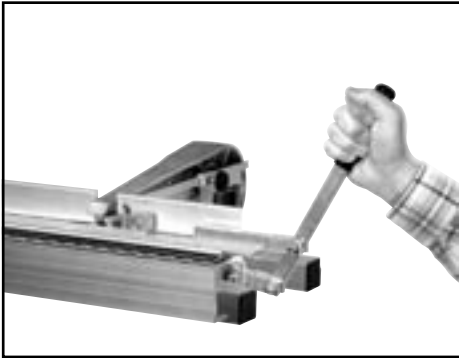


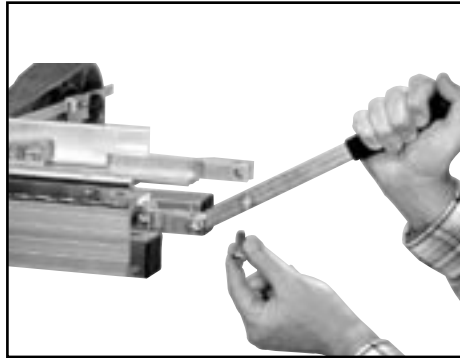
CLEANING THE LOCKING AND CLAMPING SURFACE

Tools needed: clean shop rag, commercial cleaning solvent such as Gum Out® or WD-40®, light weight oil



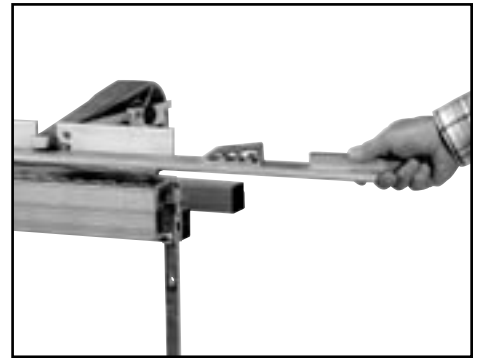
1 Open Brake

Move Locking Handle to Right. Follow steps 1, 2, and 3 in reverse order to reassemble.



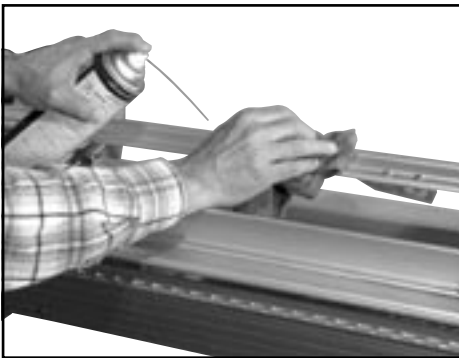
2 Remove Top Yoke Pin

With Brake unlocked remove Cotter Pin from Top Yoke Pin and disengage handle.



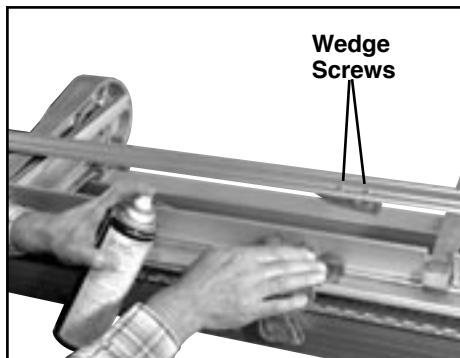
3 Remove Sliding Bar

Grasp and pull Sliding Bar to the right and forward to remove. Turn upside down and rest on brake castings.



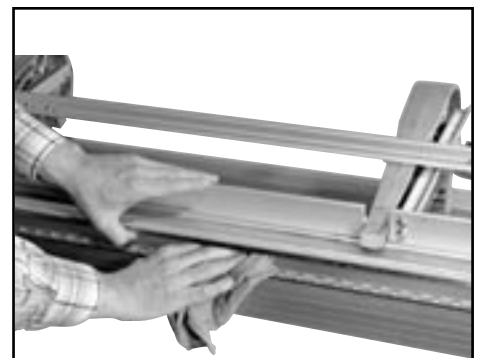
4 Loosen Dirt and Residue

Use Gum-Out®, WD-40® or quality commercial cleaning solvent on a clean shop rag and clean the bottom surface of the Sliding Bar.



