



ASSEMBLY INSTRUCTIONS



STANDARD MAILBOX

SlopBuster™ Protection System mounts directly to base of 4" x 4" mailbox wood post.



PLASTIC MAILBOX

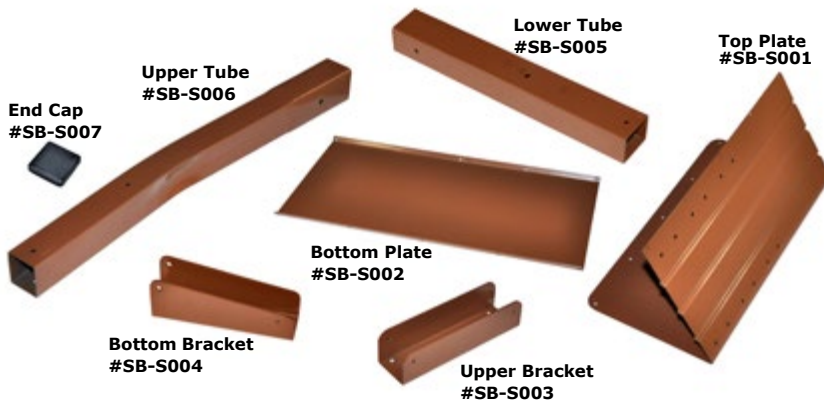
Access opening needs to be cut out then SlopBuster™ Protection System can be mounted directly to base of 4" x 4" wood post.



DECORATIVE MAILBOX

Remote 4" x 4" wood post needs to be installed, for mounting of SlopBuster™ Protection System. Special Remote Installation Accessory is available for purchase OR just bury 4" x 4" into ground. (See page 8 first)

What's in the Box



www.SlopBuster.com

SlopBuster™ distributed by Erie Products, 202 East Fox Rd., Sandusky, OH 44870 | 419-433-8293 | sales@eriep.com

Step 1 Assemble Top Bracket



Step 1 Fasteners used

- Truss Head Screws #SB-F001
- Nylon Top Locking Nuts #SB-F002

Step 1 Tools needed

- Screw Driver
- Adjustable Wrench



Figure 1.1

- 1.1 Locate formed top plate with angle bend #SB-S001. Place upper bracket #SB-S003 in desired location for type of mailbox installation as shown. *(There is no top or bottom to the bracket. If mailbox is located on center of post locate top bracket in center of top plate aligning four holes. If mailbox is located to one end of the post then locate the upper bracket to one side so that deflector flag will cover the majority of the mailbox when assembled.)* (Figure 1.1)
- 1.2 Use the four 1/4 -20 truss head screws #SB-F001 and the four 1/4-20 Nylon topped locknuts # SB-F002 and fasten the top bracket tightly in place. This assembly is called the flag. *(Screw heads must be on bracket side and the nuts on flag side to allow for tube clearance.)*

Step 2 Assemble Flag



Step 2 Fasteners used

- Truss Head Screws #SB-F003
- Star Locking Nuts #SB-F004

Step 2 Tools needed

- Screw Driver



Figure 2.1

- 2.1 With upper bracket installed to top plate stand top plate on end and align bottom plate #SB-S002 as shown. (Figure 2.1)
- 2.2 Install the ten 8-32 X 3/8 truss head screws #SB-F003 and 8-32 star locking nuts #SB-F004. Starting from the center of the plates on both sides, put all 10 screws in (*finger tight only*), and then tighten all 10 securely for best alignment.
- 2.3 Place this assembly aside.

Step 3 Assemble Bottom Bracket for Standard Mailbox *(Plastic mailbox refer to step 4)*



Step 3 Fasteners used

- Lag Bolts #SB-F005
- Washers #SB-F006

Step 3 Tools needed

- Pencil
- Drill with 1/4" Bit
- Socket Wrench Set
- Tape Measure & Level

3.1 Locate bottom bracket #SB-S004. Measure 31 inches from the center of the mailbox to the top of the bottom bracket. Place on side of mailbox post (*facing oncoming traffic*) with the large hole end toward the top or the larger end of the bracket up as shown. *It is helpful to place a small piece of wood at the bottom to rest the bracket on the ground for location as shown.* (Figure 3.1)



Figure 3.1

3.2 Center the bracket on the post, use a level or measure to make sure the bracket is in line with the mailbox post or the completed assembly will be out of alignment.



