



MAN-MAJOR



Ferndale

◆ Safety

Toll-Free: 855-326-1243
<https://www.ferndalesafety.com>

MODEL MAJOR MODEL MINOR LATHE CHUCK SAFETY SHIELD INSTALLATION GUIDE



WARNING

Do not wire the included interlock switches directly into the motor power circuit!

The interlock switches cannot handle motor load currents!

Maximum Contact Rating

3A @ 240VAC

0.1A @ 240VDC

**Wire the safety guard interlock switch into the control circuit only.
MAXIMUM 230 VOLTS**

DANGER: HIGH VOLTAGE

PLEASE USE PROPER LOCKOUT/TAGOUT PROCEDURES.

MAKE SURE TO SHUT OFF ALL POWER TO THE MACHINE BEFORE SERVICING.

Only qualified personnel with the necessary skills should perform these modifications.

**Please get in touch with Ferndale if you require any assistance.
855-326-1243**

Thank you for the purchase of our lathe chuck guard. We have made this installation guide to help you set up and use this Product. This guide assumes you are familiar with drilling, tapping, and fabricating simple brackets. If you need any extra help, please call us at 855-326-1243.

IDENTIFICATION OF COMPONENTS

Before installation, please make sure you have all the components.

You should have in the box:

- One (1) shield assembly
- Two (2) or Four (4) mounting legs (Depending on the model)

You may need (Not included):

- Drill Press
- Punch
- Hacksaw, band saw, or angle grinder.
- Ferndale Safety has an optional installation kit (FER-IKIT) with the following:
 - o Drill bit
 - o Tap ¼" -20
 - o ¼" -20 bolts
 - o Cable gland
 - o Wire connectors

The shield assembly gets installed onto the mounting legs. The mounting legs have a foot plate that attaches directly to the top of the lathe headstock.

INSTALLATION

IMPORTANT: TWO OR MORE PEOPLE ARE REQUIRED TO COMPLETE THIS INSTALLATION PROCESS AS THE SHIELD IS HEAVY.

The sliding shield assembly and the posts will be mounted on the lathe headstock.

1. Place the shield assembly upside down (The blue leg brackets up) on the floor.
2. There are four blue leg brackets already pre-mounted on the sliding shield assembly. You can move these leg brackets by loosening the two bolts on each leg bracket. You can position the legs where you need them by moving these brackets.
3. There are set screws on each blue leg bracket; make sure they are loose, and slide each silver leg into the leg brackets. Lightly tighten the set screws on the leg brackets.
4. At this point, we recommend getting some cardboard that is big enough to cover all the legs. Mark the location of the four holes on each leg onto the cardboard. Transfer the cardboard to the top of the headstock and use a punch to mark each bolt hole.
5. Lift the shield assembly off the floor and place it on the lathe headstock to see if the holes are correctly marked from the previous step. If you did not use cardboard, you could mark the holes at this point using a sharpie or transfer punch.

NOTE: You can shorten the legs if you need the shield assembly moved down. Use a hacksaw or other cutting tool to do this.

6. Remove the shield assembly and place it on the floor like in step 1.
7. Loosen the set screws on the blue leg brackets and remove the silver legs.
8. Drill and tap into the headstock and mount each leg in position using ¼" -20 or similar-sized screws.
(IMPORTANT – SEE DRILLING NOTE ON PAGE 3)
9. Once the feet are attached to the headstock, slide the blue leg brackets and shield assembly onto the feet.
10. Tighten all set screws and bolts on the blue leg brackets. Make sure that the shield slides back and forth easily.

DRILLING NOTE

Be careful when drilling into the headstock. Do not drill through the cover and allow chips and debris to enter the gearbox. Do not drill into any oil passageways accidentally. Be careful not to hit any bearings.

The headstock covers on some lathes are very thin and may not provide much support. Other lathes have curved headstock covers and don't have much for mounting points. You may need to install additional brackets or build a structure on the lathe to accept this guard.

