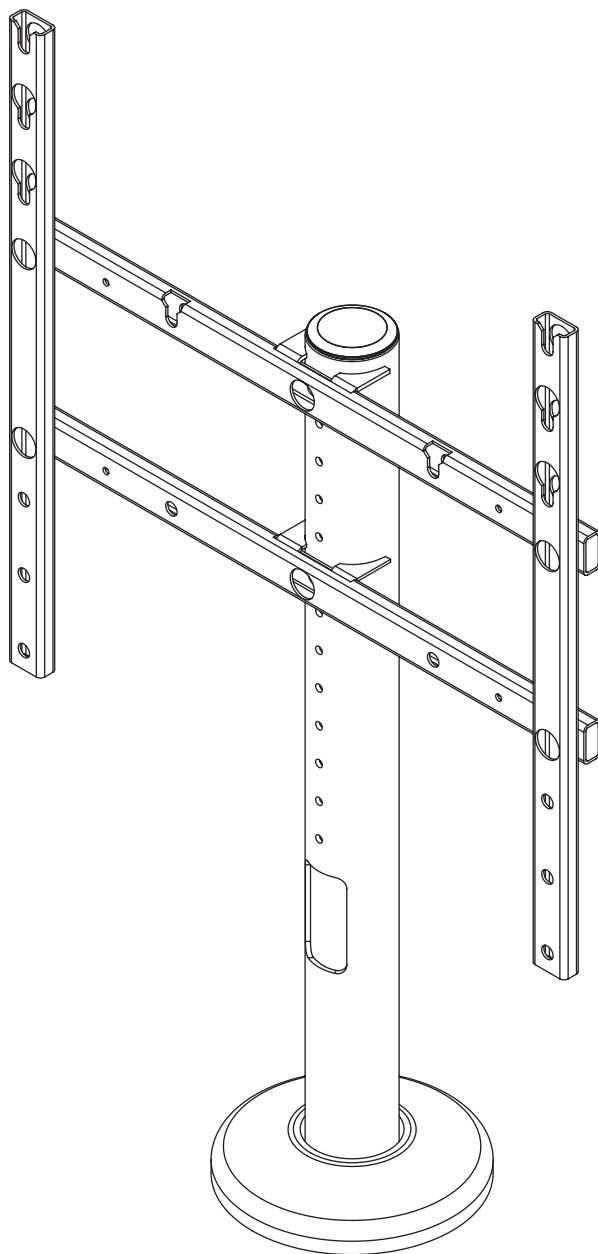# peerless-AV™

Installation and Assembly -
Desktop Swivel Mount
For 32" - 55" Flat Panel Display

Models: HP455

Max Load Capacity: 75 lb (34 kg)

Before you begin, make sure all parts shown are included with your product.

Parts List

	Description	Qty.	Part #
A	support tube	1	091-1036
B	base backer plate	1	090-1544
C	desktop swivel base	1	090-1821
D	tube cap	4	590-0970
E	M5 x 10 mm socket pin Type- F screw	4	520-1164
F	thrust washer	1	590-1287
G	slope nuts	3	530-0035
H	1/4-20 x 3/4" hex head screw	2	520-1321
I	M4 x 12 mm serrated socket pin screw	4	510-1079
J	4 mm allen wrench	1	560-9646
K	10-32 x 1/2" set screw	2	520-1614
L	fender washer	4	540-1008
M	1/4-20 x 3" threaded rod	4	520-2585
N	1/4-20 lock nut	4	530-1021
O	M6 x 12 mm socket pin screw	4	510-1050
P	M8 x 15 mm socket pin screw	4	520-1068
Q	#10 SAE flat washer	4	540-9400
R	tube gusset	2	091-1032
S	lower horizontal rail	1	091-1033
T	vertical rail	2	091-1034
U	1/4" split washer	2	540-9402
V	upper horizontal rail	1	091-1041
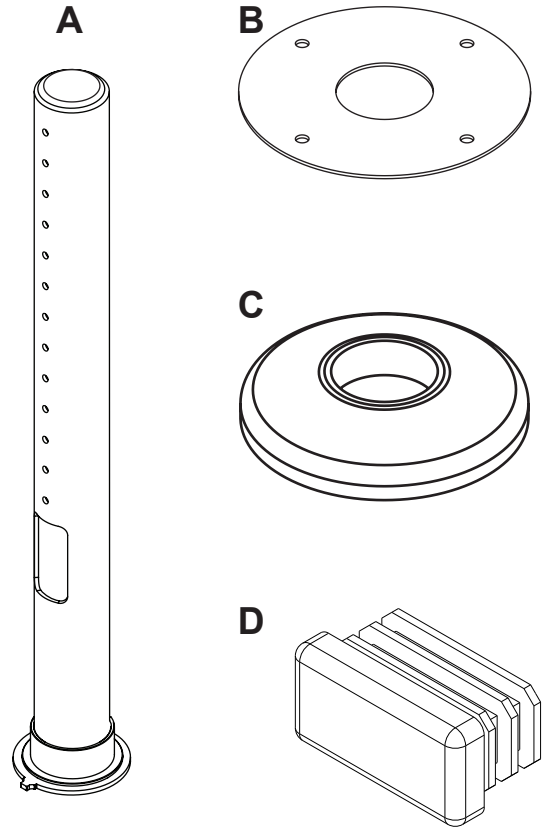
NOTE: Some parts may appear slightly different than illustrated.

