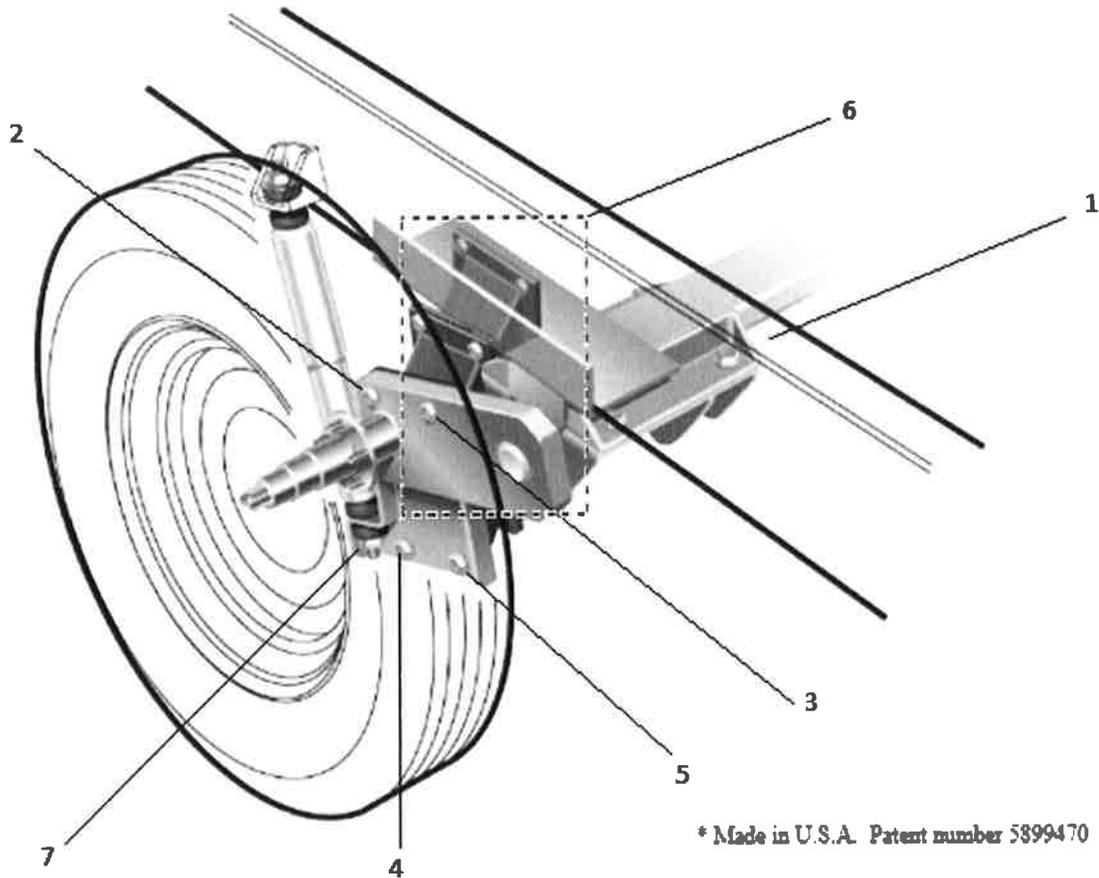


## IS Rubber Shear Spring Replacement Guide



We recommend that you read through instructions completely before beginning work in order to have a better understanding of the entire process and assure that important steps are not missed.

### Removal of Failed Spring

#### Step 1:

There are 2 nuts on inside of the journal bar (part #1). Remove the first nut completely and loosen the inside one about 3/8" – 1/2".

#### Step 2:

Place a jack under the rear, outer most point on the beam assembly (#7). This is the preferred location. If you cannot fit the jack here, it is ok to place it under the brake rotor or drum.

**Step 3:**

Remove all the bolts that attach the shear spring to the hanger (#6) that is attached to the frame of the unit.

**CAUTION: Since there is tension on the rubber shear spring, when the last bolt on the hanger is removed the spring is going to want to return rapidly to its original state. Please proceed with caution while keep yourself clear from the spring and beam assembly.**

**Step 4:**

Remove bolts, in order, #2, #3, #4, and #5.

**Step 5:**

Remove the rubber shear spring. You may need a hammer to loosen it in order to remove it.

**Installing the New Rubber Shear Spring**

**Step 1:**

**Loosely** bolt on the shear spring to the spring hanger (#6), all four bolts.

**Step 2:**

**CRITICAL – Proceed to bolt on bolt #2. Tighten just enough to close the gap between the shear spring and the beam assembly. By closing this gap it prevents this bolt from bending or breaking during the rest of the process.**

**Step 3:**

Place a jack under the rear, outer most point on the beam assembly (#7). Again, this is the preferred location. If you cannot fit the jack here, it is ok to place it under the brake rotor or drum. As you begin to jack up the beam arm, you may need to hammer the outside metal plate (plate closest to the tire) of the shear spring in order to twist the spring into place. Continue this process as needed in order to put bolt #3 in place. Tighten bolt #3 like bolt #2 in the previous step.

**Step 4:**

Again, jack and hammer as need to align #4 into place. Place an alignment tool (metal rod) in place of the bolt at this time.

**Step 5:**

Use the alignment tool in order to fit bolt #5 into place. Tighten bolt #5.

**Step 6:**

Tighten, in order, bolt #4, #2, and #3.

**Step 7:**

Remove jack.

**Step 8:**

Tighten the four bolts on the spring hanger (#6).

**Step 9:**

Reinstall the two nuts on the inside of the journal bar (#1).