

VEQTOR SPORT

Installation Guide 'Sport Trainer' Panel

Issue Date: 12 June 2008

Outline

Tools Required

Procedure

- Transport
- Inspection
- Preparation of Work Area
- Installing Multiple Panels
- Hanging the Front Panel
- Connecting the Electronics
- Using the Optional Spacer Timbers (addendum in 12 June 2008)

Tools Required

BASIC TOOLS

Power Cable (Length as required)

SDS Masonry Drill

10 mm x 150 mm (drill length) SDS Masonry Drill Bit

Variable Speed Electrical Drill

No. 3 Phillips Bit

T25 Torq Bit

Spirit Level

Pencil

Leveling wedges (angled blocks to aid in holding up and levelling wall)

Wooden blocks of various heights 75 to 100 mm (use with leveling wedges)

OPTIONAL TOOLS

The following list of tools will be required if a Sport Trainer is being installed on an uneven wall and a timber spacer must be used to space the panel off of the wall.

Jigsaw

75 mm timber blade for jigsaw

Sandpaper

Paint to finish Timber spacer (generally black mat or satin finish is best)

Brush

Masking tape

Procedure

Transport and Maneuvering

Carefully transport the Sport Trainer to the location. If it is to be hand carried, due the product weight, it is advised that a minimum of four (4) individuals are used to maneuver the panel in its fully assembled form. Alternatively, various barrows can be used so long as there is adequate padding, strapping and a skilled operator to avoid damage to panel and individuals.

Inspection

When product has arrived at the location for installation take the time to inspect that the the area is suitable, free from hazards, you have all the required tools at hand, and the Sport Trainer is complete and undamaged.

If the wall is not made of masonry (block, brick, stone), but is made of plasterboard (Gypsum) thus hollow, then do NOT install the panel without having written input from a specialist appointed by VEQTOR or a civil engineer.

If the wall is not flat then it will need to be built up either by using timber plates (available from VEQTOR on request), or alternative methods.

Preparation Work Area

General Preparation (Single Panel)

1. Disassemble the Panel Back (timber section) from the Front (aluminum and Formica section)

To do this open the panel by:

- laying the panel on its back timber section on the ground
- removing the 6 – M6 x 50 counter sunk screws with the T25 TorQ bit in the electrical drill from the button side of the panel
- carefully open the front (it is best to have an extra set of hands to help with this process)
- while the helper is holding the panel open
- disconnect all of the wires from the hub (silver box mounted to the back panel)
- disconnect from velcro pads
- slide front panel off of hinges and set to the side.

IMPORTANT - Care should be taken not to bang the hinges on the floor as they could become bent or damaged which will make installation much more difficult.

2. Find Level

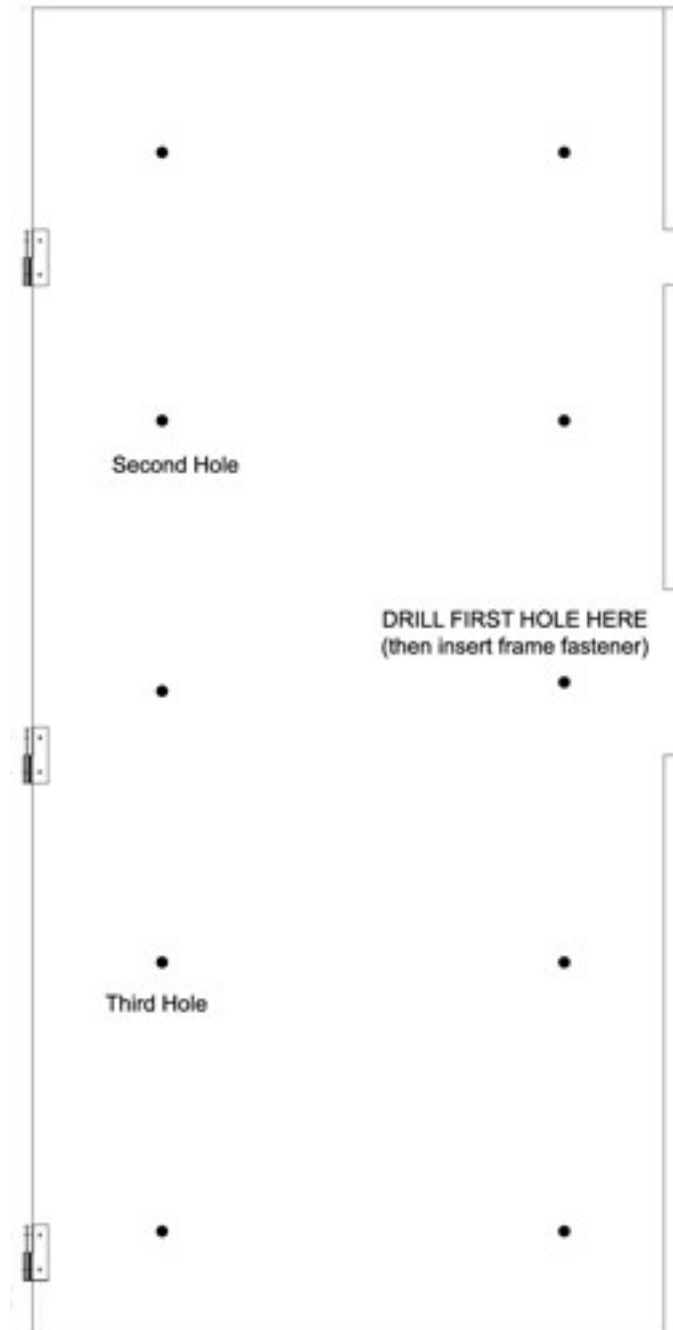
Using a spirit level draw a line (using a pencil) where you want to mount the bottom of the Sport Trainer. This will generally be about 100 to 150 mm (4" to 6") off of the ground. Often the line is similar to that of the top of the skirting board. This can be helpful as you can use the skirting board to rest the back of the Sport Training panel while mounting it to the wall.

