

Prom Installation Instructions

Before attempting any part of the following procedure, make certain that all programming data currently contained in the program codes is recorded so that it can be re-entered into memory after new proms have been installed and the EEPROM has been tested and cleared.

Read all instructions completely before attempting Prom Installation, EEPROM Test and Clear Procedure.

1. Power down the AccuLoad II.
 2. Remove the AccuLoad II front cover screws.
 3. Open the front cover.
 4. Remove the six barrier screws and perforated barrier plate (Figure 1).
 5. Refer to Figure 2 for location of your proms.
 6. Using a small screwdriver or similar instrument, carefully pry the proms out of their sockets. To do this, insert the screwdriver blade between the bottom of the prom and the top of the socket and pry gently.
 7. Install the new proms in their proper locations as shown by the prom reference number (U8, U9, U10, and U11) on each prom. Ensure that all pins on the prom are lined up with the socket receptacles, and that Pin 1 of the prom is lined up with Pin 1 of its corresponding socket. There will be a notch in the socket to assure proper installation. Referring again to Figure 2, all proms (when properly installed) will have their notch at the top of the board where the black circles appear on the drawing. Also, take note of the number of pin locations on the sockets. If installing a 28 pin prom in a 32 pin socket, note the location of Pin 1.
- Note:** Pin 1 of the prom is indicated as being to the left of the notch (facing away from you); see Figure 3 for reference. Care should be taken to avoid bending the pins.
8. This completes the installation of the new proms. To assure correct system operation, it is now necessary to test and clear the EEPROM. The EEPROM is part of the system that stores the data entered into the program codes.
 9. Locate Test Points TP9 and TP10 (Figure 2). They are located on the bottom of the board just left of center.
 10. Connect jumper wire between Test Points 9 and 10.
 11. Close and secure the front cover taking care not to pinch any cables.
 12. Power up the AccuLoad II. The power-up test should be displayed followed by "Smith Ready 12:00:00". If the AccuLoad II does not display the "Ready Mode", power the unit down and check the prom installation for bent pins and correct orientation. Occasionally, an alarm will occur on initial power-up.
 13. Close the Program and Weights and Measures program contacts.
 14. Press "ENTER" "ENTER" (the display will go blank).
 15. Press "0" "0" "0" "0" ("XXXX" will be displayed).
 16. Press "ENTER", the following will be displayed:

Firmware	Display
FCP	Program Mode-Critical = ON
GRK	BALE EURET "H PROGR #
RBM*	Program Mode-Critical = ON
RBU*	Left Display - Program Mode-Critical = ON Right Display - Program Mode
RMM*	Program Mode-Critical = ON
SAR*	Program Mode-Critical = ON
SEP*	Program Mode-Critical = ON
SEQ*	Program Mode-Critical = ON
SET*	Program Mode-Critical = ON
SMX*	Mode Programa-Critico = EN
SPN	INTR. DIR O # PROG.
SPP	Enter Dir or Program #
STD	Enter Dir or Program #
STM*	Program Mode-Critical = ON
WBG*	Left Display - Meter 1 Directories Right Display - < Select Directories

Note: * Refer to appropriate Operator Guide for steps to get to the "Enter Dir or Program #" display.

