



## 1990-2000 Miata Brake Proportioning Valve Kit



### Step 1 – Prep your work area

Brake fluid is very corrosive. Before beginning this install, get some towels and place them under the booster to catch any fluid that leaks out.

Drain the brake master cylinder reservoir. This can be done by sucking the fluid out, or by opening the brake bleeders and letting it drain out.



### Step 2 – Remove cruise control module

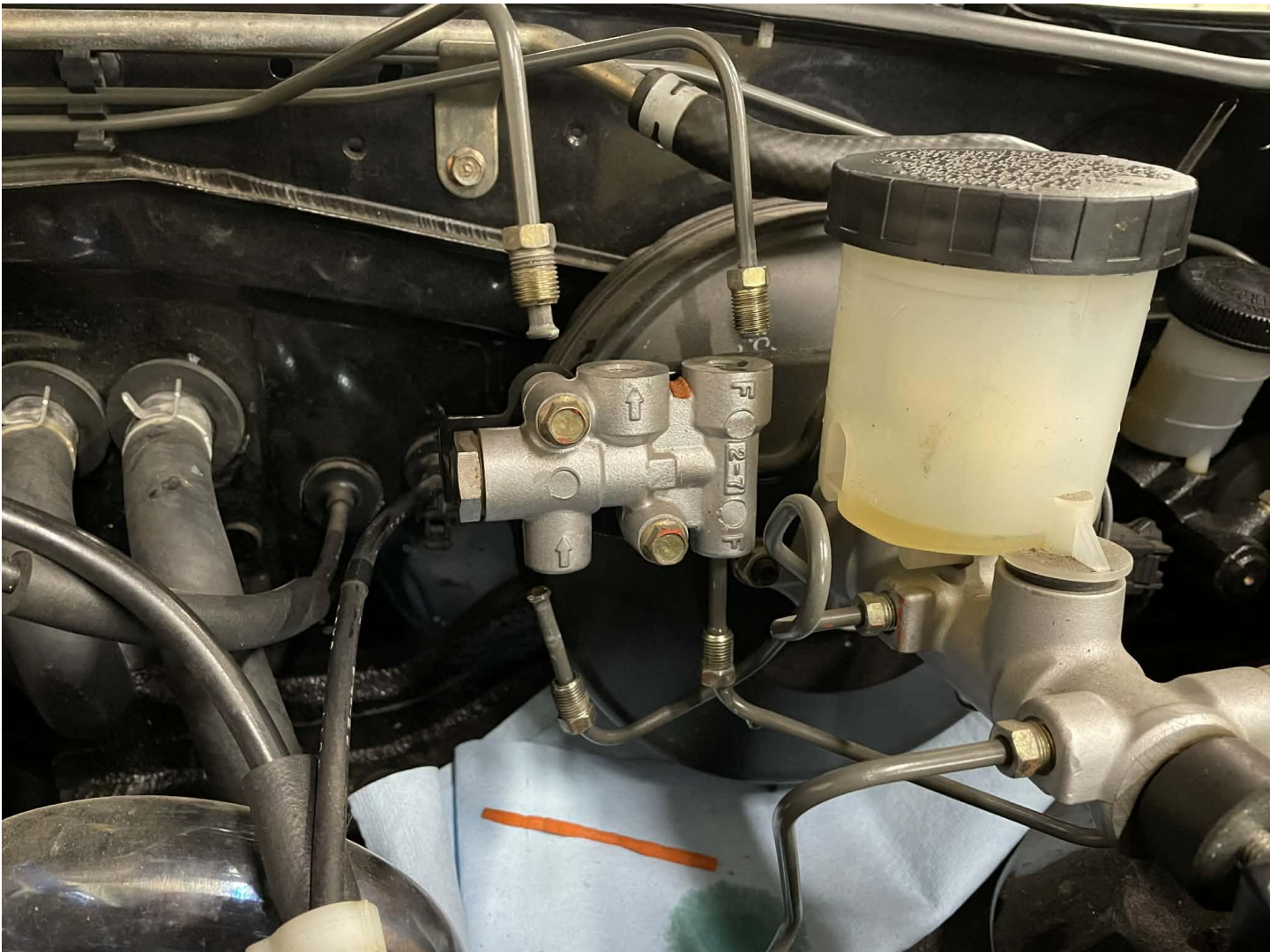
On cars equipped with cruise control, remove the cc module and set it off to one side. This will get reinstalled at the end, but it's much easier to work without it in the way.

