Installation Guide

Passive Isolation Upgrade Kit

Caution

The passive isolation mounts are easily damaged if overinflated.

Do not inflate until loaded with a breadboard

Follow the installation procedure

Do not exceed 72 p.s.i. (496 kPa)

1.1 Introduction

The passive isolation mount kit allows a rigid frame to be upgraded to passive isolation. The mounts are easily fitted in place of the existing support pads and can be inflated using a standard foot pump (PTA127).

1.2 Installation

1) Loosen the lock nut on each support pad stud, then unscrew and remove the existing support pads.

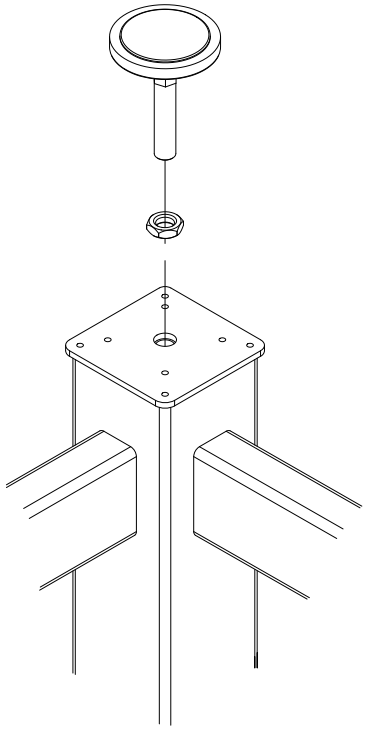


Fig. 1.1 Removing the support pads

2) Using the bolts supplied (four bolts for each mount) fit the passive mounts to the support plates as shown in Fig. 1.2 Ensure that the inflation valve is oriented along the side frame as shown.

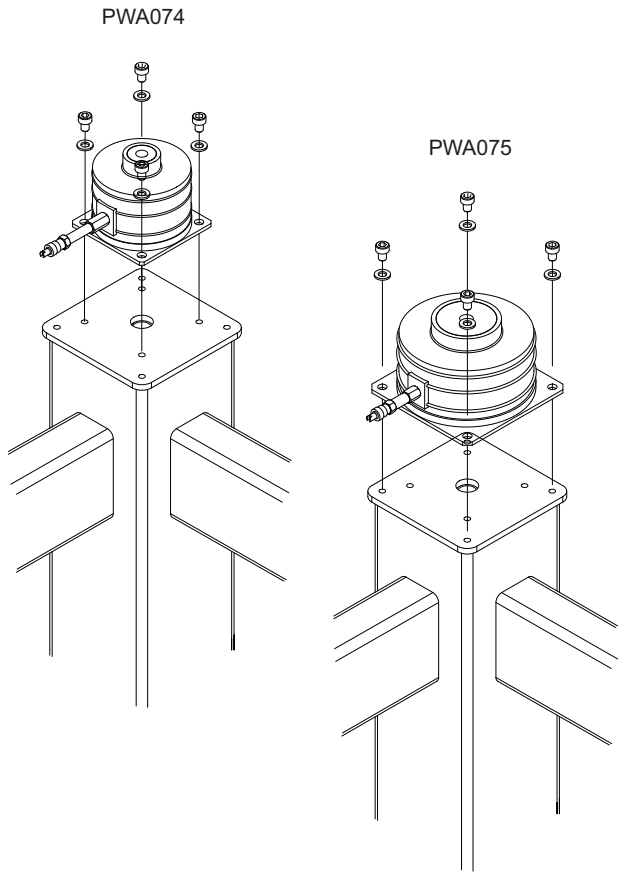


Fig. 1.2 Fitting the passive mounts

3) Ensure the frame is level.
4) Remove the dust caps from the schraeder valves.
5) Fit lifting handles (not supplied) to the breadboard..

Warning

During item (6):

Breadboards should be manipulated using the lifting handles supplied with the breadboard. If these are not available, use appropriate lifting equipment.

Breadboards must be lifted by two people and standard lifting safety precautions must be observed.

Breadboards should be lifted only in an unpopulated condition.

6) Observing the warnings listed previously, lift the breadboard into position.
7) Connect the foot pump to the mount on one of the legs and inflate slowly until the gap between the breadboard and the top of the leg is 65 mm (2.5”) – see Fig. 1.3. and Fig 1.4.
8) Inflate the leg diagonally opposite.
9) Repeat steps 7) and 8) for the two remaining legs.

