

INSTALLATION GUIDE

OIL SKIMMER KIT FOR 1500MX

PURPOSE

This document gives instructions on installing the Oil Skimmer Kit for 1500MX.

PRODUCT INFORMATION

Product: Oil Skimmer Kit for 1500MX (PN 53859)

Quantity	Description
3	Nut, Hex, M5 × 0.8 (PN 31201)
2	Nut, Hex, M6 (PN 34896)
2	Oil Collection Container (PN 39128)
3	Screw, Button Head Cap, Flanged, M5 × 0.8 - 25 (PN 38892)
2	Screw, Socket Head Cap, M6 × 1 - 45 (PN 31332)
1	Skimmer Bucket Adapter Plate (PN 53696)
1	Skimpy Skimmer, El Nino 9 in. with Hose and Clamp (PN 53858)
1	Spacer Block, Skimpy El Nino 6 in. Skimmer, 1 in. (PN 35592)
2	Washer, Split Lock, M6 (PN 31379)



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.

- 8 mm wrench
- 10 mm wrench
- Cutters
- Flat-blade screwdriver
- Hammer
- Metric hex wrench set
- Punch

INSTALL THE OIL SKIMMER KIT

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. Depending on your machine configuration, the installation location for the oil skimmer kit varies:
 - **If you have only the Flood Coolant Kit** Locate the skimmer plate cover on the coolant tank. Remove the four screws securing the plate to the coolant tank, and set the screws aside. Remove the skimmer plate from the coolant tank.

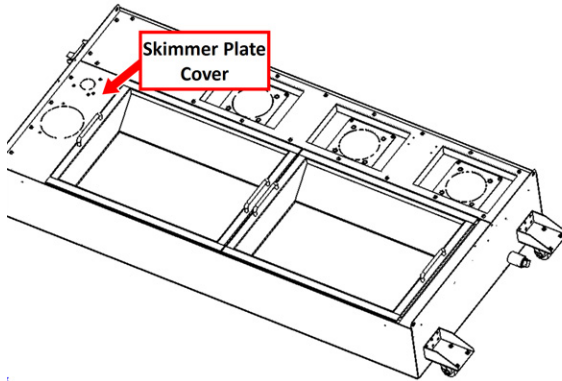


Figure 1: Skimmer plate cover on the coolant tank.

- **If you also have a Chip Conveyor Kit** Locate the skimmer plate cover on the chip conveyor. Remove the screws securing the plate to the chip conveyor, and set the screws aside. Remove the skimmer plate from the chip conveyor.

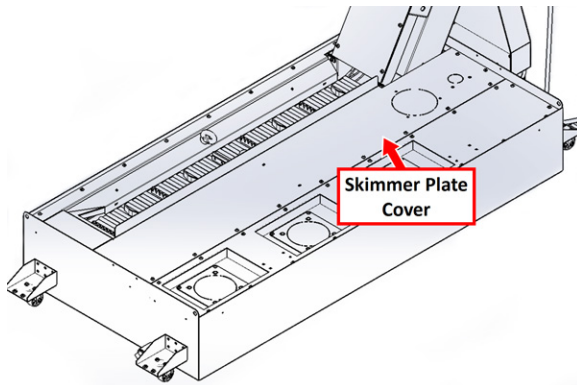


Figure 2: Skimmer plate cover on the chip conveyor.

3. Use a hammer and punch to knock out both circular knockouts — the larger one is for the oil container, the smaller one is for the skimmer.

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4. Insert two M6 × 1 - 45 screws through the skimmer's mounting holes and into the matching holes in the spacer block.

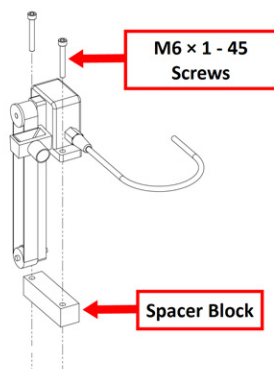


Figure 3: Securing the skimmer to the mounting block.

