BONDLINE

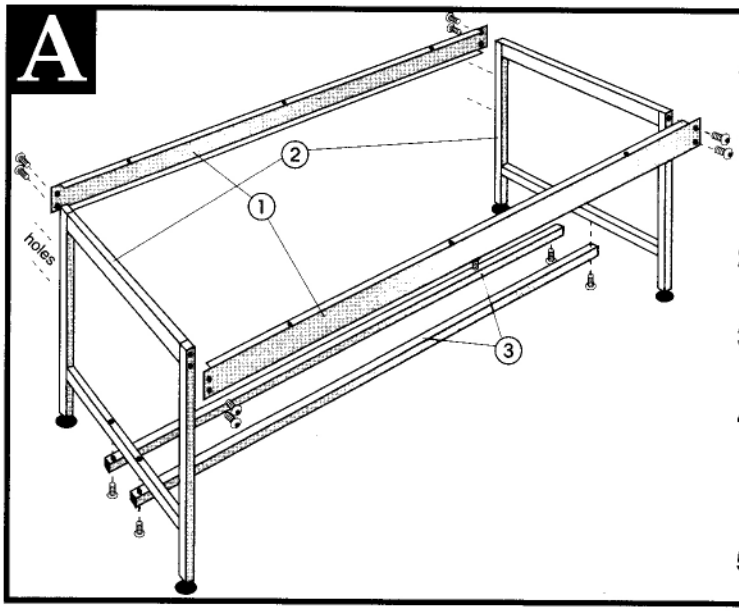
# BENCH ASSEMBLY INSTRUCTIONS

## HOW TO USE THESE INSTRUCTIONS:

Identify the type of bench you wish to assemble and then follow the appropriate stages, ignoring non applicable accessories.

| BENCH TYPE | STAGES TO FOLLOW |
|---|---|
| SQUARE TUBE | A D F G I J K L M N O |
| CANTILEVER | B D F G I J K L M N |
| ADJUSTABLE HEIGHT | C D F G I J K L M N |
| STATIC CONTROL | A B or C D E F G H I J K L M O P |

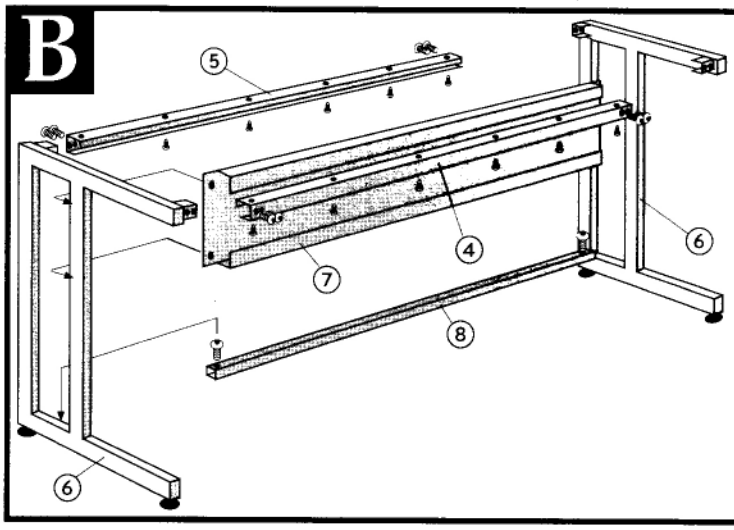
## A




### Square Tube Bench Frames

1. Fix **Top Channels** ① to **End Frames** ② using 20mm Allen Bolts ensuring **Rear Support Upright** fixing holes in end frame are at the rear of the bench.
2. Fix **Foot Rails** ③ to **End Frames** ② using 40mm Dome Head Bolts.
3. Fit all bolts finger tight, square up frame and then tighten bolts.
4. If Drawers and Cupboards are to be fitted, fit but do not tighten bolts. This allows drawer or cupboard to be slid along length of bench allowing worktop to be fixed.
5. Proceed to stage **D**

## B




### Cantilever Bench Frames

1. Fix **Top Front** ④ and **Rear Channels** ⑤ to two **End Frames** ⑥ over locating spigots and secure each end with 2 x 20mm Dome Head Bolts.
2. Fix **Modesty Panel** ⑦ behind upright in **End Frame** ⑥ with 2 x 20mm Dome Head Bolts each end.
3. Fix **Foot Rail** ⑧ to lower rail of **End Frame** ⑥ with 40mm Dome Head Bolts.
5. Proceed to stage **D**

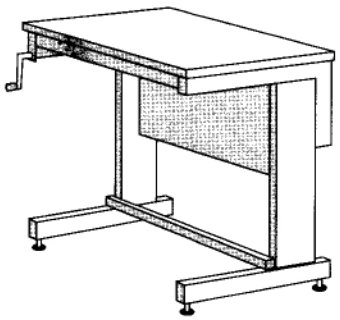
## C

### Adjustable Height Bench Frames

Supplied fully assembled.

