

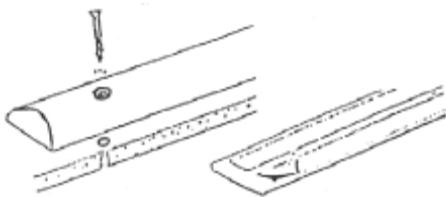
# Installation Guide: Economy Plastic Speed Bumps

## Lag Bolt Method:

Recommended for asphalt or concrete where drilling holes is permitted *or for installations where speed bumps will be removed occasionally (i.e. snow plowing).*

### **Components:**

- Economy Plastic Speed Bumps
- One ½" x 5" lag bolt for each hole in the speed bump
- Two ½" washers for each lag bolt
- One ½" x 3 ½" anchor for each lag bolt
- 4" wide strips of butyl rubber adhesive tape
- Trimming knife
- High-speed hammer drill with a ¾" masonry bit
- Impact wrench or heavy ratchet with ¾" socket



1. Position the speed bump in the desired location and position. Using the pre-drilled holes as a guide, mark the pavement at each hole on the speed bump.
2. Remove the speed bump. Using a high-speed hammer drill with a ¾" masonry bit, drill a hole at each marked location to a depth of 3 ½" below the road surface.
3. Insert a lag anchor into each hole in the pavement (large anchor opening on top). Tap the anchor into the hole with a hammer so that the anchors are set flush with the surface. Place a washer over each anchor hole.
4. Place the speed bump, bottom up, next to the installation position. Apply a strip of the butyl tape on each side of the holes (see illustration above).
5. Smooth and adhere the tape to the bottom of the speed bump by hand or with a roller. Remove the protective paper.
6. Make sure the pavement is thoroughly clean and dry. Align the holes in the speed bump with the holes you drilled in the pavement and lower the speed bump into position. Press down with firm hand pressure. Slip a washer onto a lag bolt, insert the bolt through a pre-drilled hole in the speed bump and tighten the bolt about three quarters of the way with the ¾" socket.

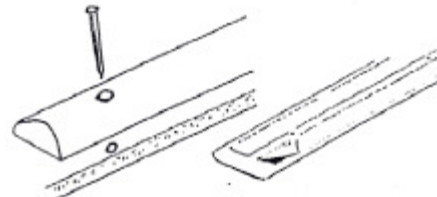
Repeat for each hole in the speed bump. Finish tightening each bolt until just snug. **DO NOT OVER TIGHTEN!** Excessive tightening may damage the bump and will void the product warranty.

## Steel Spike Method:

Recommended for use on asphalt surfaces.

### **Components:**

- Economy Plastic Speed Bumps
- One ½" x 12" 'headed' steel spike for each hole in the speed bump
- 4" wide strips of butyl rubber adhesive tape
- Trimming knife
- High-speed hammer drill with a 3/8" masonry bit
- Large hammer for driving spikes



1. Position the speed bump in the desired location and position. Using the pre-drilled holes as a guide, mark the pavement at each hole on the speed bump.
2. Remove the speed bump. Using a high-speed hammer drill with a 3/8" masonry bit, drill a hole through the asphalt at each marked location to avoid fracturing the asphalt with the spike.
3. Place the speed bump, bottom up, next to the installation position. Apply a strip of the butyl tape on each side of the holes (see illustration above).
4. Smooth and adhere the tape to the bottom of the speed bump by hand or with a roller. Remove the protective paper.
5. Make sure the pavement is thoroughly clean and dry. Align the holes in the speed bump with the holes you drilled in the pavement and lower the speed bump into position. Drive the spike through the speed bump and into the drilled hole until the spike is snug against the counter bored surface of the speed bump's pre-drilled hole.

Repeat for each hole in the speed bump. **DO NOT DRIVE BEYOND "SNUG"!** If driven too far, the spike may damage the speed bump and will void the warranty.

## **Red-Head™ LDT Fastener Method:**

Recommended for concrete only.

### **Components:**

- Two (2) ½" x 3" Red-Head™ LDT Fasteners
- High-speed hammer drill with a 7/16" masonry drill bit
- Impact wrench or heavy ratchet with ¾" socket

1. Position the speed bump where you want to install it. Using the holes molded in the speed bump as templates, mark the location of each outer hole on the concrete surface.
2. Remove the speed bump. Using a high-speed hammer drill with 7/16" masonry bit, drill a 1.5" deep hole in the concrete at each marked location.
3. Place the speed bump, bottom up, next to the installation position. Apply a strip of the butyl tape on each side of the holes.
4. Smooth and adhere the tape to the bottom of the speed bump by hand or with a roller. Remove the protective paper.
5. Reposition the speed bump so that the molded holes line up vertically with the pilot holes you drilled. Insert the LDT bolts through the outer two holes in the speed bump and tighten the bolts with a ¾" socket. Finish tightening each bolt until just snug. **DO NOT OVER TIGHTEN!** Excessive tightening may damage the bump and will void the product warranty.