Farrat

Wedgemount - Installation

Installation procedure:
Heavy machinery installation on Wedgemounts and Precision Wedge Levelling Elements.

Method 1
Where facilities are available for lowering machine onto the mounts using a crane.

Figures 1.1 and 1.2
1. Place the mounts in position on the floor.

2. Adjust them all to a common height using using a laser level or straight edge and spirit level from one mount to the next.

Figure 1.3
If there is insufficient adjustment on any mount to cater for excessive floor slope or uneven surfaces, individual mounts may be packed up to bring them in line with the others using a combination of steel plates and Farrat Squaregrip pads. Packers can consist of a steel plate with a 5mm thick Squaregrip SG (SG5P2) pad bonded to the underside. The packer should be at least the same size as the underside of the mount.

Figure 1.4
3. The machine can now be lowered onto the mounts.

Figure 1.5
4. Carry out fine levelling of the machine. Should it be found that a mount requires undue torque, incrementally adjust the neighbouring mounts so that the lifting load is shared by several mounts or use ancillary jacks.

5. After the machine has been levelled check that each mount is taking load, by applying a spanner to each screw and ensuring that the mount is tight.

6. Check alignment after 24 hours and correct if necessary.

7. Check alignment after one week's service and correct if necessary.

8. Wedgemount installation enables any foundation settlement to be readily and quickly corrected by adjustment to the mounts. Check alignment once every six months, or at other intervals depending on machine manufacturer's recommendations.

Fig. 1.1

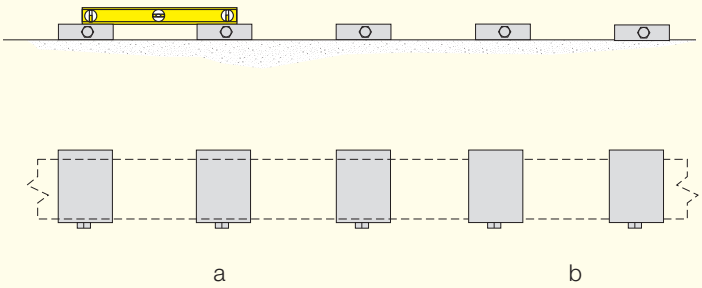
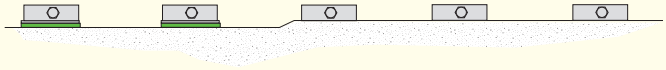


Fig. 1.3



Steel plate and Farrat Squaregrip pads used to bring pads level with others

Fig. 1.4

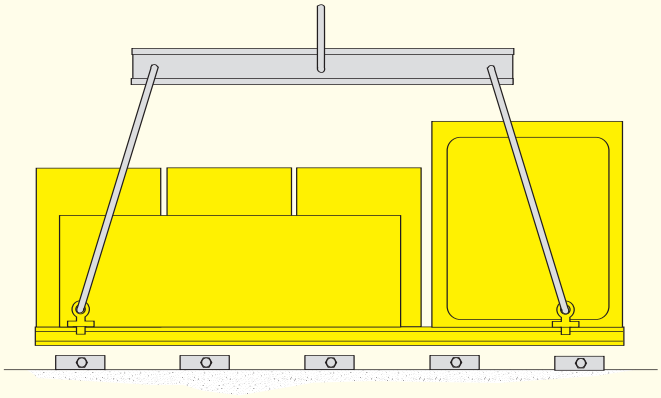
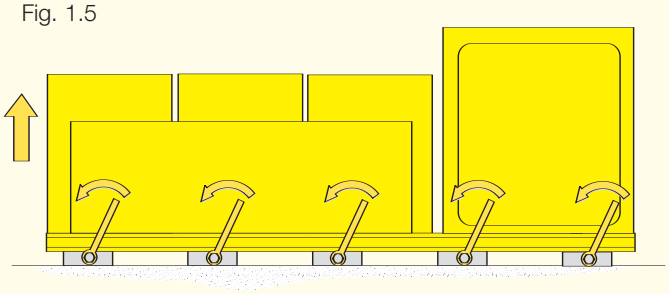


Fig. 1.5



Please contact Farrat for more information and technical specification assistance.
Tel: +44 (0) 161 924 1600 Email: sales@farrat.com
Web: www.farrat.com

Farrat.com
Farrat Isolevel Ltd. Balmoral Road, Altrincham,
Cheshire WA15 8HJ. England GB
Tel: +44 (0) 161 924 1600
Fax: +44 (0) 161 924 1616 email: sales@farrat.com