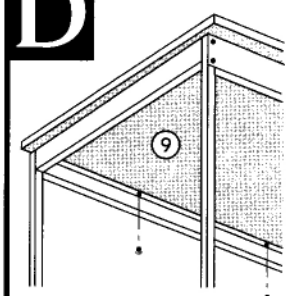
Height adjustment handle can be moved to opposite side where necessary.

Proceed to stage **D**



## D

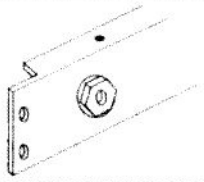
### Worktops (All Benches)




View from beneath

1. Place **Worktop** ⑨ onto Frame. Ensure overhang at front and sides but flush at rear.
2. When positioned correctly, secure by 15mm screws through frame.
3. Proceed to relevant accessories

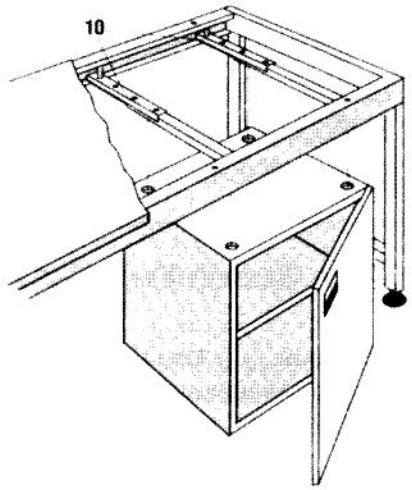
## E

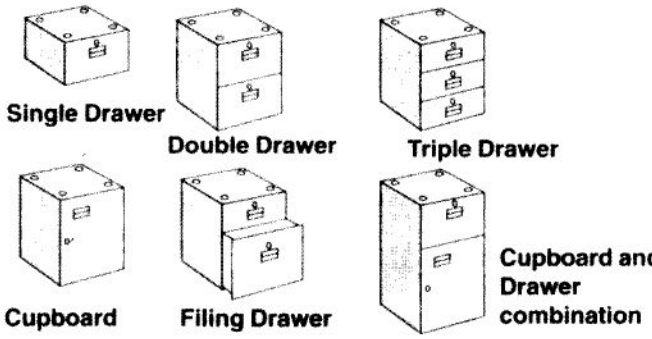


### Benches STATIC CONTROL

2 wrist strap sockets are fitted to all static control benches. Sockets which accept 4mm banana plugs or 10mm press studs are prewired together but not connected to dissipative work top surface - see note P

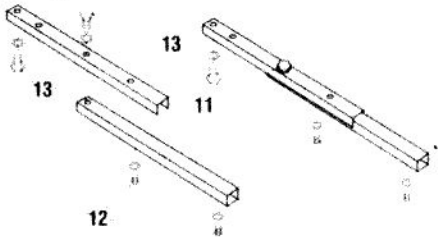
## F




### Drawers & Cupboards

1. These are fitted to benches using two **Support Bars** ⑩ each of two parts.
2. The bars are universal and should be pre assembled to the correct length, for 600, 750 or 900mm deep benches using **Bolts** 11 .

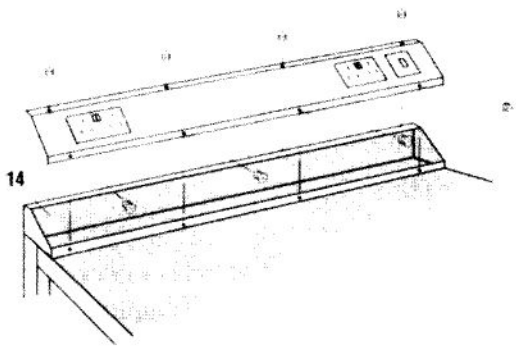



3. Position **Support Bars** ⑩ between Top Channels of work bench.
4. Fix **Cupboard** or **Drawer** to **Support Bars** ⑩ using 20mm Dome Bolts/Washers 12 . Extend **Fixing Bolts** 13 at the back to prevent movement of complete assembly along length of work bench.

