OPERATING INSTRUCTIONS FOR THE MODEL 210B

SAFETY PRECAUTIONS FOR THE MODEL 210B

System Under Pressure: Shut off air supply and disconnect air hose before disassembling or disconnecting parts.

Flying Debris: During boring, chips may be ejected. Stay behind control panel and wear safety glasses to prevent eye injury.

Pinch Points: Keep hand clear of carriage assembly. Hands or fingers caught between carraige and frame may be seriously injured.

Moving Parts: When moving drill unit, use carriage lock to prevent assembly from sliding onto hands or fingers.

Heavy Load: Use handles to reposition the drill unit. Weight of the drill unit may cause back strain if improperly lifted.

SAFETY PRECAUTIONS FOR THE MODEL 210B (continued)

Loud Noise: Wear ear protection to prevent eardrum damage from air compressor.

Dust: Wear a dust protection mask to protect from concrete dust.

High Pressure: High pressure from the air compressor can damage the drill, and can void the warranty.

Lifting The Drill Unit: when using a lifting device to pick up the drill unit, use a strap or chain which is rated for the proper weight, and attach to the lifting bale on the drill unit. Be sure carriage lock is in place.

ATTACHING THE HOSE THE DRILL UNIT

- The Model 210B requires a minium ¾” ID hose, and an air compressor with a minimum 100 cfm. Clean out the hose before connecting to the E-Z Drill to prevent any debris from entering the system.

- IMPORTANT: AIR COMPRESSOR MUST MAINTAIN 100-110 PSI WHILE DRILL IS DRILLING

Make sure all safety precautions are followed with the hose and all hose connections.

MOVING AND POSITIONING THE DRILL

Heavy Load: *Use handles to reposition the drill unit. Weight of the drill unit may cause back strain if improperly lifted.*

- The two rear lifting handles may be in the transport position. To move the drill unit, make sure the rear lifting handles are in the extended position by removing the lock pin, sliding the handle bar out, and replacing the lock pin.

- Position the drill on the slab, and push it up against the slab until both guide wheels are touching.

MOVING AND POSITIONING THE DRILL

- Remove the carriage lock

Pinch Point

SETTING AND ADJUSTING THE FEED PRESSURE

- To make the feed pressure adjustment to the drill, place the Feed Control Valve into the “In” position.

SETTING AND ADJUSTING THE FEED PRESSURE

- Check the gauge on the control panel. It should be set at approximately 20 psi.

SETTING AND ADJUSTING THE FEED PRESSURE

- To make an adjustment on the Regulator, lift up the regulator knob, and turn it clockwise to increase the feed pressure, and turn it counter-clockwise to decrease the feed pressure. After you finish, push the knob down until it clicks.

SETTING AND ADJUSTING THE FEED PRESSURE

- Turn the power lever to the “ON” position. The drill will start drilling. The drill should move forward into the concrete with a slight “quiver” as it drills. If it is “bouncing”, it means it does not have enough feed pressure. Lift up and slowly turn the regulator knob clockwise until the “bouncing” stops and you still have good rotation on the bit.

Flying Debris: During boring, chips may be ejected. Stay behind control panel and wear safety glasses to prevent eye injury.

Loud Noise: Wear ear protection to prevent eardrum damage from air compressor.

Dust: Wear a dust protection mask to protect from concrete dust.

SETTING AND ADJUSTING THE FEED PRESSURE

- If the bit is not turning freely, you will need to decrease the feed pressure by slowly turning the regulator knob counter-clockwise until the bit is turning freely.

- After setting the feed pressure at the appropriate level, push the regulator knob back down to lock it into place.

SETTING AND ADJUSTING THE FEED PRESSURE

- IMPORTANT: If a Vertical Conversion Kit is ever installed so that the Model 210B can drill vertical holes, the feed pressure will need to be reduced approximately 5-9 psi.

⚠WARNING *TOO HIGH FEED PRESSURE WILL CAUSE THE MACHINE TO TIP OVER WHEN YOU ENGAGE THE FEED CONTROL VALVE TO THE “IN” POSITION*

DRILLING OPERATION

- After all adjustments have been made and your are now ready for production drilling, follow the next steps in proper order to insure maximum production and prevent unnecessary damage to the drill.

- Place the Feed Control Valve in the “In” position.

DRILLING OPERATION

- After the bits make contact with the concrete, place the power valve into the “ON” position.

Pinch Points: *Keep hand clear of carriage assembly. Hands or fingers caught between carriage and frame may be seriously injured.*

DRILLING OPERATION

- After the drill reaches its preset drill depth, it is imperative that you immediately turn the drill off. This prevents “dry-firing” (the drill is running with no pressure against the bit), which can cause extreme damage to the drill.

DRILLING OPERATION

- After the drill has finished drilling and has been turned off, place the Feed Control Valve in the “OUT” position to retract the bit from the holes.

- NOTE: If the drill bit is stuck in the hole and won’t retract, simply turn on the power valve to momentarily rotate the bit. As soon as it begins to retract, turn the valve off.

DRILLING OPERATION

- Roll the drill unit sideways to the next hole location. If you are using the optional Hole Spacing Guide, roll the unit until the Hole Spacing Guide is pointing to the last holed drilled. When the unit is in position for the next hole, repeat previous instructions.

Heavy Load: *Use handles to reposition the drill unit. Weight of the drill unit may cause back strain if improperly lifted.*

DRILLING OPERATION

- When you are finished drilling and want to move the unit to another location, turn off the air supply. Before disconnecting the air hose, bleed off any air in the system by slowing turning on the power lever until all the air is released from the drill unit.

- Lock the carriage lock.

DRILLING OPERATION

- Place the guide wheels in the down position. This puts the guide wheels in the transport position.
- Lift up on the rear lifting handles and roll the unit to the desired location.

Heavy Load: *Use handles to reposition the drill unit. Weight of the drill unit may cause back strain if improperly lifted.*