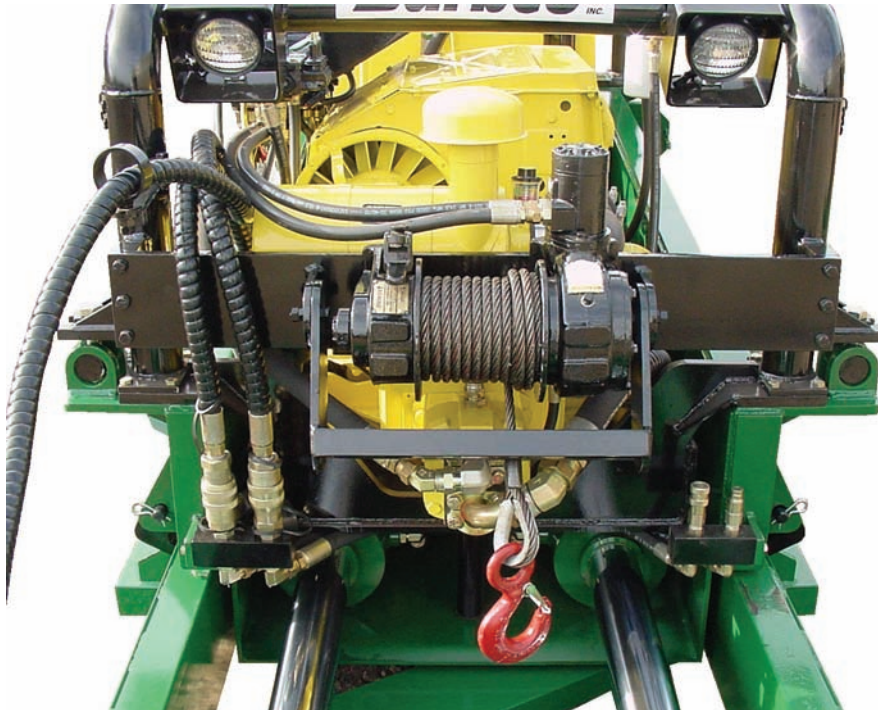


OPERATION OF WINCH:

The optional winch is available for Model Series 36-350 and larger horizontal earth boring machines. The winch is located at the rear of the boring machine. The winch is used to rapidly move the boring machine to the rear of the track when installing casing sections. It is not designed to pull auger or to move the machine forward.

To use the optional winch, the hydraulic selector valve at the rear of the machine must be activated to select winch operation. Keep all personnel clear of the track when using the winch. Use a careful feed of the control valve so that the machine does not overrun the winch cable.



WINCH CONTROL:

The control to activate the winch is the lever control located at the operator's station. The control valve is a spring return to neutral. Pushing the control away from the operator causes the winch to wind in a power mode. Moving the control back toward the operator causes the winch to unwind. Winch speed is determined by the RPM of the engine.

WINCH MODE:

A mechanical clutch control is located on the winch. Pull the spindle up to change mode. Rotating the control lever toward the drum will engage the winch for power operation. Rotating the control lever away from the drum will disengage the winch for free spool.