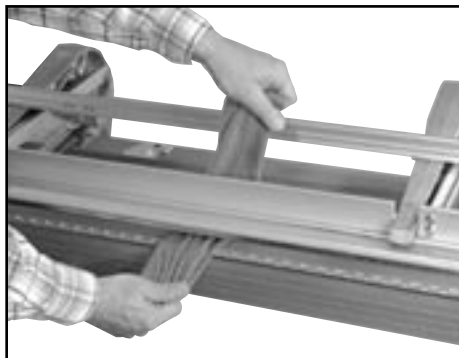
5 Clean Clamping Bar

Clean the bottom surface of the Clamping Bar in the same manner. Before reinstalling check that screws securing wedges are tight.



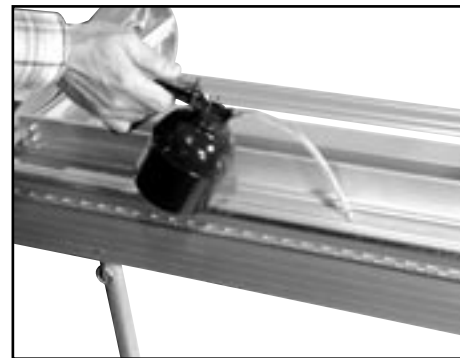
6 Clean Underneath Clamping Surfaces

Using solvent on a shop rag, clean upper and lower clamping surface as indicated and wipe dry. Do not apply oil here.



7 "Spot" Cleaning

For everyday cleaning, a rag may be used between the clamping surfaces with the Brake assembled.



8 Oil Clamping Bar

Using any lightweight oil such as "3 in 1"® or 30 Wt. motor oil, lightly lubricate the Clamping Bar.
Note: Do not use graphite, silicone or heavy grease as these "hold" dirt.

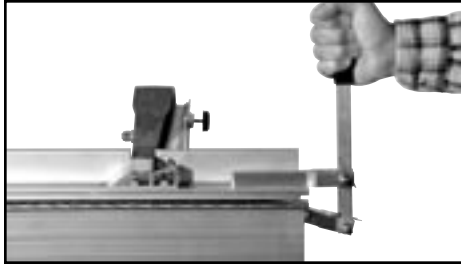


9 Replace Sliding Bar & Oil Wedges

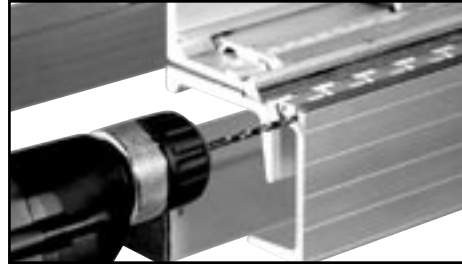
Replace Sliding Bar making sure that it slides easily along the Clamping Bar. Wipe up excess oil. Clean and oil the Wedges now and regularly thereafter.

REPLACING THE VINYL PROTECTO STRIP

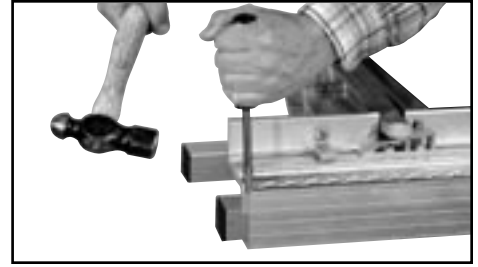
Tools needed: drill, #26 drill bit, hammer, slotted screw driver, light oil, pliers or vice grips, center punch, and safety glasses



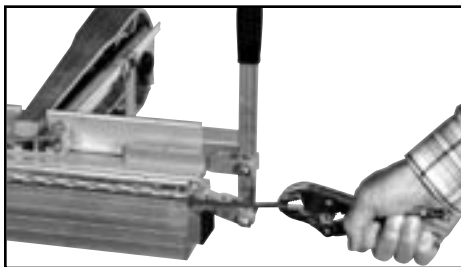
1 Close Brake
Move Locking Handle to left.



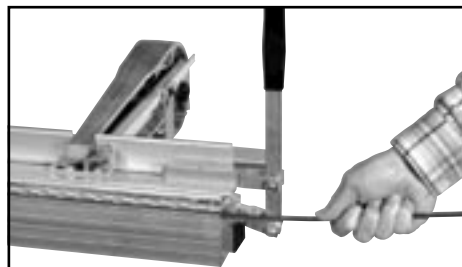
2 Drill Out "Center Punch" Marks
Clean out slots that hold Vinyl Protecto Strip at both ends of Brake using #26 drill bit.



