

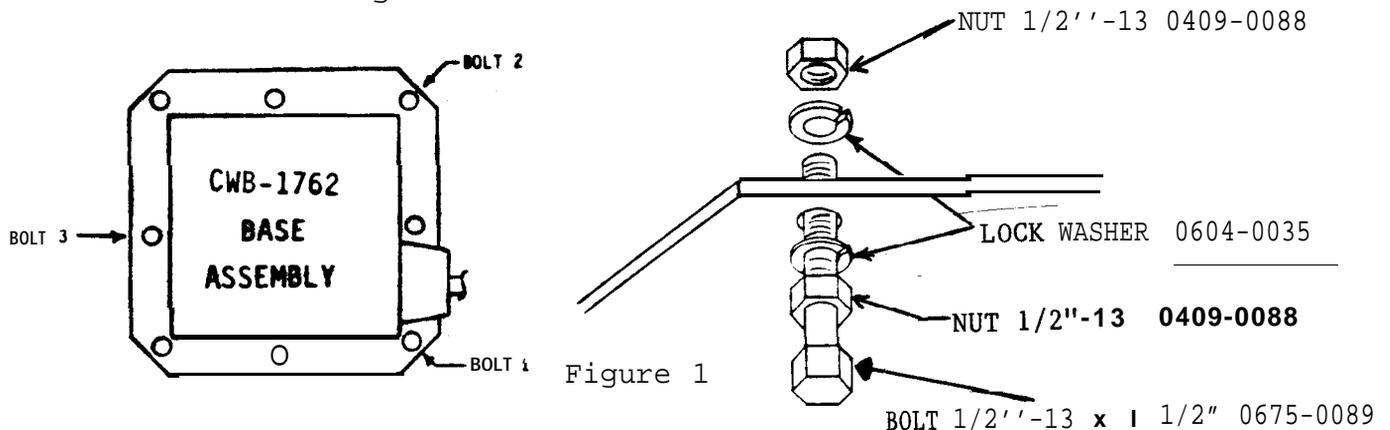
INSTALLATION PROCEDURE

I. PORTABLE MOUNTING

1. Lift corner of base from floor at bolt 1 position as shown in figure 1.
2. Install a nut 0409-0088 on 1/2" bolt 0675-0089 slide on lock washer 0604-0035, insert this assembly into the hole shown as bolt 1 in figure 1.
3. Install an additional lock washer on top of the base hole and on the bolt, install a 1/2" nut on the bolt and torque to 25 foot pounds.
4. Repeat this procedure at each of the three holes shown in figure 1.
5. Use the bolts to level the base if the floor is not level.

Ia. ANCHORING - Optional Method not to be used in Canada

1. Determine the permanent mounting location. **Balancer** should be mounted on a masonry floor, near electrical connections and with clearance to allow the Safety Hood to fully open.
2. Place Safety Goggles over your eyes.
3. Using one of the three **Balancer** Mounting Holes (see figure below) as a guide, drill a 1/2" hole in the floor at least two inches deep. Using the shop air supply, blow the dust and chips out of the hole. Use only the three mounting holes that are designated below.



- 4* If the floor is not level, use flat washers as-required (not supplied) to make the **Balancer** level. Insert a Sleeve Anchor Bolt through one of the Base's Mounting Holes and into the floor until the red sleeve is flush with the floor's surface. Using a Torque Wrench, tighten the nut to expand the sleeve against the inside of the mounting hole. Torque to 25 foot pounds.

5. Repeat steps 3 and 4 for the remaining two mounting holes.

II. HOOD INSTALLATION - Refer to Figure 2

1. Install the 5" Plastic Grommeting onto the inside edge of the Hood Mounting Bracket's right-side hole (as viewed from the rear of the **Balancer**).
2. Slide the Safety Hood Tube through the Hood Mounting Bracket's Left-Side Hole (as viewed from the back of the **Balancer**). Place the hood up-side-down on the floor.
- 3* Install the Hood-Up Stop which consists of two 3/8" Hex Nuts and a 3/8" x 16 - 1 1/4" Machine Screw. Refer to Figure 2.
4. Slide the Nyliner Bearing over the end of the tube. The "flange end" of the Bearing is to remain INSIDE of the Hood Mounting Bracket.
5. Slide the Spacer Sleeve over the end of the Tube.
6. Slide the Torsion Spring over the end of the Tube. The "**radial end**" of the Spring must go on first (refer to Figure 2).
7. Refer to Figure 2. Slide the Hood Stop onto the Safety Hood's Tube until it engages the hole in the Hood Stop. Correct orientation calls for the slot in the Hood Stop to be pointed upward when looking directly at the large-flat edge of the Hood Stop. Refer to Figure 2.
8. Insert the Safety Hood's Tube through the remaining hole in the Hood Mounting Bracket. Take care not to **dis-lodge** the Plastic Grommeting or Nyliner Bearing.
9. Raise the Safety Hood mid-way to vertical and secure the Hood Stop to the Safety Hood's Tube using a 3/8 x16 - 1 1/4" Machine Screw.
10. Place one nut on the Eyebolt and thread it all the way down.
11. Raise the Safety Hood to vertical. Insert the Torsion Spring's "radial tang" through the eye of the Eyebolt. Insert the threaded end of the Eyebolt through the Hood **Mounting** Bracket and secure with retaining Nut. Force will be required to place the eyebolt through the Hood Mounting Bracket. If required, back-off the Hood-Up Stop adjusting screw.
12. Tighten the Retaining Nut installed in the previous step until it meets the nut installed in step 10.

