



**Engineered Products**

# **ESCO Ultralok™ Tooth System**

**Installation & Removal**





**⚠ Important:** ESCO's warranty is void when points and adapters have been weld repaired or hardfaced.

### General/Safety Information

The practices described in this manual are meant as guidelines for safe operation under most conditions and are meant to supplement any safety rules and/or laws that may be in force in your area. Your safety and the safety of others results from putting into practice your knowledge of the correct operating procedures.

**⚠ WARNING:** When performing the work described in these instructions, always work safely and use proper safety equipment to help avoid injury. All persons performing maintenance work should wear OSHA-approved hard hat, safety glasses, steel-toed shoes, and gloves. To avoid injury to others, keep bystanders well out of the way.

## ESCO® Ultralok™ Tooth Installation and Removal

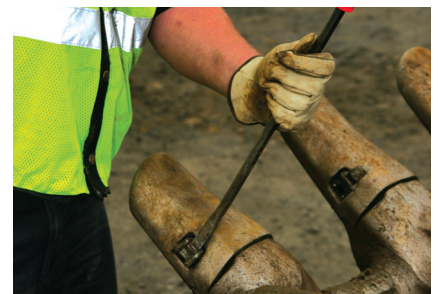
The Ultralok tooth system is designed for quick and easy replacement of teeth in the field. Just follow these step-by-step instructions to remove old teeth, inspect the nose and install new teeth. If you have any questions, please contact your ESCO representative.



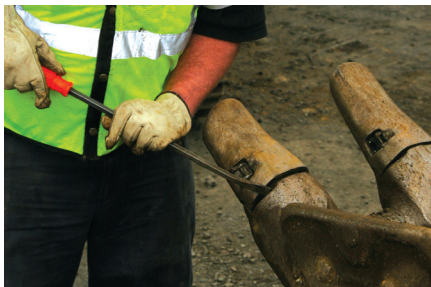
**Step 1:** Clean the lock cavity of fines on the top and bottom of the lock.



**Step 2:** Insert the pry bar into the top side of the lock and rotate the pry bar upward and toward the centerline of the point. Clean the fines from the second groove in the lock that is now exposed.



**Step 3:** Insert the pry bar into the second groove and again push the pry bar toward the centerline of the point until all three grooves are visible. **The lock will still be attached to the point.**



**Step 4:** In some applications, packed fines may inhibit point removal. Use the pry bar at the rear shoulder of the point to work it loose from the fines.



**Step 5:** Once the point is loose on the nose, slide the point off.



**Step 6:** Clean the nose of fines and dirt. After cleaning, inspect the nose for excess wear and peening. If necessary, weld repair or replace the adapter to ensure trouble free performance.



**Step 7:** Install the new point onto the nose. Make sure the lock is in the unlatched position before installing.



**Step 8:** Insert the pry bar into the lower side of the lock and the point wall. Push the pry bar toward the centerline of the point until the lock clicks into place. The distinctive click ensures the lock is properly installed.



**Step 9:** In the fully locked position, the lock face will be recessed from the surface of the point.

### Final Comment:

Once all of the points are replaced, double check to be sure all locks are fully installed. Now the machine is ready to go back to work.



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