17. Press “9” “9” “5” (“Enter Dir or Program 995” will be displayed).
18. Press “ENTER” (“995 Invalid Program Code” will be displayed).
19. Press “ENTER” (“Initializing” will be displayed, then the display will blank).
20. The display will go through a power-up sequence upon completing the Initializing Procedure. At the conclusion of this sequence, the Ready Mode should be displayed “Smith Ready 12:00:00” alternating with “DA Alarm -See Manager” being displayed. If this is not displayed, contact Smith Field Service department for assistance.
21. Reprogram the AccuLoad II.
Note: *Program Enable Switch, Weights and Measures Switch, and jumpers on TP9 and TP10 must be in place for reprogramming.*
22. Record program data for future reference.
23. Power down the AccuLoad II.
24. Remove the front cover screws and open the front cover.
25. Remove the jumper between TP9 and TP10.
26. Replace the barrier plate and secure it into place with the six screws removed earlier.
27. Close the front cover taking care not to pinch any of the internal cables.
28. Secure the front cover completely.
29. Power up the AccuLoad II.
30. Clear all alarms.
31. Return old Proms to:
Smith Meter Parts Operation
1602 Wagner Avenue
Erie, PA 16510-1444
Attention: Electronic Repair Center
32. Reference the shipping order and RMA number on the return package for expedient processing.
Note: *Please note that the version of software currently being used in the AccuLoad II will determine the number of proms that will be supplied when replacement proms are ordered.*

Software Designation	Number of Proms	Location
FCP	4	U8, U9, U10 & U11
GRK	3	U8, U9 & U11
RBM ²	3	U8, U9 & U11
RBU	4	U8, U9, U10 & U11
RMM ²	3	U8, U9 & U11
SAR	4	U8, U9, U10 & U11
SEP	4	U8, U9, U10 & U11
SEQ	4	U8, U9, U10 & U11
SET	3	U8, U9 & U11
SMX	4	U8, U9, U10 & U11
SPN	3	U8, U9 & U11
SPP	3	U8, U9 & U11
STD	3	U8, U9, & U11
STM ²	3	U8, U9, & U11
WBG	3	U8, U9 & U11

- Note:** 1. See Figure 2 for location of proms on the computer board.
2. 1 Meg proms (32 pin sockets).

ACM Installation (Replacement)

1. Power down the AccuLoad II.
2. Remove the AccuLoad II front cover screws.
3. Open the front cover.
4. Locate the ACM Module (See Figure 2).
5. Loosen the retaining screw.
6. Unplug the ACM Module from the board.

7. Plug the new ACM Module into the board.
8. Tighten the retaining screw that was removed above.
9. Close the front cover taking care not to pinch any of the internal cables.
10. Secure the front cover completely.
11. Power up the AccuLoad II.
12. Clear all alarms.
13. When an ACM is installed with different options, programming changes may be required.
14. Return old ACM Module to:
Smith Meter Parts Operation
1602 Wagner Avenue
Erie, PA 16510-1444
Attention: Electronic Repair Center
15. Reference the shipping order and RMA number on the return package for expedient processing.

