

INSTALLATION GUIDE

OIL SKIMMER KIT FOR 1100M/1100MX, 770M/770MX, AND PCNC 440

PURPOSE

This document gives instructions on installing the Oil Skimmer Kit for 1100M/1100MX, 770M/770MX, and PCNC 440.

PRODUCT INFORMATION

Product: Oil Skimmer Kit for 1100M/1100MX, 770M/770MX, and PCNC 440 (PN 39298)

Quantity	Description
3	M5 × 0.8 - 25 Screw (PN 38892)
2	Screw, Socket Head Cap, M6 × 1 - 45 (PN 31332)
2	M6 Nut (PN 34896)
2	Washer, Split Lock, M6 (PN 31379)
1	Skimpy Skimmer with Hose and Clamp (PN 35243)
1	Spacer Block (PN 35592)
2	Oil Collection Container (PN 39128)
1	Skimmer Bucket Adapter Plate (PN 53696)



Note: If any items are missing, we can help. Create a support ticket with Tormach Technical Support at tormach.com/how-to-submit-a-support-ticket for guidance on how to proceed.

REQUIRED TOOLS

This procedure requires the following tools. Collect them before you begin.

- 10 mm wrench
- Cutters
- Flat-blade screwdriver
- Metric hex wrench set

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1. Power off the machine and the PathPilot controller.
 - a. Push in the machine's red Emergency Stop button, which removes power to motion control.
 - b. From the PathPilot interface, select **Exit**.
 - c. Turn the Main Disconnect switch to **OFF** on the side of the electrical cabinet.
2. Move the coolant tank out of the machine stand.
3. Remove the two M5 screws securing the skimmer plate cover to the skimmer plate with a 3 mm hex wrench. Then, discard the screws and the skimmer plate cover.

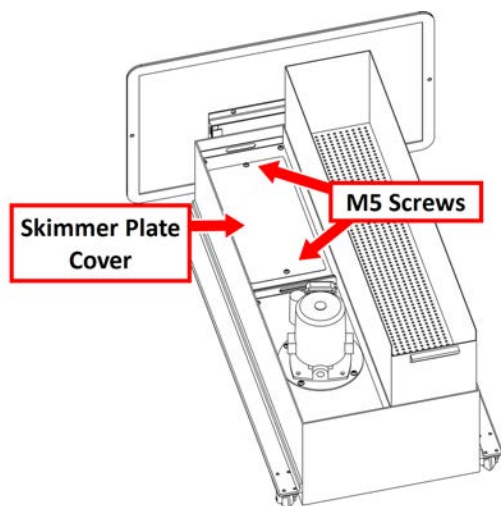


Figure 1: Skimmer plate cover on the skimmer plate.

4. Remove the four screws and the skimmer plate with a 3 mm hex wrench, and set all aside.
5. Put two M6 × 1 - 45 screws through the skimmer's mounting holes and into the holes in the spacer block.

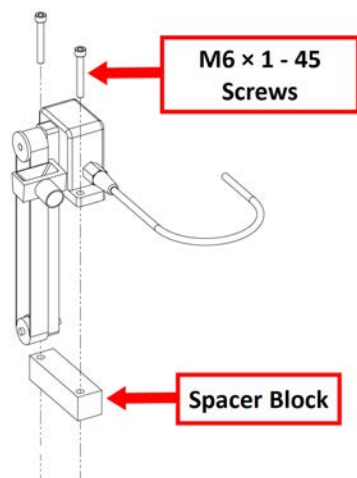


Figure 2: Securing the skimmer to the mounting block.

6. Put the skimmer into the smaller hole of the skimmer plate, and then align the skimmer's screws with the two mounting holes on the skimmer plate.

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- Secure the skimmer to the skimmer plate: put one M6 lock washer and one M6 nut on each M6 × 1 - 45 screw.

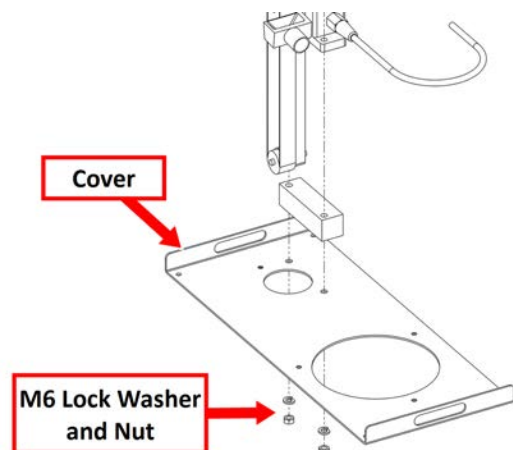


Figure 3: Securing the skimmer to the skimmer plate.

- Tighten the nuts and bolts with a 5 mm hex wrench and a 10 mm wrench.
- Put the skimmer plate back on the coolant tank, and secure it with the four M5 screws that you set aside earlier.
- Identify the skimmer bucket adapter plate (PN 53696) and the two oil collection containers (PN 39128). Insert one of the containers into the center of the adapter plate. Press the container all the way down into the plate so that the top lip of the container is touching the adapter plate.



Note: The bracket should be a tight fit around the container. You may need to flex the container inward a bit to fully insert it into the adapter plate.

- Insert the remaining container into the first container.
- Secure both containers to the skimmer plate: put one M5 screw through each of the slots in the adapter plate, and then install the assembly onto the skimmer plate with a 3 mm hex wrench.

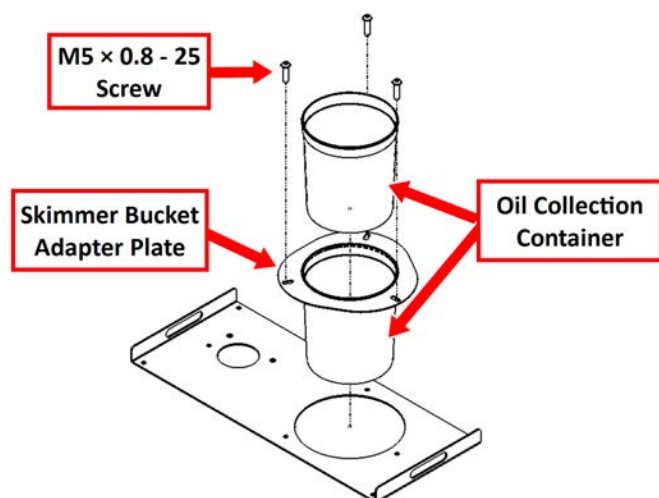


Figure 4: Securing the oil collection container to the skimmer plate.

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13. Put the oil discharge hose on the skimmer's discharge outlet.
14. The hose may be longer than necessary for your setup. To determine the appropriate length, route the loose end to the oil container, and then cut the hose as necessary with a cutters.
15. Put the hose clamp around the hose, and secure it to the skimmer's discharge outlet with a flat-blade screwdriver.
16. Route the skimmer's power cable toward the back of the machine and out of the machine stand.
17. Connect the power cable to a 115 Vac outlet.
You've completed the installation.



Note: While the skimmer is plugged in, it runs continuously. To power off the skimmer, remove the plug from the outlet. For information, see the Skimpy Skimmer documentation (provided).