5. Insert the skimmer into the smaller hole of the skimmer plate, aligning its screws with the plate's mounting holes.
6. From the underside of the plate, secure each screw with an M6 lock washer and an M6 nut.

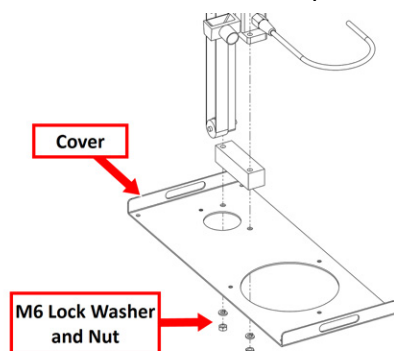


Figure 4: Securing the skimmer to the skimmer plate.

7. Tighten the fasteners with a 5 mm hex wrench and a 10 mm wrench.

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- Identify the skimmer bucket adapter plate (PN 53696) and the two oil collection containers (PN 39128). Insert one container into the center of the adapter plate. Press down until the container's top lip contacts the plate.



Note: The bracket should fit tightly around the container. You may need to flex the container slightly to insert it fully.

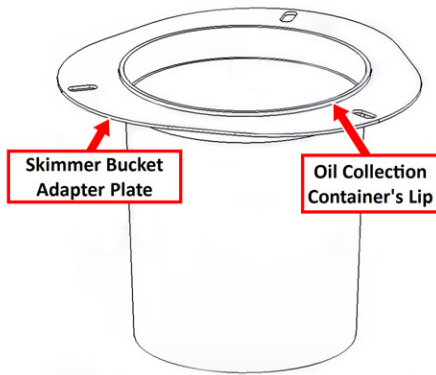


Figure 5: Adapter plate installed onto the container.

- Nest the second container inside the first.
- Secure the container assembly to the skimmer plate: insert one M5 screw through each slot in the adapter plate, then thread an M5 nut onto each screw from underneath. Tighten with a 3 mm hex wrench and an 8 mm wrench.

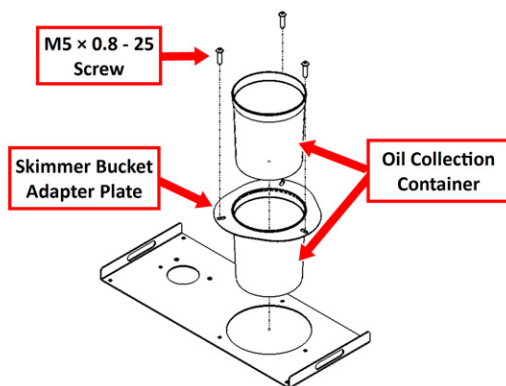


Figure 6: Securing the oil collection container to the skimmer plate.

- Reattach the skimmer plate to the coolant tank using the four screws that you set aside earlier.
- Attach the oil discharge hose to the skimmer's discharge outlet.
- 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 pair of cutters.
- Slide the hose clamp onto the hose and tighten it around the outlet with a flat-blade screwdriver.
- Route the skimmer's power cable toward the back of the coolant tank.

