
TO: All Weil-McLain Distributors and Agents
FROM: Mike Boyd - Product Marketing Manager
SUBJECT: Updated U-Control Software on Ultra Gas Series 3 Boilers

Weil-McLain implemented a rolling change last October when we updated the software on the Ultra Gas Series 3 boilers (software on both the U-Control module, part # 383-500-627 and the display board assembly, part # 383-500-629). This software update is a natural progression as we continue to identify ways to optimize boiler set up, operation and ease troubleshooting.

What is new in the software?

- "Supply Too Fast" terminology has been changed to "Temp Rise Too Quickly".
- Additional pre-pump time (default is 20 seconds) for each priority is now available under the time menu (temp rise too quickly is ignored during pre-pump time and zero is actually the standard pre-pump time *(please set this to the time required to get the hot water back into the boiler from the system)*).
- Adjusted "Temp Rise Too Quickly" error requires the condition to be present for two consecutive readings to cause the auto-reset lockout.
- "Temp Rise Too Quickly" must now occur 5 times during the same heat cycle to cause a manual reset condition; this was previously 5 times since the boiler was powered.
- Priority switching has been improved-
 - Boiler switches to higher priority as soon as it becomes active and then begins max and min run times.
 - If priority has a post-pump time greater than zero, it will shut down the burner and post-pump before switching to the next temperature.
 - Maximum and minimum run time rules have been updated.
 - Min Run Time = 0 on any priority will now not let that priority run if another priority is calling for heat.

5 WAYS TO IDENTIFY IF AN ULTRA GAS SERIES 3 BOILER IS PROGRAMMED WITH THE LATEST SOFTWARE (Control V1.04, Display V1.03 - Rolling Change Released 10/08)

ONLY ONE of the following 5 identifiers needs to be present

1. CP NUMBER

Boilers with CP# 5923868 and higher (started on 10/30/08)

2. CRATE IDENTIFICATION

Boilers with the updated software are sprayed with a white dot on label sides of the crate
(started spraying crates on 11/6/08 with CP# 5924420)



3. DATE CODE

(On both the module & display part)

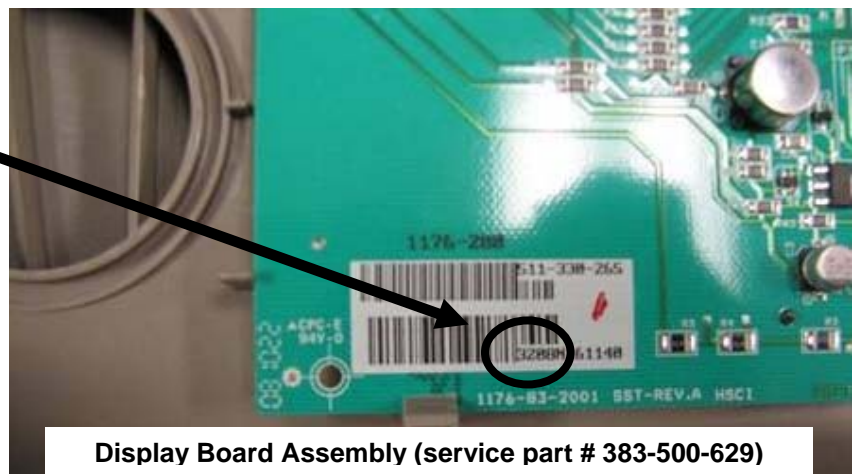
Updated software date code-
first four digits 4008 or higher

Original software date code-
first four digits 3908 or lower



U-Control Module (service part # 383-500-627)

Datecode: WWYY



Display Board Assembly (service part # 383-500-629)

4. REPROGRAMMED MARKINGS

Reprogrammed control has a black dot on lower right hand corner of label



U-Control Module (service part # 383-500-627)

Reprogrammed display has a black dot on the green board, next to the bar code label



Display Board Assembly (service part # 383-500-629)

5. SOFTWARE ID ON ENERGIZED DISPLAY SCREEN *

ORIGINAL Software Versions Screen

DISPLAY V1.00 to V1.02

SECOND MICRO V1.00 to V1.03

SOFTWARE VERSIONS	
DISPLAY	V1.02
MAIN MICRO	V1.00
SECOND MICRO	V1.03
◀ PREVIOUS	

UPDATED Software Versions Screen

DISPLAY V1.03

SECOND MICRO V1.04

SOFTWARE VERSIONS	
DISPLAY	V1.03
MAIN MICRO	V1.00
SECOND MICRO	V1.04
◀ PREVIOUS	

** To navigate to the "Software Versions" screen, you must press the top and bottom key pad buttons (12 & 6 o'clock positions) simultaneously and hold for 5 seconds to enter the contractor mode (Contractor Screen). Then choose the "Diagnostics" option, scroll down to the "Software Versions" option and enter.*

Updated software has a "PREPUMP TIME" option

SPECIAL NOTE:

If you mismatch an old control and a new display...
you would see the pre-pump option, but could not save it.

If you use a new control and old display...
you would have the 20 second prepump time defaulted, but
could not adjust it.

PRIORITY 1 TIMES	
MAX ON TIME:	FTB
BOOST INTERVAL:	OFF
PREPUMP TIME:	20 SEC
POSTPUMP TIME:	30 SEC
◀ PREVIOUS	

If you have any questions, please contact your local Weil-McLain representative or area sales office.