3. Check that the wall is smooth and level by using your spirit level across the surface of the wall. If the wall is uneven or has items like dado rails or mouldings that will get in the way of the installation, You can use the optional timber spacer kit referred to further on in this document. This kit allow for defects in the wall of up to 40 mm in depth.

4. Mount Back Panel

3.1 Hold the back of the panel up to the wall using the leveled mark you just drew to line up with the bottom of the back panel. It is suggested that you have the helper hold the panel while you perform the next steps (Often it is easier to build up the wooden blocks and leveling wedges, or alternate under the wall to assist in keeping its base line in position with the level mark.)

3.2 Using the SDS drill, drill a SINGLE 10mm hole (as shown). You will be drilling through the timber backing board and into the masonry.



3.3 After drilling the hole ensure that you have not moved the timber from the level mark and insert the frame fastener (bolt with plastic outer sleeve). This helps to lock the back

panel into position so that the other holes are in line

- 3.4 Repeat steps 3.2 and 3.3 for all ten holes following the layout above. It is key to ensure that the location you are drilling in the wall is missing the masonry joints and represents a good fixing.
- 3.5 Using the electric drill and No.3 Pozi bit (of Philip's) tighten the frame fasteners.
5. If you are mounting more than one panel read the “Installing Multiple Panels” part of this guide; otherwise go directly to the “Hanging the Front Panel” section.

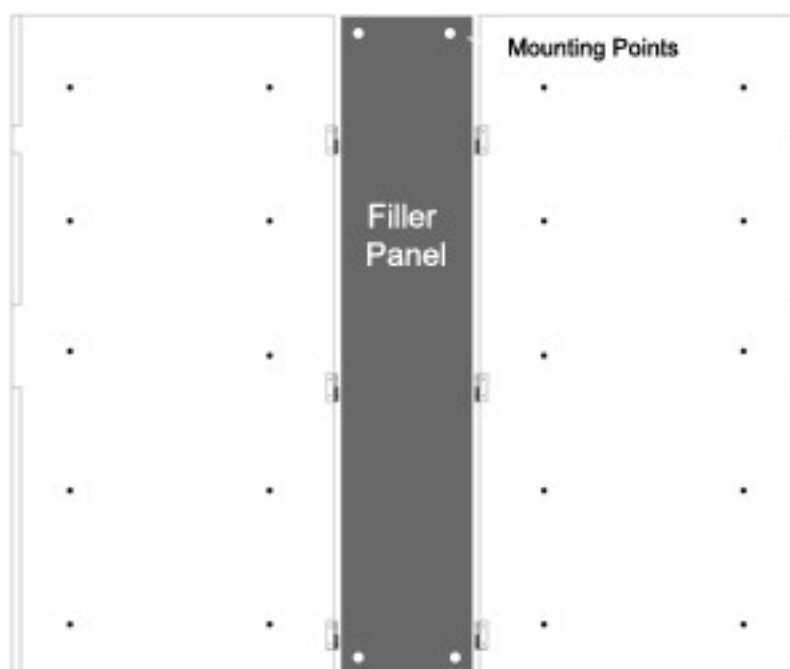
Installing Multiple Panels

Some sites have multiple panels mounted near to each other on the same wall. If they are planned to be close together then it is easiest to start with the left most positioned Sport Training panel. It is best to install all the timber back panels and the optional filler strips before hanging the front panels. This allows for easy measuring and adjustment so that they are even and level.

