

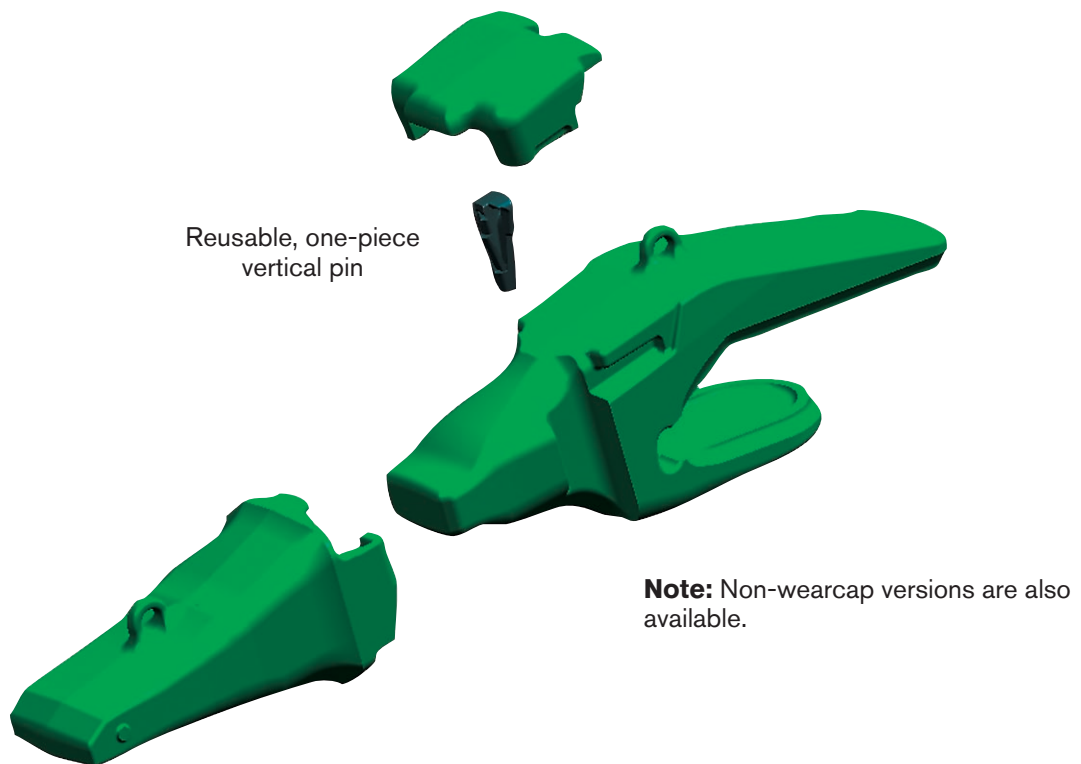


Engineered Products

ESCO SV2[®] Tooth System

Installation & Removal





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

General/Safety Information

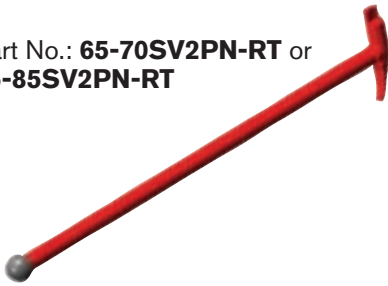
The practices described in this manual are meant as guidelines for safe operation under most conditions and are meant to supplement any safety rules and/or laws that may be in force in your area. Your safety and the safety of others results from putting into practice your knowledge of the correct operating 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® SV2® Pin Removal Tool Types

There are two types of SV2 pin removal tools; Type 1 is for normal applications, and Type 2 is for applications with increased packed fines. Please consult an ESCO technical representative to determine which type of tool is needed for the application.

Part No.: **65-70SV2PN-RT** or **75-85SV2PN-RT**



Type 1 tool for standard applications

Part No.: **65-70SV2PN-RT2**



Part No.: **75-85SV2PN-RT2**

Type 2 tools for applications with increased fines

ESCO® SV2® Installation Using Type 1 Tool

For 65SV2, 70SV2, 75SV2, and 85SV2 Teeth

For best results, position lip so the noses are pointing slightly upward to help prevent parts from sliding forward during installation.



1. Slide on wearcap.



2. Install the point.



3. Position the SV2 pin. The SV2 pin only installs into the point ear in one direction. Failure to position pin correctly can lead to pin and point loss.



4. Position pry tool. Place pry end of tool under pry tabs in wearcap (if wearcap present) or under the point for non-wearcap assemblies.



5. Lever the tool to lock pin in place. Often a ping sound occurs when the pin locks in place.



6. Check to ensure lock is bottomed out and latch is fully engaged. When installed, there should be no gap between the pin latch face and the point.

Problem solved.
www.escocorp.com

ESCO® SV2® Installation Using Type 2 Tool

For 65SV2, 70SV2, 75SV2, and 85SV2 Teeth
For best results, position lip so the noses are pointing slightly upward to help prevent parts from sliding forward during installation.



1. Slide on wearcap.



2. Install the point.



3. Position the SV2 pin. The SV2 pin only installs into the point ear in one direction. Failure to position pin correctly can lead to pin and point loss.

**Open
position**

**Closed
position**



4. The pry end of the tool must be in the open position for pin installation. The pry end must be closed at all other times.



