

Dual Master Cylinder Conversion Installation for 1963-66 Corvettes
(These instructions were written by one of our customers: Ken Reimer. You can contact him with any questions or comments at krriemer@aol.com)

Optional hardware kit (suggested)

- *2 nuts (master cylinder bolts)
- *clip for rear block #P-220
- *bolt for front block to frame

Installation instructions (body on frame)

- *hit all fittings with brake cleaner to insure clean fittings prior to removal

***front of car**

- *loosen the three fittings at front block; do not remove
- *loosen fitting for line into old master cylinder
- *loosen (two) nuts holding master cylinder to firewall (back off nuts to almost end of studs)
- *remove line from master cylinder (large rag underneath to catch any fluid)
- *remove master cylinder from firewall (large rag underneath to catch any fluid)

***rear of car**

- *rear block is on bracket attached to frame just forward of left rear caliper
- *loosen/disconnect three lines into block(1-from master cylinder; 2-to right rear brake line; 3-to left rear brake)
- *using screwdriver and hammer tap out clip holding rear block to bracket
- *remove original line from old master cylinder to rear block (if one piece brake line, a hacksaw may help)
- *route new brake lines into place:
 - *start with end attaching to rear block
 - *maneuver line as far through gap as tubing bends allow
 - *next, route other end of rear tubing piece through frame opening (go through opening in frame, not over frame as the driver side seat well extends down lower than the top of frame so tubing cannot go over frame. With rear tubing piece inserted as far back as possible, tubing will still have to be slightly bowed/bent to be able to pass through frame opening. Do not crimp tubing!)
- *with rear tubing piece in place connect three lines to rear block (connect flex to rear caliper first; if stainless steel line do not over tighten as rear brass block may fail and brake – yes, I’ve done that in the past!)
- *connect right rear brake line
- *connect new rear brake line tube (finger tighten only to allow for movement if necessary as rest of brake line is connected)
- *with new rear brake tubing in place (do not clip to frame yet) route new front piece of brake tubing into place
- *once front fitting of brake tubing is located near master cylinder, connect and tighten the two pieces at the fitting near the middle of the frame

- *bench bleed new master cylinder (provide separate instructions)
- *connect new front and rear brake tubes to new master cylinder
- *snug up brake line connections at master cylinder
- *snug up fittings/connections at front block
- *snug up fitting connections at rear block
- *bleed brake system (provide separate instructions)
- *once brakes are bled, clip rear line to frame
 - *use hardware store medal screws (3/8)
 - *front most clip may require medal screw to be cut shorter due to space limitations between footwell and frame

Step by Step Photos

- 1) Original master cylinder and single outlet brake line
- 2) Tubing arrangement from original master cylinder to front block
- 3) Front block (original); inlet from master cylinder, outlets to left and right brakes, outlet to rear brake block
- 4) New front block
- 5) Tubing from master cylinder disconnected
- 6) Old master cylinder removed

- 7) New block with new line from master cylinder and original front brake lines
- 8) New line run to rear block (rear driver side frame)
- 9) New line runs through frame opening
- 10) New line coming through frame to front of car

- 11) New line going up to master cylinder (front of car)
- 12) New master cylinder installed
- 13) Other view of new master cylinder
- 14) New rear brake line clipped in to frame (mid-frame)
- 15) New rear brake line clipped in to frame (front of car)

- 16) Corvette after successful test drive!!!
- 17) Corvette after successful test drive!!!

Plus 2 pictures of a Brake Booster (#BB-2N) Installed on a 1967 that previously had a non-power brake system.



1)



2)



3)



4)



5)



6)



7)



8)



9)



10)



11)



12)



13)



14)



15)



16)



17)



**Installation of a Brake Booster (#BB-2N)
on a non-power brake car**

1967 Corvette 8/15/2008

