



SYSTEM #17334

1964 1/2 – 1966 FORD MUSTANG
2-1/4" SYSTEM · DOES NOT FIT CONVERTIBLES

11/05/09

Removal:

- 1) Raise the vehicle up on a hoist or rack to working height and support securely with jack stands.
- 2) Remove the existing system from the header collector or manifold down pipes back.
- 3) The rear seat of the vehicle will have to be removed in order to install the hangers described in Installation Step 3.

Installation:

- 1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.
- 2) Look on the underside of the vehicle on the back side of the rear seat pan. Measure from the frame in towards the center of the car 6-3/4" and make a mark. Then measure from the seam on the back of the seats down along your mark from the frame. Make a mark for your first hole 3/4" down and a mark for your second hole 3-1/2" down. Confirm that the marks are 6-3/4" from the frame. Center punch both marks and drill them out to a 3/8" hole. These measurements will be the same on both sides. *(Note: See diagram 1 on page 3 of these instructions.)*
- 3) Take the stud place **#244HA** and push them from the inside of the vehicle into the holes you have just drilled. Place hanger assembly **#230HA(L)** and **#229HA(R)** over the two bolts protruding through the floor. Secure the hangers to the body using the provided 3/8" nuts and lock washers.
- 4) After mounting the hangers into place, slide the rubber hanger **#HA168** onto the hangers. Place the clamp hanger **#254HA(L)** and **#255HA(R)** into the bottom hole of the rubber hangers. Both clamp hangers will point towards the center of the vehicle.
- 5) On the frame at the rear of the vehicle there is either a flat plate bolted to the frame or just two holes punched in the frame. Unbolt the flat plate if it is there. Mount hanger **#231HA(R)** and **#232HA(L)** in those holes. You can bolt the plate on top of the hangers if needed. Be sure the welded hanger rod is towards the front of the vehicle. Use the provided 7/6" x 2-1/2" bolt, and the 7/16" flat washer, lock washer and nut, also place backing plate **#HA313** on the outside of the frame for extra support when bolting hangers to the frame on the rear of the vehicle.

- 6) After mounting the rear hangers in place, slide the rubber hanger **#HA168** onto the hangers. Place the right tailpipe **#16349** over the rear axle and so that the rear of the tailpipe exits between the fuel tank and the leaf spring. Slide the tailpipe hanger through the rubber hanger attached to the frame. Repeat this step for the left tailpipe **#16348**.
- 7) Install the left muffler **#942456** by placing the outlet of the muffler into the clamp hanger **#254HA**. Rotate the muffler to get it level and support with a stand. Tighten the clamp/hanger just enough to hold in position. Repeat this step for the right side using muffler **#942456** and clamp hanger **#255HA**.
- 8) Slide the front of the right tailpipe **#16349** through hanger **#255HA** and into the rear of the muffler. Repeat this step for the left side using tailpipe **#16348**.
- 9) Adjust the rear of the tailpipes so that the angle cut is rotated correctly and is centered between the gas tank and the leaf spring. Repeat this step for both sides of the vehicle.
- 10) Install the front H-pipe assembly **#16346** by placing the rear of the front pipe assembly into the inlets of both mufflers and centering it in the drive line cavity. Support the front of the assembly with a stand, be sure that the muffler and front pipe assembly are level. Once the mufflers and front pipe assembly are in place, check the hangers at the rear of each muffler to see if they are hanging straight down. Adjust the front pipe and the mufflers forward or back as needed to get the correct fit. Once the desired fit is achieved, place a 2-1/4" clamp onto the inlet of each muffler and tighten just enough to hold in position.
- 11) It will be necessary to adapt from your existing headers or manifold downpipes to the Flowmaster H-pipe assembly due to the many different variables in header/manifold down pipe locations. The pieces required to do this are not included in this kit.
- 12) Remove temporary support and allow the system to suspend on the hangers.
- 13) Adjust the position of all muffler, pipes and tips to provide a satisfactory fit. Maintain a minimum of 3/4" clearance between the Flowmaster system, the drivetrain and chassis components, while also keeping suspension travel and vibration in mind.
- 14) Tighten down all clamped connections securely. After the system is secure, slide the 7/16" hanger keepers onto the ends of all the hanger rods above the mufflers and the hangers that support the tailpipes. This will prevent the hangers from slipping out of the rubber mounts.
- 15) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.

PACKING LIST

<u>Qty</u>	<u>Description</u>	<u>Part#</u>
2	Muffler	942456
1	H-Pipe Assembly	16346
1	Tailpipe (R)	16349
1	Tailpipe (L)	16348
1	Parts Kit	PK376
1	Muffler Hanger(L)	254HA
1	Muffler Hanger(R)	255HA
1	Top Right Muffler Hanger	229HA
1	Top Left Muffler Hanger	230HA
1	Right Tailpipe Hanger	231HA
1	Left Tailpipe Hanger	232HA
2	Muffler Mounting Plate	244HA
4	2-1/4" Clamp	MC214S
4	Rubber Hanger	HA168
8	7/16" Hanger Keepers	HW502
2	Backing Plates	HA313
4	7/16" x 2-1/2" Bolts	HW219
4	7/16" Nuts	HW104
4	7/16" Flat Washers	HW304
4	7/16" Lock Washer	HW310
4	3/8" Nuts	HW103
4	3/8" Lock Washers	HW309

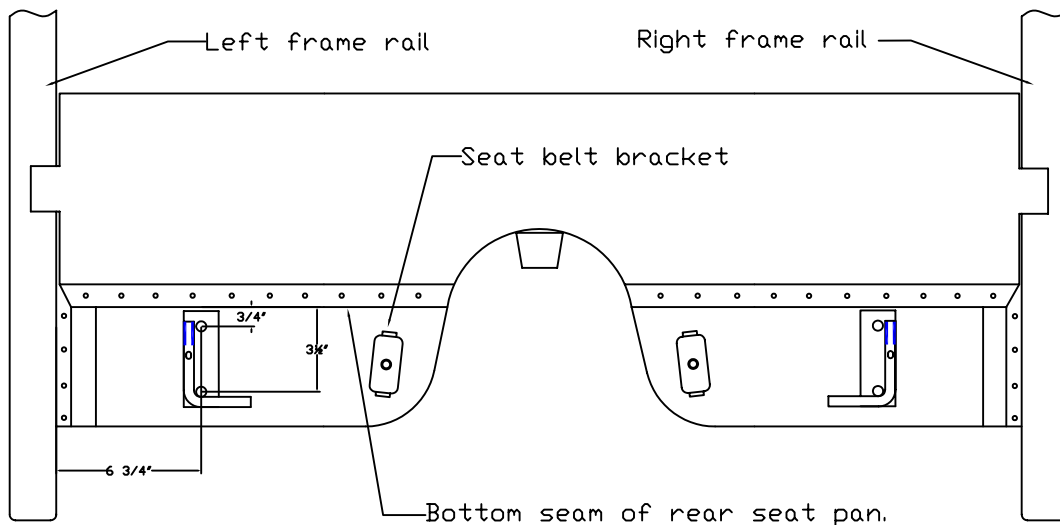


Diagram of installation step 1.



Installation diagram for:

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