

## Required Tools & Installation Instructions for RK-10, RK-18 & RK-36 Speed Breakers

### 1) Equipment and tools required for installation of RK Speed Breakers

Please note that the quantities specified below are the minimum quantities that are likely to be required for each installation.

- 1 2.5 kva (minimum) or 2500 watt portable generator
- 1 Hammer drill (slow speed, high torque works best)
- 1 Masonry drill bits 9/16" x 1" long
- 1 110v extension cords - 50' long x 12 gauge
- 1 Air (or 110 volts) impact wrench, 1/2" drive (or 1/2" drive ratchet) with **9/16"** socket
- 1 100 p.s.i. portable air compressor with 50' long hose
- 1 2 lb ball peen hammer
- 1 Medium size screwdriver
- 1 Long nose air nozzle to blow out holes or wet/dry shop vacuum with long nozzle
- 1 Tape measure - 50' long
- 1 Chalk line with chalk
- 1 Stiff broom
- 1 Dust pan
- 1 Dust brush

### 2) Installation Instructions

RK-18 and RK-36 speed breakers are modular systems that can be installed in different lengths or configurations to accommodate the user.

RK-18 (shown) and RK-36 consist of center and end modules. See *Figure 1*.

Hardware is included for each center and end module for the RK-18 and RK-36. It consists of 4 stainless steel lag bolts, 4 stainless steel washers, 4 pavement anchors and a metal dowel. There will be 2 bolts, washers and anchors and a metal dowel for the RK-10. See *Figure 2*.



*Figure 1*



*Figure 2*

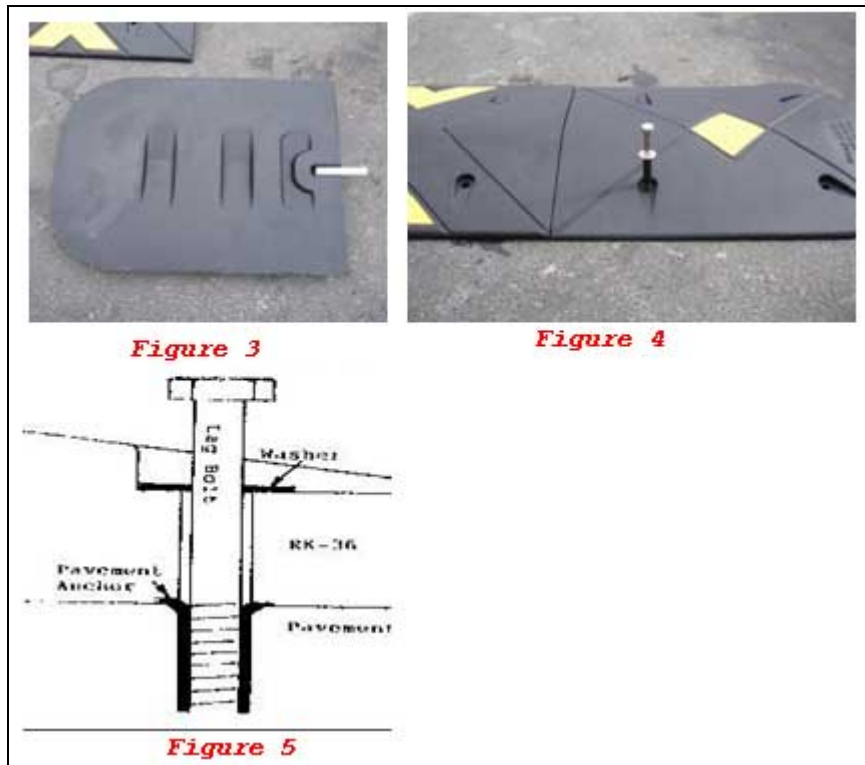
## Installation Instructions for RK-10, RK-18 & RK-36 Speed Breakers continued

### TO INSTALL:

1. Use a chalk line for alignment.
2. Starting from either end, insert a metal dowel in the slot (See Figure 3) and continue with a dowel in each module, placing each module tight against each other.
3. Starting from either end, drill a 9/16" hole through the rubber to a depth of at least 4" into the pavement.

**NOTE: STANDING ON UNIT WHILE DRILLING THE HOLES WILL KEEP IT FROM MOVING.**

4. Thoroughly blow out the holes.
5. Insert the anchor-washer-bolt combination into the hole. (See Figure 4).
6. Pound in until the lip of the anchor is down to pavement level. (See Figure 5)



7. Tighten the bolt using a 9/16" socket until the washer is firmly seated. DO NOT OVERTIGHTEN.
8. After insuring that the center piece is snug against the end piece, repeat above process. Repeat with each additional piece, checking the alignment and making sure the pieces are snug against the last one installed.