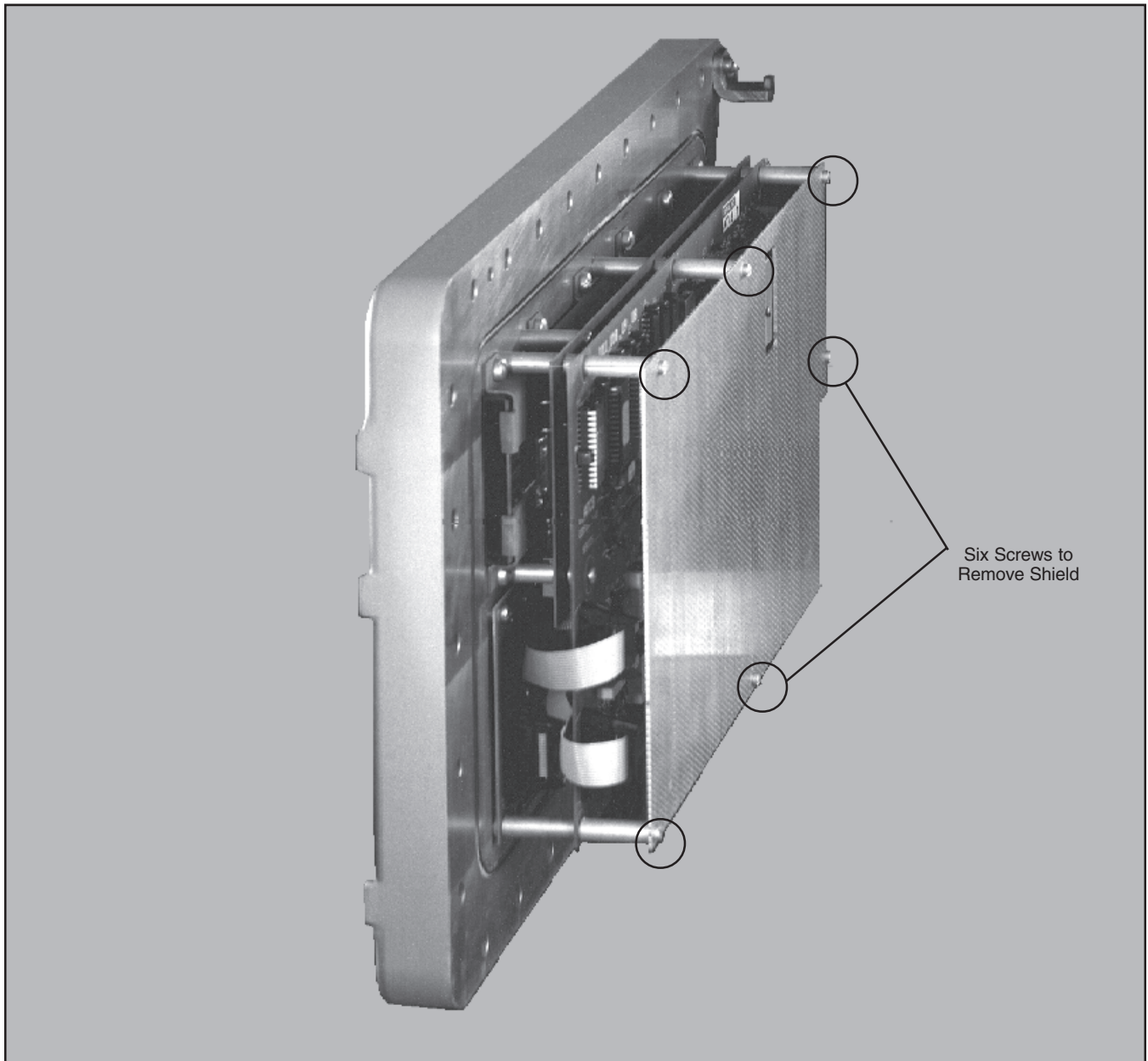
