Proper servicing and adjustment is key to the long life of all farm equipment. With careful and systematic inspection of equipment, costly maintenance, time and repair can be avoided. The following information will assist with recommended servicing and adjustments:
**Auto Reset Shank Adjustment:**
The dual spring package should be preloaded so that both top and bottom springs are loaded evenly and measure 23.8 inches in length. **Note:** The spring pack is factory set and should not be disassembled in the field. Serious injury can result from instant release of stored energy.

**Gauge Wheel Adjustment:**
1) Using the shank depth decal (1) located on the front of the sub soiler, determine the desired shank depth and pin placement.
2) Remove the cross pin (2) from the gauge wheel assembly and adjust the gauge wheel either up or down using the jack (3).
3) Once the desired holes line up, re-insert the cross pin to hold the gauge wheel in place. **Note:** It is important to re-install the cross pin to avoid overloading the jack during field operation.

**Coulter Height Adjustment:**
1) When adjusting the height of the coulter, start by subtracting 8 inches from the desired shank depth.
2) Take that distance and measure from the top of the frame to the top of the coulter shank. This adjustment will allow the coulter to run approximately hub deep during field operation.

**Coulter Alignment:**
1) Loosen the top and bottom jam nuts (4), set screws (5) and swivel limiter set screw (6). Lower the sub soiler into the ground and drive forward a few feet.
2) With the sub soiler in the ground, tighten the top and bottom set screws (5) and jam nuts (4). Position the swivel limiter in the center of the slot and tighten the set screw (6).
3) Check the alignment of the coulter and shank. Move either the coulter or shank so that the shank is in the center of the grove made by the coulter. **Note:** If the coulters need to swivel, loosen the top and bottom set screws (4) and jam nuts (5). Re-tighten the jam nut to prevent the set screw from falling out.
Coulter Spring Adjustment:

Coulter springs are preset at the factory giving coulters an initial operation force of 400+lbs. This setting is adequate for most field conditions. Resetting the coulter spring shorter than 9 7/8 inches can cause premature failure of parts.