**NOTE** Cupboard and Single Drawer combination can be fitted but will require removal of front **Foot Rail** ③ on type A bench if used as a freestanding model.

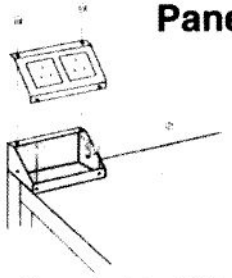
## G

### Benchtop Service Panels




1. Undo screws to remove move front of service panel.
2. Position **Service Panel Carcase** 14 flush with rear of Worktop. Drill and fix with15mm Self Tapping Screws.
3. IT IS RECOMMENDED THAT A QUALIFIED ELECTRICIAN WIRES SOCKETS, SWITCHES, ETC.
4. SPECIAL INSTALLATION IS REQUIRED ON STATIC SAFE BENCHES - SEE NOTE H BELOW.
5. Replace front of service panel.

### Small Service Panel

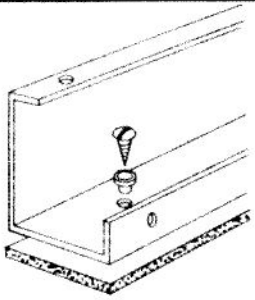


Position at rear, side (or at will) on the worktop and fix as left.

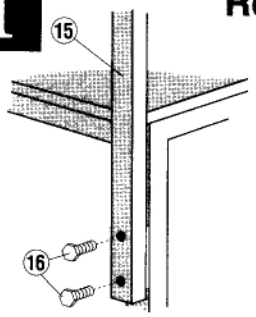
## H

### Service Panel STATIC CONTROL

When fixed to Static Dissipative Bench Tops the 240 volt Service Panel must be fully Insulated from the Worksurface. Use the Nylon Bushes and Fixing Screws supplied together with an additional **Insulated Strip** positioned between the Service Panel and Worksurface.

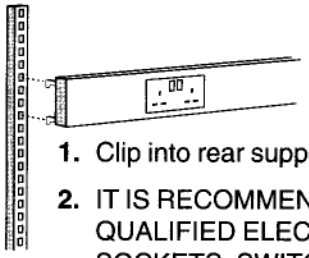


## I Rear Support Uprights



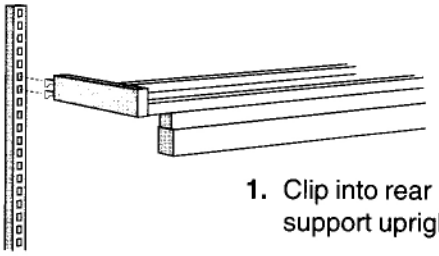

1. All above surface bench accessories require **Slotted Support Uprights** ⑮ (available in two lengths) to accept chosen accessories.
2. Bolt **Uprights** ⑮ to rear of bench using two 60mm bolts ⑯ at each end.

## J Upper Service Panel



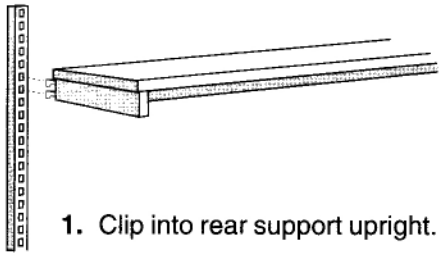
1. Clip into rear support upright.
2. IT IS RECOMMENDED THAT A QUALIFIED ELECTRICIAN WIRES SOCKETS, SWITCHES, ETC.

## K Light and Tool Rail



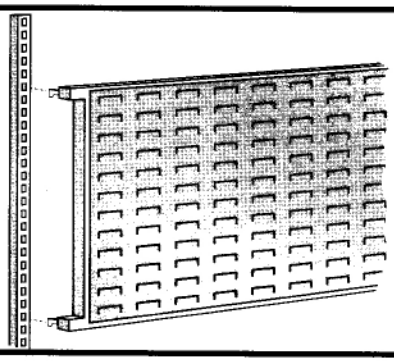
1. Clip into rear support upright.

