



RAM JACK[®]

2015 CASE STUDY

Type: Residential | Issue: SC201506

**Helical Piles
Recover Porch
Slab Sinking
Due to Poorly
Compacted
Soil**



RAM JACK LOCATION:

Ram Jack South Carolina

www.ramjackse.com | 866-735-3085

Ridgeway, SC



BEFORE: Porch slab settled up to 2 in., creating a gap between the slab and the house

RECOVERED PORCH SLAB

RAM JACK SOUTH CAROLINA

RIDGEWAY, SC
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Just looking at this residence from outside, you'd never suspect the home had structural issues. The classical home boasts timeless style, plenty of space, and a gorgeous yard. Situated in the quaint South Carolina town of Easley, it is everything you'd expect of a Southern abode. It is both warm and inviting, perfect for entertaining a large party or for quietly enjoying a cup of hot coffee on the porch. Once you reach that porch, however, a problem quickly becomes evident - it slopes.

Situation

The homeowners contacted Ram Jack South Carolina when they noticed the concrete floor of the porch, which had once been level, had begun to settle. Ram Jack sent a foundation specialist, who found that the porch slab had fallen as much as 2 in. at the center. Presumably, the soil beneath the porch had not been properly compacted prior to its con-

struction, and with the increased weight of the concrete slab, the soil settled, bringing the porch with it.

Proposed Solution

After a thorough inspection, Ram Jack South Carolina professionals proposed the installation of three helical piles. These piles would be used to lift and stabilize the sinking concrete slab.

Outcome

When the crew arrived to install the piles, they noticed a new stair-step crack in the front, right corner of the concrete slab, indicating that the corner of the porch was settling as well. Knowing the corner of the porch slab would also need to be repaired, the crew came up with a new plan. In addition to installing the three proposed helical piles as scheduled, the crew added two helical piles to the porch's corner a few weeks later. When the job was finished, the porch was lifted to maximum practical recovery, the cracks were lessened, and the stability of the porch matched the beauty of the home.



BEFORE: Porch slab settled up to 2 in. in the center



DURING: Minimal disturbance to porch slab during installation