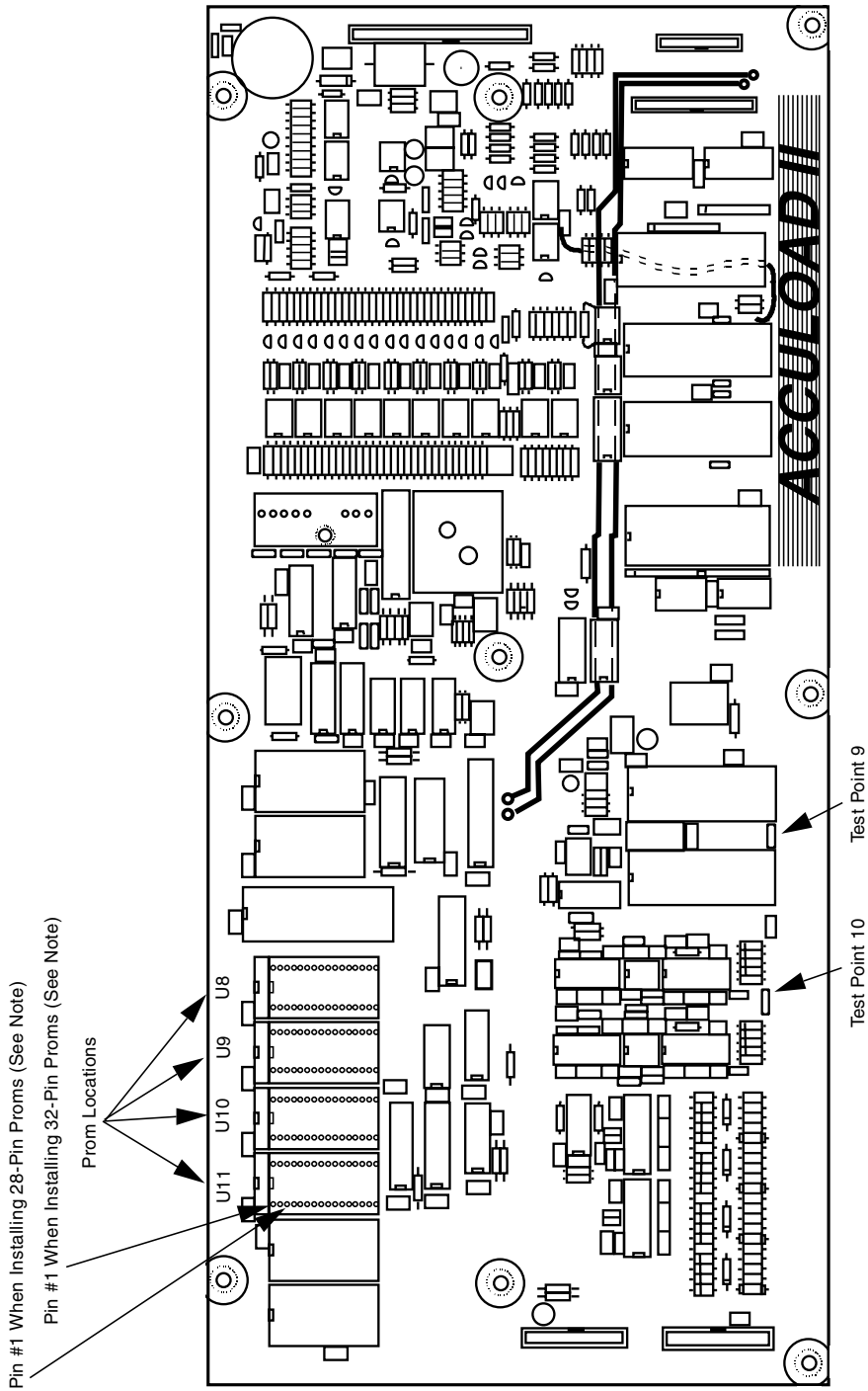