A

B

C

D

E

F

G

H

I

J

K

L

M

N

R

U

O

P

Q
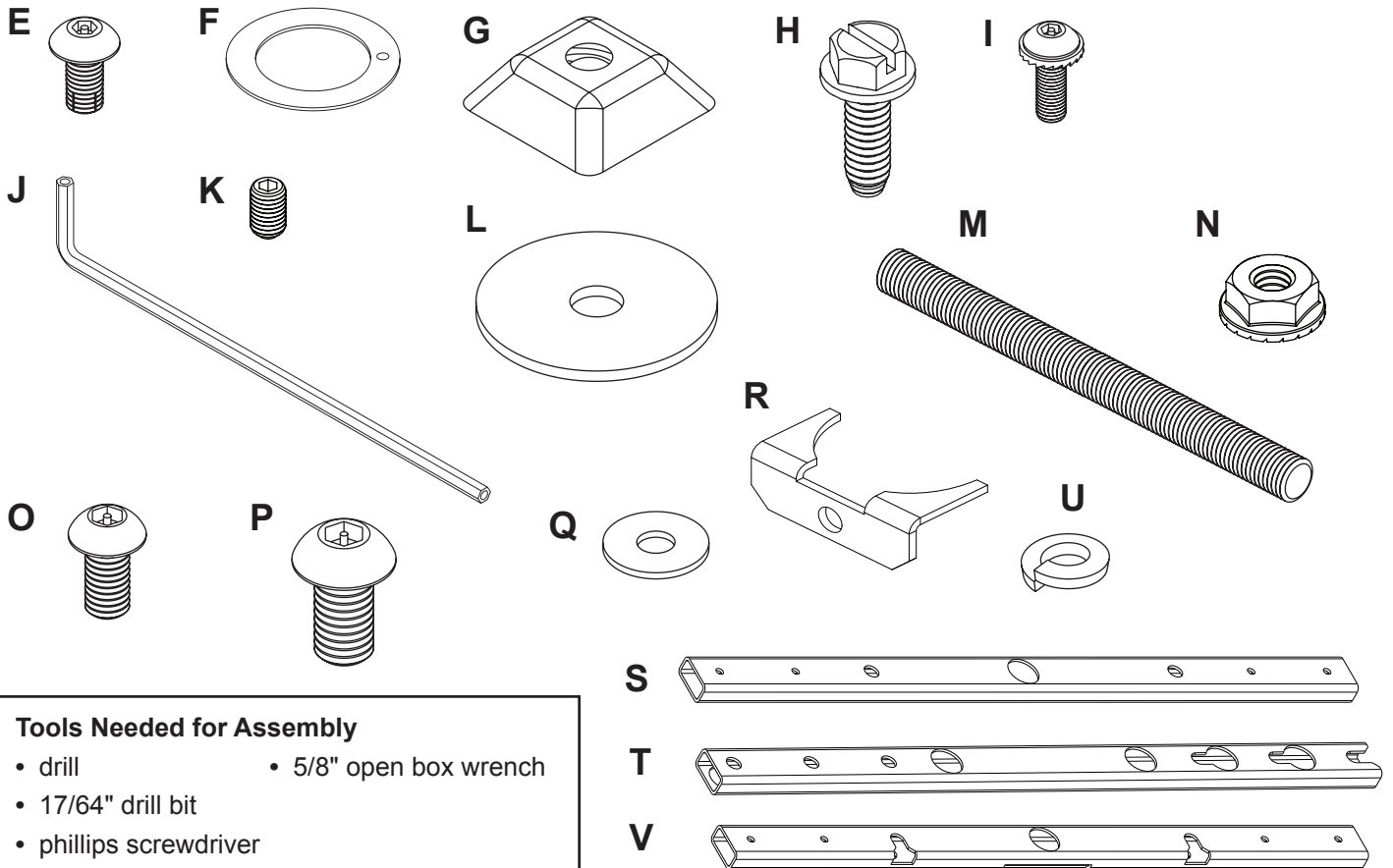
Tools Needed for Assembly
- drill
- 17/64" drill bit
- phillips screwdriver
- 3/32" allen wrench
- 5/8" open box wrench

S

T

V

1 Use base backer plate (**B**) as a template to mark location of holes. Drill four holes using a 17/64" drill bit in a square formation. Drill a 2" to 3" cord management hole In the center of the square formation.

