



NO CHORDS. NO HOSES. NO TRIP HAZARDS

SURESNAPETM PRO

FOR SNAP IT[®] ENGINEERED TUBE PLUGS

INSTALLATION & REMOVAL INSTRUCTIONS

MAN-8.5.1.1

SURESNAP™ PRO PLUG INSTALLATION & REMOVAL INSTRUCTIONS



SAFETY

- Read and fully understand all installation instructions before work commences.
- It's the user's responsibility to establish appropriate safety, health, and training protocols for all personnel operating, servicing, or working near this equipment.
- Operators must be knowledgeable in the correct operation, maintenance, and use of hydraulic tools. Insufficient knowledge in these areas may result in personal injury.
- Always wear appropriate eye, hearing, and hand protection.
- Keep your body, head, face, and all extremities clear of the rear of the hydraulic ram during operation.
- Never stand in front of or behind the hydraulic tool ("gun") during plug installation.
- The tools and components described in these instructions are intended solely for the installation and removal of heat exchanger tube plugs. Do not use this equipment for any other purpose.
- Do not operate the SureSnap Pro in explosive or hazardous atmospheres. Use in such environments may result in serious injury, property damage, or death.
- Unexpected tool movement or component failure may cause injury. Maintain a safe stance and position at all times during operation.
- Use proper body positioning to ensure you can safely manage normal or unexpected tool movement during operation.
- Inspect all equipment before each use. Do not operate any equipment that is damaged, modified, or in poor condition.
- There are no user-serviceable parts in these assemblies. If any component is found to be damaged or defective, contact the manufacturer for service or replacement.
- These instructions are intended for the end-user or operator of this equipment. Contact the manufacturer for additional information or parts references.
- Inspect all components for wear or damage before each use. Remove any equipment from service that is not in proper working condition.
- Replace any worn or illegible safety labels promptly.
- There are no user-modifiable parts or components in this product.
- Keep all system components clean at all times.
- Unauthorized changes or modifications to this equipment may void regulatory authorization to operate the device.

ALWAYS WEAR



**SAFETY
GLASSES**



**EAR
PROTECTION**



GLOVES

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PREPARATION

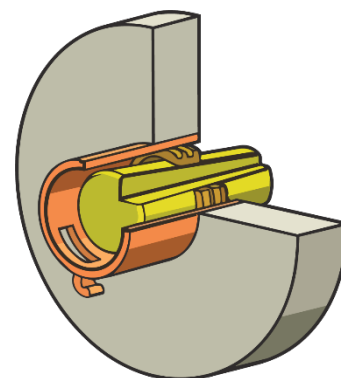
Brush and Vent Tubes:

All damaged tubes must be brushed and vented prior to plug installation. See Sections 1 & 2 in the Snap It Near End + Far End Plugging and Plug Removal Procedures (Man-64.1-Rev.K) for more information.

Brushing Tubes:

When cleaning the inside diameter (ID) of the tube, use the appropriate brush kit. Brush kits typically include three brushes (small, medium, and large), although some kits may contain up to five brushes.

- Always begin with the smallest brush.
- Remove debris, scale, corrosion, or pitting before proceeding.
- Continue with larger brushes as needed to properly clean the tube.
- A properly cleaned tube should be smooth without scale or pitting



Venting Tubes:

1. Use our One-Rev tube cutter to pierce the tube.
2. Once the tube is pierced, rotate the cutter an additional ¼ turn while maintaining forward pressure.
3. Reverse the rotation and remove the tool.

SURESnap PRO INSTALLATION TOOL HEADSTOCK PART IDENTIFIERS



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INSTALLATION:

The SureSnap Pro Kit includes:

- Full range of plug positioners
- Set of pull rods (Size I, II, III, IV)
- Two batteries
- One battery charger
- Four sizes of press washers
- One 11-ton battery-powered hydraulic tool with rotating head
- Neck strap
- Drill motor



Installation Procedure:

1. Select the correct pull rod for the plug size (See Snap It Near End + Far End Plugging and Plug Removal Procedures Section 5: Appendix-Charts for correct pull rod size).
2. Ensure threads are not damaged. Thread in the pull rod into puller, which should travel close to an inch.
 - Do not overtighten.
 - Once the pull rod bottoms out, back it off approximately ¼ turn.
3. Install the press washer corresponding to the pull rod size.
4. Slide the plug positioner over the pull rod.
5. Thread the Snap-It® plug onto the pull rod.
 - After the plug is fully threaded on, rotate the breakaway pin approximately ¼ turn counterclockwise to keep components loose for easier removal.
6. Adjust the press foot until light tension is applied to the Snap-It® plug.
7. Position the plug in the center of the tube sheet thickness.
 - Depress and hold the trigger until the plug snaps.

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8. Remove the tool from the tube.
 - Press the release button located on the rear of the tool.
 - Return the adjustable press foot to its original position.
 9. Remove the snapped breakaway section from both the pull rod and the installed plug.
 10. The system is now ready for the next plug installation.
 - Repeat the above steps for each additional plug.
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Removal Procedure:

1. Thread the removal spear into the Snap-It® plug pin and attach the slap hammer to the spear.
 2. Slide the slap hammer forward to dislodge the pin from the ring.
 - Minimal force is typically required.
 3. Tap the spear forward to help the threads engage the ring.
 - Tighten the spear using a wrench.
 - **Caution: Do not overtighten.**
 4. Use the slap hammer to remove the ring from the tube.
 5. Remove the pin and ring from the spear.
 - Clean the spear with a wire brush to remove any metal shavings.
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Important Note:

These procedures apply to **near-end applications only**.

Proper care and maintenance of your tools will help ensure reliable performance and long service life.

Take care of your tools, and they will take care of you.