

## Replacing Cam Lever Assemblies on Aluminum Frames

### Parts Needed:

- "Left" and "Right" sided cam levers.

Long Frame sides use "Right"  
Short Frame sides and Middle Bar use "Left"

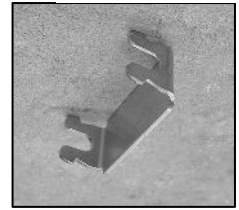
- Replacement End Caps (one for each complete frame piece).
- Hammer, Screwdriver (Phillips-head and/or Allen-head).

Cam Levers Assemblies



Left Right

End Cap



### Long Frame Side:

1. Remove the corner blocks from both ends of the long frame side by unscrewing the corner block bolt (Figure 1).
2. Slide the two pieces of extrusion completely apart.
3. Remove the old cam lever assembly by sliding it off the open mitered end of the extrusion. (**Note:** If your old cam lever and knob are made of polished aluminum, you will first need to remove the bolt connecting the old cam lever assembly to the extrusion before sliding the cam lever assembly off (Figure 2)).
4. Remove the old end cap from the extrusion and replace with a new end cap (Figure 3).

Figure 1



Figure 2

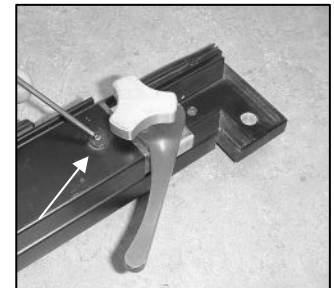
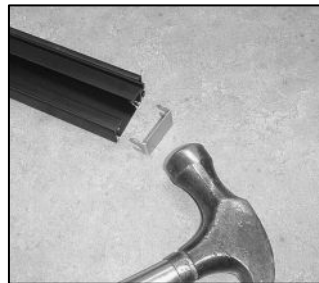


Figure 3



5. Hook the guide ears from the new "Right" sided cam lever assembly onto the open mitered end of the extrusion piece with the end cap, and slide it all the way down to the end cap (Figures 4, 5 and 6).

Figure 4



Figure 5



Figure 6



- Loosen the cam lever knob and hook the end of the assembly spring behind the end cap (Figure 7). Use a small screwdriver if necessary to push spring behind the end cap.
- Slide the open channel from the other piece of extrusion completely over the new cam lever assembly (Figure 8). As you slide the pieces together, be sure the headed spacer slips into the channel on the opposite piece of extrusion (Figure 9). Tighten the cam lever knob and work cam lever a few times. If it doesn't work smoothly, remove the cam lever assembly, check the spring position, and reinstall.

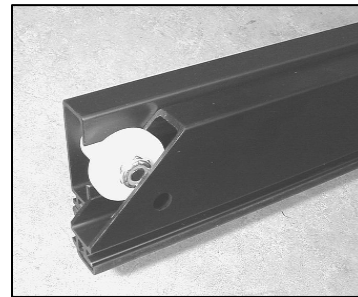
Figure 7



Figure 8



Figure 9

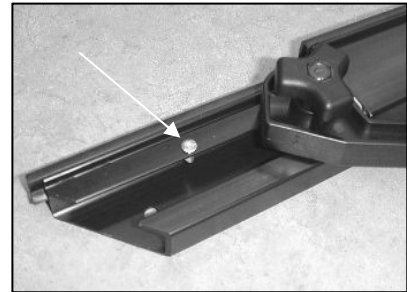


- Reinstall corner blocks.

#### Short Frame Side:

- Remove small stop screw or stop rivet (with 1/8" drill bit) from the extrusion (Figure 10).
- Follow steps 2 through 7 for **Long Frame Side** above, except use "Left" sided cam lever assembly.
- Reinstall stop screw or replace stop rivet.

Figure 10



#### Middle Bar:

- Remove end hooks from middle bar (Figure 11).
- Follow steps 2 through 7 above for **Long Frame Side**, except use "Left" sided cam lever assembly.
- Reinstall end hooks.

Figure 11