B

SQUARE FORMATION

CORD MANAGEMENT CUT-OUT

FRONT OF SCREEN

BOTTOM VIEW
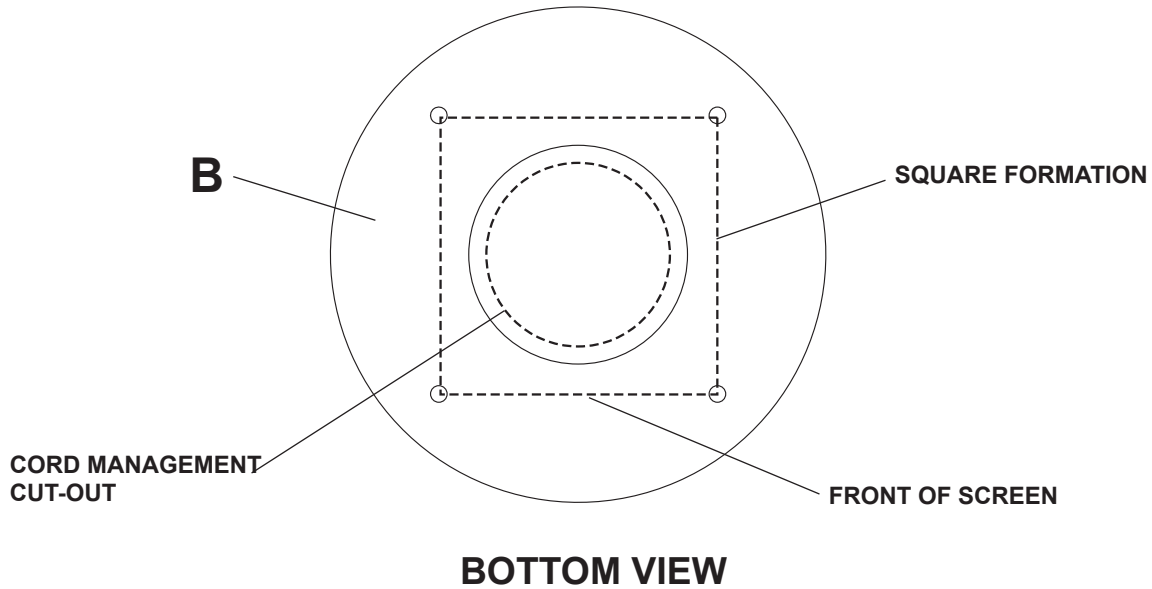
⚠ WARNING

• Wooden mounting surface requires a minimum of 3/4" thickness to hold screen securely.

2 Turn base (**C**) upside down and insert four threaded rods (**M**) into base (**C**), as shown below.

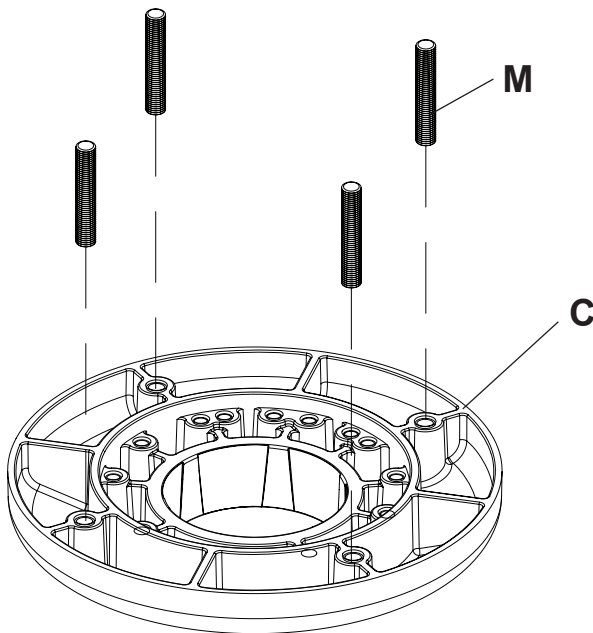**NOTE:** Threaded rods must fasten a minimum of three turns.

M

C

fig. 2.1

3 Turn base (**C**) upside down to insert support tube (**A**), and thrust washer (**F**) as shown below.
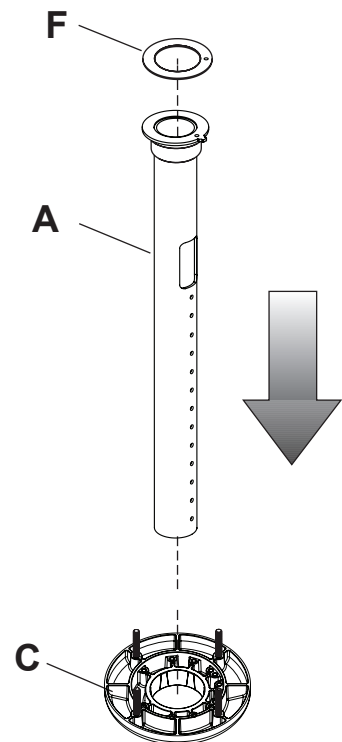
F

A

C

fig. 3.1

Swivel Restriction

4 Refer to fig. 4.1 and 4.2, select the desired swivel degree. Using a 3/32" allen wrench, fasten two set screws (**K**) where indicated below to the outside of desired angle in steel base (**C**).

