



# SHINODA USA INC

## Installation Guide – Green Frog Anti-Marking Jackets

### Heidelberg Speedmaster 74 (U1/U3) Transfer Positions

#### **Prior to Installation:**

Required Tools: 17mm Hex Head Wrench

#### **Removal of any Existing Transfer Jackets:**

Please review the instructions provided by the press manufacturer concerning removal of any transfer jackets the press may be equipped with, as these are supplemental instructions and it is always best to refer to the manufacturer's instructions prior to removal of existing transfer jackets. Be sure to observe all warning, safety and lock out procedures.

#### **Preparing the Transfer Cylinder Surface:**

Once any transfer jackets have been removed, clean the cylinder surface using a mild solvent and a lint free cloth, remove any debris or other foreign substances from the cylinder surface.

The Shinoda USA Inc. Green Frog Anti-Marking Jacket is installed in a similar manner as the original transfer jackets provided by the press manufacturer. These are supplemental instructions and it is best that you refer to the manufacturer's original instructions. The textured glass beaded side of the jacket faces up, which contacts and supports the printed substrate. The Green Frog Jacket has a backing attached to the underside of the jacket which acts as a packing material. If you are printing stocks 80# (200gsm) or lighter it may be necessary to add packing under the jacket during the installation process. The recommended clearance between the impression cylinder and the surface of the Green Frog Jacket is between .024" (0.6mm) and .039" (1.0mm). In most cases it is not necessary to add packing to the Green Frog Jacket, if you are unsure, please contact us for additional information.

#### **Installation Process:**

Once any existing transfer jackets have been removed and the cylinder surface is clean and dry, rotate the transfer cylinder so that the gripper assembly is facing upwards and the 17mm hex head bolt (located on the operator's side of the press on the side of the cylinder) is accessible. Loosening the 17mm hex head bolt with the Hex-Head Wrench will open a small gap between the gripper pad assembly and the cylinder edge, allowing you to insert the gripper edge of the green Frog Jacket. The correct edge of the jacket to be inserted is the two metal strip mounted to the underside of the jacket. Press the bar into the open gap until the bar is completely even with or slightly below the cylinder surface edge. Be sure the jacket is centered between the operator and gear side of the transfer cylinder. Lock the gripper edge of the jacket into place by tightening the 17mm hex head bolt.

Please see the Reverse Side or Next Page



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Holding the opposite edge (tail edge) of the jacket taut, slowly rotate the cylinder towards the tail edge (If you are adding packing under the jacket, insert and center the packing prior to rotating the cylinder). Once the tail edge of the cylinder is accessible, locate the tail edge “pin rail” clamp mechanism (in the cylinder gap). Locate the 17mm hex head bolt on the “pin rail” clamp and rotate the hex head in a clockwise direction to apply pressure on the “pin rail” clamp springs. (This will close the gap between the “pin rail” and tail edge of the cylinder, allowing you mount the tail edge of the jacket). The tail edge of the jacket clamp bar has corresponding holes that will mount over the protruding retaining pins on the “pin rail” clamp mechanism. Mount the tail edge bar of the jacket over the retaining pins and rotate the 17mm hex head bolt in a counter-clockwise direction which will apply “spring” pressure to the jacket, tightening it into place.

Rotate the transfer cylinder and inspect the surface of the Green Frog Jacket insuring that there are no wrinkles or distortions in the surface and the jacket fits tightly over the entire transfer cylinder surface to complete the installation process. Be sure that all fixtures are securely locked into place prior to running the press.

## **Maintenance and Care of the Green Frog Anti-Marking Jacket**

The Green Frog Anti-Marking Jacket will require periodic cleaning in order to keep the surface free from ink accumulation. In most cases the surface should be washed on a daily basis in order to receive the longest service life. It is also best that the washing of the surface be performed before the ink is dried and becomes hard.

We suggest that a clean lint free cloth be used to wash the surface of the Green Frog Jacket, do not use scrubbing pads with coarse surfaces as this may scratch the surface and allow rapid ink accumulation. To remove ink or other debris from the jacket surface we suggest a mild (non-Toluene based) solvent that does not contain Glycol, as these types of solvents can destroy the surface integrity and cause premature replacement.

If ink is allowed to dry on the surface, it may be necessary to wash the surface several times in order to remove any ink accumulation. It is normal to see stains appear on the surface as the coatings used to protect the Silicon Glass Beads have pores that will retain small amounts of ink pigmentation and may cause a staining effect. It is only important that dried ink not accumulate on the jacket surface over long periods of time, as the dried ink accumulation may scratch the surface of the freshly printer substrate.

We hope that the Shinoda USA Inc. products meet and exceed your performance requirements and expectations, if you should have any questions, please contact our customer service department at 817-886-9250.

To find out more about all the products we offer please visit our website at [www.shinoda-usa.com](http://www.shinoda-usa.com)

The staff at Shinoda USA Inc. thanks you for your purchase of our products and we look forward to working with you again.