Disconnect the plastic line mount from the brake bracket as shown.



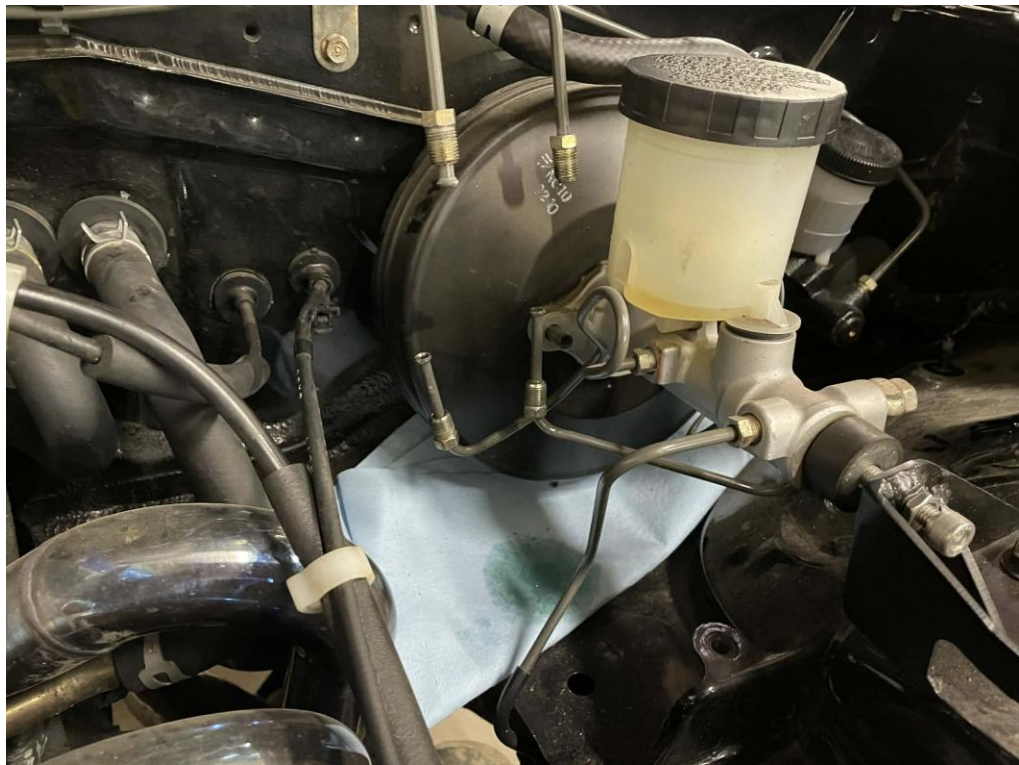
**Step 3 – Disconnect the OEM valve**

Unscrew all four lines going into the OEM proportioning valve. Clean up any fluid that drips out.



**Step 4- Remove the valve bracket**

Remove the two nuts holding on the brake master cylinder. remove the black bracket and OEM valve as shown below.



## Step 5 – Prep the new valve

Install the new valve onto the supplied bracket as shown. We recommend installing with red Loc-Tite, and torquing to 120 in-lbs.



**Step 6 – Install the new valve**

Install the new valve and bracket into the car. Reinstall the two nuts mounting the master cylinder to the booster.

Using the brass coupler, connect the front brake line back to itself as shown below.



### Step 7 – Couple the bias valve line

Connect and tighten the rear brake line as shown. This will require some slight bending of the lines.

Once all lines are tight, reconnect the cruise control module and bleed the brakes.



### Step 8 – Tuning

Once your brakes are bled, you are ready to tune the brake bias. Tightening the knob will increase the available brake pressure to the rear brakes, loosening the knob will reduce the pressure.

Depending on your suspension and tire set-up, the ideal pressure will vary.

