



TUBULAR EXHAUST SYSTEM

**Applications: See Below
Catalog #66022, #66023**

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.

APPLICATIONS: For 1995-1997 Chevrolet/Pontiac Camaro/Firebird; Z-28, T/A, & Formula, 5.7L LT1 V8 Models with Dual Catalytic Converters.

TUBULAR EXHAUST SYSTEM: These components are designed as a system to improve the exhaust efficiency of the GM 5.7 Liter LT1 V8 engine. They are constructed of 409 HP stainless steel to better withstand the high heat present with the fuel injected engine, especially when used for 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 t.e.s.t for these systems. A performance gain can be expected by the installation of the system. **This system does require welding for installation** and retains all O.E.M. emissions equipment.

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

- Mig welder (recommended) or gas welder—Professional welding is highly recommended
- 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.
- Hacksaw
- 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.

INSTALLATION INSTRUCTIONS

• DISASSEMBLY

1. Disconnect negative battery cable.
2. Raise vehicle and unplug both O2 sensor cables.
3. Starting with the driver's side, remove the three bolts on the inlet flange on the catalytic converter.
4. At midsection of left side exhaust pipe is a two-bolt flange; unbolt and set catalytic converter aside.
5. On passenger's side, remove the three bolts at the manifold/exhaust pipe connection.
6. A two-bolt catalytic converter hanger assembly is at mid-car; remove bolts and separate cat. from hanger.
7. At mid-intermediate-pipe is a slip fit connection. Loosen U-clamp and separate intermediate-pipe from the over-axle pipe. Now remove the whole unit from beneath and set aside.

• LEFT SIDE

1. Disconnect and remove spark plugs.
2. Disconnect temperature sensor plug.
3. Disconnect A.I.R. assembly from stock manifold.
4. Remove plastic cover around lower steering shaft. Remove steering shaft by unbolting (11mm) at mid-section and bottom of lower universal joint. Slip middle joint up steering shaft while sliding lower joint off of steering box serrated shaft. **NOTE:** Be careful not to activate Air Bag.
5. Remove manifold bolts.
6. Remove manifold from underneath car.
7. Remove O2 sensor from stock manifold (be careful not to break or damage O2 sensor).
8. Install O2 sensor on new T.E.S. manifold before installing manifold. Use anti-seize compound on threads.
9. 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.).
10. Place manifold into position from above. Start all bolts and washers, then tighten.
11. Replace steering shaft and plastic cover.
12. Replace temperature sensor plug.
13. Replace spark plugs and wires.
14. Replace A.I.R. assembly.

• RIGHT SIDE

1. Disconnect and remove spark plugs.
2. Remove fan belt.
3. Disconnect and remove alternator.
4. Disconnect A.I.R. fitting from manifold.
5. Remove bolt from EGR flange for disassembly of EGR.
6. Remove dipstick.
7. Remove O2 sensor.
8. Remove stock manifold from underneath car.
9. 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.).
10. Using 1-1/8" long spacer tube, 3/8"-16 x 2-1/4" 12-point screw and 3/8" lock washer, re-attach alternator bracket in the forward bolt hole in cylinder head.
11. Place manifold into position from underneath car and start one bolt at front. **NOTE:** Use flat washers at slotted ends and lock washers on all bolts.
12. Install all manifold bolts and tighten.
13. Re-attach EGR tube.
14. Re-attach spark plugs and wires.
15. Re-attach dipstick tube.
16. Re-attach A.I.R. assembly.
17. Re-attach alternator and belt.
18. Re-attach O2 sensor.

• EXTENSION PIPE

1. Cut O.E.M. exhaust pipe approximately 1/2" above the weld at the front of the flex tube (**See Fig. 1**).
2. Bolt the little extension pipe with donut gasket onto the T.E.S. manifold.
3. Bolt catalytic converter back into vehicle, making sure that cat. sets in original position.
4. Bolt on left side cat. (use flange gasket supplied).
5. With everything in place and properly positioned, tack weld T.E.S. extension pipe to stock exhaust pipe in front of flex tube.
6. After tack welding, remove assembly and complete weld.
7. Re-install assembly and tighten all bolts.

• **COWL HEAT SHIELD**

1. Push out three plastic pushpins (to the left of center) holding seal to plastic cowl, and attach heat shield using three 10-24 screws and nylock nuts provided. Install cowl heat shield directly over left header. Be careful not to overtighten as screws could pull through rubber seal (see Figure 2).

