



MK Diamond Products, Inc.

TX-3 Tile Saw

Manufacturer Water Pump Modification

Part# 164800-IS

www.mkdiamond.com

March 16, 2010

1. Pre-start Inspection:

Prior to beginning work, a pre-start inspection of the pump should be performed. Inspect the Pump Assembly for damage—ensure the cord is free of cracks or cuts.

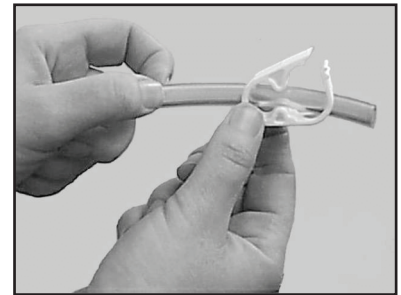
2. Water Pump Preparation:



Install Water Pump Discharge Fitting.



Press one end of the Cooling Transfer Tube onto the Water Pump Discharge Fitting.



Slide Cooling Flow Adjusting Clamp onto the Cooling Transfer Tube.

3. Water Pump Setup for Operation:

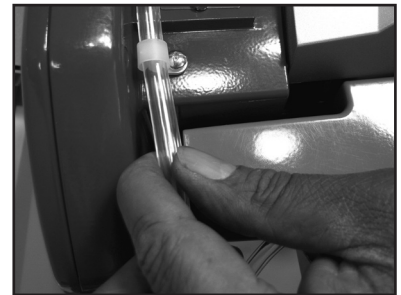
NOTE: If using a dry blade for operation, DO NOT connect the water pump.



Loosen clamp and remove existing cooling tube from inlet.



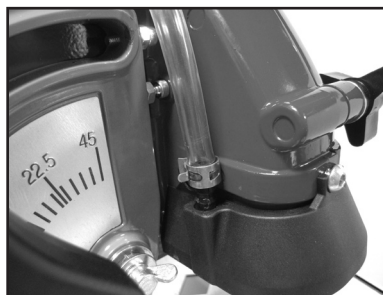
Remove cooling tube from guides and secure near rear of motor.



Install new cooling transfer tube by sliding through guides to front of the saw



Install cooling tube to inlet.

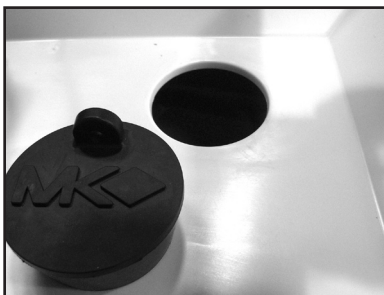


Tighten clamp.

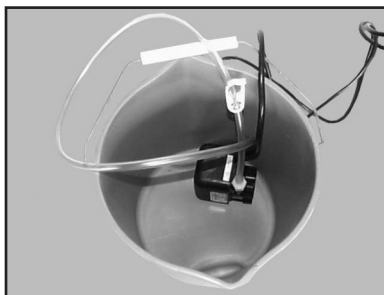


Connect the water pump power cord to receptacle.

4. External Water Source:



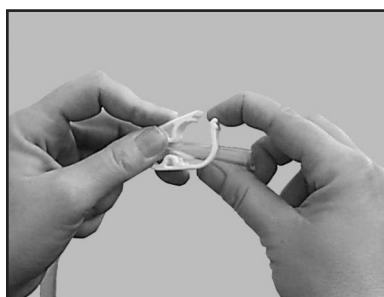
Remove the Drain Plug from the water pan.



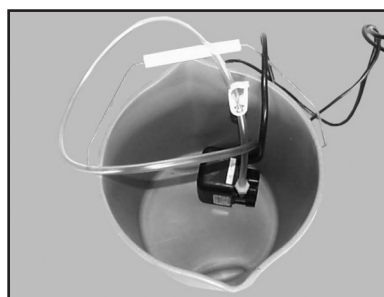
Place the Water Pump in an external container. Fill the external container until water completely covers the Water Pump suction.

Place an external catch basin below the water pan drain hole.

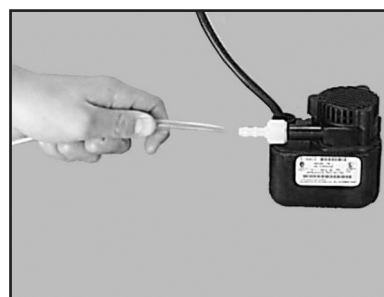
6. Cooling Flow: Maintenance/Troubleshooting:



Verify the cooling flow by ensuring Adjusting Clamp is open. Remove the Cooling Transfer Tube from the coupling.



Place Pump into a bucket of water and check flow.



Remove the Cooling Transfer Tube and check for flow.



Remove the Pump Discharge Fitting and check for flow.



Remove the Pump Intake Screen and check for debris—clean the screen if necessary.



Remove the 3 Pump Casing Retaining Screws.



Remove the Pump Casing and check for restriction in the casing. Check the Impeller for damage.