SpeedHook®

Concrete Cutting System

OPERATOR'S MANUAL

F/N 70569 Oct 07

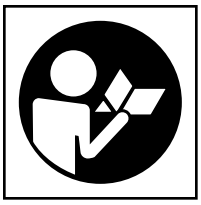
THE FOLLOWING SYMBOLS & DEFINITIONS ARE FOUND THROUGHOUT THIS MANUAL AND ARE DESIGNED TO MAKE YOU AWARE OF POTENTIAL HAZARDS OR UNSAFE PRACTICES.

⚠ WARNING — **A potentially hazardous situation exists which, if not avoided, could result in death or serious injury.**

⚠ CAUTION — **A potentially hazardous situation exists which, if not avoided, may result in minor or moderate injury or property damage.**

IMPORTANT — **A potential situation exists which, if not avoided, may result in product or property damage.**

THE FOLLOWING SYMBOLS & LABELS MAY BE FOUND IN THIS MANUAL OR ON THE SAW



Read the operator's manual carefully and understand the contents before you use this equipment.

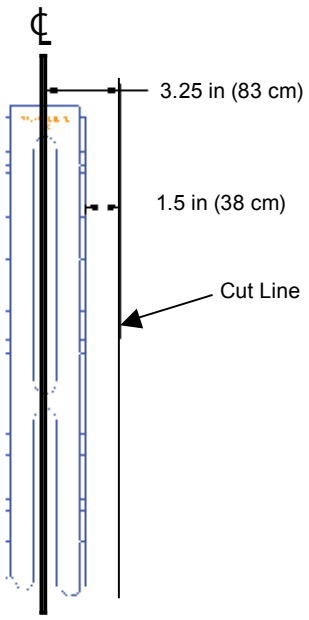
Always use:
- **Protective helmet**
- **Ear protection**
- **Protective glasses or full face protection**

Wear hand protection

GENERAL SAFETY PRECAUTIONS

- Always wear protective clothing, including hard hat, eye protection, hearing protection, and gloves.
- Avoid loose fitting clothing.
- Perform safety checks before starting each day.
- Always operate tool with solid footing and with both hands on saw.
- Remove or control slurry to prevent slippery conditions while cutting.
- Be sure there are no obstructions (plumbing, electrical conduit, air ducts) and no unnecessary people present.
- Set up a well-marked safety zone with a roped boundary and clear signs.
- Provide adequate ventilation when working in an enclosed area. Breathing exhaust gases is dangerous.

	SpeedHook	SpeedHook Jr.
Length	42 in (105 cm)	21 in (53 cm)
Width	3.5 in (89 mm)	3.5 in (89 mm)
Weight of Rail	18 lbs (8 kg)	9 lbs (4 kg)
Distance from cut line to ℄ of anchors, **A**	3.25 in (83 mm)	3.25 (83 mm)
Distance from cut line to ℄ outside rail, **B**	1.5 in (38 mm)	1.5 (38 mm)



Tools Required:

623GC / 633GC Gas Saws
1. 17 mm combination wrench

823 Hydraulic Saw
1. 13 mm combination wrench
2. 7 mm combination wrench
3. 2.5 mm Allen wrench
4. 9/16" socket & ratchet
5. Loctitie® 242 (blue, removable strength)

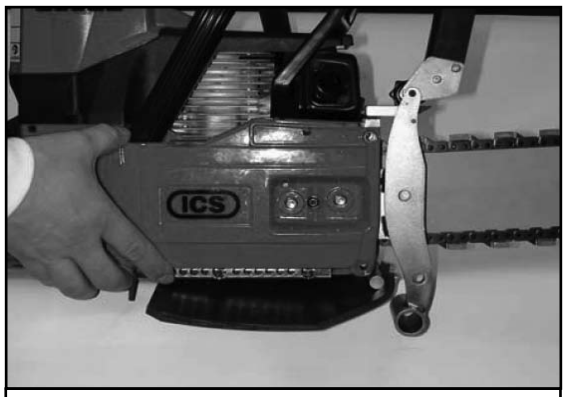
853PRO & 853PRO Plus Hydraulic Saw
1. 17 mm combination wrench
2. 13 mm combination wrench
3. 3/8" (9,53) masonry drill bit
4. 9/16" socket & ratchet
5. Loctitie® 242 (blue, removable strength)

