



## 12V ELECTRIC BRAKE VACUUM PUMP KIT INSTALLATION GUIDE

Congratulations on purchasing a Pac Performance 12V Electric Brake Vacuum Pump Kit. We have designed these kits to be as simple & straight forward as possible for DIY installation however, if you are not confident in your capabilities to carry out the install we highly recommend having the job carried out by a professional with the correct tools and experience.

### COMPONENT LIST

12V Vacuum Pump  
3L Remote Reservoir With Sensor Switch  
Vacuum Hose, T-Fitting, Clamps & Inline Filter  
Mounting Hardware

### INSTALLATION NOTES

This compact & efficient system has been matched perfectly to performance applications where space is a premium, providing a pre-wired, maintenance-free 12V Electric Brake Vacuum Pump & large reservoir featuring durable bracketry for easy, hassle free DIY installation. While the kit is universal & can be mounted in any suitable location, for applications in early model Mazdas we recommend installation under the drivers side guard as referenced below.

**Step 1:** Remove the drivers side guard/fender to allow for easy access.

**Step 2:** Mount the vacuum pump to the flat verticle inner guard panel, slightly forward of the A-pillar (See pic 1.0). We recommend use of M8 rivnuts (not supplied) with the supplied anti-vibration rubber mounts.

**Step 3:** The reservoir is mounted on the flat horizontal surface, underneath the front section of the engine bay (See pic 2.0) utilising the supplied M8 hardware.

**Step 4:** With the pump and reservoir now mounted, the major components of the system are in place and it's now time to run the wiring & vacuum lines (See pic 3.0)

For the wiring side of the installation, please refer to the wiring diagram pictuerd on page 3 of this install guide. While this part of the install can be carried out at home by someone familiar with basic auto electrics, we do however reccomend that if you are uncertain to have the wiring completed by a qualified auto electrician.

To ensure safe operation, we recommend the system be wired up with a 30A relay & 15A fuse. \*Note that the pump operates automatically based off the signal from the pressure sensor when it sensor low level in the reservoir.

**Step 5:** When plumbing up the system, please reference the vacuum line diagram on page 3 of this installation guide. While the kit includes some rubber vacuum line, depending on your particular application & location of the pump & tank, you may need to purchase additional vacuum hose to complete the install.

## PHOTO GUIDE

Below are a selection of images as referenced on Pg1 to assist in the installation. This particular install is for an RX3/808 and is just an example of a typical install in an early model vehicle.

**PIC 1.0**



The vacuum pump & reservoir should be mounted as close as possible to the cars brake booster. On a 72-76 Mazda RX3 application as shown here, we have mounted the pump to the flat verticle inner guard panel, slightly forward of the A-pillar, using M8 Rivnuts & bolts along with the We recommend supplied anti-vibration rubber mounts.

**PIC 2.0**



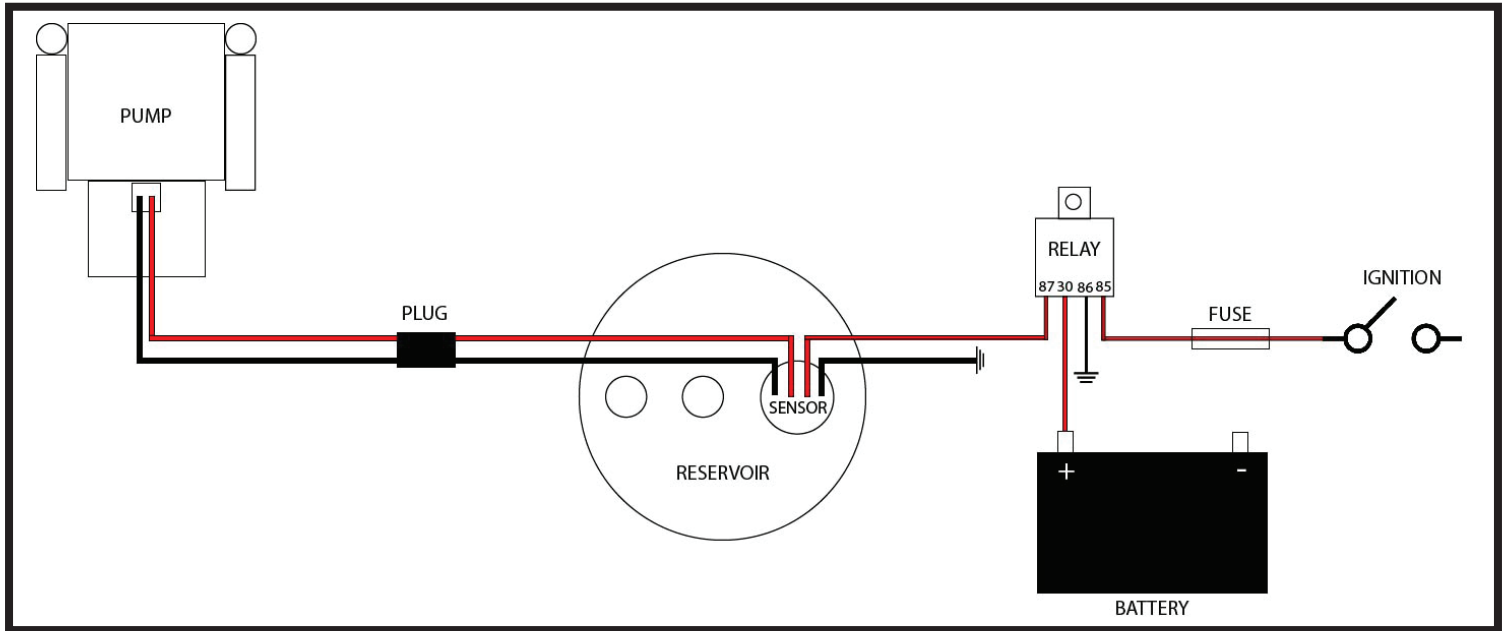
On this application, the reservoir is mounted on the flat horizontal surface, underneath the front section of the engine bay utilising the supplied M8 hardware.

