

Auto-Stop **629XS-627XS Conversion Kit**

The 629XS-627XS conversion kit is supplied with all the necessary parts to convert your Blue Streak II to the new 629XS-627XS Auto-Stop machine.

Read this conversion instruction sheet completely before completing this conversion.

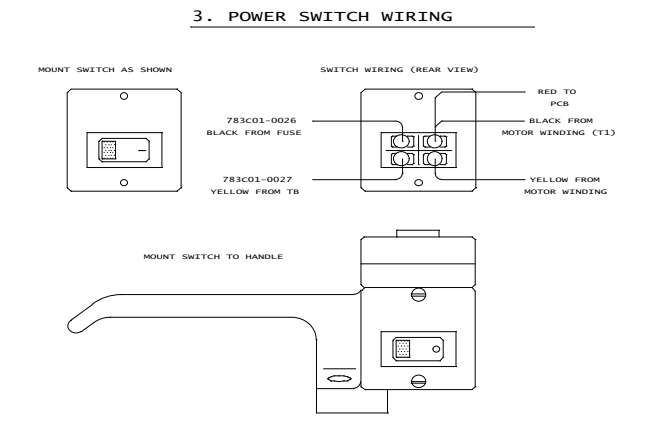
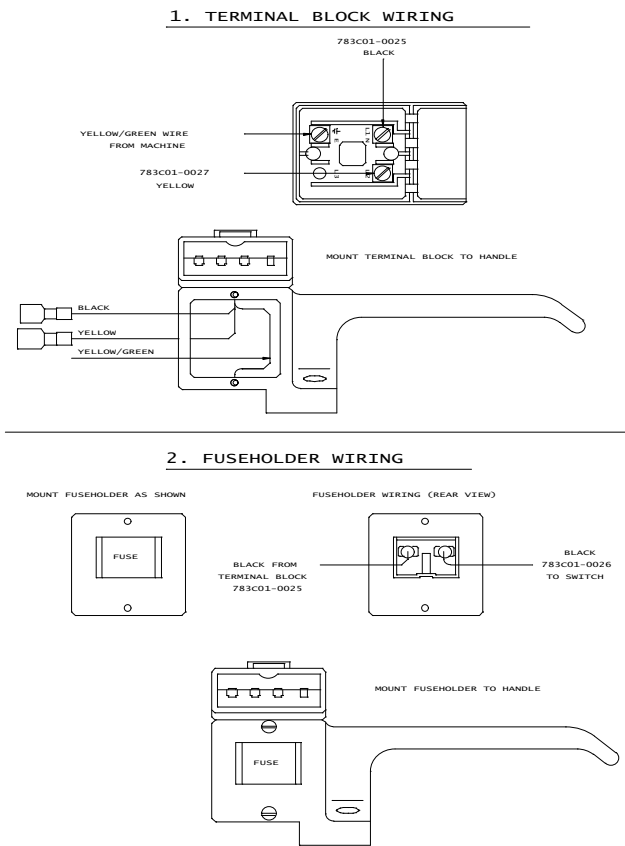
Caution: Machine equipped with sharp blade.

1. Lay out your conversion kit and machine on a clean working surface and familiarize yourself with all parts.
2. Remove knife at this time.
3. Remove the sharpener assembly; (4) slotted hold down nuts and the standard back guide.
4. Remove the operator handle and locking nut.
5. Remove the screws holding the switch side cover, wires to the switch, and remove the switch cover.
6. Remove the side cover or capacitor & cover if equipped.
7. Remove the fan cover.
8. Remove the two (2) terminal block screws and disconnect wiring from terminal block. Remove the terminal block.
9. Remove the motor shaft lock nut (left hand thread), nut clutch (left hand thread), and fan (left hand thread) by rotating clockwise.
10. Remove the dust cover and spacer.
11. Remove motor retaining screws and nuts.
12. Remove the stator and rear housing.
13. Attach drill fixture (# 7997) to front housing and drill one (1) 7/32" hole and two (2) No. 16 (.177) dia. holes into front housing.
14. Install new stator and band onto the front housing with seam in band facing down. Refer to wiring diagram for proper wire positioning.
15. Replace yellow/green ground wire on rear housing with longer yellow/green ground wire. Install rear housing onto stator band. Do not secure motor retaining screw at this time.
16. Attach top carrying handle to stator band with two (2) slotted screws 3/8" long and two (2) socket button screw 1/2" long to the rear housing.
17. Secure the four (4) motor retaining screws. Ground check motor lead wires at this time. (If ground check fails, inspect and repair).
18. Connect wires to switch (tin wire leads on 3 phase machine only). Refer to wiring diagram.
19. Attach switch to switch plate and secure switch plate to carrying handle.
20. Attach side cover(s) to carrying handle.
21. Connect wires to terminal block and secure terminal block to carrying handle .
22. Connect wiring to the touch sensor board. Refer to wiring diagram.
23. Secure touch sensor board to front bearing housing.
24. Attach the wiring harness assembly to the sensor board side cover. Connect wiring harness to sensor board. Insert the handle wire through the bottom of the front bearing housing. Press switch cap onto the sensor board.