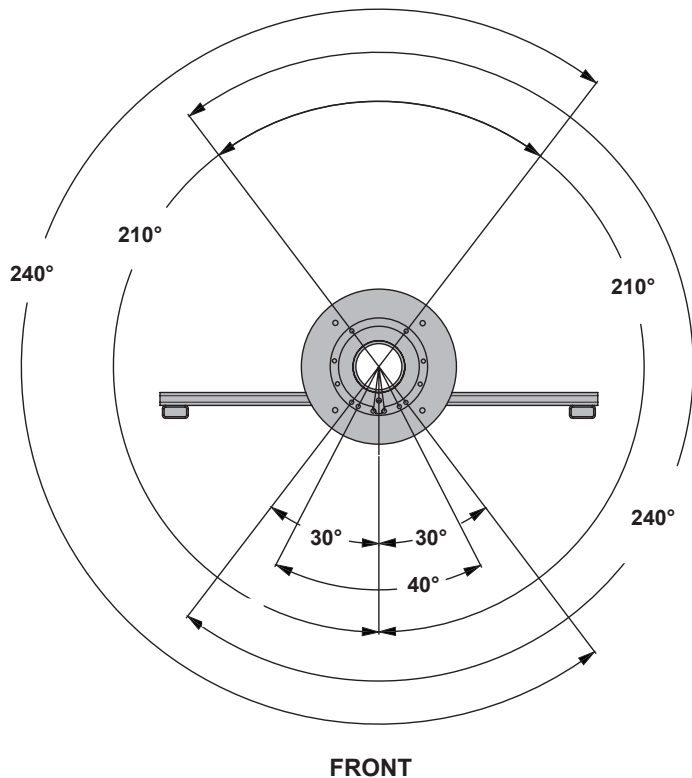**NOTE:** Set screws (**K**) must be bottomed out into base.

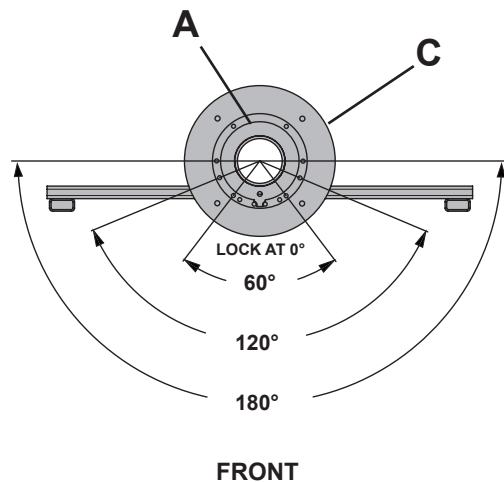210°
240°
210°
240°
30°   30°
40°

FRONT

fig. 4.1

A   C

LOCK AT 0°
60°
120°
180°

FRONT

fig. 4.2

Mounting to Support Surface

⚠ **WARNING**
• Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components

CAUTION
• Installations to desktops that have a gap between two supporting boards are not acceptable mounting surfaces for the HP line of desktop swivel mounts.

Mounting using Non-Security...Step 5 Page 5

Mounting using Security Slop Nuts (Optional) ....Step 7 Page 5

Mounting using Non-Security

5 Align backer plate (**B**) with threaded rods (**M**). **NOTE**: Washer (**F**) must be centered.
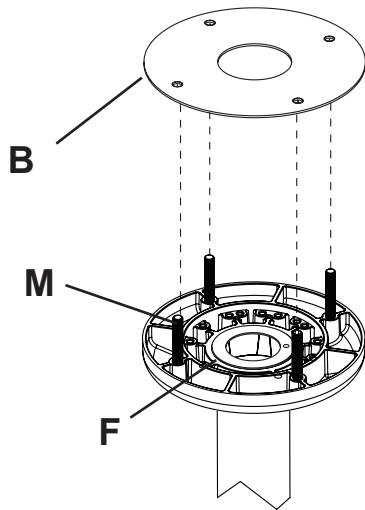
6 Align base assembly (step 5) with supporting surface and base (**C**) pattern facing the front as shown in Detail 1. Tighten four fender washers (**L**) with four lock nuts (**N**) in the sequenced pattern shown in Figure 6.1 with the 1/4 - 20 locknuts (**N**) at minimum flush with the bottom of the threaded rods (**M**).

