



# SHINODA USA INC

## Installation Guide – Green Frog Anti-Marking Jackets

### Heidelberg Speedmaster 102 (U1/U3) Transfer Positions (R/R)

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

Required Tools: 17mm Hex Head Wrench, Pin Wrench, Slotted Pin Wrench (HDM# 930194H)

#### **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 bolts (located on both the operator and gear sides of the press) are accessible (the hex head bolts are located on the sides of the transfer cylinder). Using the 17mm Hex-Head Wrench, loosen both hex head bolts, then insert the Pin Wrench into the pin hole on either side of the surface of the cylinder. Applying pressure in the direction of the tail edge will allow the cylinder to slide back away from the gripper assembly and open a gap between the cylinder edge and the gripper assembly. Locate the retaining pins on the underside of the cylinder. Insert either edge of the Green Frog Jacket into the gap and align the die cut areas with the round tensioning rod through them over the retaining pins on the underside of the cylinder. Be sure that the retaining rod is inserted over all the retaining pins.

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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 retaining pins (located on the underside of the cylinder). The tail edge of the Green Frog Jacket has corresponding die cut areas with a round tensioning rod through them that will mount over the retaining pins. Using the Slotted Pin Wrench apply pressure to the tensioning rod beginning at the operators side and insert the tensioning rod over the retaining pin. Continue this process working towards the gear side until the tensioning rod has been inserted over all the retaining pins. Rotate the cylinder back to the gripper edge until the 17mm hex head bolts are accessible. Insert the Pin Wrench into a pin hole on the cylinder surface and apply pressure towards the gripper assembly until the cylinder moves forwards and closes the gap between the cylinder edge and gripper assembly. Lock the hex head bolts securely into the locking position.

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.