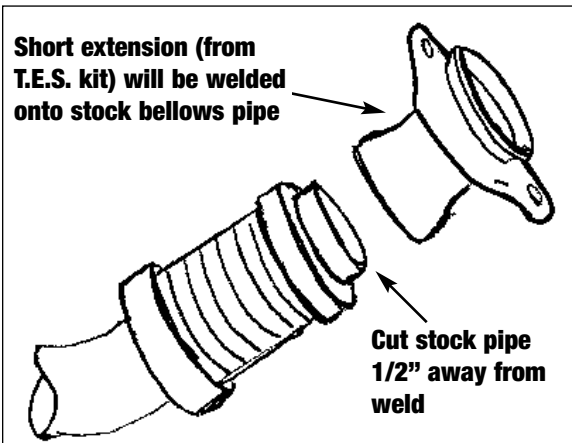


Fig. 1
Cut right side bellows as shown

• **FINAL INSPECTION**

1. Check all hydraulic, vacuum, and fuel lines to ensure there is adequate clearance to T.E.S. components.
2. Re-connect battery.
3. At this point, it is a good idea to look everything over and make sure that nothing was missed in assembly.
4. Start vehicle and bring up to normal operating temperature. Check for possible leaks.
5. Turn engine off and let cool. Tighten all bolts again.

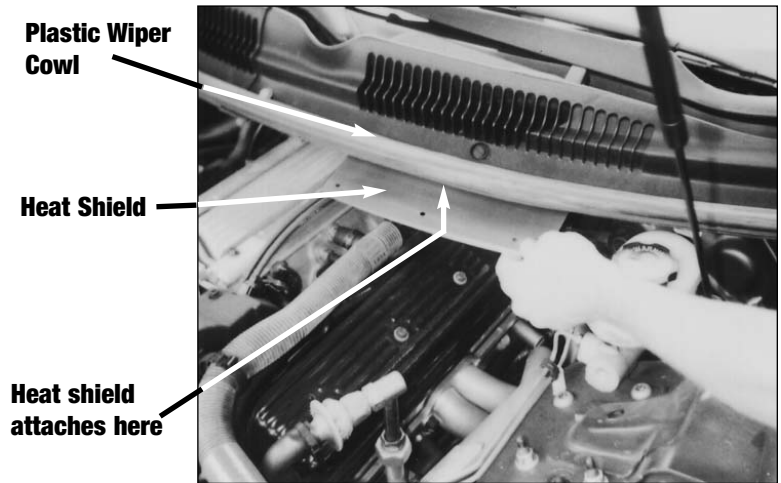


Fig. 2
Cowl Heat Shield Installation

KIT CONTENTS

Catalog #66022 (Ceramic-Coated), #66023 (Ti-Tech Coated)

Qty.	Description
<input type="checkbox"/> 1	Header left side #25-9311 (#66022)
<input type="checkbox"/> 1	Header right side #25-9312 (#66022)
<input type="checkbox"/> 1	Header left side #25-9082 (#66023)
<input type="checkbox"/> 1	Header right side #25-9083 (#66023)
<input type="checkbox"/> 1	Extension pipe right #25-9596
<input type="checkbox"/> 12	Hex header bolts; 3/8" - 16 x 1"
<input type="checkbox"/> 1	12-point Bolt; 3/8" - 16 x 2-14"
<input type="checkbox"/> 2	Chevrolet V8 port gaskets
<input type="checkbox"/> 1	Donut gasket; 2-1/4"
<input type="checkbox"/> 1	Catalytic converter gasket
<input type="checkbox"/> 3	Hex nuts; 3/8" - 16

Qty.	Description
<input type="checkbox"/> 3	Hex bolts; 3/8" - 16 x 1-1/2"
<input type="checkbox"/> 2	Hex bolts; 3/8" - 16 x 2"
<input type="checkbox"/> 1	Tie wrap; 11"
<input type="checkbox"/> 1	Spacer tube; 5/8" O.D. x 1-1/8"
<input type="checkbox"/> 3	Flat washers; 3/8"
<input type="checkbox"/> 17	Lock washers; 3/8"
<input type="checkbox"/> 4	Hardened washers; 3/8" I.D. x 1/8" thick
<input type="checkbox"/> 1	Heat shield
<input type="checkbox"/> 3	Screws; heat shield
<input type="checkbox"/> 3	Nylock nuts; heat shield

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