

FLOWMASTER™

FORCE II

SYSTEM #17217

1992-96 CHEVROLET CORVETTE LT-1 / LT-4

12/10/01

Removal:

- 1) Raise the vehicle and support securely with jackstands.
- 2) *1996 Vehicles only* Remove the oxygen sensor from the left side resonator pipe by first un-plugging the plastic connector, and then using a one inch wrench to remove the sensor itself. Use care, so as not to damage the sensor.
- 3) Using a 15 mm socket, remove the bolt and nuts on the flange behind the left side catalytic converter, and loosen the band clamp at the slip connection behind the right side converter.
- 4) Place jackstands under both of these pipes to support the front half of the system after it is disconnected.
- 5) Using a 13 mm socket, remove the four bolts attaching the four spring hangers to the system; two in front of the resonator and two behind the resonator.
- 6) Place jackstands under the rear of the system to support it when the muffler hangers are removed.
- 7) With a 15 mm socket, remove the one nut on each muffler that secures the "L" hanger to the muffler. Pull the hanger back to disconnect it from the mounting stud on the muffler. Leave the "L" hangers on the vehicle.
- 8) Carefully lower the system and remove from underneath the vehicle. This step may require the help of an assistant.

Installation

- 1) Raise the resonator (#15102) into the stock location under the vehicle and support with stands.
- 2) Join the right side resonator pipe with the catalytic converter outlet. (This is a slip fit connection) This will allow the left side ball flange to be connected with the stock bolt and nuts. **NOTE:** *If the pipes do not align correctly with the converter outlets, it may be necessary to loosen the bolts where they connect to the manifolds.*
- 3) With the 5/16" x 3/4" bolts and nuts provided, connect the two spring hangers to the top of the resonator hanger mounts.

- 4) *1996 Vehicles only* Remove the plug from the oxygen sensor fitting on the Flowmaster resonator, and re-install the factory oxygen sensor into the fitting. Re-connect the plastic electrical connector.
- 5) Install pipe assembly #26090 into the outlets of the resonator . Install the 2 1/2" clamps at this connection, but leave loose enough to allow for adjustment.
- 6) With the remaining 5/16" x 3/4" bolts provided, connect the two spring hangers to the mounts on pipe assembly (#26090).
- 7) Connect the right side muffler (#425601-101) to the "Y" pipe assembly. Install a 2 1/2" clamp at this joint, but leave loose enough to allow for adjustment. Also connect the stock "L" hanger onto the mounting bracket on the muffler.
- 8) Repeat step #6 on the left side of the vehicle using the left muffler (#425601-102)
- 9) Center the resonator between the seat belt bolts in the drive shaft tunnel. Tighten the left side flange connection; check to be sure the resonator is still centered.
- 10) Install the 2 3/4" clamp on the right side slip fit connection and tighten securely.
- 11) Check the position of "Y" pipe assembly (#26090) to be sure it will not interfere with the driveshaft or differential during suspension movement. (The mounts can be bent to adjust the height of the assembly.) Tighten the clamps down securely.
- 12) Adjust the position of the mufflers to center the tips in the tailpipe cutouts of the valence. Tighten clamps securely.
- 13) Check the position of all pieces; there should be a minimum of 1/2" clearance between the system and all suspension , chassis and drive-train components. (Also keep suspension travel in mind)

Packing List

Box 1 of 2 #5002

1	Muffler - Right	#425601-101
1	Muffler - Left	#425601-102

Box 2 of 2 #1014

1	Resonator	#15102
1	"Y" pipe assembly	#26090
1	Parts kit	#PK115
4	2 1/2" clamps	#MC250S
1	2 3/4" clamp	#MC234S
4	5/16" X 3/4" bolts	
4	5/16" nuts	
4	5/16" flat washers	
4	5/16" lock washers	

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