25. Attach the side cover and switch cover to the front bearing housing. Wire the capacitor and secure side cover (single phase only). Note: The switch button must move freely in button hole.
26. Secure the handle assembly to the front bearing housing. The connector ring must point toward the base plate.
27. Install the spacer, dust cap, fan (left hand thread), clutch nut (left hand thread) and shaft lock nut (left hand thread).
28. Install rear fan cover.
29. Remove the front cam cover on the sharpener. Replace press foot locking assembly with new press foot locking bracket using the two middle screw holes only.

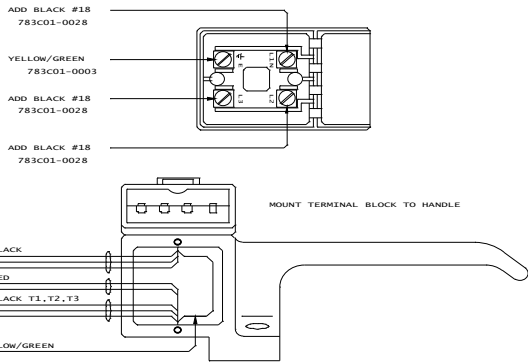
30. Install the pivoting press foot locking assembly into the front solenoid cover assembly using the pivot pin.
31. Install the solenoid cover to the sharpener assembly.
32. Install sharpener assembly to the machine and connect the solenoid to the mating connector.
33. Install knife.

Warning: For 3 phase machines only; Check rotation of motor. The motor must rotate in direction of arrow stamped on turning knob. If not, switch two black terminal leads in terminal block.

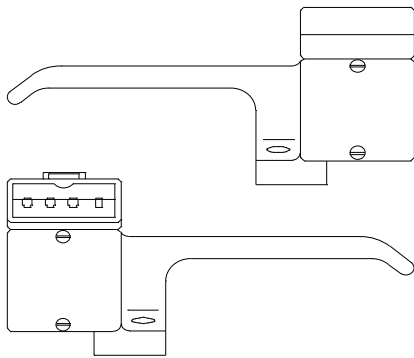


629xs-627xs Single Phase.

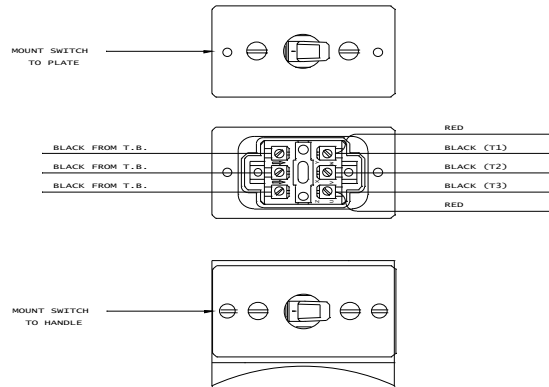
1. TERMINAL BLOCK WIRING



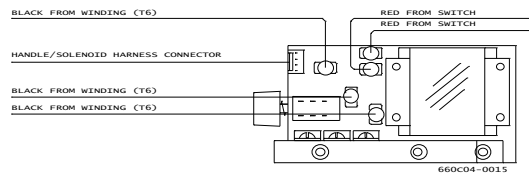
2. INSTALL SIDE COVERS



3. POWER SWITCH WIRING



4. CIRCUIT BOARD WIRING



* RED AND BLACK (T6) WIRES CAN BE CONNECTED IN ANY COMBINATION *

From the library of: Diamond Needle Corp

629xs-627xs Three Phase.

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