Kodak

Trendsetter News (MCE)

Preloader Interface Installation

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Revision History

Revision	Date	Author	Comments
A	05 Jul 02	R.Levasseur	First Release
B	12 April 07	D.Priest	Updated Photos

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1. REFERENCE DOCUMENTS

Refer to the following documents;

- **72-3733A-A-SP01.doc** – Preloader Interface specification for the technical details of the interface. The signal definition and pin assignment are detailed in the interface specification.
- Firmware release notes for MCE version machine.
- **Preloader_Flow_Chart2Rev2.vsd** – The flowchart details the sequence of operations with a Trendsetter operated with a Preloader.

2. PRELOADER INTERFACE INSTALLATION

2.1 Firmware Installation

The Trendsetter News with MCE electronics requires the correct firmware to enable the preloader option. The firmware version 1.00.02 or higher supports the preloader option. If the firmware is a pre-release or beta version make sure the firmware is updated. The firmware has an option that selects preloader for the Trendsetter to work with a Preloader option. This option must be enabled. The workstation Print console software will now recognize the preloader device and all input / output commands will function properly. The diagnostic display of the Trendsetter is through the service shell application.

Service Shell screen display when the preloader is not installed but the preloader option is enabled.

```
NEWS>> preloader
Preloader status:
    Power on      = Off
    Fault         = On
    In place      = Off
    Loading       = On
Trendsetter outputs:
    Powered on    = On
    Fault         = Off
    Picker clear  = Off
    Request plate = Off
*** Command Complete
```

Service Shell screen display when the preloader is installed, powered on, no faults, moved into position and in standby mode.

NEWS>> preloader

Preloader status:

Power on = On

Fault = Off

In place = On

Loading = Off

Trendsetter outputs:

Powered on = On

Fault = Off

Picker clear = Off

Request plate = Off

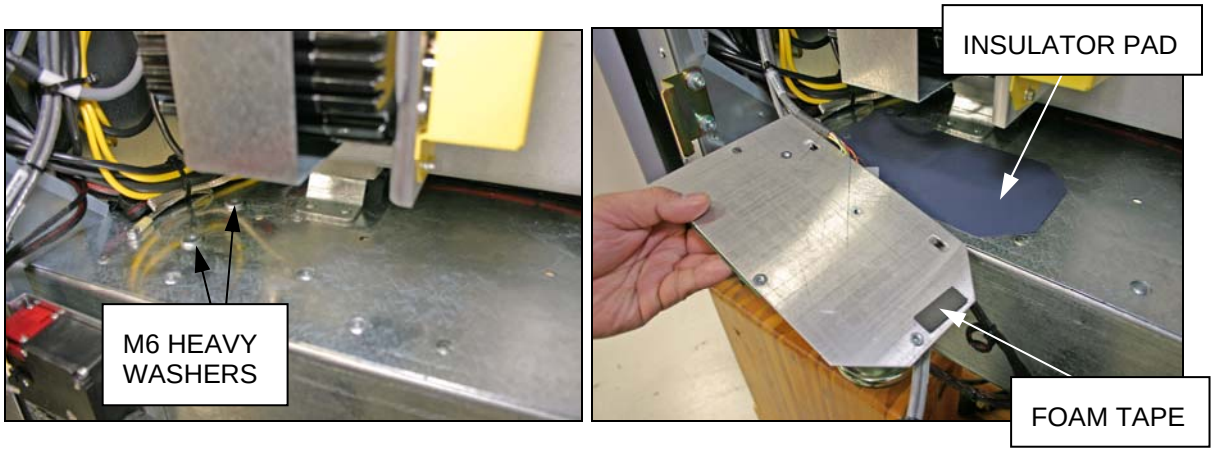
*** Command Complete

2.2 Hardware Installation

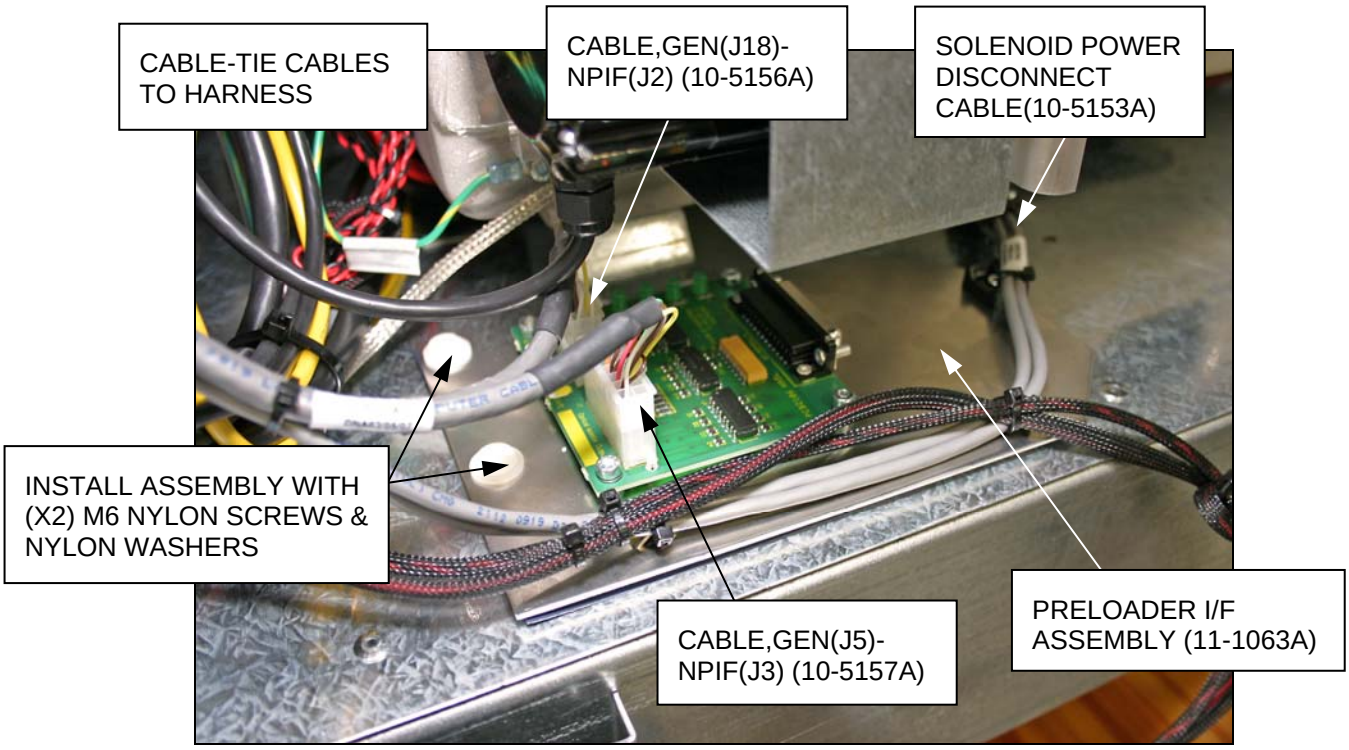
SAFETY NOTE: The power to the machine MUST be removed and the air supply to the machine shut down as well.

STATIC NOTE: Use an antistatic wrist strap when connecting cables to the Genine board and preloader I/F board. Always have the ground connection to the machine chassis to ensure any static is discharged to ground.