B

M

F

fig. 5.1

FRONT OF SCREEN

L

N

fig. 6.1

FRONT OF SCREEN

C

Detail 1

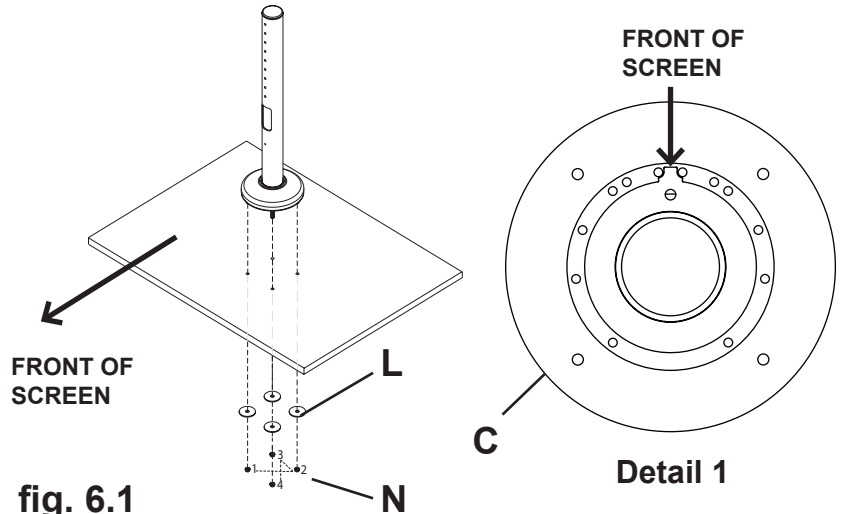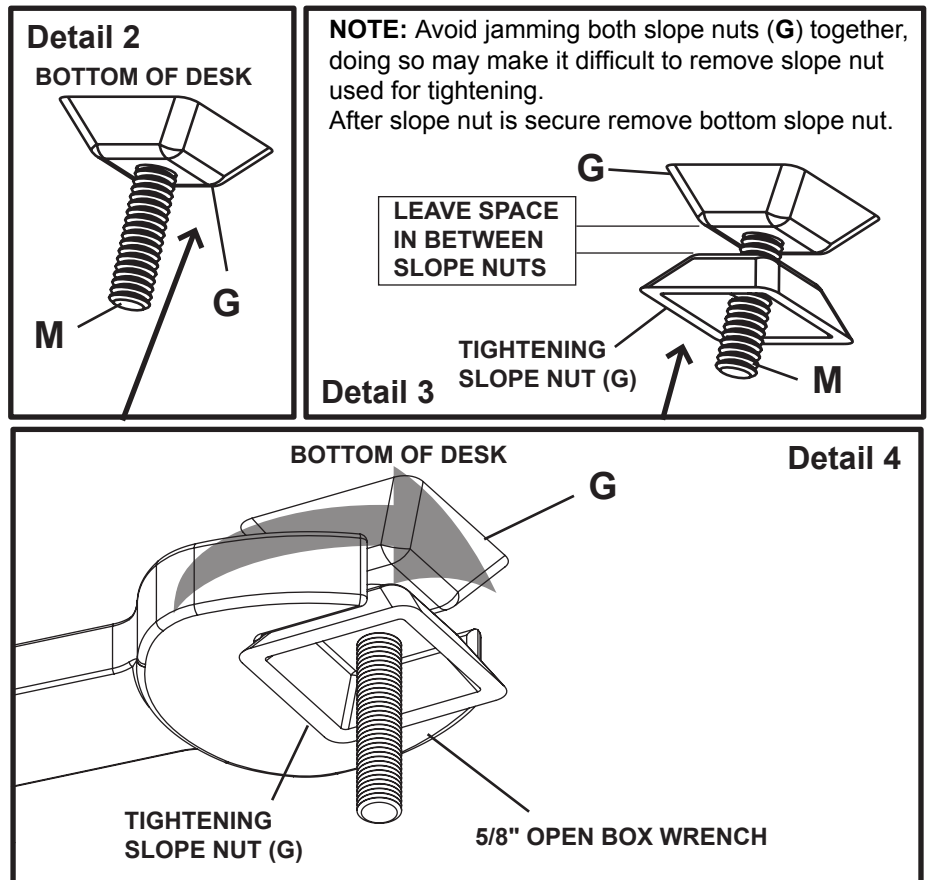## Mounting using Security Slop Nuts (Optional)

7 For added security replace two of the washers and locknuts with slope nuts.
Hand tighten slope nuts (**G**) onto two of the thread rods (**M**) until snug against bottom of table as shown in Detail 2.

Thread another slope nut (**G**) upside-down, about two turns from first slope nut (**G**) as shown in Detail 3.

Insert a 5/8" open box wrench between both slope nuts (**G**) and tighten as shown in detail 4.

Detail 2
BOTTOM OF DESK

M   **G**

NOTE: Avoid jamming both slope nuts (**G**) together, doing so may make it difficult to remove slope nut used for tightening.
After slope nut is secure remove bottom slope nut.

G

LEAVE SPACE IN BETWEEN SLOPE NUTS

TIGHTENING SLOPE NUT (G)

M

Detail 3

BOTTOM OF DESK

Detail 4

G

TIGHTENING SLOPE NUT (G)

5/8" OPEN BOX WRENCH

8 Press-in four tube caps (**D**) into lower horizontal rail (**S**) and upper horizontal rail (**V**) as shown below.

D
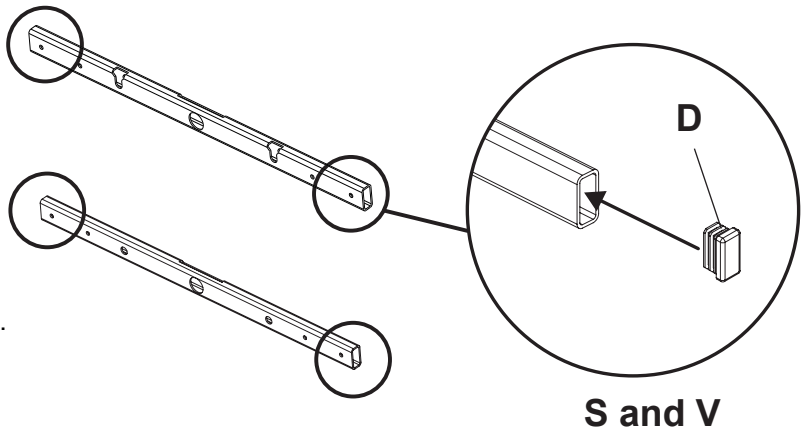
t surface as a guide when tightening.

