



TUBULAR EXHAUST SYSTEM
For 1981-1991 AMC Grand Wagoneer,
360 C.I.D. V8, Auto Transmission, 2 & 4 WD
Catalog #68812, #68813

INSTALLATION INSTRUCTIONS

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**. Please fill out and mail your warranty card.

TUBULAR EXHAUST SYSTEM: These components are designed as a system to improve the exhaust efficiency of the AMC V8 engine. A performance gain can be expected by the installation of the system. This system does not require 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.
- 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 T.E.S.

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 #68812 (Ceramic-Coated), #68813 (Ti-Tech Coated)

Qty.	Description
<input type="checkbox"/> 1	Header left side #25-9435 (#68812)
<input type="checkbox"/> 1	Header right side #25-9434 (#68812)
<input type="checkbox"/> 1	Header left side #25-9043 (#68813)
<input type="checkbox"/> 1	Header right side #25-9044 (#68813)
<input type="checkbox"/> 1	Extension pipe right side #25-9540
<input type="checkbox"/> 1	Extension pipe left side #25-9539
<input type="checkbox"/> 12	Header bolts; 3/8"-16 x 1"
<input type="checkbox"/> 1	Flange
<input type="checkbox"/> 1	U-Bolt; 2-1/4"

Qty.	Description
<input type="checkbox"/> 2	Port flange gaskets
<input type="checkbox"/> 1	1-Hole Gasket
<input type="checkbox"/> 1	D-Nut gasket
<input type="checkbox"/> 8	Bolts; 5/16"-18 x 1"
<input type="checkbox"/> 2	Hex bolts; 3/8"-16 x 2"
<input type="checkbox"/> 2	Hex bolts; 3/8"-16 x 3"
<input type="checkbox"/> 8	Washers; 5/16"
<input type="checkbox"/> 8	Lock washers; 5/16"
<input type="checkbox"/> 16	Lock washers; 3/8"

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. Remove air cleaner system (note position of line and hose connections).
4. Disconnect A.I.R. (air injection reactor) tube from exhaust manifold.
5. Remove bolts and exhaust manifold.

DISASSEMBLY - RIGHT SIDE

1. Disconnect A.I.R. injection tube from exhaust manifold.
2. Remove bolts and exhaust manifold.
3. Clean exhaust flange surfaces on cylinder heads at this time.

DISASSEMBLY - CROSSOVER PIPE

1. Raise vehicle and support with jackstands.
2. Making sure the converter is cool, remove the exhaust crossover pipe. If the pipe is frozen to the converter, it can be heated with a Propane torch (or equivalent) to help loosen the joint.

ASSEMBLY- LEFT SIDE

1. Install T.E.S. flange gasket and one 3/8"- 16 x 1" bolt, lock washer, and flat washer at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
2. Install left side T.E.S. manifold from top side.
3. Install all bolts and washers on left side. Align all parts and tighten left side bolts and nuts at this time.

ASSEMBLY- RIGHT SIDE

1. Install T.E.S. flange gasket and one 3/8"- 16 x 1" bolt, lock washer and flat washer at rearmost bolt hole (leave bolt loose enough to accept T.E.S.).
2. Install right side T.E.S. manifold from below.
3. Install remaining bolts and lock washers.
4. Align all parts and tighten all right side bolts at this time.
5. Remove A.I.R. check valves from original manifolds and re-install them on T.E.S. Re-connect all A.I.R. injection hoses at this time.

CROSSOVER PIPE ASSEMBLY

1. Slip new Edelbrock T.E.S crossover (Y-pipe) over catalytic converter.
2. Install crossover pipe assembly on vehicle using two 3/8"x 3" bolts on right side to hold pipe flare against heat riser valve and valve against manifold flange, with flat gasket between heat riser and manifold. Use two 3/8" x 2" bolts and the donut gasket to attach the left side pipe to the manifold.
3. Install U-clamps and tighten all nuts and bolts.
4. Lower vehicle to the ground.



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