Figure 3.2

3.3 Mark the two square holes with a pencil for drilling. (Figure 3.2)
NOTE: The two square holes will accommodate the lag bolts included but we offer the square holes if you choose to through bolt the bracket to your mailbox post with carriage bolts (not supplied) instead of the lag bolts (supplied). This can be done for the most rugged installation if required.



Figure 3.3

3.4 Next drill into the mailbox post about half way with a 1/4 inch drill bit to make pilot holes for the lag bolts. (Figure 3.3)



Figure 3.4

3.5 Place the 2 3/8 X 4 inch lag bolts #SB-F005 and the 2 3/8 inch flat washers #SB-F006, through the lower bracket (*Make sure that the large hole in the bracket side is up*) and tighten with a socket wrench securely while making sure the bracket is aligned vertically. (Figure 3.4)

Step 4 Assemble Bottom Bracket for Plastic Mailbox *(Standard mailbox refer to step 3)*



Step 4 Fasteners used

- Lag Bolts #SB-F005
- Washers #SB-F006

Step 4 Tools needed

- Pencil
- Drill with 3/8" Bit
- Socket Wrench Set
- Sharp Razor Knife

When using a mailbox that has a plastic post mount as shown, a portion of the plastic must be removed before attaching the lower bracket #SB-S004 to the post. Measure 31 inches from the center of the mailbox to the top of the bottom bracket. This is best done by locating the bottom bracket on the side of the plastic post with the bracket resting on the wood rest. Make sure that bottom bracket is centered on 4" x 4", not plastic mailbox post.

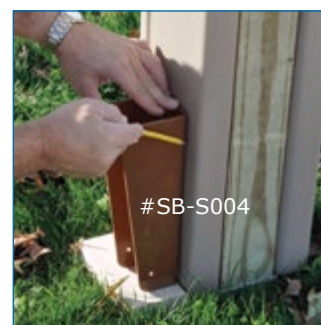


Figure 4.1



Figure 4.2



Figure 4.3



Figure 4.4

- 4.1** Draw an outline around the outside of the bracket, then remove the bracket. *Note: This bracket must be plumb or vertical with mailbox post or the entire assembly will be crooked. (Figure 4.1)*
- 4.2** Using a sharp razor knife, carefully cut the plastic on the side of the plastic post you marked as shown. *(Figure 4.2)*
NOTE: there are many types of plastic mailboxes so consideration must be taken when positioning the lower bracket so that the lower bracket will fasten securely to the post.
- 4.3** Remove the scrap plastic piece and position the lower bracket through the cut out rectangular hole. *(Figure 4.3)*
In many cases a small length of firing strip or 3/4 X 3 piece of wood is required to space the lower bracket out so that the lower tube mounting bolts will clear the outside edge of the plastic mailbox post as shown. This can be purchased at any lumber supply store, it is only a spacer.
- 4.4** Drill 3/8 diameter clearance holes in the piece of wood to accommodate the body of the lag bolts.
- 4.5** Follow final assembly steps to mount the lower bracket in step #3. *(Figure 4.4)*

Step 5 Assemble Lower Mount Tube



Step 5 Fasteners used

- Top Bolt #SB-F009
- Bottom Bolt #SB-F007
- Nylon Top Locknut #SB-F010
- Nylon Bottom Locknut #SB-F008

Step 5 Tools needed

- Socket Wrench Set
- Adjustable Wrench

NOTE: The two bolts mounting the lower tube are different sizes. The SlopBuster™ is designed so that the bottom, smaller bolt will shear off and allow the SlopBuster™ to pivot on the upper bolt if a vehicle hits the mailbox. City, Township, County, State and Federal laws mandate that rural mailboxes must be of a break away nature.



Figure 5.1

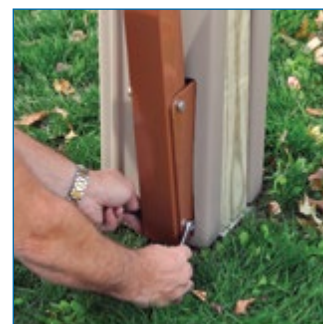
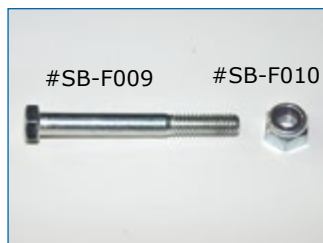