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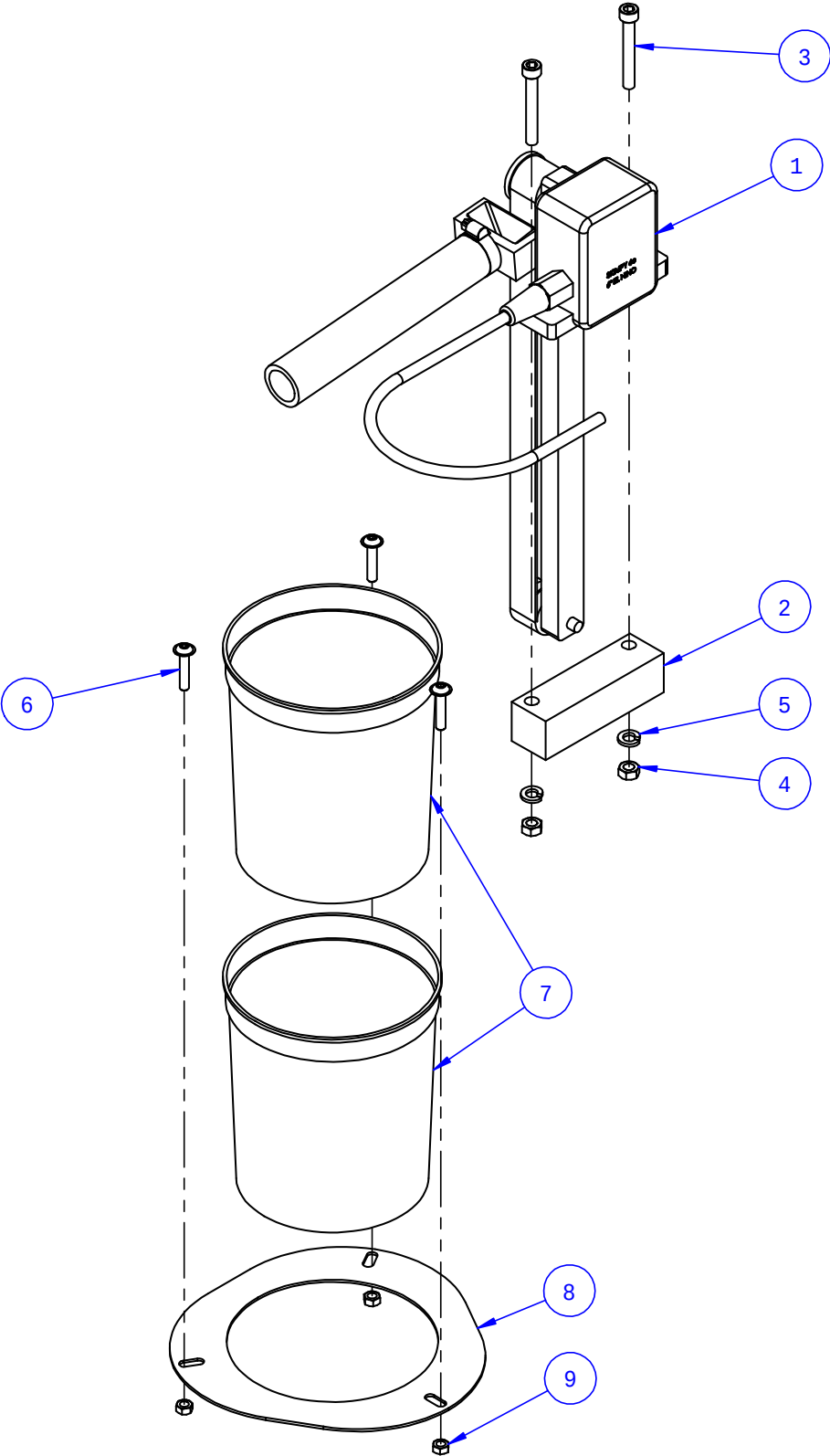
16. Plug the power cable into a 115 Vac outlet.
You've completed the installation.



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

DIAGRAMS AND PARTS LISTS

Oil Skimmer Kit



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ID	Description	Quantity
1	Skimpy Skimmer, El Nino 9 in. with Hose and Clamp (PN 53858)	1
2	Spacer Block, Skimpy El Nino 6 in. Skimmer, 1 in. (PN 35592)	1
3	Screw, Socket Head Cap, M6 × 1 - 45 (PN 31332)	2
4	Nut, Hex, M6 (PN 34896)	2
5	Washer, Split Lock, M6 (PN 31379)	2
6	Screw, Button Head Cap, Flanged, M5 × 0.8 - 25 (PN 38892)	3
7	Oil Collection Container (PN 39128)	2
8	Skimmer Bucket Adapter Plate (PN 53696)	1
9	Nut, Hex, M5 × 0.8 (PN 31201)	3