S and V

Mounting using Large Hole Pattern (300 mm x 300 mm or greater)...................Start page 6

Mounting using Small Hole Pattern (200 mm x 200 mm or less) ....Skip to page 8

⚠ WARNING

• If screws don't get three complete turns in the screen inserts or if screws bottom out and bracket is still not tightly secured, damage may occur to screen or product may fail.

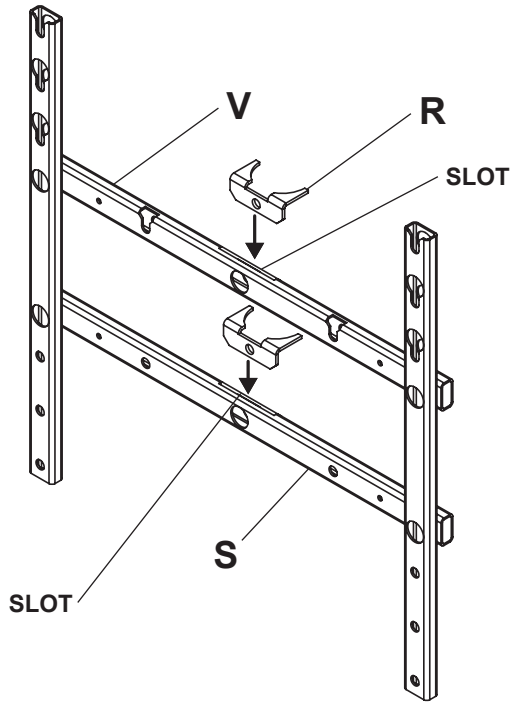## Mounting using Large Hole Pattern (300 mm x 300 mm or greater)

9 Fasten two vertical rails (**T**) to lower horizontal rail (**S**) and upper horizontal rail (**V**) in 300 mm x 300 mm or 400 mm x 400 mm hole patterns using four M5 x 10 mm socket pin Type-F screws (**E**) as shown below.

NOTE: Vertical rails (**T**) must be perpendicular to lower horizontal rail (**S**) and upper horizontal rail (**X**). Use a flat surface as guide while tightening.

T **V** **S** **E**
400 mm x 400 mm Hole Pattern

T **V** **S** **E**
300 mm x 300 mm Hole Pattern

ISSUED: 06-28-12 SHEET #: 125-9328-2
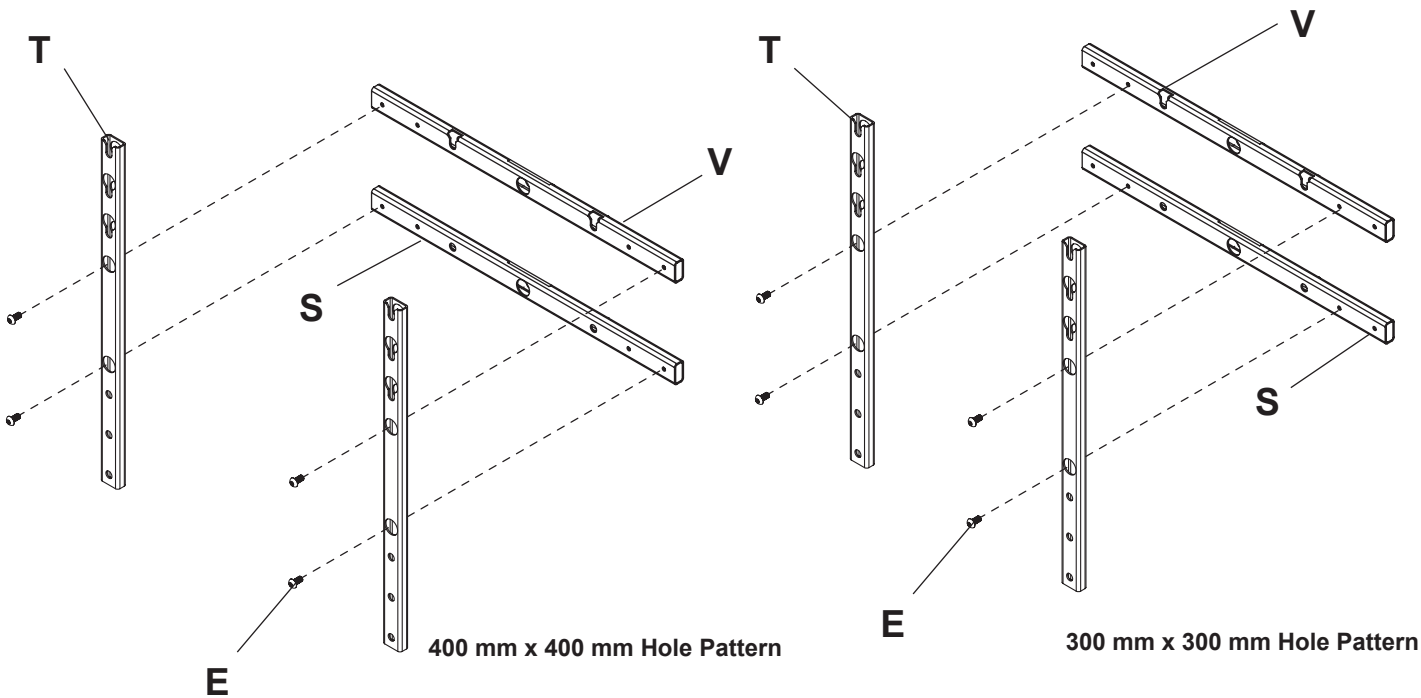
10 Position tube gussets (**R**) inside slots of lower horizontal rail (**S**) and upper horizontal rail (**V**) as shown below.