Caution

During item (10), the total load including the breadboard must not exceed the following figures:

Standard mounts – 24 to 260kg (50 to 570 lb)

Heavy duty mounts – 135 to 700kg (300 to 1540 lb)

10) Populate the breadboard.

Caution

During item (11), It may be necessary to inflate each mount to a different pressure due to the loading of the breadboard.

Do not exceed 72 p.s.i. (496 kPa)

11) Further inflate the mounts until the breadboard is level and a gap of 65 mm (2.5”) between the underside of the breadboard and the top of the leg is obtained – see Fig 1.4.
12) Fit the dust caps.

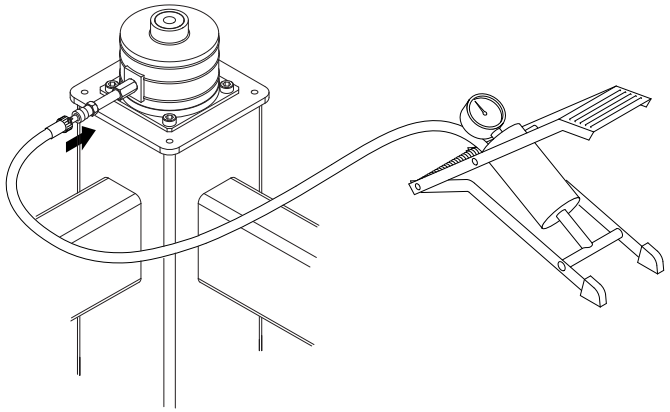
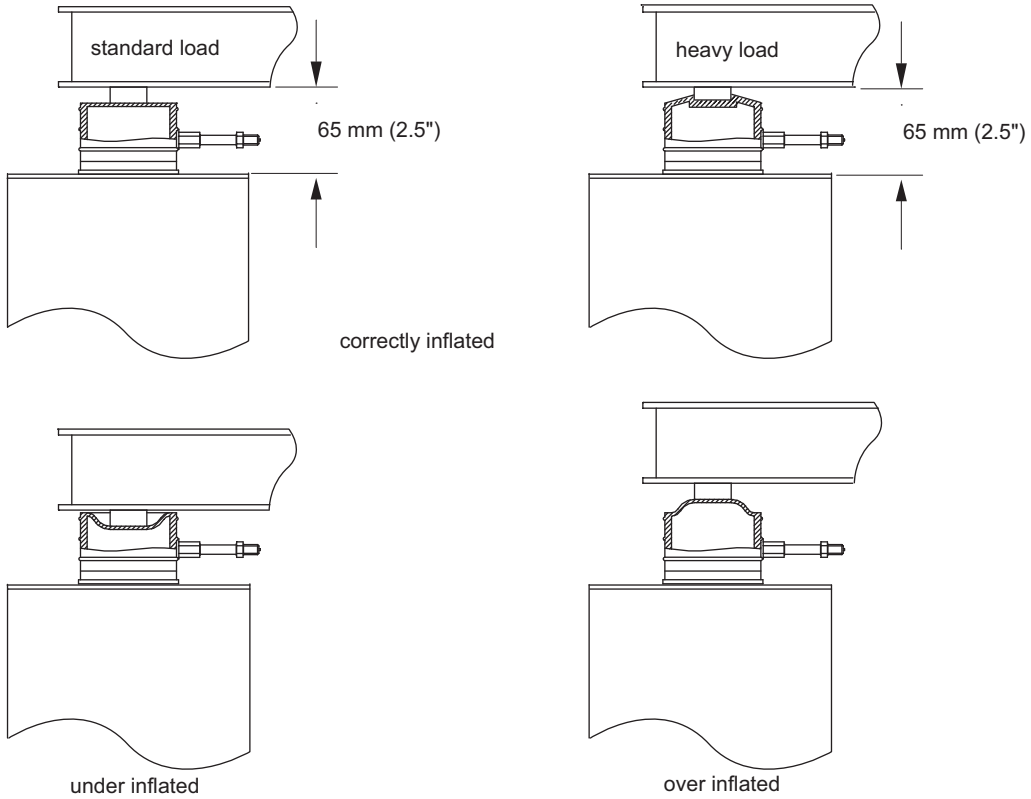


Fig. 1.3 Inflating passive anti-vibration mounts



Caution

If left unchecked, the mounts will deflate over time. To maintain correct inflation, check the gap every two weeks and reinflate the system as necessary.

Fig 1.4 Correct inflation of passive mounts

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