"-16 x 2 1/2"
<input type="checkbox"/> 20	Lock washers, 3/8"
<input type="checkbox"/> 1	Tie wraps, 11"
<input type="checkbox"/> 5	Spark plug boots
<input type="checkbox"/> 5	Spark plug boot ends
<input type="checkbox"/> 4	Hardened 3/8" washer (black)
<input type="checkbox"/> 4	3/8"-16 Hex nuts

INSTALLATION INSTRUCTIONS

Disassembly - Left Side

1. Disconnect negative cable from battery.
2. Use penetrating oil on all nuts and bolts to be removed. This will prevent the possibility of broken or stripped nuts and bolts.
3. Disconnect spark plug wires and spark plugs.
4. Disconnect temperature sensor wire.
5. Remove bolts and exhaust manifold.

Disassembly - Right Side

1. Remove air cleaner box. Note all hose and electrical connection.
2. Disconnect spark plug wires and spark plugs.
3. Remove dipstick and dipstick tube.
4. Remove bolts and exhaust manifold.
5. Clean exhaust flange surfaces on both cylinder heads at this time.

DISASSEMBLY - CROSSOVER PIPE

1. Raise vehicle and support with jackstands.
2. Disconnect and remove O2 sensors (2), being careful not to rupture or destroy the unit.

WARNING: Do not clean this unit in any cleaning solvent and do not damage wire.

3. Cut left OEM crossover pipe 3/4" left of the weld on the catalytic converter. This is the catalytic converter located under the transmission. Cut the right OEM head pipe 3/4" in front of the weld attaching the right catalytic converter. Remove exhaust pipes from vehicle.

NOTE: Before cutting pipes, measure the height of the converter from the bottom of the floor board for when you install new exhaust pipes you can maintain same distance.

• ASSEMBLY - LEFT SIDE

1. Install T.E.S. flange gasket and one 3/8"-16 x 1" bolt, lock washer, and thick flat washer at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
2. Install left side T.E.S. manifold from bottom side.
3. Install all bolts and washers and tighten. Use thick flat washers on slotted holes.

4. Re-install spark plugs.
5. Replace original equipment spark plug wires on cylinders #3 and #5 with supplied wires. Re-connect spark plug wires on left side.
6. Re-install temperature sensor wire to temperature sensor.

ASSEMBLY - RIGHT SIDE

1. Install T.E.S. flange gasket and one 3/8"-16 x 1" bolt, lock washer and thick flat washers at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
2. Install right side T.E.S. manifold from top side. Now install dipstick tube.
3. Install remaining bolts and lock washers.
4. Align all parts and tighten all right side bolts at this time.
5. Replace original equipment spark plug wires on cylinders #4, #6 and #8 with supplied wires. Re-connect right side spark plug wires.
6. To prevent contact with the hot T.E.S. tubing, use nylon tie wrap (supplied) to secure the heater hose to the a.c. dryer.
7. Re-install air cleaner box.

CROSSOVER PIPE ASSEMBLY

1. With catalytic converters in their natural position, install and bolt exhaust extension pipes to header collectors using 3/8" - 16" x 2 1/2" hex bolts, 3/8" flat washers, 3/8" lock washers and 3/8 hex nuts. Use the 3" donut provided in kit.
2. Check alignment of pipes to the catalytic converter, secure bolts.
3. With everything in place, tack weld exhaust pipes to catalytic assembly.
4. Unbolt whole exhaust assembly from vehicle and let it hang. Complete weld around pipes.
5. Bolt assembly back in vehicle and check for clearance.
6. Re-install O2 sensors. Use anti-seize on threads of sensor. Route wires clear of exhaust system.
7. Lower vehicle to ground.
8. Start vehicle and check for leaks.
9. After engine has cooled, re-torque the header flange bolts from center of flange out.



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