



Suggested Installation Instructions for: 603-133, 1965-1982 Stainless Steel Parking Brake Kit

Please read instructions completely before starting. Keep in mind that removal of wheel spindle will make mounting this kit easier, but spindle removal requires special tools. Also this is the perfect time to do a number of things, such as: rear wheel bearing change, stainless steel calipers (which you must remove to mount SS Parking Brake Kit), and caliper brake lines. All parts will be listed below with Mid America's part numbers.

Step #1

Remove steel caliper line. Carefully remove rear caliper. Insert Mid America Designs piston clips, item #602-980 (18351) or equivalent to keep pistons in place.

Step #2

Now you must decide if you want to remove the spindle. If you choose to remove spindle, it's time to change bearings and seals since you are removing them anyway. Use Kit #602-676 (10741), Rear Bearings & Seals. To remove spindle, first remove half shaft. (Now is a good time to change U-Joints.) Install spindle remover press, item #602-640 (18838) or spindle knocker, item #602-642 (18925) and remove spindle and rotor as a unit without removing rivets from rotor. If you choose not to remove spindle you must drill rivets holding rotor to spindle. (Don't forget to mark location of rotor to spindle for adjusting purposes.)

Step #3

Now is the time to get a good mental picture of how the shoes, springs, adjusting screw, actuating lever, etc. are attached. You could even make a drawing for later reference.

Step #4

Loosen tension of parking brake cable at equalizer adjustment. Disconnect cable at actuating lever.

Step #5

Removal of parking brake shoes.

1. Remove upper spring.
2. Remove hold down caps by pressing in and making a quarter circle turn.

3. Remove shoes and lower adjusting screw spring and screw adjuster. (Note direction of screw adjuster for reassembly.)

Step #6

If you removed the spindle. Install assembled actuating lever through 'T' slot in backing plate the same way you removed the old lever. If you did not remove spindle you must put each piece on wheel separately, then assemble them together.

Step #7

Installing parking brake shoes. Unless you removed backing plate, one rear hold down pin must be reused. 1. Now you can use your mental picture or diagram to re-assemble shoes. Put one shoe on by holding spring and cap down on pin and turning 1/4 turn. Place other shoe in position and attach spring and cap over pin. 2. Make sure actuating lever is in notches of brake shoes and install upper retractor spring. 3. Spread shoes apart at bottom and install starwheel assembly. On the left side (driver's side) of car, the starwheel should be closer to rear of car. On the right side, the starwheel should be closer to front of car.

Step #8

Reinstall brake cable in slot of actuating lever. Adjust cable at equalizer adjuster. Test by pulling parking brake handle a few times to remove slack.

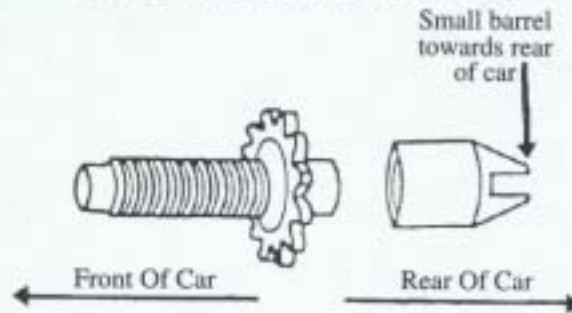
Step #9

Position rotor in same position as before. Turn rotor so starwheel appears through hole at bottom of rotor. Adjust brake shoes through hole in rotor. Use a screwdriver to adjust starwheel. Turn starwheel until shoes touch rotor. Turn rotor by hand, adjust until tight. Now back adjustment off until rotor turns but shoe is still making contact with rotor.

