PN# 100174-xx
CENTRON Meter Interface
Final Assembly Procedures

Document 8000174-60-01

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Revisions

1. Initial Draft - July 22, 2002
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1. SCOPE

This document provides the procedures required to safely and efficiently install the 200174 Centron Meter Interface into the 100174 Schlumberger Centron Meter.

2. REFERENCES

a) AC AMP connector
b) CENTRON 100174-Build Book CD

3. FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiated radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

4. SAFETY PRECAUTIONS

******DANGER******

UNDER NO CIRCUMSTANCES SHOULD INSTALLATION PROCEDURES BE PERFORMED WITH POWER APPLIED TO THE ELECTRIC METER. ENSURE THAT POWER IS REMOVED PRIOR TO BEGINNING THE FOLLOWING PROCEDURES.

5. MATERIALS AND TOOLS REQUIRED

5.1 Materials

The following materials are required to enable completion of the installation process:

a) 1 Each AC Kilowatt Meter (110174)
b) 1 Each CENTRON Meter Interface Circuit Board Assembly (200174)
c) 1 Each AMP connector, used between metrology and OEM module (640122)
d) 1 Each AC Meter plastic internal cover (110174-1)
e) 1 Each Polycarbonate cover (110174-2)
f) 1 Each Meter Base Housing (110174-120/240)
g) 1 Each LCD Glass (512834)
h) 1 Each LCD Bezel (512832)
i) 1 Each Elastomer (512833)
j) 1 Each StatSignal serial number sticker (999100)
k) 1 Each FCC identification label (999174)
l) 1 Each Tamper Seal (999110)
m)

5.2 Tools

The following tools are required to enable completion of the installation process:

a) Needle-nose pliers - for removing the tab from the meter bottom before removing the cover of a brand new meter.

6. PROCEDURES

6.1 Preparation

Prior to beginning the following procedures, the operator must be grounded to avoid electrostatic discharge.

Place the meter on the fixture, facing backward (the serial number and display should be readable from the operator point of view). Remove the glass (or plastic) cover (110174-2) from the CENTRON Meter Base Housing (110174-120/240) turning clockwise, and proceed as follows.

******NOTE******

If the meters are brand new, the operator will have to break off the tab located at the bottom of the meter using the Needle-nose pliers, before removing the cover.

6.2 CENTRON Meter Interface (200174) Installation

a) Remove one meter Circuit Board Assembly (200174) from the package/assembly line and write down/scan into a table the serial number of the circuit board assembly 200174 next to the meter serial number which can also be scanned.

b) Press side tabs of internal cover (11074-1) and apply pressure until the cover can be removed.

c) Assembly the Bezel(512832), the Elastomer (512833) and the LCD Glass (512834) by holding the Bezel (512832) face down and inserting the LCD glass(512834), holding it with the manufacturer part number facing up, in a 45° angle. Push the LCD glass (512834) down into the slot at the bottom of the Bezel (512832). Snap into place.

d) Insert the elastomer (512833) into the bottom slot of the bezel.

e) Snap the bezel assembly to the 200174 board assembly by inserting the top two hooks first. Push the bezel assembly down and snap bottom hooks into place, making sure that the alignment pin also comes through the board.

f) Snap the 200174 interface board into the meter brackets making sure all snaps are locked in place.

g) Connect the AMP plug (640122) onto the 200174 interface board.

h) Connect opposite end of AMP plug (640122) to meter base metrology board.

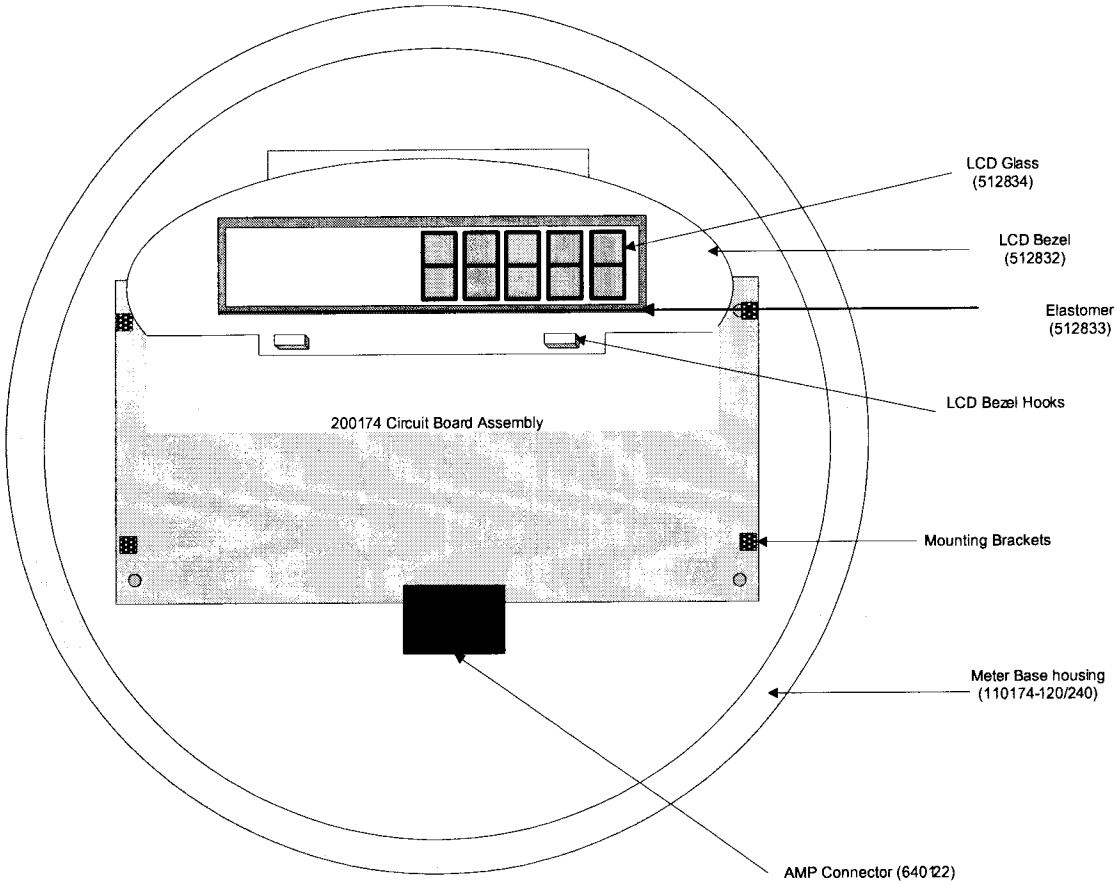
i) Replace inner cover (110174-1).

j) Apply StatSignal serial number sticker to

cover (999100).

k) Apply FCC identification label to side of cover (999174).

Figure 6-1 2000174 CENTRON Meter Interface Installation



******NOTE******

CENTRON Meter Interface 200174 Circuit Board Assembly is installed on the 110174 CENTRON Meter Base with the components facing inward to the Meter. In other words, the non-component side faces outward.

6.5 Post Installation

a) Visually inspect the CENTRON Meter Circuit Board Assembly installation to ensure procedure completion and to ensure that no damage has occurred to the Circuit Board

Assembly components.

b) Inspect to make sure the board labels are in place

c) Reinstall the glass/plastic (110174-1) cover to the Electric Meter Base (110174-120/240) housing.

d) Install the Tamper Seal (999110) to the Meter Base Housing (110174-120/240) to complete the 100174 meter.