11 **NOTE:** Determine desired height of display prior to attaching lower horizontal rail (**S**) and upper horizontal rail (**V**) to support tube (**A**).

Attach tube gussets (**R**), lower adapter rail (**S**), and upper horizontal tube (**V**) onto support tube (**A**) using two 1/4-20 x 3/4" hex head screws (**H**) with two 1/4" split washers (**U**) as shown below.
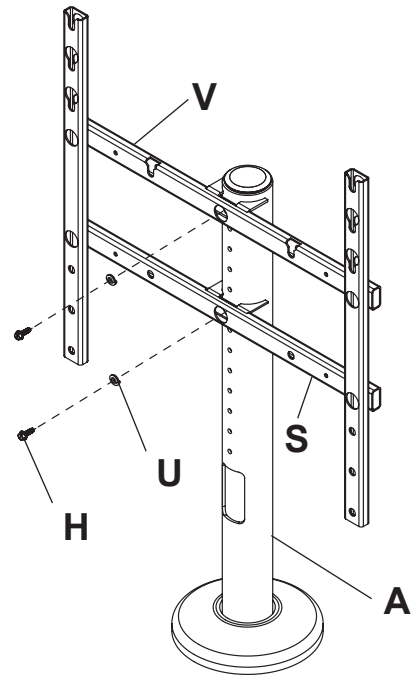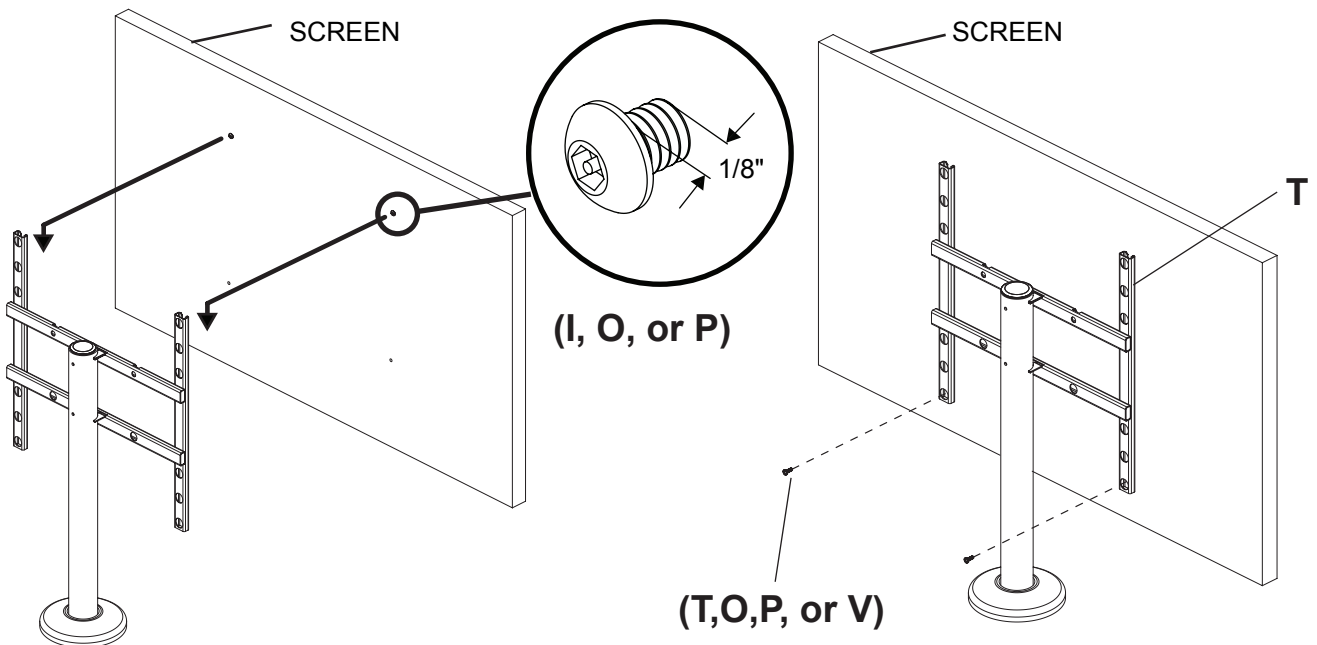

Mounting using Large Hole Pattern (300 mm x 300 mm or greater)

12 Fasten two socket pin screws (**I**, **O**, or **P**) into the top mounting holes behind the screen leaving 1/8" of exposed threads as shown below.
Hook exposed threads onto the top of vertical rails (**T**) and secure lower horizontal rail (**S**) using two socket pin screws (**T, O,P,** or **V**).

