



TM

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Angle Attachment Installation Instructions

- **Tools Needed:**
#2 Phillips Head screwdriver
Screw gun with 5/16" nut driver and 11/32" nut driver
1/8" drill bit for pilot holes

- **Installation package includes:**

2 pair of swivel fittings with bases
(2 tops and 2 bottoms)

8 #10 X 1" Hex Head Screw (Midway only)

24 #10 X 1" Hex Head Screw (Summit only)

4 #8-32 Hex Head Lock Nut

4 3/16" X 9/16" Flat Washer (Midway only)

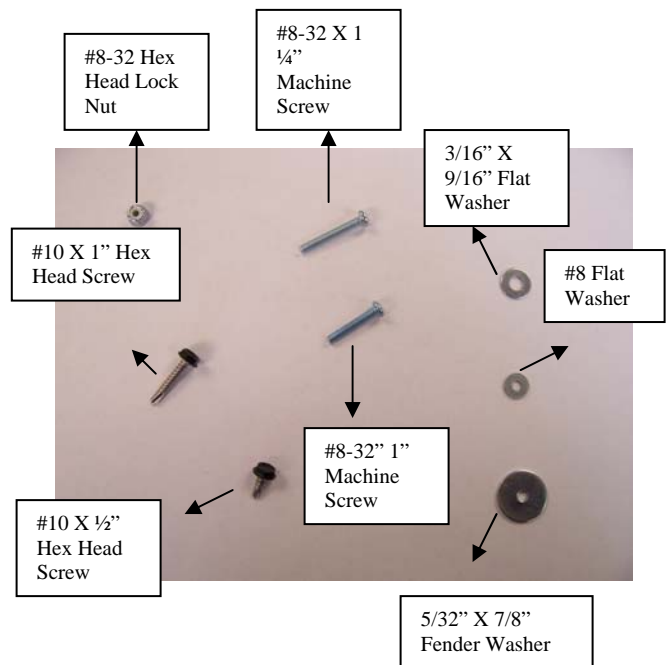
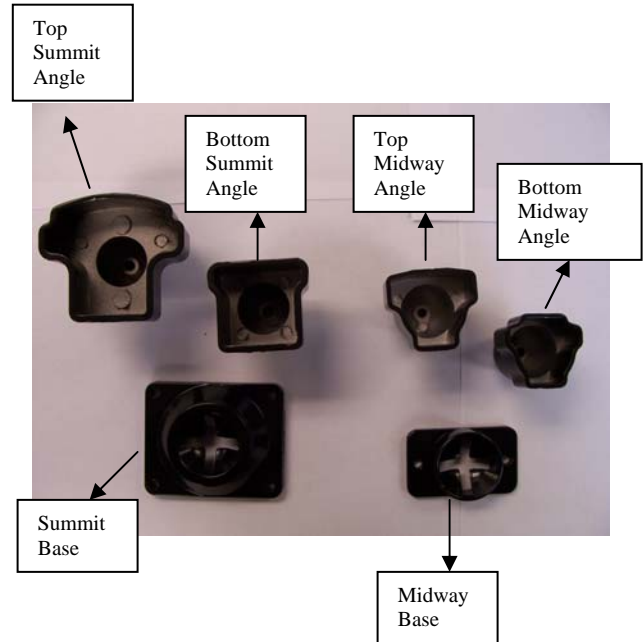
4 5/32" X 7/8" Fender Washer (Summit only)

4 #8 Flat Washer

4 #8-32 X 1" Machine Screw (Midway only)

8 #10 X 1/2" Hex Head Screw (Midway only)

4 #8-32 X 1 1/4" Machine Screw (Summit only)



1. Install Post

2. Assemble Ball & Socket Fitting

- a. Insert the bigger washer and the #10 machine screw through the back of the socket fitting (base) and through the ball fitting.
- b. Loosely fit the machine screw with the #8 washer and the #8 lock nut from the inside of the ball fitting.
- c. After determining the desired angle, use a Phillips screwdriver and 11/32" nut driver to tighten.



3. Install Angle Attachment to Post

- a. Temporarily place top and bottom angle attachment fitting to the end of the rail section.
- b. Hold rail section and fittings to the post to determine desired level of installation.
- c. Mark flange holes at desired location.
- d. Remove fittings from rail section and attach fittings to post with #10 X 1" Hex Head Screw.



4. Attach Railing to Angle Attachment

- a. Insert railing into fittings.
- b. Pre-drill sides of fittings through the cross bar of the railing with the 1/8" drill bit.
- c. Install #10 X 1/2" screw (Midway) or #10 x 1" screw (Summit) through the pre-drilled hole.



5. Repeat on both sides of the fittings top and bottom.