OPERATING INSTRUCTIONS FOR THE MODEL 210B

SAFETY PRECAUTIONS FOR THE MODEL 210B

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

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

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

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

Heavy Load: Use handles to reposition the drill unit. The 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 potentially caused from the air compressor.

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

High Pressure: High air 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. Ensure the carriage lock is in place.

ATTACHING THE AIR HOSE TO THE DRILL UNIT

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

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

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

ENSURE 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. The 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, ensure the rear lifting handles are in the extended position by removing the lock pin, sliding the handlebar 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 a feed pressure adjustment to the drill, place the Feed Control Lever into the “In” position.

SETTING AND ADJUSTING THE FEED PRESSURE

- Check the gauge on the control panel. The feed pressure should be set at approximately 20 psi.

SETTING AND ADJUSTING THE FEED PRESSURE

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

SETTING AND ADJUSTING THE FEED PRESSURE

- Next, turn the power lever into 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 the regulator knob and slowly turn clockwise until the “bouncing” stops and you still have good rotation on the bit.

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

⚠ ***Loud Noise***: Wear ear protection to prevent eardrum damage potentially caused from the 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 counterclockwise 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 to approximately 5-9 psi.

⚠WARNING *With the drill system in the vertical position, having the feed pressure set too high can cause the drill unit to tip over.*

DRILLING OPERATION

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

- Place the Feed Control Lever into the “In” position.

DRILLING OPERATION

- IMPORTANT: Do not turn the drill on before the bit is in contact with the concrete or leave it on while retracting. This causes “dry-firing” (drills are running with no pressure against the bit). This will cause extreme damage to the drill.

DRILLING OPERATION

- After the bit contacts the concrete, place the Power Valve into the “On” position.

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

DRILLING OPERATION

- IMPORTANT: 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 Lever 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 the “On” position to momentarily rotate the bit. As soon as it begins to retract, turn the Power 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. The 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. The weight of the drill unit may cause back strain if improperly lifted.