

## Technical Service Notification

### TLS-3XX version 34 Software & ECPU2 (MSP430) for TLS-350 Series Consoles



#### **Notice:**

This Technical Service Notification announces the release of version 34 software for TLS-3xx series consoles. In addition to the software, we released the ECPU2 for TLS-350 series consoles with the new MSP430 processor.

#### **1. Product Description:**

- Version 34 software is designed to operate the TLS-3xx platform.
- The ECPU2 board (333593-001) is a direct replacement for 331960-001 ECPU board. The manufacturer of the H8 processor used on the 331960-001 ECPU no longer manufactures this processor. This forced Veeder-Root to redesign the ECPU to accommodate the new MSP430 processor.

#### **2. Compatibility:**

Version 34

TLS console series 848290-xxx:

TLS-300 Series Consoles

TLS-350 Series Consoles

TLS-350R Series Consoles

TLS-350 Plus Series Consoles

ECPU2 333593-001

TLS console series 848290-xxx:

TLS-350 Series Consoles

TLS-350R Series Consoles

TLS-350 Plus Series Consoles

- Version 34 and future software versions are required for the ECPU2 board (333593-001) to operate properly with the new MSP430 processor.
- Version 34 will work with older ECPU2 (331960-001) boards.
- ECPU2 (333593-001) with the MSP430 processor will not support older software revisions 33 and below.

### **3. Version 34 Software Specifications (Features / Fixes)**

- Supports new MSP430 processor.
- ISD and Carbon Canister enhancements.

### **4. Approvals:**



### **5. Release Schedule and Lead Times**

As of July 9, 2015 Veeder-Root started shipping version 34 software. Starting on July 17, 2015 new console orders and ECPU2 service boards will be shipped with the MSP430 processor. Lead times for this product are 3 days. Please plan your purchase accordingly.

For ordering information, contact Veeder-Root Customer Service at [neworders@veeder.com](mailto:neworders@veeder.com) or by calling 1-800-873-3313.

### **6. Ordering**

Refer to Appendix I

### **7. Warranty**

Veeder-Root warrants that this product shall be free from defects in material and workmanship for a period of one (1) year from the date of installation or twenty-four (24) months) from the date of invoice, whichever occurs first.

If purchased separately from a console, we warranty that this product shall be free from defects in materials and workmanship for a period of fifteen (15) months from the date of invoice. Please refer to the Distributor Manual for further details on warranty policy.

## Appendix I

You Currently Have	And You Want	You will need	Part Number	Core Return
TLS-350J (manufactured after 12/16/02)	TLS-350PLUS with latest software (V1xx) and ECPU2 board, <=8 tanks	ECPU2 and ROM (V1xx)	331500-308	SEM, Old CPU, Software (U2, U3 Chips) and old probe as sensor PLLD boards
TLS-350 PLUS or TLS-350R (with ECPU 2 board with MSP430 Processor, <b>P/N 333593-001</b> )	Software Upgrade Only (V1xx)<= 8 tanks	ROM (V1xx)	331500-303	ROM Board
	Software Upgrade Only (V3XX) for system already equipped with NVMEM201 or 203	ROM (V3xx)	331500-353	
	Software Upgrade Only (V3xx), > 8 tanks or BIR w/manifold tanks	ROM (V3xx) and NV MEM201 Board	331500-320	
	Software Upgrade (V3xx), ISD (In-Station Diagnostics) and / or MT (Maintenance Tracker)	ROM (V3xx) and NV MEM203 Board	331500-322	
You Currently Have	And You Want	You will need	Part Number	Core Return
TLS-350PLUS or TLS-350R (with ECPU board P/N 330743-xxx, 331960-001 or CPU P/N 330506-001)	Software Upgrade and ECPU2 board, <= 8 tanks	ECPU2 and ROM (V1xx)	331500-308	ECPU board and Software (ROM board) or CPU board and Software (U2 and U3 chips)
	Software Upgrade (V3xx) and ECPU@ board, >8 tanks or BIR w/ manifold tanks	ECPU2 ROM(V3xx) and NV MEM201 Board	331500-348	
	Software Upgrade (V3xx), ISD (In-Station Diagnostics) and / or MT (Maintenance Tracker)	ECPU2 ROM(V3xx) and NV MEM203 Board	331500-358	
ECPU2 with Version 34 or Higher (Board Only)	Want	You will need	Part Number	Core Return
TLS-350PLUS or TLS-350R with ECPU boards P/N 333593-001	Replacement Board that run version 34 or Higher	ECPU2 Board Only	333593-001	333593-001