Figure 1—Barrier Plate



Note: Prom Sockets may be either 28-pin or 32-pin. Note the location of Pin 1 when installing 28-pin proms.

Figure 2—Computer Board

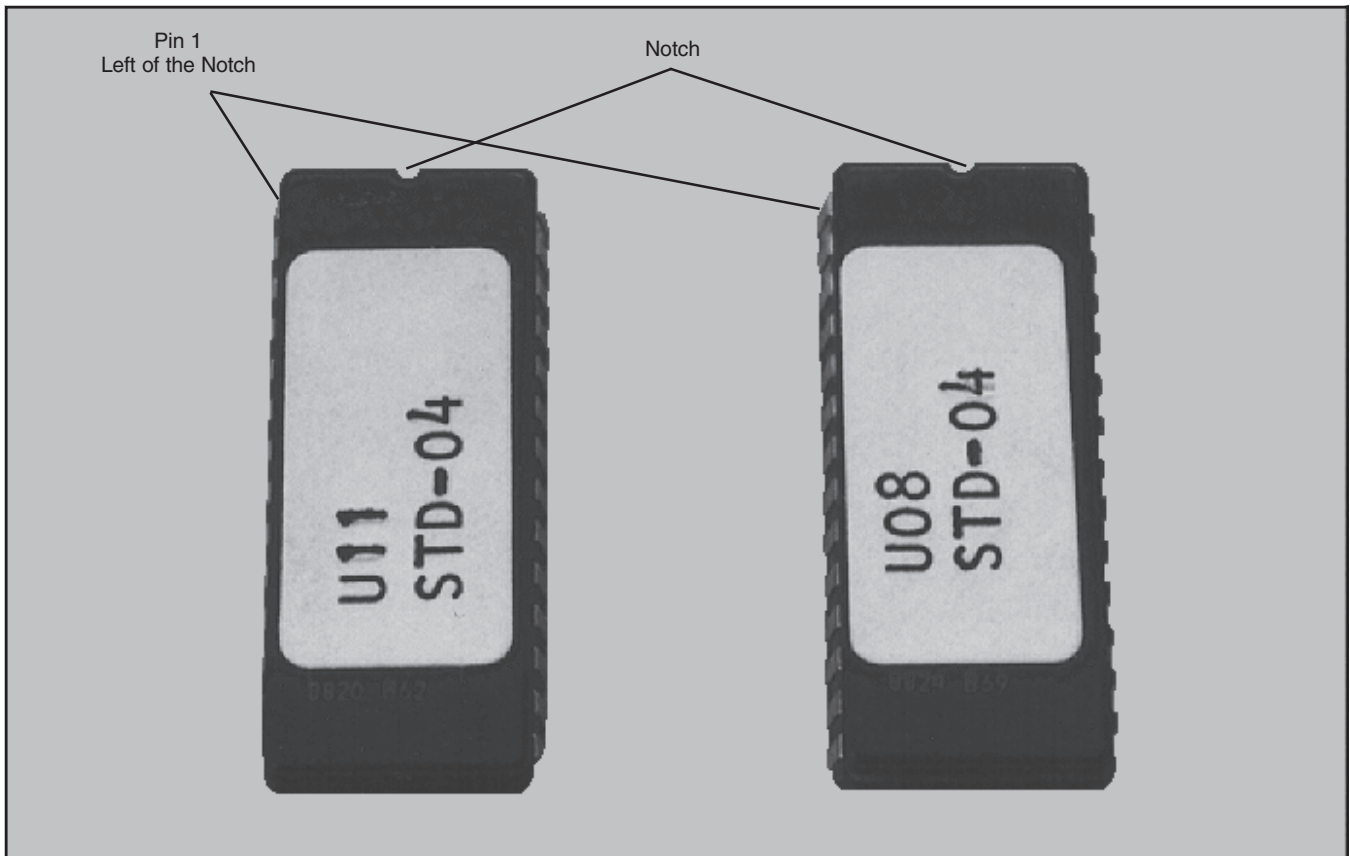


Figure 3—Proms

Related Publications

The following literature can be obtained from the FMC Technologies Measurement Solutions, Inc. Literature Fulfillment at johno@gorhs.com or online at www.fmctechnologies.com/measurementsolutions. When requesting literature from Literature Fulfillment, please reference the appropriate bulletin number and title.

AccuLoad II-FCP

Specifications	Bulletin SS06021
Installation	Bulletin MN06097L
Operator Guide	Bulletin MN06094L
Operator Reference	Bulletin MN06095L
Programming Workbook	Bulletin AB06042
Communications	Bulletin MN06096L

AccuLoad II-GRK

Specifications	Bulletin SS06012
Installation	Bulletin MN06037
Operator Guide	Bulletin MN06062
Operator Reference	Bulletin MN06063L
Programming Workbook	Bulletin AB06033
Communications	Bulletin MN06040L

AccuLoad II-RBM

Specifications	Bulletin SS06023
Installation	Bulletin MN06089
Operator Guide	Bulletin MN06090
Operator Reference	Bulletin MN06091L
Programming Workbook	Bulletin AB06041
Communications	Bulletin MN06093L

AccuLoad II-RBU

Specifications Bulletin SS06017
Installation Bulletin MN06064
Operator Guide Bulletin MN06065
Operator Reference Bulletin MN06066L
Programming Workbook Bulletin AB06034
Communications Bulletin MN06069L