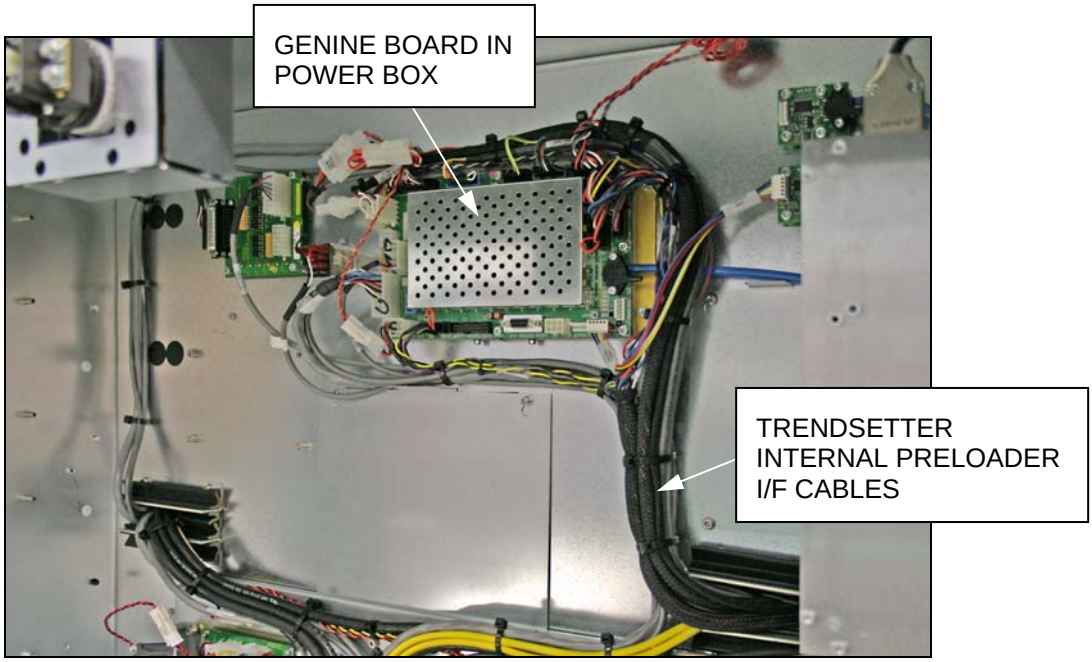
The Preloader interface assembly kit contains the following parts 10-5156A cable (from preloader I/F board J2 to the Genine board J18), 10-5157A cable (from preloader I/F board J3 to the Genine board J5 and J14), 10-5153A Solenoid power disconnect and 11-1063A preloader I/F pcb assembly installed on a metal bracket. The cable that connects to the preloader I/F board and the preloader is not included. The cable that connects to the solenoid power disconnect cable and the preloader is not included in this kit. The following photos show the installation of the preloader I/F board assembly as well as the internal cables into the power box.



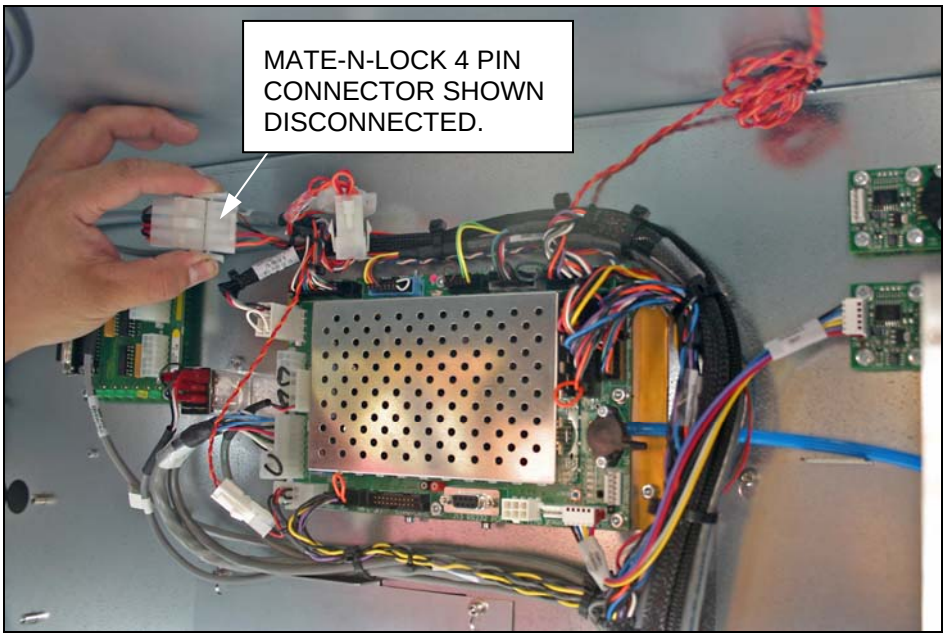
1) Open front door to view the engine compartment and get access to the M6 mounting PEM nuts located to the right of the drum motor.



