

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17289 1966-67 Ford Fairlane (EXCEPT CONVERTIBLE)

Removal:

- 1) Raise vehicle and support securely with jack stands.
- 2) Remove existing system from the header collector or manifold down pipes back.

Installation:

- 1) On the underside of the vehicle slightly forward of the rear axle there are a pair of threaded holes on either side of the vehicle. If the OEM hanger(s) are still there, they will need to be removed. These holes may or may not be pre-threaded, so run a 3/8"-NC tap through them before bolting the new hangers (#HA316) into position. Use two 3/8" x 1" bolts and lock washers to secure each hanger into place.
- 2) On each side of the car at the rear of the vehicle, look for a pair holes about 3½" apart, that were used for the OEM tailpipe hangers. Or if the original hanger is still there, the two nuts that secure the hanger to the uni body must be removed, and the hanger taken off. There will then still be two studs coming out of these holes. These also must be removed, and this is done through the trunk. The two studs are secured to a small plate inside the trunk. This plate has a small hex head sheet metal screw in the center of it which holds it in place. Take this screw out to remove the plate and studs.
- 3) If the vehicle does not have the necessary holes, then two pair of mounting holes will need to be drilled from inside the trunk. With the trunk open and the mat removed, look on each side just above the fuel tank surface, you should see three small dimples in the sheet metal. Using the two outer dimples as centers, drill with a 5/16" bit.
- 4) The right side tailpipe hanger (#233HA) can now be mounted. From the outside, pass the 5/16" x 1" bolts through the hanger and into the holes in the uni body, and install the nuts and washers onto the bolts from inside the trunk. Repeat with left side hanger (#234HA)
- 5) Once the hangers are secured in place, slide a rubber hanger (#HA168) onto each of the hangers.
- 6) Place right tailpipe #16273 over the rear axle and so that the rear of the tailpipe exits between the quarter panel and the leaf spring. Do the same for the left tailpipe #16274.

- 7) Position the left muffler #52556 by placing the outlet of the muffler underneath the right side muffler hanger, and connect the two using a 2-1/2" muffler clamp. rotate the muffler to get it level and support with a stand. Tighten the clamp/hanger enough to hold the muffler in place but still allow for adjustment. Repeat this step for the right side.
- 8) Install the front pipe assembly #16275 by placing the rear of the front pipe assembly into the inlets of both mufflers and centering it in the drive line tunnel. Support the front of the assembly with a stand, be sure that the mufflers and front pipe assembly are level. Once the mufflers and front pipe assembly are in place, check the hangers at the rear of the mufflers to see if they are hanging straight down, adjust front pipe and mufflers forward or back as needed to get the correct fit.
- 9) Install the rear hanger that is welded to each tailpipe into the lower hole of the rubber mount at the rear of the vehicle and then slide the front of the tail pipes into the rear of the mufflers.
- 10) Adjust the rear of the tail pipes so that they are centered between the fender and the leaf spring.
- 11) Once the system is in good position, pipes will need to be fabricated to connect the front of the H-pipe to the manifold down pipes or header collectors using a standard Header Flange or FLOWMASTER Venturi Cone.
- 12) Before final clamping or welding, adjust and align the position of all the pipes to provide a satisfactory fit. Maintain at least 3/4" clearance around the new FLOWMASTER Exhaust System and the chassis, drive train components , brake lines and fuel lines. Also keep suspension travel in mind.
- 13) Make sure all clamped connections are tight so that they will not leak. For a "cleaner" fit the connections may be welded and the clamps removed. NOTE: After the hangers are adjusted to their final position, place the provided hanger keepers onto the end of all the hanger rods above the mufflers and the hangers that support the tail pipes. This will keep the hangers from slipping out of the rubber mounts.

WE STRONGLY RECOMMEND WELDING ALL SLIP-FIT CONNECTIONS.

PACKING LIST FOR KIT #17289

<u>Qty.</u>	<u>Description</u>	<u>Part No.</u>
2	Muffler	52556
1	H-Pipe Assembly	16275
1	Tailpipe (Right)	16273
1	Tailpipe (Left)	16274
1	Parts Kit	PK351
4	2 ½" Clamp	MC250S
2	Muffler Hanger	HA316
1	Rear Hanger Bracket (L)	234HA
1	Rear Hanger Bracket (R)	233HA
2	Rubber Hanger	HA168
4	3/8" X 1" Bolts	
4	5/16" X 1" Bolts	
4	5/16" Nuts	
4	5/16" Lock Washers	
4	5/16" Flat Washers	
4	3/8" Lock Washers	
4	7/16" Hanger Keepers	

LT 10/04/99



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