

High Noise Level Of "Arvinode" Dual Exhaust System 1965-65½ Mustangs

Reports have been received from the field indicating that the "Arvinode" dual exhaust system installed on subject vehicles, built prior to April 2, 1965 (Metuchen and Dearborn), April 4, 1965 (San Jose), has an objectional noise level. To reduce the noise level a standard muffler may be put into the system to replace each "Arvinode" muffler assembly located beneath the passenger compartment. This can be accomplished by obtaining a kit released for this purpose — C5ZZ-5230-N, Class "BG."

On a customer complaint basis only, of excessive noise with the "Arvinode" dual exhaust system, the following procedure may be used to correct the condition. (See Figures 1 and 2).

1. Raise the vehicle on a hoist. Loosen the clamps at the "Arvinode" muffler and outlet pipe assembly to the "H" type muffler inlet pipe connections and slide them forward.
2. Remove the nuts attaching the R.H. and L.H. intermediate hanger bracket and insulator assembly to the floor pan.
3. Loosen the clamps attaching the rear hanger bracket to the outlet pipe assembly.
4. Remove the R.H. and L.H. "Arvinode" muffler and outlet pipe assemblies from the vehicle. The rear axle will have to be lowered to remove the assemblies.
5. Remove the clamp attaching the intermediate hanger bracket and insulator assembly to the "Arvinode" muffler and outlet pipe assembly and scrap.
6. Place the "Arvinode" muffler and outlet pipe assemblies (one at a time) into a vise and cut the assemblies into two pieces with a hacksaw at the weld joint on the muffler. (See Figure 2). File any irregularities from the outlet pipe after sawing it off and clean any scale from that part of the pipe that will be placed into the muffler.

NOTE: The pipe must be cut at the indicated location or there will be insufficient length of proper pipe diameter to assure a leak proof joint.

7. Install a new intermediate hanger bracket and insulator part number C5ZZ-5A246-D to the new muffler assembly, part C5ZZ-5230-R right hand and C5ZZ-5230-S left hand, using tap screws part number 40160-S8. Torque screws to 6-9 ft. lbs.

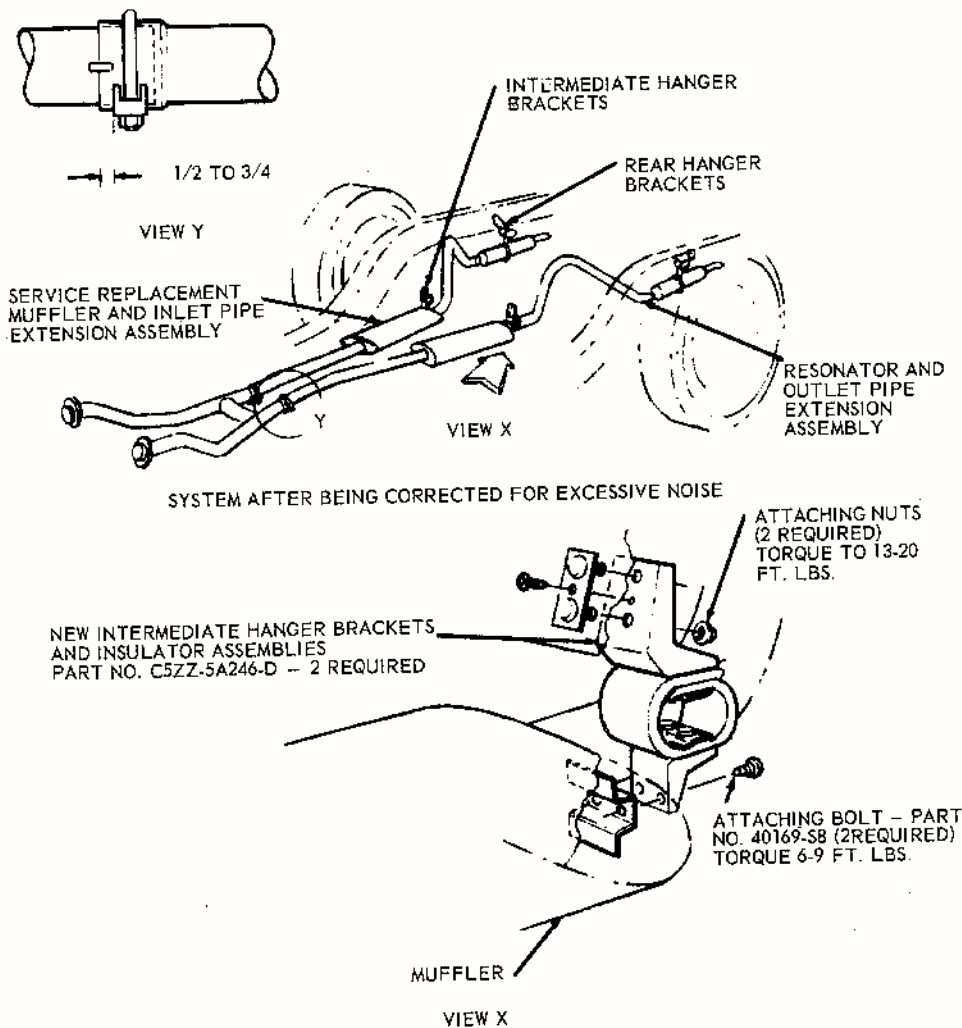


Figure 1

1965 Mustang Exhaust System

8. Slide the R.H. and L.H. muffler assemblies onto the "H" type muffler inlet pipe and place the intermediate hanger brackets onto the attaching bolts. Install the nuts on the hanger bolts and torque them to 13-20 ft. lbs. (See Figure 1).