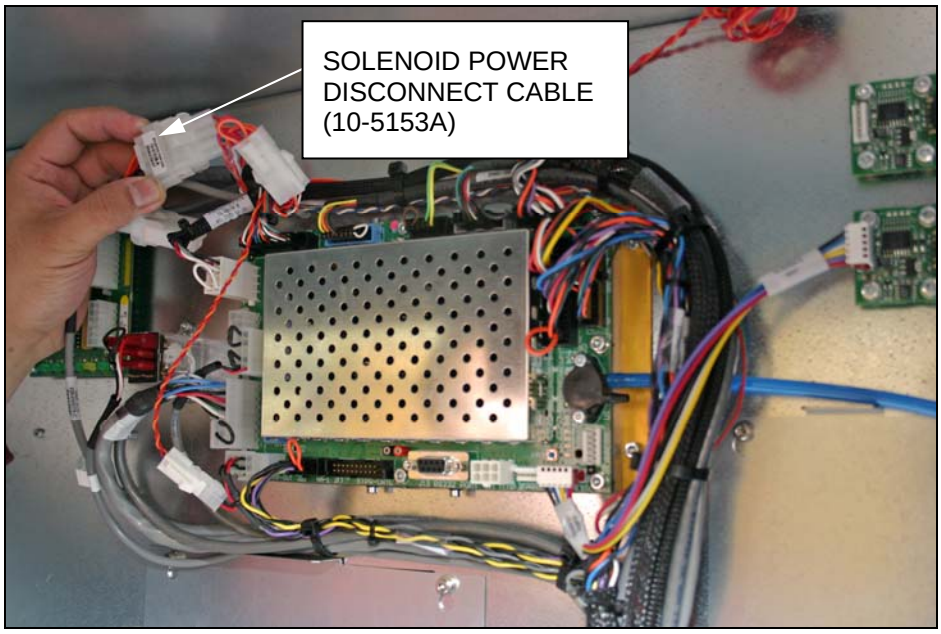
2) Place two M6 heavy washers over the PEM nuts. Place insulator pad overtop. Apply the foam tape to the underside of the preloader assembly near the tie-wrap mount. Install the preloader assembly (11-1063A) with the (2) M6 nylon screws and washers. Attach solenoid disconnect cable (10-5153A) to bracket with 2 cable ties. Install the Trendsetter internal cables (10-5156A & 10-5157A) to J2 and J3 of the preloader I/F board. Attach cable ties to the cables routing them into the power box.



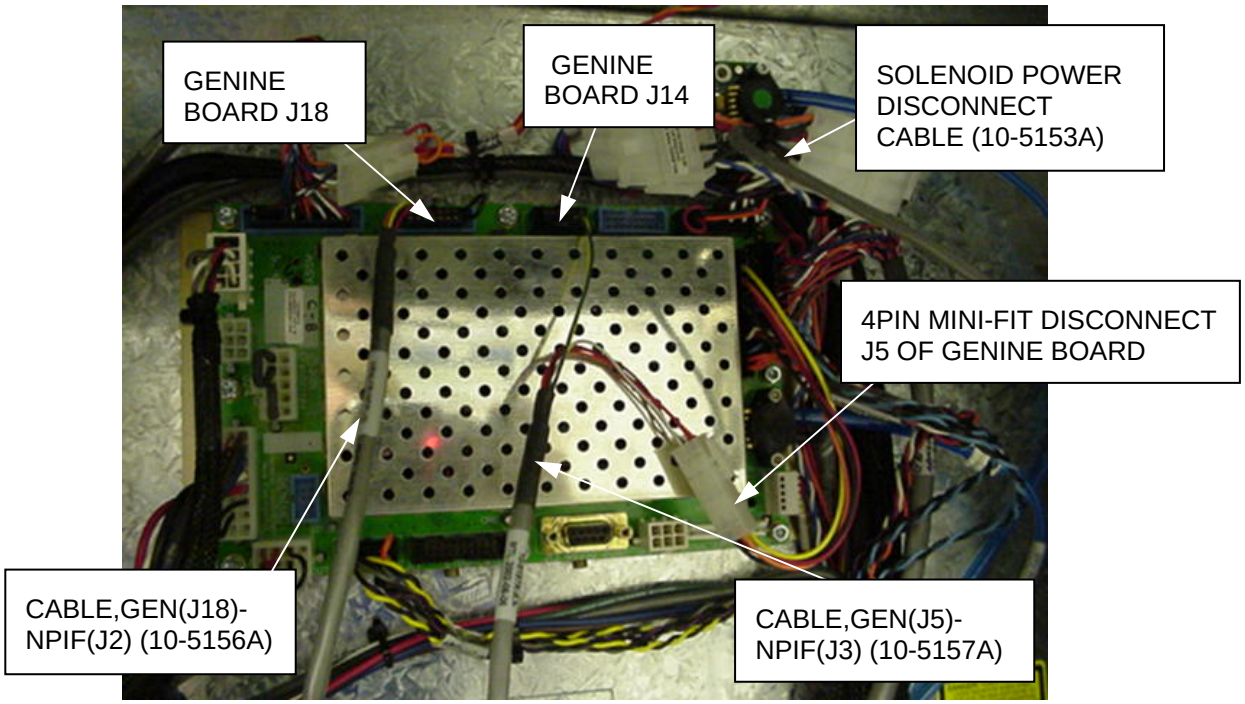
3) Open power box door and find the Genine board and the cables from the preloader I/F. The preloader I/F cables connect to the Genine board and the Omron disconnect.