## L Upper Shelves



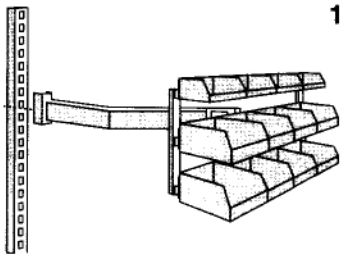
1. Clip into rear support upright.

## M Louvred Panels & Pin Boards



1. Clip into rear support upright.

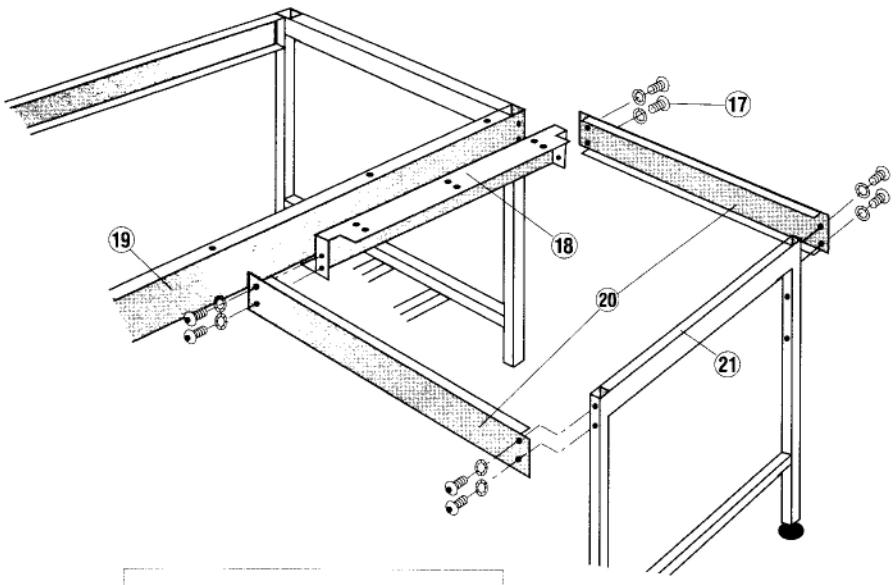
## N Cantilever Arm Accessories



1. Clip around rear support upright.

## O Extension Benches

1. Extension benches can be attached to left or right hand side of square tube leg benches.
2. Slide **extension bracket** ⑱ onto **top channel** ⑲ to the position required. (See inset diagram).
3. Fix the allen bolts ⑰ back into position, through **extension bracket** ⑱ if the extension bench is required at the end of the main bench.
4. Fix **Extension Bench Top Channels** ⑳ to the **Extension Bracket** ⑱ using 20mm allen bolts.
5. Fix **Extension Bench Top Channels** ⑳ to **Extension Bench Frame** ㉑ using 20mm allen bolts.
6. Fix extension bench worktop securely using 15mm screws through the top channels and extension bracket.



# P Static Control Workstation Grounding

STATIC CONTROL

A **Static Dissipative Workstation** requires additional fittings and electrical wiring. The wrist strap sockets are prewired together during manufacture for one or two operators. The **Static Conductive Worksurface** (22) ***must*** be electrically connected to the wrist strap connector sockets (23) in the front channels of the bench and also to a suitable **Earth** (minimum resistance 1 Megohm).

An **Earthing Cable** (24) is supplied to connect the worksurface to the wrist strap sockets. The **Earthing Bolt** (26) is fitted through a 9mm dia. hole drilled in the bench top and a serrated washer is used to ensure good electrical contact with top **Work Surface** (22).

The hole is left for the user to drill, to minimise interference with the work area. The hole should allow the bolt to pass through the worktop without contacting the framework of the bench.

The earthing bolt must now be connected by a cable to a suitable **Earth**, normally through a 1 Megohm resistor.Final **Earth** connection is ***not*** supplied.

Runs of worksurfaces should also be electrically wired together with one common earth connection.