In some installations customers want the optional decorative filler panel in the same colour as the Sport Trainer panel. It is good to get this located and installed prior to hanging the front panel.

Place the filler panel to the right of the first panel installed and screw it to the wall. This is done by using the masonry plugs and screws provided in the filler panel kit. The kit also has some foam strips. These are used behind the filler panel to remove vibration impact striking the sub wall. They are to be used at the fitter discretion to avoid rattles and bangs.

It is often best to initially install the panel and test for vibrations and then remove it to apply the foam strips if required.



After the panel is hung, place the next timber panel 20 mm away from the filler panel. The reason to leave a gap is in case you wish to remove the filler panel without having to 'un-hang' the Sport Trainer's front panel. Some sites do like this gap filled. It is advised to run a strip of black gaffer tape down behind where the filler panel will be positioned and the second panel as it will blend into the black backing material of the Sport Training panel.

The standard Sport Training Panel opens on a left hinge. In some sites a special ordered right hinge unit is available, but this is generally rare. If you are installing panels with both right and left hinge opening, it is advised to install a RIGHT opening unit to the LEFT side of a LEFT opening panel. This way if a filler is used you can follow the directions above.

It is possible to install them in the opposite order, but the filler panel will need to be butted flush to both timber backing panels rather than leaving a 20 mm gap.

Hanging the Front Panel

This is the most tricky part of the operation for three reasons:

- The front panel is heavy and somewhat awkward to move into position
- It requires a coordinated effort by two or three people
- Alignment of the hinges can be tricky if the wall is not level

The best method is to place the person managing and directing the installation at the hinge side. Their job is to lift and guide the door 'aluminum/Formica panel' hinges down and onto the rear timber panel's hinge pins.

The second persons job is to locate themselves on the 'button side' of the panel and follow the directors commands. Which will include things like:

- lift
- higher, lower
- bottom toward you, towards me
- top toward you, towards me
- stop there

If a third person is available they are best used to provide extra lift to the bottom of the panel so that the director and second installer are not having to take the whole weight.

Once the hinges are located over the top of each other, the front should slot and slide together so that the front panel will open like a door and support its own weight.

Connecting the Electronics

When the front panel is safely hanging on its hinges, the internal electronic can be reconnected as follows:

- 3 off RJ45 (Computer network cables) in the one of the eight network ports.
- 1 off DIN6 (6 pin round socket) into the Display socket on the top of the hub *
- 1 off DIN5 (5 pin round socket) into the Keypad socket on the top of the hub *
- 1 off 1/4" (6.2 mm) stereo jack into the speaker socket on the top of the hub
- 1 off DC barrel connector (5.5 mm) into the 12 volt power socket on the top of the hub

***CARE should be take that the pins line up with the sockets so that they are not forced, bent or broken.**

CARE should be taken when gathering the electronic wires back together and strapping them back into the velcro retainers that the wire does not become fouled or pinched within the hinge area.

To Start the Unit:

- Connect the transformer to the mains (240 volt) power.
- Turn on mains.
- Turn on Switch on upper side of Sport Trainer

Panel should:

- activate by announcing the software set
- counting up through the targets ids attached (starting at 9 and ending with 17)
- LED display should cycle numbers

If you have a technical problem please call your regional VEQTOR support centre:

or VEQTOR UK on +44 (01) 1428-685660

Using the Timber Spacers

The Sport Trainer Panel can be installed on un-even walls by using the optional timber spacers. The purpose of the spacers is to lift off the panel from the wall by the thickness of the spacers. This is done by mounting the timber spacers onto the wall along the point at which the left and right edge of the backing panel we reside. Instead of using the 10 frame fasteners to connect secure the back panel to the wall, 5 of the frame fasteners are used to secure each timber spacer.

The timber back panels is then screwed to the timber spacer by way of the 60 mm Philip's head countersunk No. 12 screws supplied with the timber spacer kit.

Often when using the timber spacer kit the installer will need to use some simple carpentry skills to measure and mark out areas in the timber that need to be sawn out to make the spacers fit smoothly to the wall, fly over pipework or molding to provide a smooth vertical surface for the Sport Trainer panel to be mounted.

