FLOWMASTER™

DELTA FORCE™
SYSTEM # 17201
1967-1969 CHEVROLET CAMARO/PONTIAC FIREBIRD
W/V8 ENGINES (DOES NOT FIT CONVERTIBLES)
(3" SYSTEM)

03/29/04

NOT FOR USE ON POLLUTION CONTROLLED VEHICLES
(WELDING MAY BE REQUIRED)

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 is a pair of holes on both sides of the vehicle that will be used to mount the rear muffler hangers, **#200HA (for the left side)** and **#201HA (for the right side)**. Once the two hangers are mounted they will point towards the center of the vehicle. Use two **5/16"x1" bolts** to secure both hangers into place. If the car originally had single exhaust, in some cases the left side will have small dimples where the holes will need to be drilled with a **3/16" bit**. In this case use the **¼" self tapping screws** for mounting the left side hanger.

2)   After mounting the hangers in place, slide a **HA168** rubber hanger onto each of the mounted hangers. Place right tailpipe **#26217** over the rear axle and so that the rear of pipe exits between the quarter panel and the leaf spring. Do the same for the left tailpipe **#26216**. (Jacking up the body will be necessary to get the tailpipe over the axle).

3)   Once the tailpipes are in place slide the hangers that are welded to the front of each tailpipe into the rubber mounts that were installed in step 2. (A lubricant of some type makes this easier). Next place two more **HA168** rubber hangers onto the hangers welded to the rear of each tailpipe, then slide the left side frame hanger **#320HA** and the right side **#319HA** into the top of the **HA168** rubber hanger that you just placed onto the rear tailpipe hangers. Next hold each tailpipe frame hanger into place against the frame so that the rubber mount at the front and rear of the tailpipe is straight up and down. Mark the bottom and inside hole of each hanger, these will be drilled with a **3/16" bit**. Once drilled attach each frame hanger to the frame with the four **¼": self tapping screws** supplied.

4)   Take one **#953046** muffler and place one of the supplied **MC300R** ring clamps onto the outlet. (Adding a small amount of anti-seize onto the threads of the clamps will ease tightening.) Then place the front of the **26216** left tailpipe into the outlet of the muffler. Support muffler with a stand and tighten the ring clamp enough to hold into place but allow for adjustment (muffler should be sitting level). Repeat this step on the right side with the right tailpipe **#26217**.

5) Place a supplied **MC300R** ring clamp onto the inlets of each muffler, then place the rear of H-Pipe assembly **#26214** into the inlets of the mufflers and center the assembly in the drive line cavity. Support the front of the assembly with a stand; be sure that the mufflers and H-pipe assembly are level. Once the mufflers and H-pipe assembly are in place check the tailpipe hangers to see if they are hanging straight down, adjust the H-pipe and mufflers forward or back as needed to get the correct fit. Tighten the ring clamps enough to hold but allow for adjustment.

6) Place a supplied **MC300R** ring clamp onto the inlets of the H-pipe assembly **#26214**. The front adapter pipes **#26213 (2)** are long enough to allow for many different header combinations; therefore it will be necessary to determine the proper length of the adapter pipes. Once the proper length is determined trim the front adapter pipes to the length required and raise them into position. Connect the adapter pipes to the H-pipe and then the header collectors or manifold down pipes using a standard header flange, Flowmaster venture cone or Flowmaster ball flange kit. Tighten the ring clamps enough to hold but allow for adjustment.

7) Adjust the rear of each tailpipe so that it is centered between the fender and the leaf spring. Repeat this step for both tailpipes. In this area, a minimum clearance of ¼" on either side of the pipe is recommended.

8) Make any final adjustments to the position of the mufflers and pipes. Allow a minimum of **¾" clearance around all parts**. Be sure to allow adequate clearance for full suspension travel and vibration Tighten down all clamps securely. Place the supplied **7/16" push on hanger keepers** onto the ends of the tailpipe and frame hangers and slide them up to the rubber mounts. This will hold the system firmly in place.

NOTE: WE STRONGLY RECOMMEND WELDING ALL SLIP-FIT CONNECTIONS.
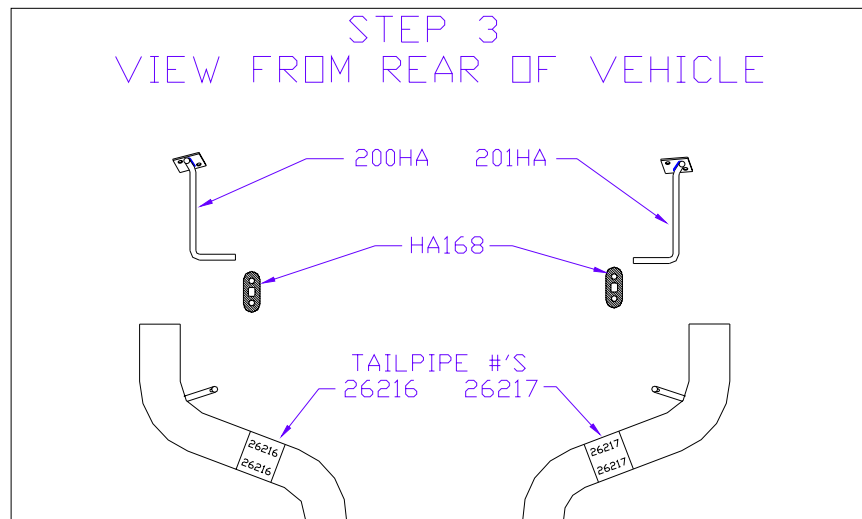
Packing List

Qty.		Part # or Size	Part
BOX 1 OF 2 (5024)			
2		953046	Muffler
BOX 2 OF 2 (1048)			
2		26213	Connector Pipe, (R/L)
1		26214	H-Pipe Assembly
1		26216	Left tailpipe
1		26217	Right tailpipe
1		PK436	Parts kit
	6	MC300R	3" Ring Clamps
	4	HA168	Rubber Hanger
	1	200HA	Left Muffler Hanger
	1	201HA	Right Muffler Hanger
	1	319HA	Right Frame Hanger
	1	320HA	Left Frame Hanger
	4	HW204	5/16"x 1" Bolts
	6	HW214	¼"-14 x 1" Self Tapping Screw
	4	HW308	5/16" lock Washer
	8	HW502	7/16" Hanger Keepers

Helpful hints

FOR CHALLENGES YOU MAY ENCOUNTER WHILE
INSTALLING KIT #17201

1)   In Step 1 of the instructions there are two holes that are located on the underside of the vehicle just forward of the rear axle. If the holes are not being currently used to support the old exhaust system, it may be that they may have become gummed up and could use a little attention with a 5/16"-18 tap to clean out the threads to ease the installation of the bolts.

2)   In Step 2 of the instructions you are instructed to place the right and left tail pipes over the rear axle and exit them between the quarter panel and the leaf spring. To simplify the installation of the tailpipe over the rear axle, the rear of the vehicle may have to be jacked up to increase the clearance between the rear axle and the underside of the car. This will allow the tailpipe to slip in easier. We recommend putting the tail pipes in first because there is not much room to install them after the mufflers are in place.

Step 3 Diagram.

STEP 3
VIEW FROM REAR OF VEHICLE

200HA   201HA

HA168

TAILPIPE #'S
26216   26217

26216
26216

26217
26217

FLOWMASTER DELTA FORCE SYSTEM #17201
1967-69 CAMARO / FIREBIRD
3" SYSTEM

26213

26213

26214

953046

953046

200HA

201HA

HA168

26216

26217

320HA

319HA

HA168

HA168

G.G.03/09/04