Figure 5.2

- 5.1** Locate lower tube #SB-S005 and place it into lower bracket #SB-S004. There is one 3/8 inch hole and one 1/4 inch hole in the lower tube.
- 5.1** Locate these two holes on the lower bracket and put the top 3/8 -16 X 3 1/4 bolt #SB-F009 through the lower bracket and lower tube. (Figure 5.1)
- 5.1** Place a 3/8 – 16 Nylon top locknut #SB-F010 onto the bolt (finger tighten).
- 5.1** Next put the 1/4 - 20 X 3 bolt #SB-F007 through the lower bracket and lower tube.
- 5.1** Place a 1/4 - 20 Nylon top locknut #SB-F008 onto the bolt and tighten securely, go back and tighten the 3/8 inch bolt securely as well, making sure that the lower tube is aligned in a straight vertical position with the mailbox post. (Figure 5.2)

Step 6 Assemble Upper Mount Tube



Step 6 Fasteners used

- Bolt #SB-F007
- Nylon Top Locknut #SB-F008

Step 6 Tools needed

- Socket Wrench Set
- Adjustable Wrench

- 6.1** Upper tube mount. Locate upper tube #SB-S006, hold the upper tube with the expanded end pointed down, this end will slide over the lower tube. (Figure 6.1)
- 6.2** With the upper tube mounting hole aligned with the lower tube mounting hole located on the sides of the tubes place the upper tube over the lower tube. *NOTE: make sure that the upper tube bend is facing the mailbox as shown in a vertical plane.* (Figure 6.1)
- 6.3** Next place one 3/8 – 16 X 3 1/4 bolt #SB-F009 through the upper and lower tubes. Use a 3/8 Nylon head locknut #SB-F010 and secure tightly, again making sure that the tube assembly is vertical straight and the upper tube bend is facing the mailbox. (Figure 6.2)



Figure 6.1



Figure 6.2

Step 7 Assemble Flag to Upper Mount Tube



Step 7 Fasteners used

- 2 Bolts #SB-F007
- 2 Nylon Top Locknuts #SB-F008

Step 7 Tools needed

- Socket Wrench Set
- Adjustable Wrench

7.1 Locate the Flag Assembly previously assembled to upper bracket #SB-S003. Place the assembly with upper bracket onto the upper tube as shown, the rounded edge of the flag assembly should be facing down and to the outside of the mailbox as shown. (Figure 7.1)



Figure 7.1

7.1 Next place two ¼ - 20 X 3 inch bolts #SB-F007 through the upper bracket and top tube #SB-S006. It is easiest to place the top bolt in first then the lower bolt. (Figure 7.2)



Figure 7.2

7.1 Place two ¼ - 20 Nylon top locknuts #SB-F008 onto the bolts and tighten securely. The flag assembly should be located in front of the largest portion of the mailbox. (Figure 7.3)



Figure 7.3

Step 8 Finish Assembly

8.1 Last, locate the plastic tube end cap #SB-S007 and place it into the top tube end above the upper bracket to keep water out of the tube assembly. Tap this in place with a hammer if necessary. Use a small block of wood on top of end cap before hammering to protect end cap.



Figure 8.1



Support Tube Accessory Kit

- 4 Nails #RP-S002
- 1 Support Tube Accessory #RP-S001

Tools/Supplies needed

- 4" x 4" Post
- Hammer & Shovel
- Cement (Optional)
- Paint (Optional)
- Decorative Cap (Optional)
- End Cap #SB-S007 (See step 8)



Figure 9.1

A separate 4" x 4" wood post needs to be installed for mounting of SlopBuster™ Protection System when used with decorative mailbox posts.

1. Purchase 18" x 4" x 4" Support Tube Accessory Kit
2. Dig a 24" deep hole for a 4" x 4" remote Support Tube assembly.
3. Using a 15" section of 4" x 4" wood post, insert 9" into Support Tube Accessory and attach with supplied nails. (Figure 9.1)
4. Bury or cement into the ground this assembly so that the top of extension tube is flush with the ground. Make sure assembly is straight and plumb. it will help to place another section of 4X4 into tube end extending from ground and place a level on the side of it. *NOTE: keep level with ground so a lawn mower can pass over tube end without hitting it.*
5. Once cement is set, or post is firmly in place, a second piece of 4" x 4" wood post is placed into top of Support Tube Accessory. The post should be long enough so when lower mounting bracket is installed on the post, the measurement from the center of the mailbox to the top of the lower mounting bracket should equal 31 inches. The remote post can be painted and a decorative cap (*available at most home supply stores*) can be installed to make the assembly more decorative as shown.
6. The Remote Post is then ready for mounting of SlopBuster™ Unit.
(GO TO STEP 1.)