13. Lower the Safety Hood and adjust the Hood-Down Adjusting Screw until the Hood is level when resting.
14. Raise the Safety Hood and adjust the Hood-Up Adjusting Screw until the Hood is just short of vertical. The inside nut will require **loosening** to make this adjustment. Correct adjustment allows easy hood lowering, but without the possibility of it falling from its up position. Resecure both Nuts.
15. Slide the aluminum Flat Washer over the end of the Safety Hood's Tube.
16. Fasten the Switch Actuator to the end of the Safety Hood's Tube by using the 1/4" Flat Washer and Cap Nut. Correct adjustment requires that the Actuator keep both Micro Switches engaged when the hood is lowered. Both Micro Switches must disengage when the hood is raised. It may be necessary to loosen the four screws which secure Micro-Switch Assembly and then raise or lower the assembly until the Actuator engages the Micro-Switches.
17. Screw the threaded Wheel Shaft into the Main Faceplate. Tighten until secure, but do not overtighten.
18. Screw the four Pegs from the accessory box into the threaded holes on the left side of the **Balancer's** Stand. Hang accessories on the pegs.

***** ** INSTALLATION COMPLETE ***** **

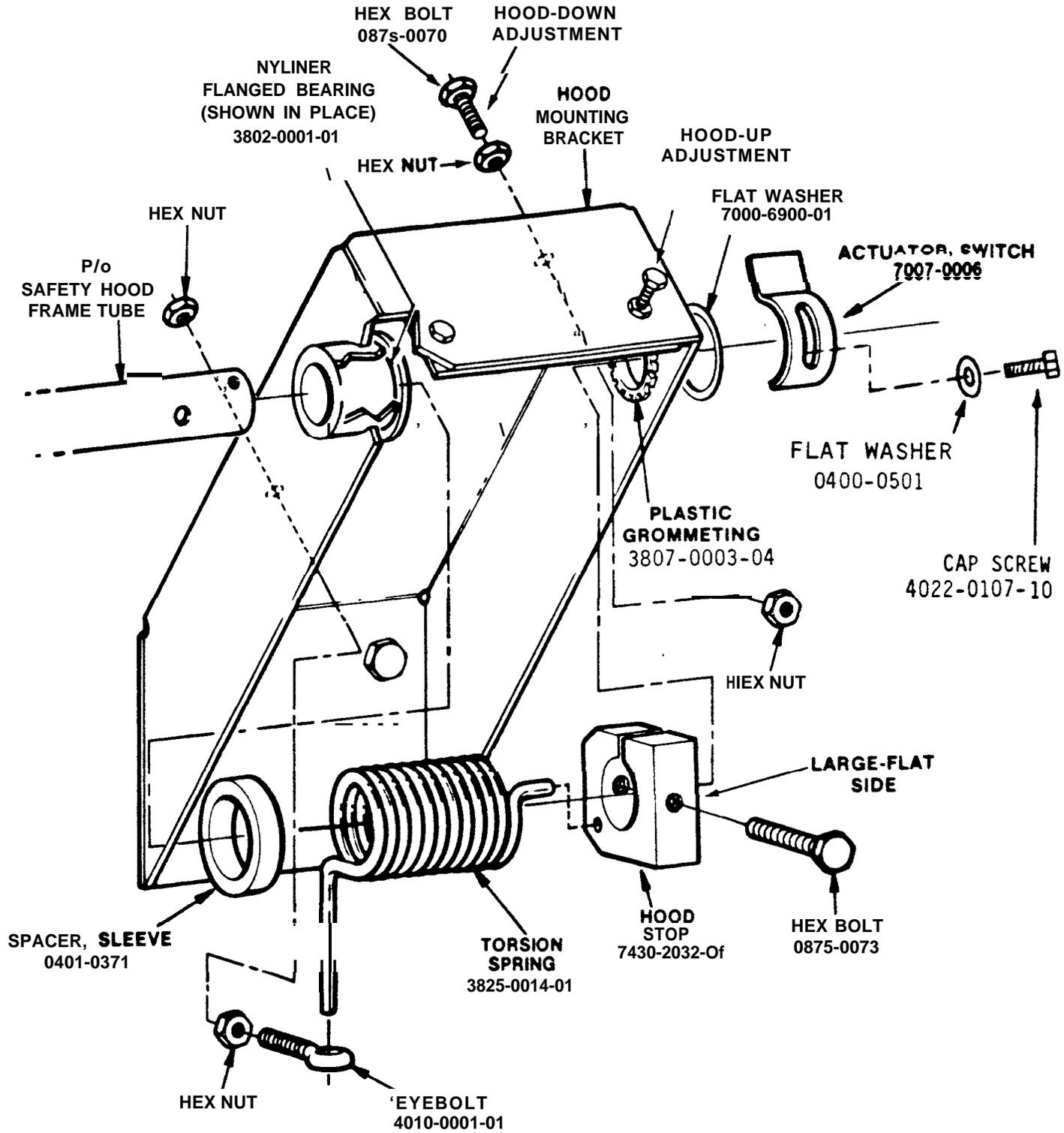


FIGURE 2