Most early model vehicles will have similar areas where each component can be securely mounted by simply following these steps as a guide.

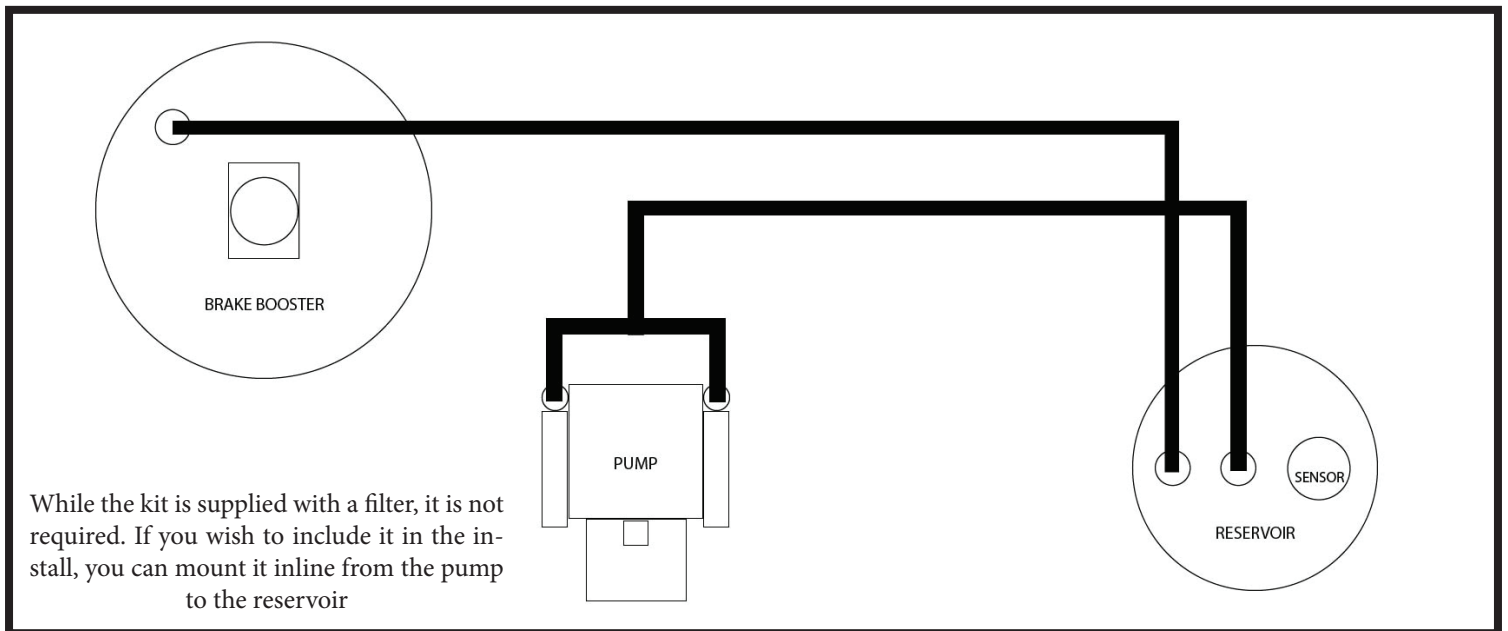
**PIC 3.0**



## WIRING DIAGRAM



## PLUMBING DIAGRAM



While this quick guide will provide you with the information needed to carry out the installation of your new Pac Performance 12V Electric Brake Vacuum Pump Kit, if you should have any questions or concerns or require any technical assistance we are here to help - Simply give us a call at the workshop on +612 9792 7076 or email [info@pacperformance.com.au](mailto:info@pacperformance.com.au)

**THANK YOU FOR CHOOSING PAC PERFORMANCE**



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