813M & 814M Hydraulic Saw
1. 3/16" Allen wrench
2. Pliers

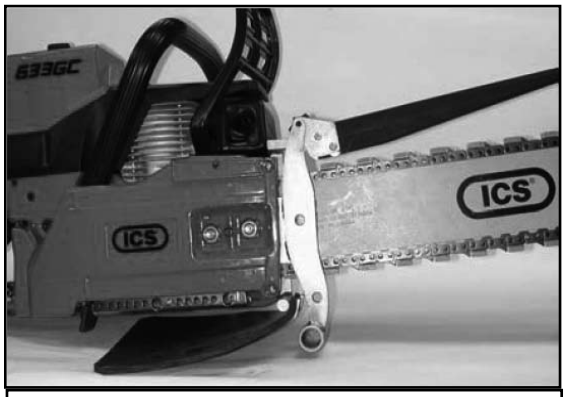
623GC AND 633GC GAS MOUNTING BRACKET INSTALLATION

STEP 1
Remove side cover (retain side cover for future use with Wallwalker©)

STEP 4
Insert axle into the mounting bracket as shown and firmly tighten knob



STEP 2
Mount SpeedHook© mounting bracket over bar mount studs

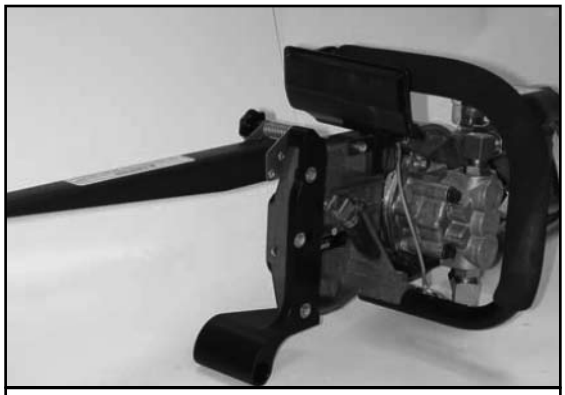


STEP 5
Complete assembly

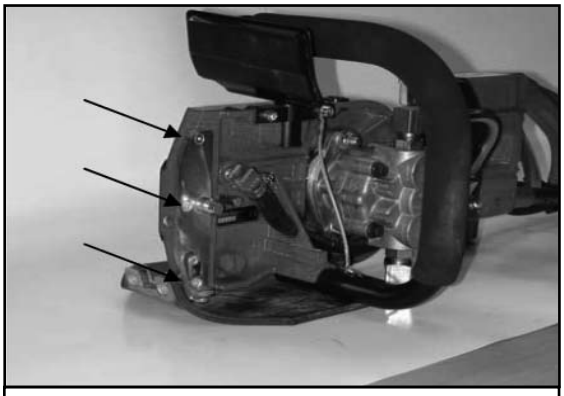
STEP 3
Tension bar and chain as described in the 633GC operators manual

823H HYDRAULIC MOUNTING BRACKET INSTALLATION

STEP 1
Remove Wallwalker© and spring

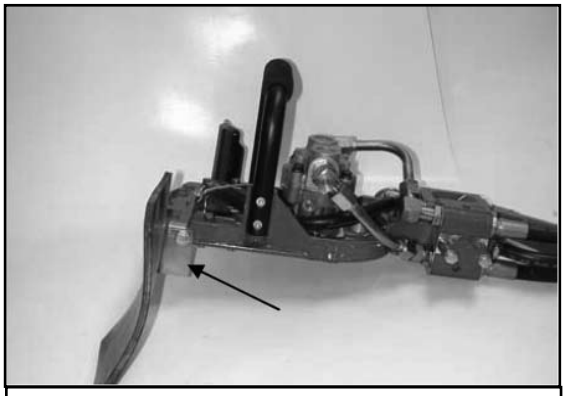


STEP 4
Attach SpeedHook© mounting bracket assy. *Note: Do not over tighten attachment bolts*



STEP 2
Remove Wallwalker© base plate

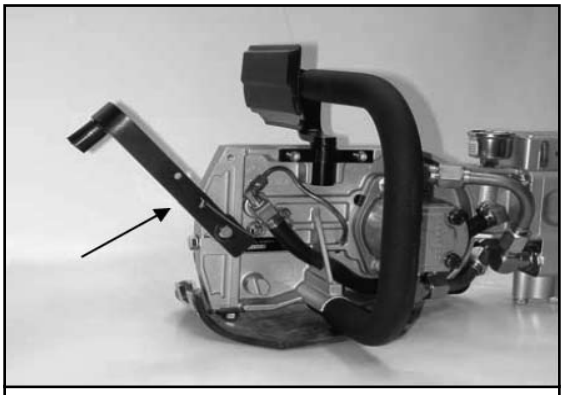
STEP 5
Insert axle into mounting bracket as shown and firmly tighten bolt



