

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17159

1990-1994 FORD RANGER, EXTENDED CAB/SHORT BED (V6 ENGINES)

Removal:

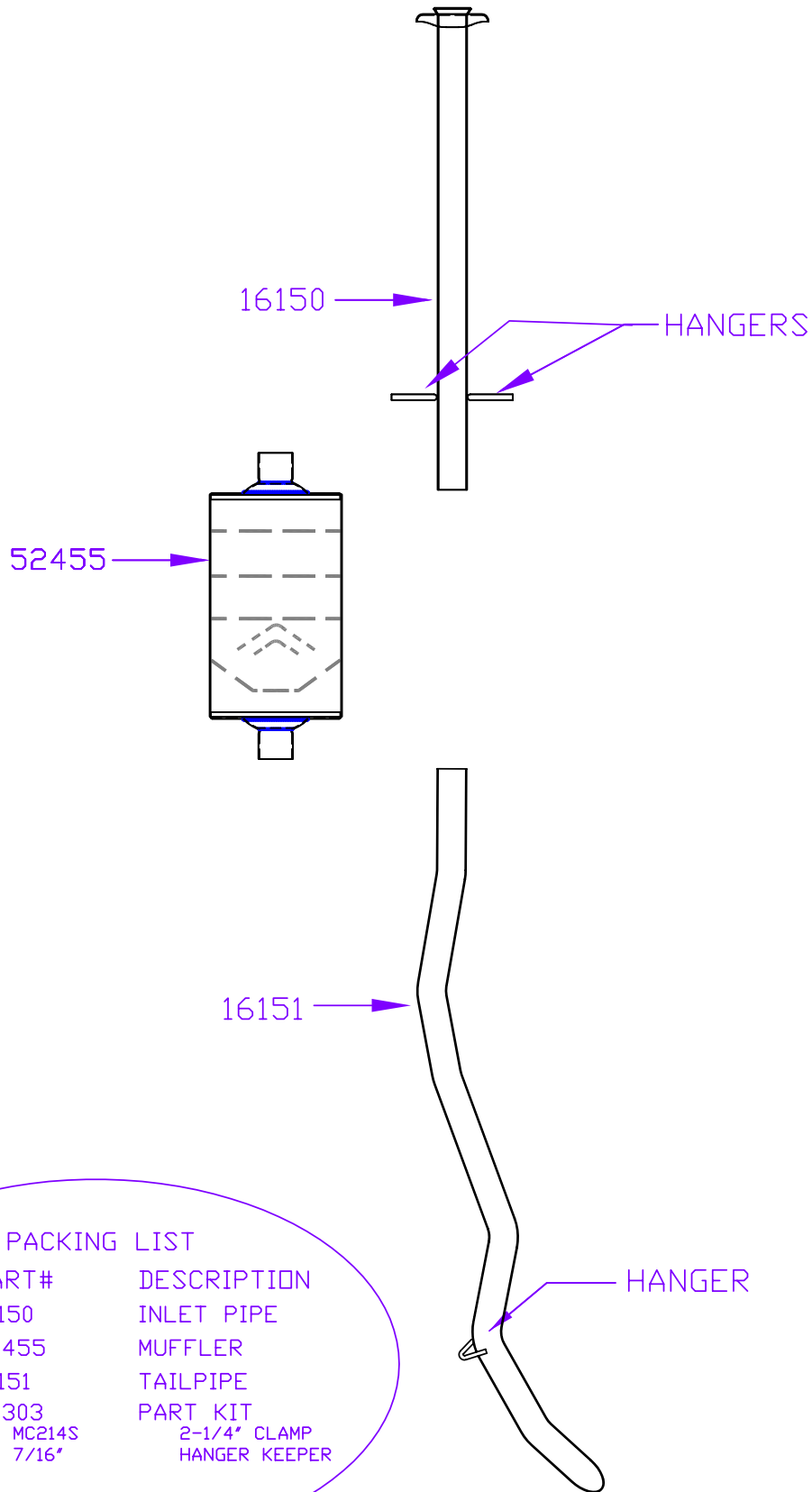
04/17/03

- 1) Raise vehicle and support with stands. To ease removal of the stock system, spray a penetrating lubricant onto the rubber hangers and also the bolts on the front flange.
- 2) Using a hacksaw or sawzall, cut the stock tailpipe where it exits the muffler. (This step is not mandatory, but it makes removal a little easier.)
- 3) Separate the wire hanger on the rear of the tailpipe from the rubber mount on the vehicle. Remove the tailpipe and set aside.
- 4) Support the muffler with a stand, then separate the wire hangers from the rubber mounts in front of the muffler.
- 5) Remove the two bolts at the flanged connection from the inlet pipe to catalytic converter. Remove the muffler/inlet pipe assembly and set aside.

Installation:

- 1) Place inlet pipe #16150 in position behind the catalytic converter. Connect the wire hangers to their rubber mounts and install the stock bolts and nuts back onto the flanged inlet connection.
- 2) Connect the inlet of muffler #52455 to the inlet pipe. Use a stand to support the muffler, and install a 2 1/4" clamp, but do not tighten yet.
- 3) Place "over axle" pipe #16151 into position, and connect it to the muffler outlet. Connect wire hanger to its rubber mount and install a 2 1/4" clamp, but do not tighten yet.
- 4) Adjust the position of all pipes and muffler to provide a satisfactory fit. Maintain at least 3/4" clearance around the system, and also keep suspension travel in mind.
- 5) Tighten all clamps and flange connections securely. For a "cleaner" fit connections may be welded and clamps removed. Then place the supplied 7/16" hanger keepers onto the end of the tailpipe and both inlet pipe hangers and slide them up to the rubber mount to firmly hold the system in place.

*FLOWMASTER AMERICAN THUNDER SYSTEM #17159
 90-94 FORD RANGER, EXTENDED CAB/SHORT BED
 (V6 ENGINES)*



PACKING LIST

QTY.	PART#	DESCRIPTION
1	16150	INLET PIPE
1	52455	MUFFLER
1	16151	TAILPIPE
1	PK303	PART KIT
2	MC214S	2-1/4" CLAMP
3	7/16"	HANGER KEEPER