5. Position pry tool. Place pry end of tool under pry tabs in wearcap (if wearcap present) or under the point for non-wearcap assemblies.



6. Lever the tool to lock pin in place. Often a ping sound occurs when the pin locks in place.

Note: The pry tool shown in steps 5 and 6 is 75-85SV2PN-RT2



7. Check to ensure lock is bottomed out and latch is fully engaged. When installed, there should be no gap between the pin latch face and the point.

⚠ 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.

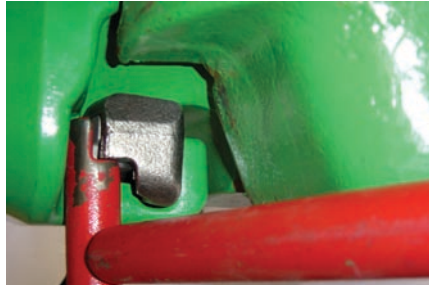
ESCO® SV2® Removal Using Type 1 Tool

For 65SV2, 70SV2, 75SV2, and 85SV2 Teeth

For best results, position lip so the noses are pointing slightly upward to help prevent parts from sliding forward during installation.



1. Clean area around the pin. It is important to remove packed material from around the front face of the pin and behind the pin to ensure proper tool engagement.



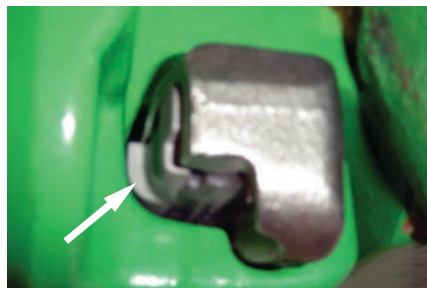
2. Position removal tool and insert the "L" shaped head of the removal tool so that it fully engages the latch.



3. **IMPORTANT:** If removal tool is not fully engaged, the latch may not release and the pin may not disengage.



4. Rotate tool handle toward the tip of the tooth. As tool is rotated, latch will release and pin will lift up and out of the ear. Pumping tool as it is rotated helps loosen packed fines.



5. Latch disengagement



6. Visually inspect pin prior to reuse. Clean and inspect for wear, and replace if worn or damaged. See following section for inspection and rebuild instructions.

ESCO® SV2® Removal Using Type 2 Tool

For 65SV2, 70SV2, 75SV2, and 85SV2 Teeth

For best results, position lip so the noses are pointing slightly upward to help prevent parts from sliding forward during installation.



1. Clean area around the pin. It is important to remove packed material from around the front face of the pin and behind the pin to ensure proper tool engagement.



2. Position removal tool and insert the "L" shaped head of the removal tool so that it fully engages the latch.



3. **IMPORTANT:** If removal tool is not fully engaged, the latch may not release and the pin may not disengage.

NOTE: The pry tool shown in Steps 3 and 4 is the 65-70SV2PN-RT2



4. After ensuring the pry end of the tool is in the closed position, rotate tool handle toward the tip of the tooth. As tool is rotated, latch will release and pin will lift up and out of the ear. Pumping tool as it is rotated helps loosen packed fines.



5. Latch disengagement



6. Visually inspect pin prior to reuse. Clean and inspect for wear, and replace if worn or damaged. See following section for inspection and rebuild instructions.

NOTE: The pry tool shown in Step 4 is the 75-85SV2PN-RT2

⚠ 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.

Inspecting and Reusing the ESCO® SV2® Pin

Inspection

The SV2 pin can be reused unless any of the following unacceptable conditions exist.



1. Inspect for excessive top wear.



2. Inspect for missing or damaged latch.



3. Inspect for distorted, damaged, or protruding rubber on the pin body.

Reuse

If reusing the SV2 pin, then check to see if fines have infiltrated the assembly as shown in Figure 4a and 4b. If fines are present, follow the procedures in Figures 5, 6, and 7 prior to reusing the pin.



4a.



4b.



5. If fines have infiltrated the SV2 pin assembly, then disassemble the pin by prying the latch and rubber plug from the pin body.



6. Remove the fines from the pin body cavity.



7. Reassemble latch and rubber in pin body.

Problem solved.
www.escocorp.com



Engineered Products

Engineered Products

ESCO Corporation

Covington, Kentucky, USA
Edmonton, Alberta, Canada
Frameries, Belgium
Guisborough, United Kingdom
Moenchengladbach, Germany
Newton, Mississippi, USA
Nisku, Alberta, Canada
Phoenix, Arizona, USA
Port Coquitlam, British Columbia, Canada
Port Hope, Ontario, Canada
Saskatoon, Saskatchewan, Canada
Singapore
Paris, France
Taiyuan, Shanxi, China (Joint Venture)
Xuzhou, Jiangsu, China

Bucyrus Blades, Inc.

Atacomulco, Edo de Mexico, Mexico
Bucyrus, Ohio, USA
West Jordan, Utah, USA
Steinbach, Manitoba, Canada

Contact your ESCO dealer today!



For more information about ESCO Corporation, visit
www.escocorp.com or call USA: **1.800.446.3726**

©2007 ESCO Corporation. All rights reserved. ESCO reserves the right to change these policies as conditions demand. ESCO and SV2 are registered trademarks of ESCO Corporation.