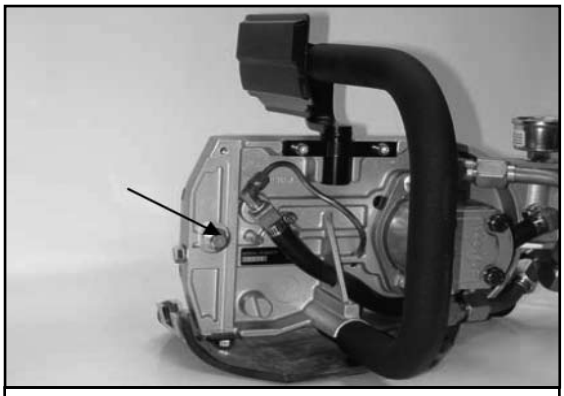
STEP 3
Remove mud flap and bracket

STEP 6
Complete assembly

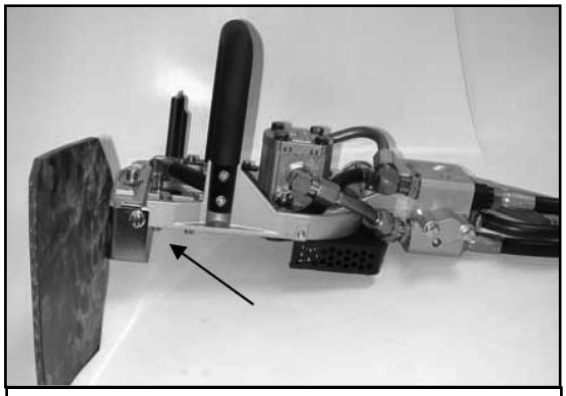
853PRO & 853PRO Plus HYDRAULIC MOUNTING BRACKET INSTALLATION



STEP 1
Remove Wallwalker© and spring



STEP 2
Remove Wallwalker© pivot stud



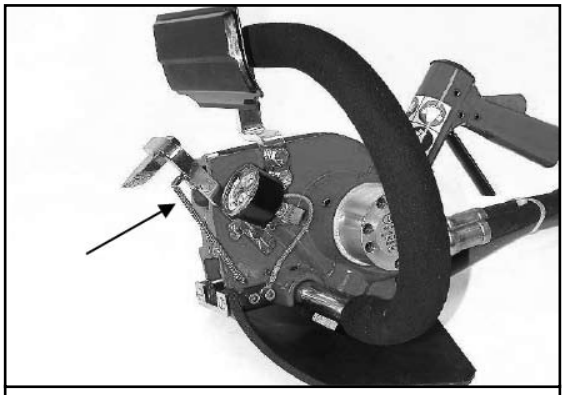
STEP 3
Remove mud flap and bracket

STEP 4
Attach SpeedHook© mounting bracket assy. *Note: Do not over tighten attachment bolts*

STEP 5
Insert axle into mounting bracket as shown and firmly tighten bolt

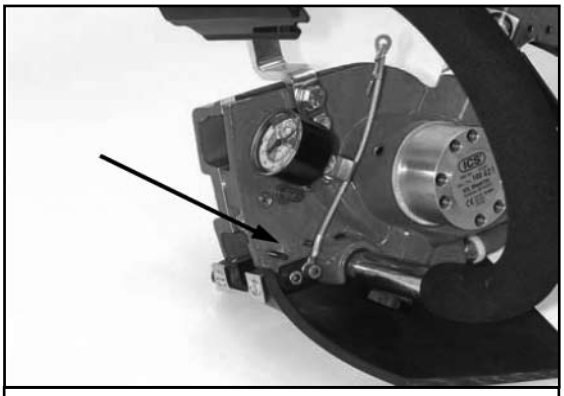
STEP 6
Complete assembly

813M & 814PRO HYDRAULIC MOUNTING BRACKET INSTALLATION



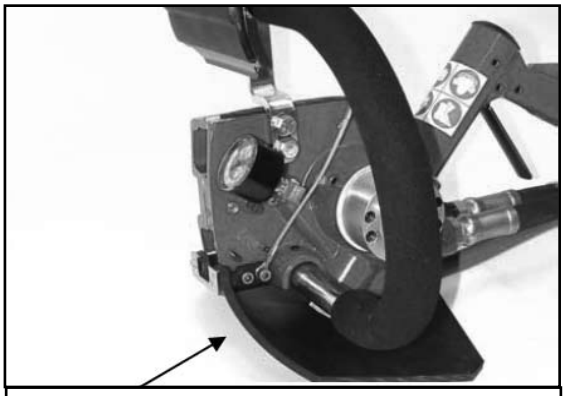
STEP 1
Remove Wallwalker© and spring

STEP 4
Attach SpeedHook© mounting bracket assy. *Note: Do not over tighten attachment bolts*