Fig. 2.1

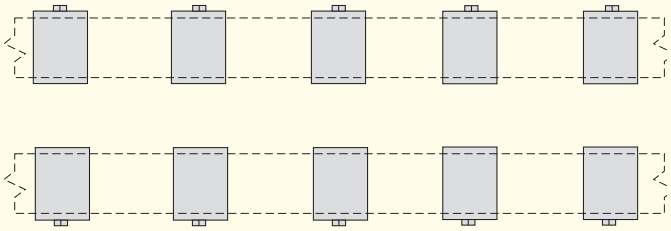


Fig. 2.2

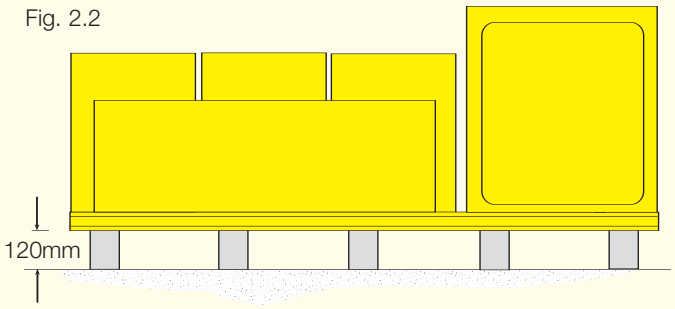


Fig. 2.3

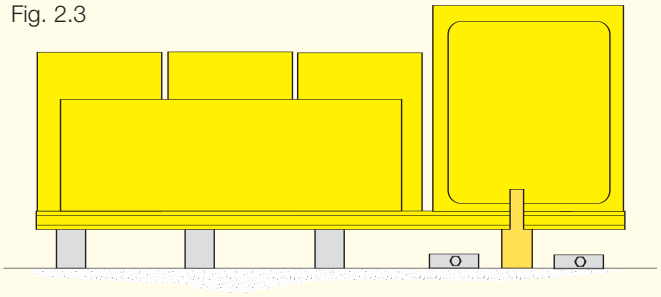


Fig. 2.4

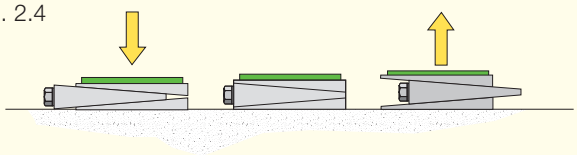


Fig. 2.5

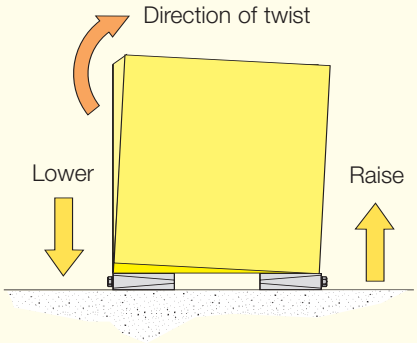
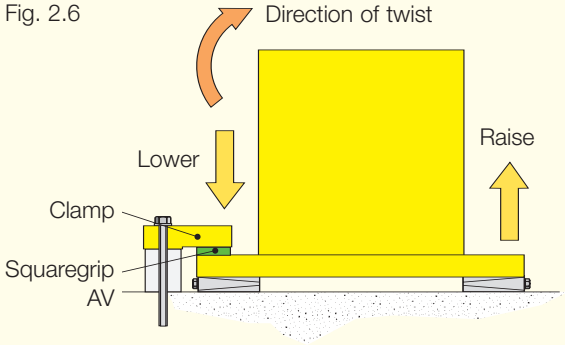


Fig. 2.6



Method 2
Where no crane facilities are available.

Figure 2.1

9. Before the machine is brought into position place the mounts on the floor and adjust them all to a common height using a laser level or straight edge and spirit level from one mount to the next. Mark the location of each mount then move them to one side.

Figure 2.2

10. Bring the machine into position and leave on temporary packing or rollers or jacks. Ensure that there is sufficient gap between the underside of the machine and the floor to accommodate the mount.

Figure 2.3

11. Place the mounts into position again under the machine, jacking the machine further if necessary.

12. Withdraw the temporary supports, lowering the machine onto the mounts.

13. Proceed as paragraphs: 4, 5, 6, 7, 8 on previous page

Notes

Figure 2.4

14. Ensure that before the machine is lowered onto the mounts, the sliding surfaces of the WL mounts. are all in contact with each other, i.e., that the wedges have not ridden up on their keys.

15. Never use excessive torque when adjusting upwards. Bring up several mounts together in small increments. This will ensure that the heavy overloads during levelling can be shared by several mounts. Alternatively use ancillary jacks.

16. Ratchet spanners provide the quickest way of adjusting WL mounts.

Figure 2.5: Twisted machine bases

17. Should the machine be twisted, it may be possible to correct this by temporarily jacking the machine (with the WL mounts) in opposition to the twist and leaving for 24 hours.

Adjust the mounts on the 'low' side of the twist upwards, and downwards on the high side. This may enable gravity to unwind the machine. If the twist does unwind, the machine can then be levelled up properly.

Figure 2.6: Alternatively

18. If the twist is excessive then the preceding method may not work. This would be particularly the case if a light end of the machine was twisted relative to a heavy end.

In this case it will be necessary to clamp the machine down on the high side of the twist and adjust the mounts on the low side until the twist is pulled out.

Also refer to machine manufacturer's details on slinging and levelling up procedures.