NOTE: When using socket pin screw (**I**), #10 flat washers (**Q**) are required.

Mounting using Small Hole Pattern (200 mm x 200 mm or less)

9 Position tube gussets (**R**) inside slots in lower horizontal rail (**S**) and upper horizontal rail (**V**) as shown below.

10 Attach tube gussets (**R**), lower horizontal rail (**S**), and upper horizontal rail (**V**) onto support tube (**A**) using two 1/4-20 x 3/4" hex head screws (**H**) with two 1/4" split washers (**U**) as shown below. **NOTE:** Use details 5 and 6 when determining the placement of adapter rail (**S**) and upper horizontal tube (**V**).
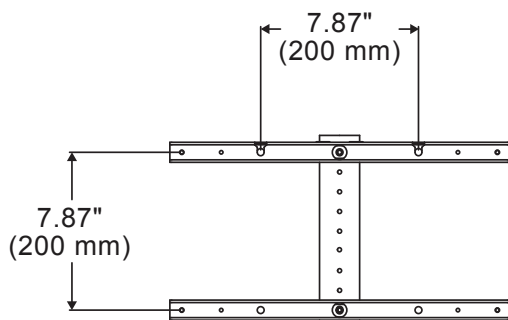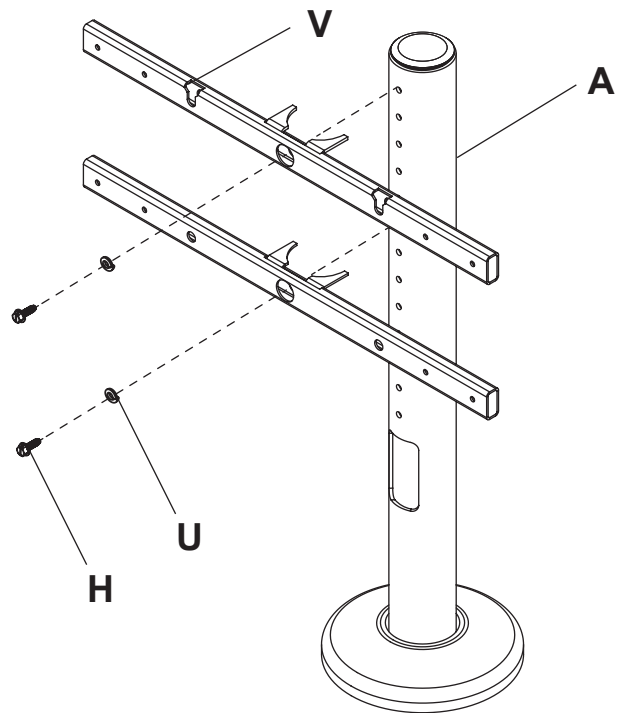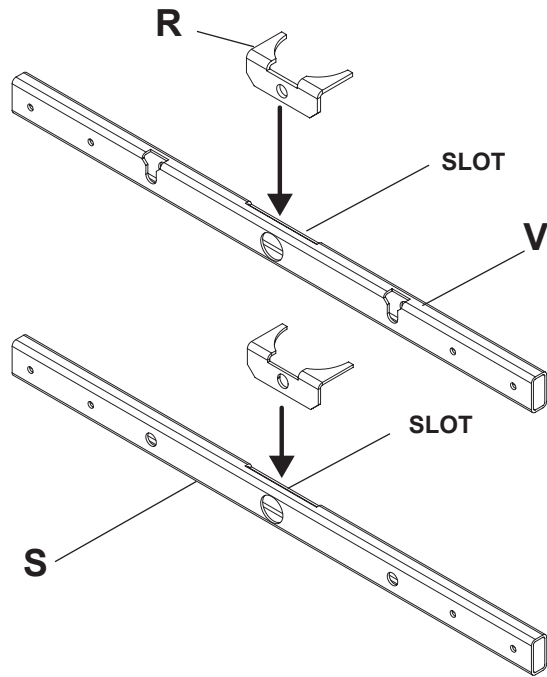
Detail 5
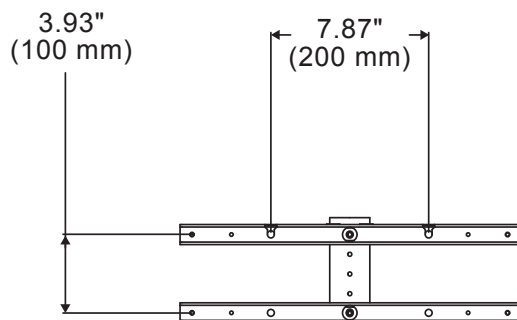
Detail 6

11 Fasten two socket pin screws (**I**, **O**, or **P**) into the top mounting holes behind the screen leaving 1/8" of exposed thread as shown below. Hook the exposed threads onto the top of upper horizontal rail (**V**). Fasten lower horizontal rail (**S**) using two socket pin screws (**T,O,P, or V**).

NOTE: When using socket pin screw (**I**), #10 flat washers (**Q**) are required.

SCREEN

V

S

1/8"

(I, O, or P)

SCREEN

(T,O,P, or V)

V

S

ISSUED: 06-28-12 SHEET #: 125-9328-2