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INSTALLATION INSTRUCTIONS

1961-1964 FORD THUNDERBIRD BOOSTER/MASTER/PROPORTIONING VALVE INSTALL

IMPORTANT NOTICE – READ ALL INSTRUCTIONS PRIOR TO STARTING THE DISC BRAKE INSTALL

Before getting started...this install should only be attempted by a qualified installer with extensive knowledge of disc brake systems!

It is very important to bench bleed the master cylinder before you put the booster assembly into the car.

When complete use DOT3 brake fluid in the brake system. If you have brake fluid in your brake system other than DOT3, fully flush the system and refill with DOT3.

If you plan to paint or plate any of the parts in this kit you must first test fit everything to ensure proper fit. The kit cannot be returned for credit once any part is painted, plated or brake fluid run through.

DISASSEMBLY AND REASSEMBLY WITH BOOSTER/MASTER/PV

If you are installing disc brakes on the front of your car, that part of the install should be completed before you start this part of your brake install.

Because brake fluid is corrosive you will want to have something in place to catch and clean up any brake fluid that spills while you disassemble your old manual brake setup.

1. Unbolt and swing the body support brace bracket out of the way as shown in these pictures.



2. Remove the old existing brake components.
 - You will need to make your own hard brake lines to go from the master cylinder to the front and rear brakes because the master cylinder has separate ports for the front and rear brakes.

Once you have removed all of the old existing brake components you are ready to install the new booster, dual master, preportioning valve, and brake light switch.

3. Assemble the Booster, master, preportioning valve, and brake light switch as shown in the pictures on the next page.
 - It is a very tight fit so it will help to have this assembled as you proceed.
 - Refer to the [Preportioning Valve Instructions](#) for help assembling the preportioning valve correctly.
 - *Many master cylinders have 4 ports on it, so if your master cylinder is one of these you will need to install the provided plugs into the ports on the passenger side of the master cylinder.*
4. Install the brake pedal clevis rod as shown in the pictures on the next page
 - You will adjust this clevis rod when you install the booster setup and finish your install.



Notice in these pictures that the booster mounting brackets and shaft for the clevis rod have already been installed. If you should happen to take the assembly apart for some reason it is very important to reinstall the brackets like the pictures above and the rod is installed so the curve is going down as shown in the picture above.

You will want to bench bleed your master cylinder before placing the booster assembly into the car.

Before you install the assembly in the car notice the firewall has some dimples on it as shown in this picture. You will also notice that the booster brackets have a notch to clear the dimples.



5. Install the booster assembly into the car with the clevis rod going through the hole in the firewall and bolt it into place.



You will need to make your own hard brake lines. Use common sense when running your line paying close attention to the exhaust manifold. You will want to run your line leaving as much room between the brake lines and the exhaust manifold as possible.

The rear brake line will go into the very front hole of the proportioning valve. We have provided 2 of the more popular fitting sizes for the rear brake line. Use the appropriate fitting for your line size.

6. Plug the wires back into the brake light switch.
 - Use the wires in the original wiring.
 - The switch is not polarity sensitive, so plugs can go either way.

7. Lift your pedal all the way to the stop and attach the clevis rod.

- You will want to make sure that there is no pressure on the pedal/master cylinder.
- Adjust as needed.



FINAL STEPS

After everything has been installed and properly tightened finish the install by thoroughly bleeding the brakes.

It is EXTREMELY important that the brake system be tested and that YOU confirm it is performing well before ever attempting to drive your vehicle after your disc brakes have been installed!!!

