

FLOWMASTER™

AMERICAN THUNDER™

SYSTEM #17118

1994-96 CHEVROLET IMPALA SS

08/16/01

Removal:

- 1) Raise the vehicle and support securely with jack stands.
- 2) Using a hacksaw or sawsall, cut the stock tailpipes off just behind the mufflers (the pipes can be un-clamped and removed without cutting if desired.)
- 3) Remove the two bolts which secure the clamp-hanger behind the left side catalytic converter.
- 4) Using a 15 mm socket, remove the two bolts on each of the flanges behind the left and right side catalytic converters.
- 5) Separate the rubber mounts behind the muffler from the wire hangers welded to the muffler body.
- 6) Remove the both muffler/headpipe assemblies from under the vehicle.
- 7) Separate the two rubber mounts at the rear of each tailpipe, from the wire hangers on the pipe.
- 8) Remove the tailpipes from under the vehicle.
- 9) Remove the four rubber mounts that support the tailpipes from the brackets on the frame, and save for use with new system.

Installation:

- 1) Use flange #SF003 to secure tube #TB248 to the right side catalytic converter.
- 2) Position pipes # 16096 and #16097 in the factory position behind the catalytic converters. Install the original bolts at the left flange joint and a 2¼" clamp at the right side slip connection. Lightly tighten, but allow for adjustment.
- 3) Install the provided 2" clamp at the crossover, but do not tighten yet.

- 4) Install the muffler assemblies #52458-107 and #52453-108 onto the rear of the inlet pipes (installed in Step 1). Connect the wire muffler hangers to the rubber mounts, to support the system. Install 2¼" clamps provided but do not tighten yet.
- 5) Install the four rubber mounts removed in Step 9, onto the wire hangers on new tailpipes #16098 and #16099.
- 6) Position the tailpipes over the axle into the muffler outlets, and connect the four rubber mounts to the brackets on the frame. Install 2¼" clamps provided, but do not tighten yet.
- 7) Adjust the position of the mufflers and pipes to provide a satisfactory fit
- 8) Connect clamp/hanger #191HA in the factory position behind the left catalytic converter flange. Do to variations in the stock converter assemblies, it may be necessary to use one or more of the 3/8" washers as shims between the hanger bar and the mount.
- 9) Check the position of all pieces; there should be a minimum of ½" clearance between the system and all suspension, chassis and drive-train components. (Also keep suspension travel in mind)
- 10) Securely tighten all clamped connections. For "cleaner" installation, the slip fit connections can be welded, and the clamps removed.

Packing List

<u>Qty..</u>	<u>Description</u>	<u>Part #</u>
BOX 1 of 2 #5003		
1	Muffler - Right	52458-107
1	Muffler - Left	52458-108
BOX 2 of 2 #1005		
1	H-pipe - Right	16097
1	H-pipe -Left	16096
1	Tailpipe -Right	16099
1	Tailpipe -Left	16098
1	Adapter Pipe	TB248
1	Parts Kit	PK343
1	Clamp/hanger	191HA
5	2-1/4" Clamp	MC214S
1	2" Clamp	MC200S
1	2-1/2" Flange	SF003
5	3/8" Flat Washer	
2	7/16" Hanger Keepers	

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