AccuLoad II-RMM

Specifications Bulletin SS06024L
Programming Workbook Bulletin AB06041
Programming Workbook Addendum Bulletin AB06041A1
Installation Bulletin MN06089
Installation Addendum Bulletin MN06089A1
Operator Guide Bulletin MN06090
Operator Guide Addendum Bulletin MN06090A1
Operator Reference Bulletin MN06091L
Operator Reference Addendum Bulletin MN06091LA1
Communications Bulletin MN06093L
Communications Addendum Bulletin MN06093LA1

AccuLoad II-SAR

Specifications Bulletin SS06014
Installation Bulletin MN06037
Operator Guide Bulletin MN06084
Operator Reference Bulletin MN06085L
Programming Workbook Bulletin AB06039
Communications Bulletin MN06055L

AccuLoad II-SEP

Specifications Bulletin SS06014
Installation Bulletin MN06037
Operator Guide Bulletin MN06080L
Operator Reference Bulletin MN06079L
Programming Workbook Bulletin AB06037L
Communications Bulletin MN06081L

AccuLoad II-SEQ

Specifications Bulletin SS06014
Installation Bulletin MN06037
Operator Guide Bulletin MN06053
Operator Reference Bulletin MN06054L
Programming Workbook Bulletin AB06030
Communications Bulletin MN06055L

AccuLoad II-SET

Specifications Bulletin SS06014
Installation Bulletin MN06037
Operator Guide Bulletin MN06053
Operator Guide Addendum Bulletin MN06053A1
Operator Reference Bulletin MN06054L
Operator Reference Addendum Bulletin MN06054LA1
Programming Workbook Bulletin AB06030
Programming Workbook Addendum Bulletin AB06030A1
Communications Bulletin MN06055L

AccuLoad II-SMX

Specifications Bulletin SS06014
Installation Bulletin MN06037
Operator Guide Bulletin MN06082L
Operator Reference Bulletin MN06083L
Programming Workbook Bulletin AB06038L
Communications Bulletin MN06081L

AccuLoad II-SPN

Specifications	Bulletin SS06012
Installation	Bulletin MN06037
Operator Guide	Bulletin MN06056
Operator Reference	Bulletin MN06057L
Programming Workbook	Bulletin AB06031
Communications	Bulletin MN06040L

AccuLoad II-SPP

Specifications	Bulletin SS06012
Installation	Bulletin MN06037
Operator Guide	Bulletin MN06041
Operator Reference	Bulletin MN06050L
Operator Reference Addendum	Bulletin MN06050LA1
Programming Workbook	Bulletin AB06029
Programming Workbook Addendum	Bulletin AB06029A1
Communications	Bulletin MN06040L

AccuLoad II-STD

Specifications	Bulletin SS06012
Installation	Bulletin MN06037
Operator Guide	Bulletin MN06041
Operator Reference (Release 1)	Bulletin MN06038L
Operator Reference (Release 2)	Bulletin MN06050L
Program Worksheet (Release 1)	Bulletin AB06023L
Program Worksheet (Release 2)	Bulletin AB06029
Communications	Bulletin MN06040L

AccuLoad II-STM

Specifications	Bulletin SS06022
Installation	Bulletin MN06086
Operator Guide	Bulletin MN06087
Operator Reference	Bulletin MN06088
Programming Workbook	Bulletin AB06040
Communications	Bulletin MN06092L

AccuLoad II-WBG

Specifications	Bulletin SS06013
Installation	Bulletin MN06037
Operator Guide	Bulletin MN06045
Operator Reference	Bulletin MN06046L
Programming Workbook	Bulletin AB06028
Communications	Bulletin MN06051L

Revisions included in MN06049 Issue/Rev. 0.3 (10/95):

Added information regarding prom replacement and available literature on FCP, RBM, RMM, SAR, SEP, SMX, and STM versions of software.

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

Headquarters:

1803 Gears Road, Houston, TX 77067 USA, Phone: 281/260-2190, Fax: 281/260-2191

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