



# DELTA FORCE<sup>®</sup>

## SYSTEM #17201

1967-1969 CHEVROLET CAMARO/PONTIAC FIREBIRD  
3" SYSTEM • DOES NOT FIT CONVERTIBLES

12/01/09

### Removal:

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

### Installation:

- 1) Before installing anything, prep the clamps supplied in the hardware kit by removing the nuts, and applying a thick lubricant such as white grease or anti-seize to the threads.
- 2) 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 1/4" self-tapping screws for mounting the left side hanger.
- 3) After mounting the hangers in place, slide the **#HA168** rubber hanger onto each of the mounted hangers. Place right tailpipe **#26217** over the rear axle and so that the rear of the 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.*)
- 4) 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 will make this easier.*) Next, place two more **#HA168** rubber hangers onto the hangers welded to the rear of each tailpipe. 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. 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 1/4" self-tapping screws supplied. (*See Step 3 Diagram on helpful hints page.*)
- 5) Take one **#953046** muffler and place one of the supplied **#MC300R** ring clamps onto the outlet. Place the front of the **#26216** left tailpipe into the outlet of the muffler. Support the muffler with a stand and tighten the ring clamp enough to hold, but still allow for adjustment (muffler should be sitting level). Repeat this step on the right side with the right tailpipe **#26217**.

6) 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 still allow for adjustment.

7) 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 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 still allow for adjustment.

8) 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 1/4" on either side of the pipe is recommended.

9) Make any final adjustments to the position of the mufflers and pipes. Allow a minimum of 3/4" clearance for suspension travel. Be sure to allow adequate clearance for full suspension travel and vibration. Tighten down all clamped connections securely. Place the supplied 7/16" hanger keepers onto the ends of the tailpipe and frame hangers and slide them up to the rubber mount. This will hold the system firmly in place.

10) For a cleaner appearance and more secure installation, we highly recommend welding all slip-fit connections. If you live in a geographical area that has harsh winters or sees a great deal of precipitation, the use of high temperature paint over the welded areas can help to prevent surface rust and premature corrosion.

### PACKING LIST

	<u>Qty</u>	<u>Description</u>	<u>Part #</u>
<b>Box 1 of 2 (5024)</b>			
	2	Mufflers	953046
<b>Box 2 of 2 (1048)</b>			
	2	Connector Pipe (R/L)	26213
	1	H-Pipe Assembly	26214
	1	Left Tailpipe	26216
	1	Right Tailpipe	26217
	1	Parts Kit	PK436
	6	3" Ring Clamps	MC300R
	4	Rubber Hangers	HA168
	1	Left Muffler Hanger	200HA
	1	Right Muffler Hanger	201HA
	1	Right Frame Hanger	319HA
	1	Left Frame Hanger	320HA
	4	5/16" x 1" Bolts	
	6	1/4"-14x1" Self-tapping Screws	
	4	5/16" Lock Washers	
	8	7/16" Hanger Keepers	



Installation diagram for:  
**SYSTEM #17201**  
1967-1969 CHEROLET CAMARO/PONTIAC FIREBIRD  
3" SYSTEM • DOES NOT FIT CONVERTIBLES

# DELTA FORCE <sup>®</sup>