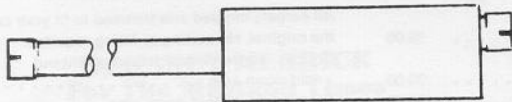
9. Position the clamps on the muffler assembly to "H" type muffler inlet pipe connections and torque them to 13-20 ft. lbs. (See Figure 1).

10. Coat the inlet end of the outlet pipes with an exhaust leak sealer material to assist in making a leak proof connection. Place the resonator and outlet pipe extension assemblies into the vehicle. Slide the outlet pipes into the muffler nipples as far as they will go. Install the clamps attaching the resonators to the rear hanger brackets. Tighten the clamps snug, but not tight. (Figure 1).

11. Install clamps on the connections between the resonator and outlet pipe extension assembly and the muffler assembly. The clamps are to be located as close to the muffler as possible without riding up on the weld bead. (Figure 2). Install the clamp so it clears the intermediate hanger brackets to prevent any possible grounding conditions and also to clear the rear axle pinion nose bumper bracket. Tighten the clamp snug, but not tight.

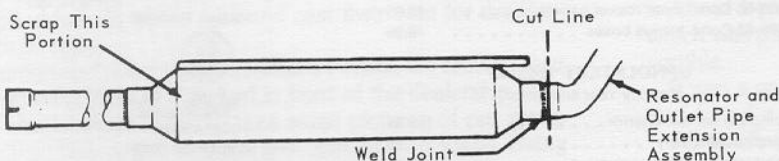
NOTE: The outlet pipes must be fully engaged in the muffler, and the clamp located as indicated or a tight connection will not be achieved and an exhaust leak will result. The installation requires greater care because the area that provides the seal is less than ½ inch wide.

Service Replacement Muffler and Inlet Pipe Extension Assembly



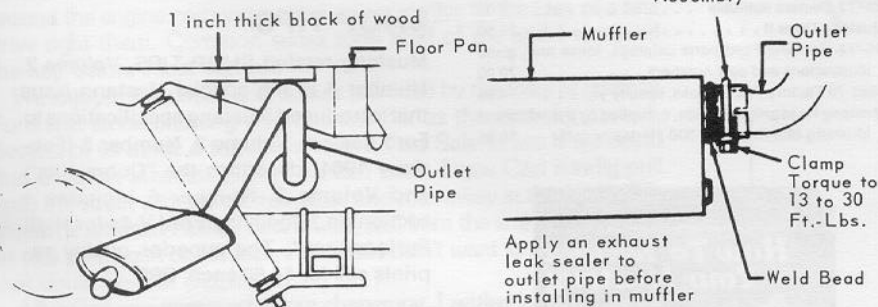
PART NO. C5ZZ-5230-R R.H.
PART NO. C5ZZ-5230-S L.H.

Present "Arvinode" Muffler and Outlet Pipe Assembly



The assembly must be cut apart, using a hacksaw, right at the weld joint. If cut at any other point there will not be sufficient length of correct diameter pipe to provide a leak tight joint. File any irregularities from the outlet pipe after sawing it off. Also, remove any scale from the portion of the pipe that will be placed into the muffler.

Install the Clamp so it clears the Intermediate Hanger Bracket Assembly



Adjust the outlet pipe to a one (1) inch clearance at the closest point to the floor pan. Running a one (1) inch thick block of wood between the floor pan and the outlet pipe will give the required clearance.

Figure 2

1965 Mustang Exhaust System

12. Adjust the outlet pipe so there is a one (1) inch clearance at the closest point between the floor pan and the outlet pipe. Running a one (1) inch thick piece of wood between the pipe and the floor pan will give the required clearance. (See Figure 2).

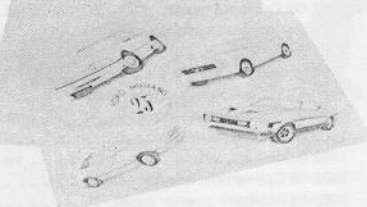
13. Check the location of the resonator on the left hand side of the vehicle to be sure there is sufficient clearance between the resonator and the rear spring and the resonator and the fuel tank.

14. Torque the clamps at the rear hanger brackets and the muffler to outlet pipe connections to 13-20 ft. lbs.

15. Start the engine and carefully check the system for exhaust leaks, especially at the muffler to outlet pipe connections.

(EDITOR'S NOTE: This is the first in a series of monthly articles dealing with specific service problems with 1964½-70 Mustangs. The information is taken directly from Technical Service Bulletins published by the Ford Motor Company. These service bulletins were distributed to authorized factory service departments in the mid-to late-1960's and during the decade of the 1970's. They detail factory recommended service procedures for correcting mechanical problems with Ford Motor Company products.)

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