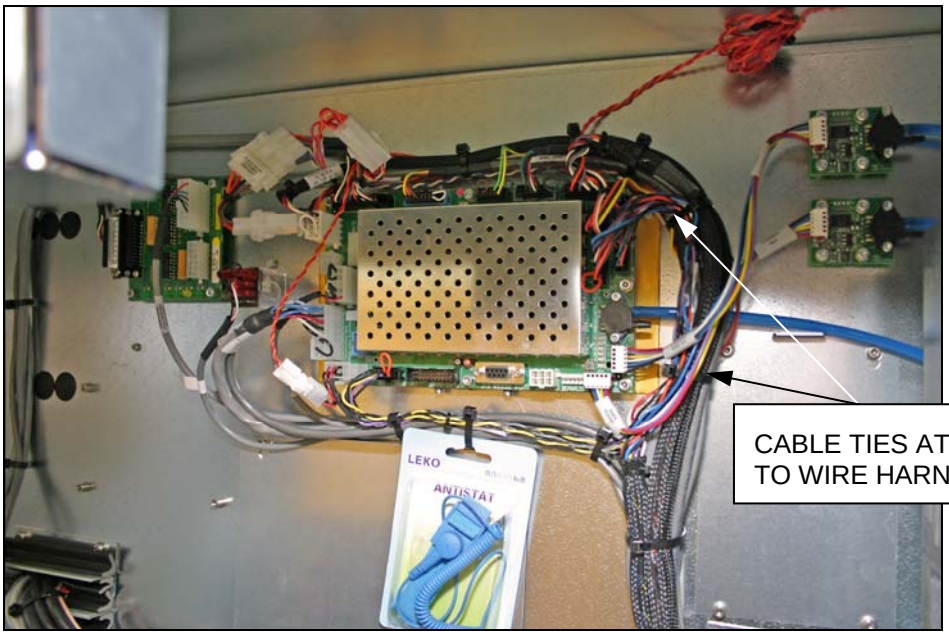
4) Disconnect the 4 pin connector as shown.



5) Install the solenoid power disconnect cable (10-5153A) as shown in the photo. Plug in the mating Mate-N-Lock connectors from the solenoid power disconnect cable into the 2 connectors that are open. Note this cable provides the hardware “preloader in place” function so when the preloader is in place it will re-energize the picker solenoids.



6) Route the 10-5156A cable to J18 of the Genine board. Route the 10-5157A cable to the 4pin mini-fit disconnect and to J14 of the Genine board.



7) Route the 3 cables in the wiring harness along the right side of the Genine board. Ensure the wires are not stressed at the connectors going into the Genine board. Attach cable ties to existing wiring harness and loop any extra length inside the power box.

8) The Preloader system is now ready to operate with the Trendsetter.