

EZcal Controller Clone Save & Restore Instructions

Before You Begin

When replacing or configuring a controller, the machine configuration and calibration must be established before the machine is returned to operation. There are two methods available:

Option A — Clone an Existing Controller

Use the EZcal CLONE SAVE / CLONE RESTORE function to transfer the configuration and calibration data from a properly operating machine of the same model and controller type. This method allows existing machine configuration and calibration data to be copied to the replacement controller.

Option B — Calibrate the Machine

If a compatible, properly operating machine is not available for cloning, configure and calibrate the machine using the applicable Calibration Instructions.

Important: Clone data should only be transferred between machines of the same model and controller type. TS100 and TS100XE boards cannot be cloned to each other. TS100 data may only be transferred to a TS100 board, and TS100XE data may only be transferred to a TS100XE board.

IMPORTANT — Controller Compatibility

TS100 and TS100XE boards cannot be clone saved/restored to each other.

Clone data must only be transferred between the same board types:

- **TS100 → TS100**
- **TS100XE → TS100XE**

Do not attempt to transfer clone data between a TS100 and TS100XE board.

Purpose

The EZcal **CLONE SAVE** and **CLONE RESTORE** menus work together to enable simple and quick transfer of all PGT controller data, including machine calibrations (height, overload, etc.), from one controller to another.

This function is particularly useful when it is necessary to replace a controller.

Preparing for Clone Use

1. The **CLONE** menus are only available by pressing and holding **DOWN** while connecting the EZcal to the controller.
2. When the EZcal is connected with **DOWN** pressed, the **CLONE SAVE** menu is immediately displayed.

CLONE SAVE

Saving Data From the Original Controller

1. Connect the EZcal to the **original controller** while pressing and holding **DOWN**.
2. The **CLONE SAVE** menu should be displayed as soon as the EZcal is connected.
3. There is no need to enter a filename. The file **PGTCLONE.TXT** is always used.

IMPORTANT: Be sure you are connected to the **original controller** that you wish to clone data **from**.

4. The EZcal will prompt for confirmation by displaying **":NO"**.
5. Press **UP/DOWN** to change the selection to **":YES"**, then press **ENTER**.
6. The display will show **"WORKING"**, followed by a counter that increases as all data from the original controller is saved.
7. When the CLONE SAVE process is complete, the display will show **"FINISHED"**.
8. The EZcal may now be disconnected.

CLONE RESTORE

Restoring Data to the Replacement Controller

1. Connect the EZcal to the **replacement controller** while pressing and holding **DOWN**.
2. When the **CLONE SAVE** menu appears, press **RIGHT** to display the **CLONE RESTORE** menu.
3. There is no need to enter a filename. The file **PGTCLONE.TXT** is always used.

WARNING: Be sure you are connected to the **replacement controller** that you wish to clone data **to**. Any and all existing data in this controller will be replaced.

4. The EZcal will prompt for confirmation by displaying **":NO"**.
 5. Press **UP/DOWN** to change the selection to **":YES"**, then press **ENTER**.
 6. The EZcal will display **"PROCEED?"** and request a second confirmation.
 7. Again, change **":NO"** to **":YES"** and press **ENTER**.
 8. The display will show **"SCANNING MENUS"** while the controller is checked to make sure it is OK to restore to.
 9. The display will then show **"WORKING"**, followed by a counter that increases as all controller data is restored.
 10. When the CLONE RESTORE process is complete, the display will show **"FINISHED"**.
-

CLONE RESTORE Error Messages

During **CLONE RESTORE**, error messages will be displayed if:

- The **replacement controller is not of the same type** as the original controller; or
- The replacement controller has a **software version older than that of the original controller**.