3 Loosen Vinyl Protecto Strip
Push Vinyl Strip from one end by tapping on the edge of upright screwdriver as indicated. Make sure opposite end of slot is free of dirt and obstruction. **CAUTION:** Avoid hitting hinge with hammer.



4 Remove Vinyl Protecto Strip
Grasp other end of strip with pliers and pull Protecto Strip out of slot. Check slot for burrs, metal chips, dirt, etc. and clean if necessary.



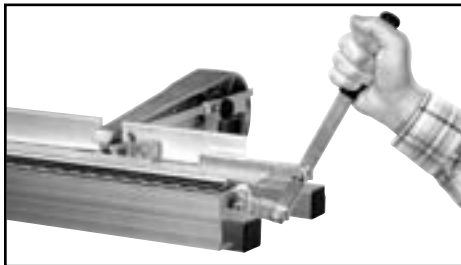
5 Replace Vinyl Protecto Strip
Replace Vinyl Protecto strip by lightly lubricating leading end with small amount of oil while sliding into slot. Wipe off excess afterwards.



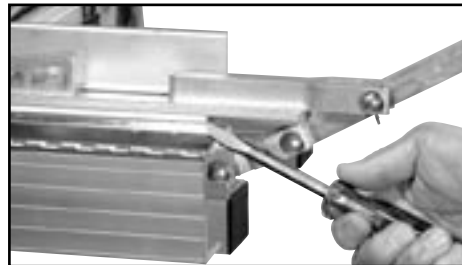
6 Punch Vinyl
When Vinyl Protecto Strip is in place "center punch" both ends to prevent slip-page.

REPLACING THE STAINLESS BENDING EDGE

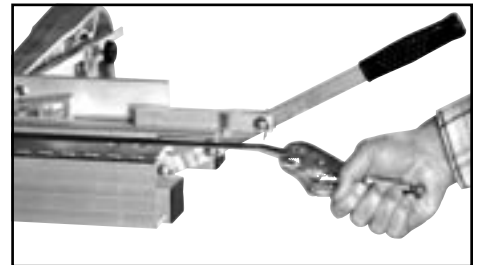
Tools needed: slotted screwdriver, rubber mallet, vice grip or pliers, center punch, hammer, and safety glasses



1 Open Brake
Move Locking Handle to the right.



2 Loosen Stainless Edge
To loosen old Stainless Bending Edge, insert screwdriver behind one end as indicated and twist to release from end.



3 Remove Stainless Edge
Grasp one end of Stainless Bending Edge with pliers or vice grips and pull away with a twisting motion. **Note:** Stainless Bending Edge is not reusable after removal.



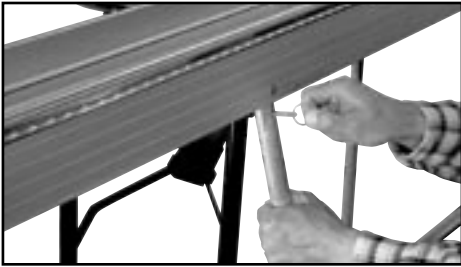
4 Install New Stainless Edge
Starting on end away from Locking Handle align new Stainless Edge flush with end of Clamping Bar and tap into place sideways with Rubber Mallet.



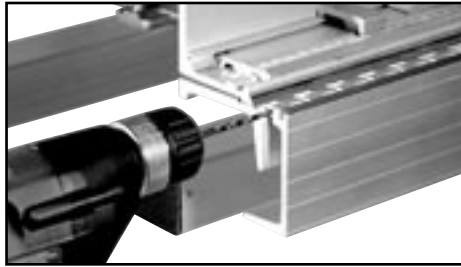
5 After replacement, "Center Punch" Stainless Bending Edge on ends to prevent possible sliding.

REPLACING THE MOVING HINGE

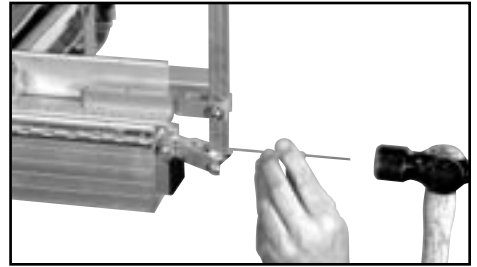
Tools needed: electric drill, small drill bit, hammer, small diameter hard wire or narrow punch, vise grips or pliers, light oil, and safety glasses



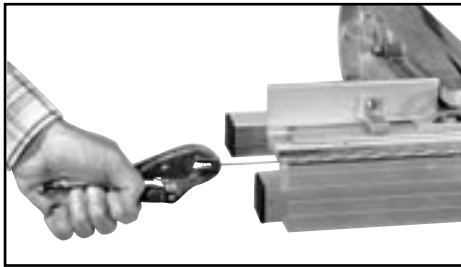
1 Remove Handle
Detach Faspin and remove Lifting Handle. Brake can be locked during this operation.