Step #10

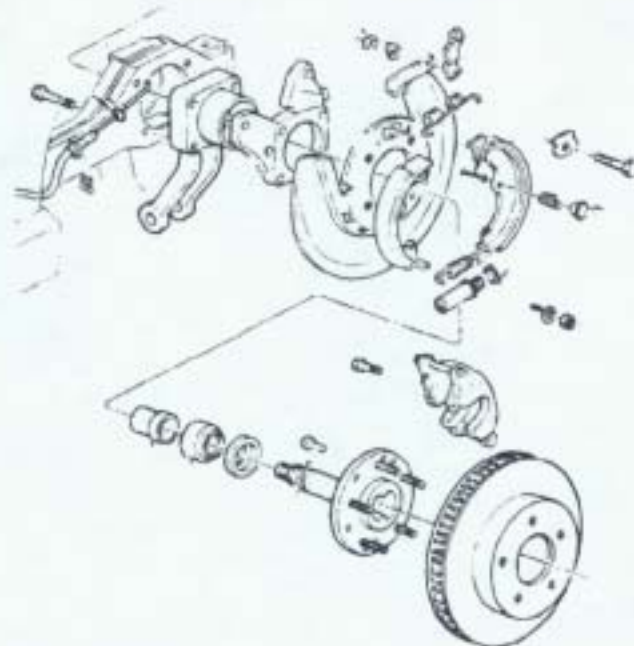
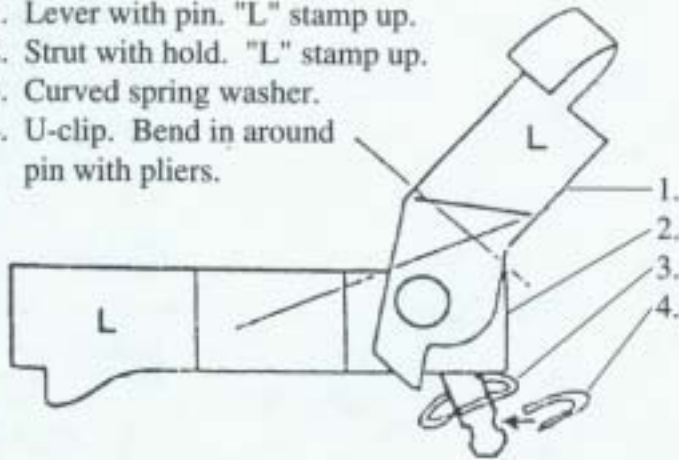
Reinstall brake caliper and brake lines. B Teed brakes. Step #11 Fine adjust parking cable at cable equalizer.

STARWHEEL ADJUSTING SCREW POSITION LEFT SIDE (DRIVERS SIDE)

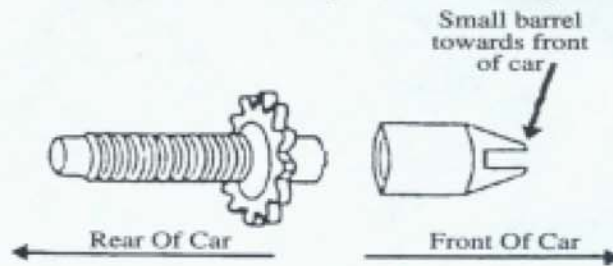


Left Side Pieces

1. Lever with pin. "L" stamp up.
2. Strut with hold. "L" stamp up.
3. Curved spring washer.
4. U-clip. Bend in around pin with pliers.

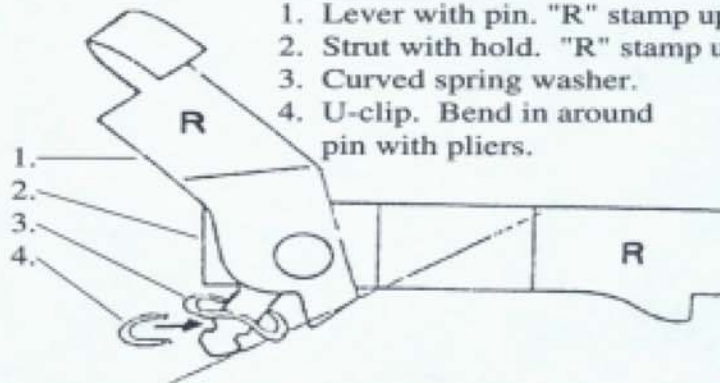


STARWHEEL ADJUSTING SCREW POSITION RIGHT SIDE (PASSENGER)



Right Side Pieces

1. Lever with pin. "R" stamp up.
2. Strut with hold. "R" stamp up.
3. Curved spring washer.
4. U-clip. Bend in around pin with pliers.



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#18563 Stainless Steel Parking Brake Kit for 1965-82 Corvettes

