



Ferndale

Safety

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

MODEL TC CHIP SHIELD INSTALLATION GUIDE



Thank you for the purchase of our chip shield. We have made this installation guide to help you set up and use this product. This guide assumes that 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 components.

You should have for TC-1, TC-2, & TC-3 models:

- One (1) shield assembly
- One (1) mounting posts

For TC-4, TC-5, & TC-6 models:

- One (1) Chip Shield Assembly

The shield assembly gets installed onto the mounting post.

TIP: You may need to fabricate a custom bracket(s) like shown in this photo. We like using 2"x3"x1/4" aluminum angle stock.



Figure 2: TC Lathe Chip Guard

INSTALLATION (TC-1, TC-2, TC-3 Only)

NOTE: We have centered this manual towards a lathe installation. However, this shield works great on other machines such as surface grinders, tool grinders, and even mounted on top of workbenches.

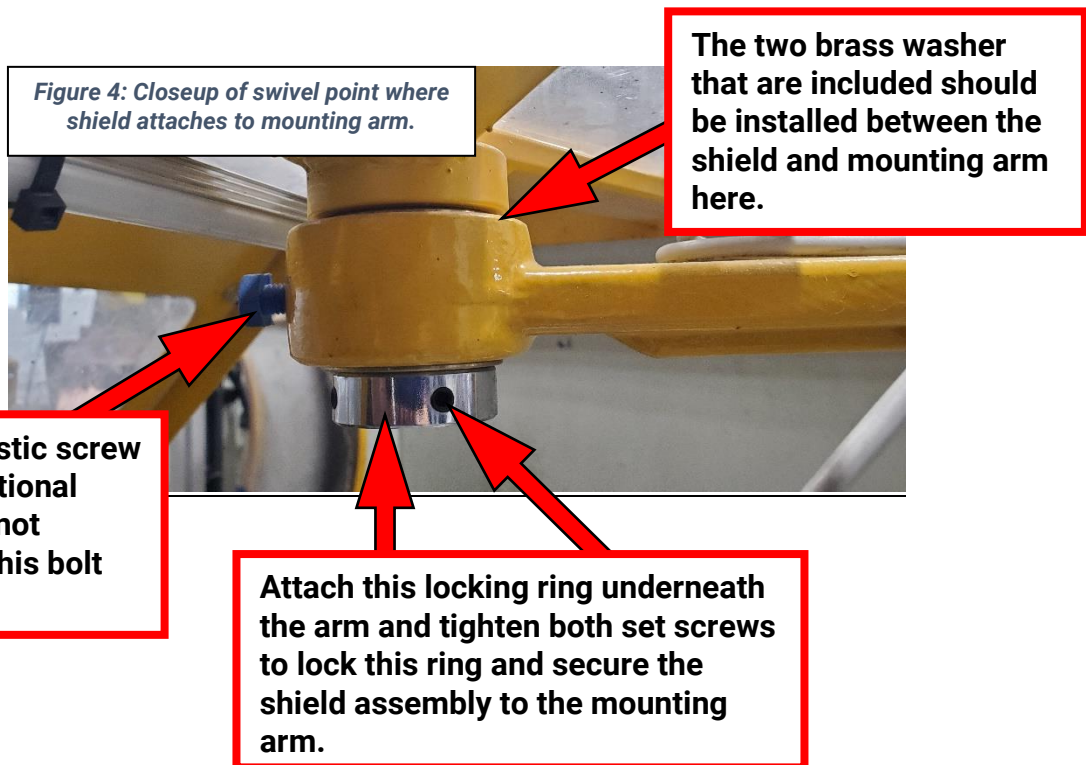
Mount the post and mounting arm on the lathe carriage's backside or cross slide on a flat surface. Use two ¼"-20 x 1" bolts to mount the bracket to the lathe. You may need to fabricate a bracket to get a good mounting surface, depending on the location. Use a torpedo level or carpenter's square to make sure that the post is level. See figure 2 & figure 3 to see examples of mounting.

INSTALLATION (Cont.)
(TC-1, TC-2, TC-3 Only)



Figure 3: View of the mounting bracket from the back of a lathe.

Once the mounting tube and arm has been installed and leveled, install the shield onto the post using figure 4 as a reference. Slide the shield assembly into the ring at the end of the mounting arm and attach the



INSTALLATION (TC-4, TC-5, TC-6 Only)

We have made the TC-4, TC-5, and TC-6 models to install on the front of a lathe tool post or carriage on huge lathes. These shields do not require any additional assembly to use. Use two or more ¼"-20 x 1" bolts to secure the mounting bracket to a flat surface. You may need to fabricate additional mounting brackets depending on the installation location.

TIP: You may need to fabricate a custom bracket as shown in this photo. We like using 4"x1/4" aluminum flat bar.



Figure 5: TC-4 installed on the front of a large lathe.

ADJUSTMENT (TC-4, TC-5, TC-6 Only)

Loosen the set screws located here to make this arm longer or shorter.



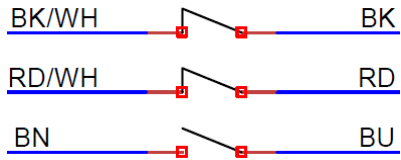
Figure 6: Adjustment of TC-4, TC-5, and TC-6 Shields

ELECTRICAL CONNECTION (TC-1, TC-2, TC-3 Only)

NOTE: THIS APPLIES ONLY TO CHIP SHIELDS WITH THE SAFETY INTERLOCK SWITCH OPTION.

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/>