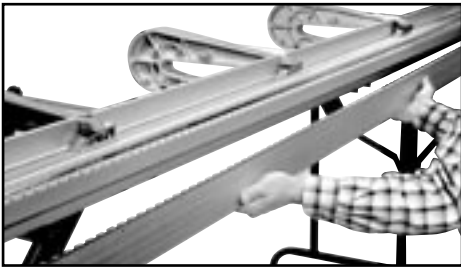
2 Clean Out Hinge Pin
Before removing Hinge Pin, drill out "center punch" marks from ends of Hinge.



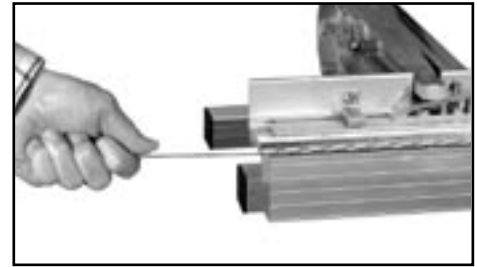
3 Loosen Hinge Pin
Using small diameter hard wire or narrow punch and hammer, tap out Hinge Pin from one end.



4 Remove Hinge Pin
Grasp Hinge Pin at opposite end with pliers or vise grips and pull Pin out. Moving Hinge will now disengage and can be replaced.



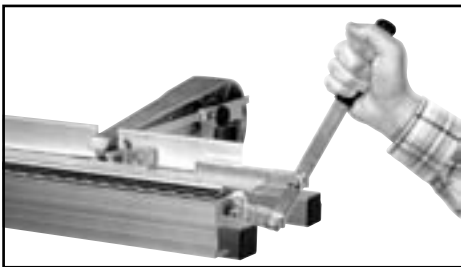
5 Remove Hinge
NOTE: Have an assistant support the Hinge prior to removing the Hinge Pin.



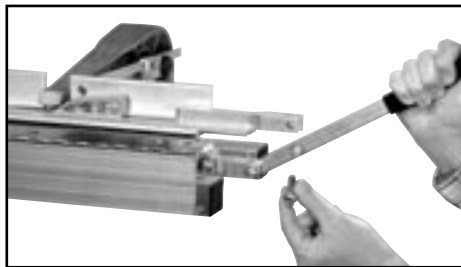
6 Replace Hinge Pin
To install new Hinge and Hinge Pin, have assistant hold Moving Hinge while the Pin is inserted. When reinstalling the Hinge Pin lubricate the leading end with a light oil. Be careful not to bend it.

REPLACING WEDGES

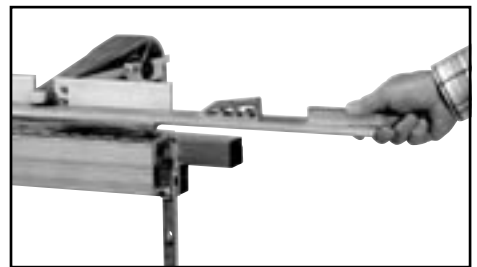
Tools needed: clean shop rag, Phillips screwdriver, commercial cleaning solvent such as Gum Out® or WD-40®, light weight oil



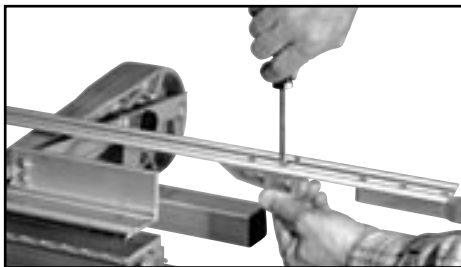
1 Open Brake
Move Locking Handle to right.



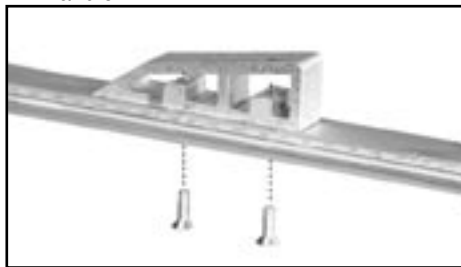
2 Remove Top Yoke Pin
With Brake unlocked remove Cotter Pin from Top Yoke Pin and disengage handle.