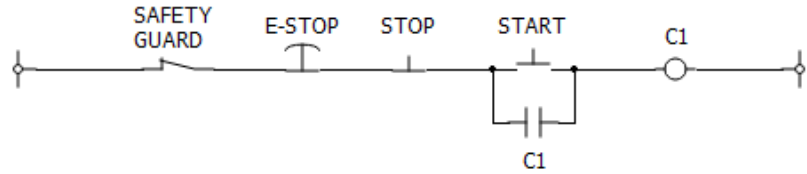
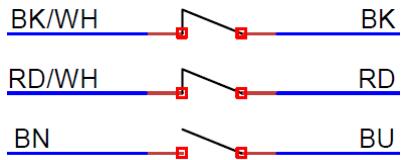


Figure 2: Closup of the blue leg brackets and silver legs.

ELECTRICAL CONNECTION

Contact Rating: 3A @ 240VAC, 0.1A @ 240VDC

Wire Color Codes and Sample Wiring Diagram:



IMPORTANT: Do not connect the switch directly to the motor. The switch was not designed to handle motor loads. Wire the switch inside the control circuit only. If you require any help with this, please call us at 855-326-1243.

SPARE PARTS

For spare parts and accessories, contact us here: <https://www.ferndalesafety.com/contact-us/>



Figure 3: Example of an installation

WARRANTY

Ferndale Safety's Commitment:

Ferndale Safety ("FERNDALE") guarantees that its products are free from material and workmanship defects for one year from the date of purchase. Custom-made products carry a three-month (90 days) warranty from the date of purchase.

Exclusions:

This limited warranty does not cover, and FERNDALE shall have no obligation or liability with respect to, any damage, injuries, or problems resulting from:

- Non-FERNDALE authorized installations.
- Insufficient maintenance, including failure to remove chips and coolant.
- Misuse, negligence, or accidents.
- Unauthorized alterations, modifications, or repairs.
- Claims on products beyond their warranty period or used contrary to their intended purpose.
- Damage due to chemical contamination or foreign objects.
- Use of FERNDALE products for "hot work"

Disclaimer:

FERNDALE MAKES NO WARRANTY OR REPRESENTATION, EXPRESSED OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR THE PARTICULAR PURPOSE OF THE PRODUCTS; ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OR THEIR INTENDED USE. FERNDALE DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED.

Limitation of Liability:

FERNDALE will not be liable for any indirect, incidental, or consequential damages, including loss of profits or commercial loss, regardless of the cause. Liability for any claim shall not exceed the purchase price of the Product in question. Claims related to warranty, repair, or other concerns will only be considered if FERNDALE'S evaluation confirms proper handling, storage, installation, maintenance, and absence of misuse or inappropriate modifications.

By purchasing Our Products, you agree not to use them for "hot work" (e.g., grinding, welding, soldering, cutting) due to fire risk. Misuse is forbidden, and following all safety guidelines is required. Non-compliance means you accept full responsibility for any resulting harm or damage. For your safety and the effectiveness of Our machine guarding, remain within the "Safe Work Zone" directly in front of the guard. Standing to the side increases injury risk and breaches our usage policy. Adhering to this rule ensures your safety and the Product's optimal performance. For detailed safety and operational guidelines, please see our Terms and Conditions here: <https://www.ferndalesafety.com/terms-and-conditions/>.

Product Returns & Exchanges:

Return Policy:

If dissatisfied, contact us within 30 days of receipt for a refund, excluding shipping costs, subject to inspection. Custom or special-order items are non-returnable. Returns must be in original packaging, unused, and in sellable condition, subject to a 35% restocking fee. The restocking fee is waived if the item is exchanged.

Return Authorization:

Before returning, obtain a Return Merchandise Authorization (RMA) by calling 514-326-1243. FERNDALE reserves the right to refuse returns on damaged or non-resalable items.

After 30 Days:

Upon authorization, returns initiated after 30 days from invoice date are subject to a 35% restocking fee and future purchase credit only.

Shipping Charges:

Customers bear return shipping costs, which are non-refundable. Use traceable and insured shipping methods. Customers are responsible for freight charges on canceled orders shipped before the cancellation notice.