**IMPORTANT NOTE**

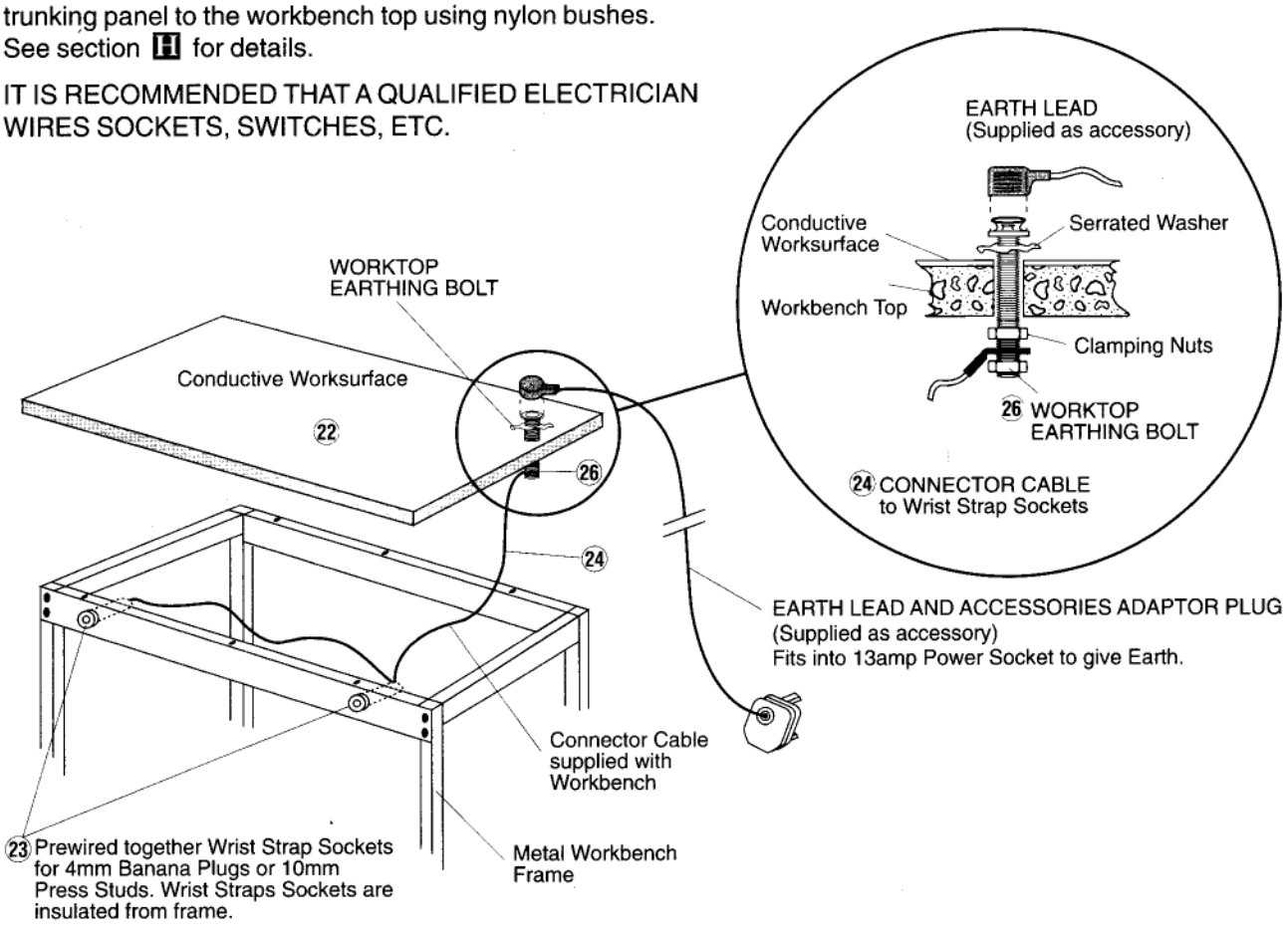
There are many methods of wiring conductive worksurfaces in order to drain static safely away. The final connection to earth depends on the users own layout and design requirement and is therefore beyond the responsibility of the workbench supplier.

Workbenches are normally used in conjunction with other equipment and users may need specialist assistance in the control of **Static Electricity** and the wiring of workstations in their specific environment.

**SAFETY NOTE:** 240 Volt AC mains connections.

If the workbench incorporates a 240 V electrical **Service Panel** (bench trunking) fixed to the workbench top this must be ***fully insulated*** from the Conductive Worksurface.An insulating pad should be placed between the **Service Panel** and the worksurface. Special attention must be given to insulating the screws used to fix the metal trunking panel to the workbench top using nylon bushes.
See section H for details.

IT IS RECOMMENDED THAT A QUALIFIED ELECTRICIAN WIRES SOCKETS, SWITCHES, ETC.

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