

FLOWMASTER™

DELTA FORCE™

SYSTEM # 17379

1970-1974 MOPAR "E" BODY BARRACUDA/CHALLENGER (3" SYSTEM)

3/2/06

Installation:

- 1) On the bottom of the rear frame rails forward of the bumper, you will find large brackets on each side of the vehicle that are secured with two bolts that screw vertically into the frame. Remove the bolts and insert a spacer **#HA418** in between the bracket and the frame at the front holes, then put the front bolts back in to secure the brackets. Now slip the hanger mounts **#305HA** in between the frame and brackets at the rear hole locations. Then reinstall the rear bolts, and tighten everything down securely. (The hanger mounts should point to the middle of the vehicle, and be offset "up". –See the diagram) Install a rubber hanger **#HA168** onto each hanger rod.
- 2) On the right, rear section of the floor pan just ahead of the rear axle there is a factory hanger bracket spot welded in place. Fasten the hanger mount **#307HA** to the inner side of the bracket with a 3/8" bolt washer and nut. Slide a rubber hanger **#HA168** onto the hanger mount. Slide clamp hanger **#288HA** into bottom hole of the rubber hanger. (Both hanger rods should point to the middle of the vehicle.)
- 3) The std. Barracuda/Challenger have no factory locations for a left side muffler hanger, so you will need to drill some holes. Take the hanger mount **#306HA** and try to mirror the location of the right hanger as close as you can. Mark the two hole locations and drill the pan with a 3/8" bit. Now you must go inside the vehicle and remove the rear seat so that you can see the holes you drilled. Place the mounting plate **#244HA** through the holes, and replace the seat. Now go back and fasten the hanger mount in place with 3/8" nuts and washers. Slide a rubber hanger **#HA168** onto the hanger mount. Slide clamp hanger **#287HA** into bottom hole of the rubber hanger. (Both hanger rods should point to the middle of the vehicle.)
- 4) Place the mufflers up into position and support with stands, then place the outlets of the mufflers into the clamp hangers and tighten just enough to hold in place.
- 5) Slide a 3" clamp **#MC300R** over each muffler inlet, then place H-pipe assembly **#26162** in its approximate position underneath the vehicle and connect the back of H-Pipes into the muffler inlets and support with a stand. Tighten clamps just enough to hold but loose enough to allow for adjustment.
- 6) Place the left tailpipe **#26164** up over the rear axle, and into the outlet of the muffler. Support the rear of the tailpipe by slipping clamp/hanger **#288HA** over the rear of the tailpipe, and into the rubber hanger that was installed in step 1. Tighten down just enough to hold in position. Repeat this process on the right side using tailpipe **#26165** and clamp/hanger **#287HA**.
- 7) Insert the short end of the exit pipes **#26166** into slip fit connection at the back of the tailpipes and adjust to fit. (If desired, these pipes can be trimmed down or modified to work with a variety of tips.)

- 8) The front connector pipes #26180 (Left) and #26181 (Right) are long enough to allow for many different header combinations therefore, it is necessary to determine the proper length of the connector pipes. Once the proper length is determined, trim the front connector pipes to fit.
- 9) Once the connector pipes are cut to proper length, raise them into position and connect them to the H-Pipe and header collectors or manifold down pipes using a standard header flange, Flowmaster venturi cone, or Flowmaster Ball Flange kit.
- 10) Make any final adjustment to the position of the mufflers and pipes. Allow a minimum of 3/4" clearance around all parts. Then tighten down all clamps securely and install the 7/16" push-on hanger keepers on the round stock sticking through the rubber muffler hangers. Be sure to allow adequate clearance for full suspension travel and vibration.

NOTE: WE HIGHLY RECOMMEND WELDING ALL SLIP-FIT CONNECTIONS.

Packing List

<u>Qty.</u>	<u>Part # or Size</u>	<u>Part</u>
BOX 1 OF 2 (5033)		
2	953046	Muffler
BOX 2 OF 2 (1037)		
1	26180	Connector Pipe, (L)
1	26181	Connector Pipe, (R)
1	26162	H- Pipe Assembly
1	26164	Left tailpipe
1	26165	Right tailpipe
2	26166	Exit pipes
1	PK420	Parts kit
2	287HA	Clamp Hanger
2	288HA	Clamp Hanger
1	306HA	Muffler Hanger Mount (L)
1	307HA	Muffler Hanger Mount (R)
2	305HA	Tailpipe Hanger Mount (R/L)
1	244HA	Hanger Mounting Plate
2	HA418	Spacers
4	HA168	Rubber Hanger
4	MC300R	3" Ring Clamps
8	HW502	7/16" Hanger Keepers
3	HW303	3/8" Flat Washer
3	HW309	3/8" Lock Washer
3	HW103	3/8" Nuts
1	HW208	3/8" X 1" Bolt

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 1970-74 MOPAR E-BODIES
 3" PIPES