3 Remove Sliding Bar
Grasp and pull Sliding Bar to the right and forward to remove.



4 Remove Wedge
With the Sliding Bar removed and inverted as indicated, remove the Flat Head Screws holding the Wedge to the Sliding Bar.



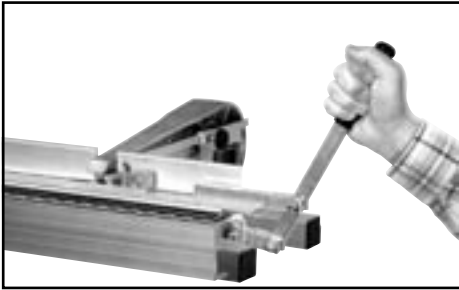
5 Replace Wedges
Periodically check to insure that screws holding Wedges are tight. Loose screws will cause uneven locking.



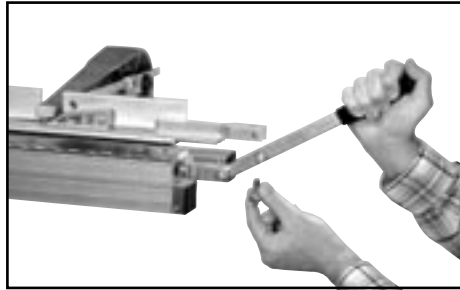
6 Clean Sliding and Clamping Bar Before Replacing.
Clean surfaces. (see page 9)

REPLACING THE SHOE CASTING

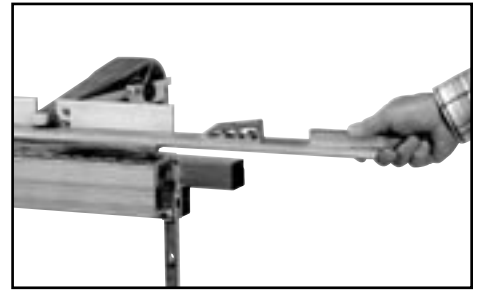
Tools needed: socket wrench with 7/16" socket, Phillips screwdriver



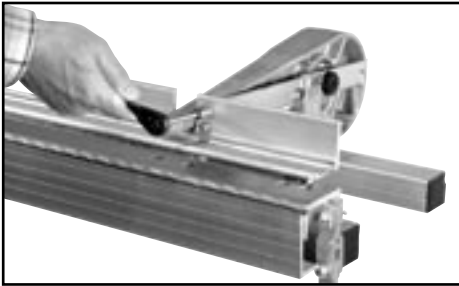
1 Open Brake
Move Locking Handle to right.



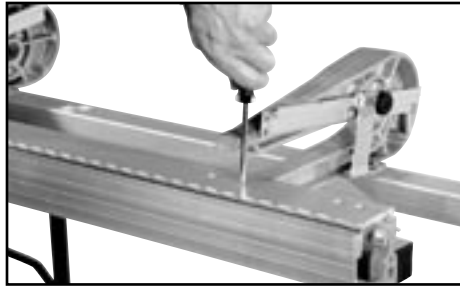
2 Remove Top Yoke Pin
With Brake unlocked remove Cotter Pin from Top Yoke Pin and disengage handle.



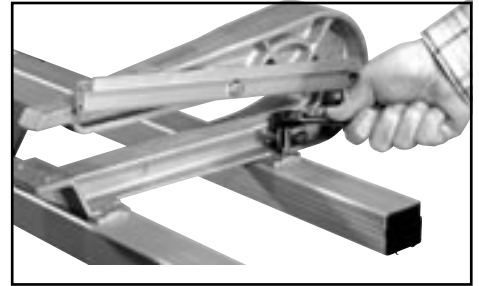
3 Remove Sliding Bar
Grasp and pull Sliding Bar to the right and remove.



4 Remove Hex Head Screws Holding Clamping Bar
This will allow you to reach flat head screws holding Fixed Hinge.



5 Remove Hex Screws from Front of Shoe Casting
Remove Flat Head Screws from Fixed Hinge on the Shoe Casting to be replaced.



6 Remove Hex Screws from Back of Shoe Casting
Remove the four (4) Hex Head Screws holding the Shoe Casting to the Bottom rails front and back.



7 Remove Pivot Arm
Remove Pivot Arms and springs and replace the Shoe Casting. When replacing, make sure all fasteners are tight