

INSTRUCTION MANUAL

MG-3 Mill Safety Guard Suits Belt Drive Milling Heads

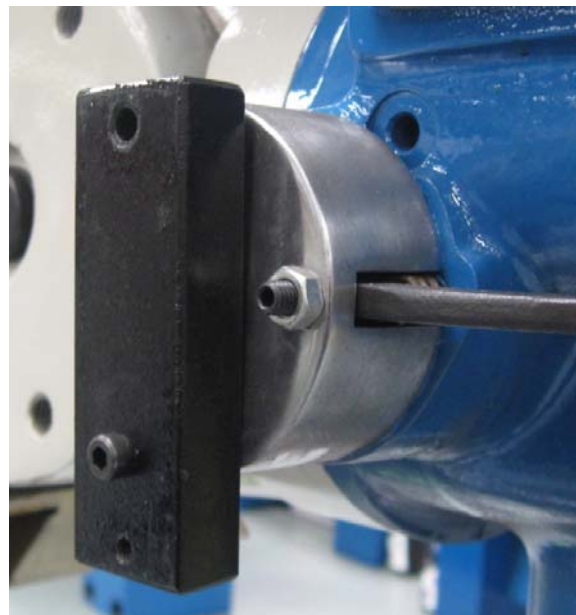


G603

G603 Chuck/ safety guard to suit Vee Belt Drive Mill Heads 26-6-15**Page 1 of 3**

To be read in Conjunction with Machinery House Chuck Guard Wiring Caution supplied with unit
All electrical Wiring Must be done by a fully qualified Licence Electrician

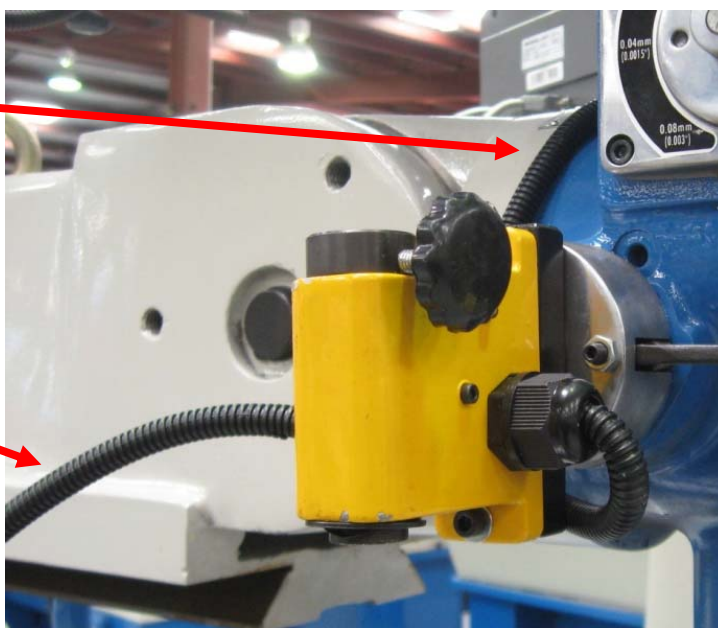
- # This Guard is designed to be mounted on top of the Silver alloy "Clutch arm cover" on the LH side of the machine.
- # Remove the two Screws holding this cover on and attach the adaptor plate as shown. Using the middle hole in the plate and the M5 x 55mm Socket Head Cap Screw



- # Mount the Support block onto the top of the adaptor plate with a M5 x 70mm Socket Head Cap Screw on the top and a M5 x 6mm Socket Head Cap Screw on the Bottom.

- # Feed the front (shorter) wires around the top rear of the head. This is for the tamper Proof micro switch that gets fitted to the hinged door on the RH top vee belt opening

And the Rear (longer) wires back to the electrical control box of the mill as needed,