STEP 2
Remove spring anchor

STEP 5
Insert axle into mounting bracket as shown and firmly tighten bolt



STEP 3
Remove mud flap and bracket

STEP 6
Complete assembly

PLANNING THE CUT

The following steps are recommended to maximize cutting efficiency, productivity and assure safety:

- Outline the cut with a permanent marker.
- Layout concrete anchor marks 3¼ Inches (83 mm) inside each cut line.
- Set the anchors. Caution: The anchor bolts cannot protrude out of the wall more than 3/8 inches (35 mm) or interference with the SpeedHook® mounting bracket (on the saw) can occur.
- Cutting sequence: Always start with eh right-hand side cut first, then the bottom and then the top. Save the left-hand side cut for last. Using this sequence you will only need to reverse the axle for the last cut.
- Be sure cut concrete cannot fall and injure operator bystanders.
- Check for live electrical wiring near cutting areas or in the concrete to avoid electrocution which can result in death or serious injury.

MOUNTING THE SPEEDHOOK® TO WALL

- Loosely attach the rail to wall so that the horizontal and vertical adjustments can be made.
- Position the rail so that the scribe line near the bottom of the rail is where you want the cut to end.
- Position the outside of the rail exactly 1½ inches (38 mm) from the cener of the cut line and securely tighten the anchors.

MAKING THE CUT

- Engage the axle into the hooks of the track near the beginning of the cut.
- Rev up the save to full RPM.
- Slowly rotate the saw into the wall making sure the cut starts exactly on the cut line.
- As the saw approaches the end of its rotation keep the chain running and index the next set of hooks. It is easier to index if the saw has not reached a full 90 degrees.

SYSTEM CLEAN-UP

- Leave the water on and run the saw for 15 seconds with bar tip down to flush slurry and debris from the system.
- Wash concrete slurry from the saw assembly and SpeedHook®.
- Spray entire SpeedHook®, saw, chain, bar and drive sprocket with a lightweight penetrating oil. This will minimize rust and reduce slurry build-up on saw assembly.

TIPS FOR CUTTING STRAIGHT

- **MOUNTING** - Ensure the SpeedHook® rail is securely fastened to the wall. Ensure mounting anchors have not loosened from the concrete. If the rail becomes loose SpeedHook® will not cut straight.
- **SPACERS** - Use 2 to 3 inch (5 to 7 cm) diameter washers to space the rail off the wall especially when the wall is not perfectly flat. This will reduce warping.
- **SHORT BAR** - Always use the shortest bar possible to cut through the wall. Long bars are susceptable to deflection especially when starting the cut.
- **STEEP-CUT** - In hard materials or walls over 8 inches (20 cm) thick, cut as much as you can with a short bar then switch to a longer bar to finish the cut.
- **STARTING THE CUT** - Accurately space the rail from the cut and start the cut exactly on the cut line. Use the levels on the 853 when making true horizontal or true vertical cuts.
- **FEED PRESSURE** - Start the cut using light feed pressure. Be patient, let the saw and chain do the work. Excessive feed force will cause the bar to deflect and cut crooked.
- **AXLE ENGAGEMENT** - Keep both bearing surfaces of the axle engaged into the back of the hooks while cutting. A wedge can be used between the axle and the base of the rail to help accomplish this. Support the hydraulic hoses when cutting horizontally.
- **DRESS BAR RAILS** - At the first sign of a crooked cuut, flip the bar over (it's reversable). Dress hte rails on a belt sander to make them equal again.

TROUBLESHOOTING

- **LOOSE AXEL KNOB** – Lock washer missing or not installed correctly. Lock axle into bracket by reversing the washers (put lock washer against the axle).
- **DIFFICULTY INDEXNG** - Keep the saw running at full RPM while indexing. Index before the saw rotates fully 90 degrees into the wall.
- **WATER NOT FLOWING** - Water hose is kinked or supply is not turned on.
- **SLOW CHAIN SPEED** (hydraulic saws) - Be sure the power supply is providing 8 gpm (30 l/min) and 2,500 psi (172 bar). The 853PRO Plus required 12 gpm (45 l/min) fixed flow. Also, do not apply excessive feed force.
- **RESTART CUT** - If the cut starts to become crooked, pull out, move down one or two hooks and restart the cut. Connect the two cus later by up-cutting.

Further questions?
Call 1-800-321-1240
or
visit our website at:
icsbestway.com

SpeedHook® OPERATOR'S MANUAL

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