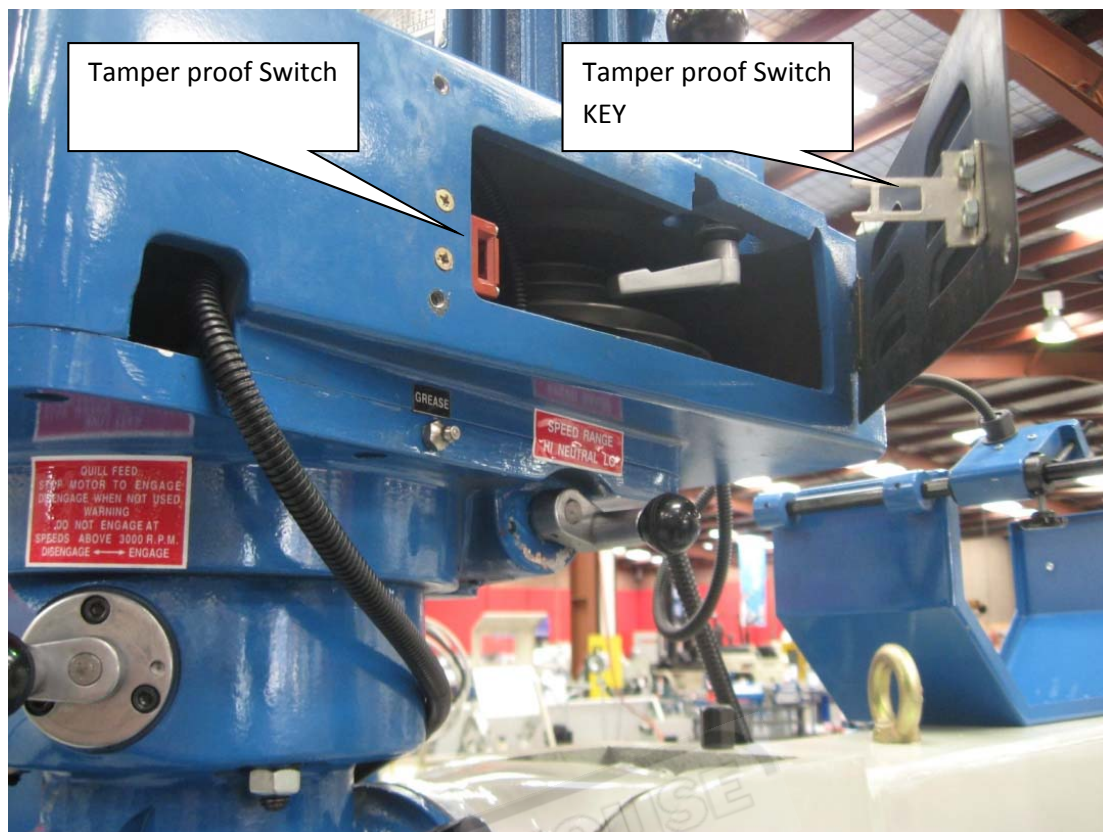


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Feed the tamper proof micro switch wires around and up into a hole in the RH side of head where they can be located into the Tamper Proof Micro when fitted.

As all mills are different. The fitting of the Hinged Door, the Tamperproof Micro and its key on the door, will all have to be aligned and marked out to ensure they operate correctly.

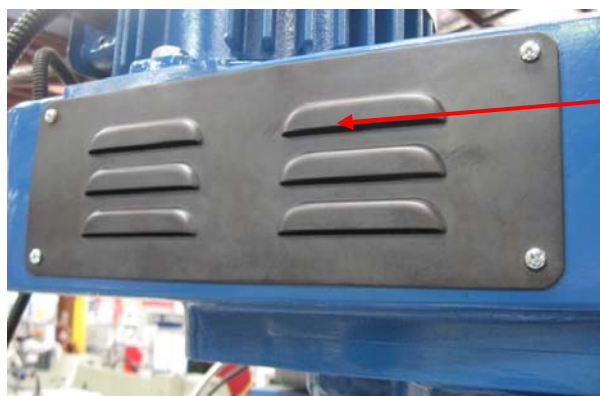


The "Key" or the "Micro" may have to be packed out with spacers (not Supplied) as needed to ensure they operate correctly.

The wires are wired into the Normally Closed Circuit (N/C) by a Licensed Electrician.

Secure and tidy up all excess wires using Steel saddles attached to machine were needed (Not Supplied)

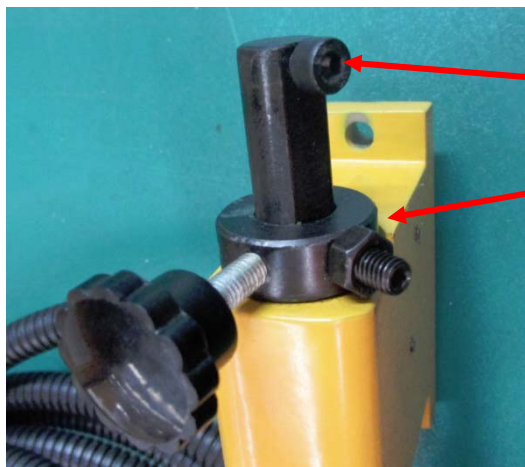
Mark out and drill and tap to fit the 2 finger knobs on the hinged door



Mark out and drill and tap and fit LH vee belt opening guard as shown

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Feed guard Support Rod up into support block and refit the top cap screw (this is to stop it falling out!)

To insure the guard is set up as "tamper Proof", the top grub screw and lock nut need to be set up on the flat of the rod so the shaft & guard can still be adjusted up and down, then locked at height needed with the plastic finger screw.

To do this, screw the grub screw all the way onto the flat of the shaft. Undo it 1/4 of a turn, then lock the nut tight to hold it in place. Check the shaft can still be adjusted up and down.

Turn the Support rod to the closed position (fully anti clockwise looking from the top)
Fit main Guard onto bottom of Support Rod as shown and ensure it swings freely.

Have a Licensed Electrician wire main electrical box emergency stop Circuit and check all operations are correct before use.



MACHINERY HOUSE CHUCK GUARDS

Caution

The following must be read before the fitting of this guard

These instructions must be kept with machinery safety documentation.

NB the wiring of this guard into the machine must not make redundant any existing safety circuits already in place such as braking circuits or emergency stops or trip wires etc

When fitted to a machine and before the machine is put into operation you must ensure this guard is ³wired to a ²Extra Low Voltage control circuit that cuts power off to the electrical system of the guarded spindle.

The operation of the guard must be wired so that the machine spindle guarded, must not be able to be started unless the guard is in the fully closed position.

The operation of the guard wiring must also cut the power to the spindle that is guarded when the guard is opened and must not affect any existing braking or safety systems in place on the machine, be they electrical or mechanical.

The spindle that is guarded or any other operations on the machine must not start up automatically when the guard is moved from the open to the closed position.

To restart the guarded spindle, the guard must be first fully closed. Then the spindle can be started by either the pre-existing system or added start system if needed.

²Extra-low voltage: Not exceeding 50 V a.c. or 120 V ripple-free d.c.

³All electrical work must be done by a Licensed Electrician to AS 60204.1-2005 and its amendments or future Replacement Standards