2.4 Monitor Firmware Identification

Part numbers for SDI/DDI monitor firmware are shown in **Table 3** below. Firmware resides in either an EPROM or in the microprocessor ROM.

- The 3300/90 Diagnostic Instrument and the 3300/60 Vector Monitor are not supported by SDI/DDI.

- The original firmware in the 3300/17, 3300/36, 3300/39, 3300/40, 3300/52, 3300/53, 3300/54, 3300/75, 3300/80, 3300/81, 3300/85, and 3300/95 monitors is SDI/DDI compatible.

Table 3

Firmware Part Numbers for Individual Monitors[2]

Monitor Number	SDI/DDI Compatible EPROM Part Number	SDI/DDI Compatible Single-chip Microprocessor Part Number
3300/15	N/A	104044-01
3300/16	N/A	00800119 or 143972-01
3300/20	N/A	00800120 or 161667-01
3300/25	N/A	104044-02
3300/26	N/A	104044-03
3300/30[1]	89809-01	142591-01
3300/35[1]	89818-01	142592-01
3300/45[1]	89836-01	142783-01
3300/46[1]	89845-01	142784-01
3300/47[1]	89854-01	142785-01
3300/48[1]	89863-01	142786-01
3300/50-XX	89872-01	104046-XX
3300/55	N/A	104044-04
3300/61	89890-01	N/A
3300/65[1]	89899-01	142637-01
3300/70	N/A	104044-05

ALL revisions of above mentioned EPROM and microprocessor numbers are SDI/DDI compatible.

N/A = SDI/DDI compatible firmware not available in specified format.

NOTE:

1. These monitors were changed from EPROM to single-chip microprocessor formats. There were NO changes to the firmware in these monitors – only hardware changes. Either the EPROM or microprocessor listed are SDI/DDI compatible.
2. See Appendix B for the list of firmware upgrade kit part numbers for the individual monitors.

Firmware in the 3300/61 Dual Vector Monitor

The firmware for the 3300/61 Dual Vector Monitor is located in an EPROM on the main circuit board as shown in **Figure 11**.

Only the firmware in **Table 3** is SDI/DDI compatible. See Appendix B for the firmware upgrade kit Part Number.

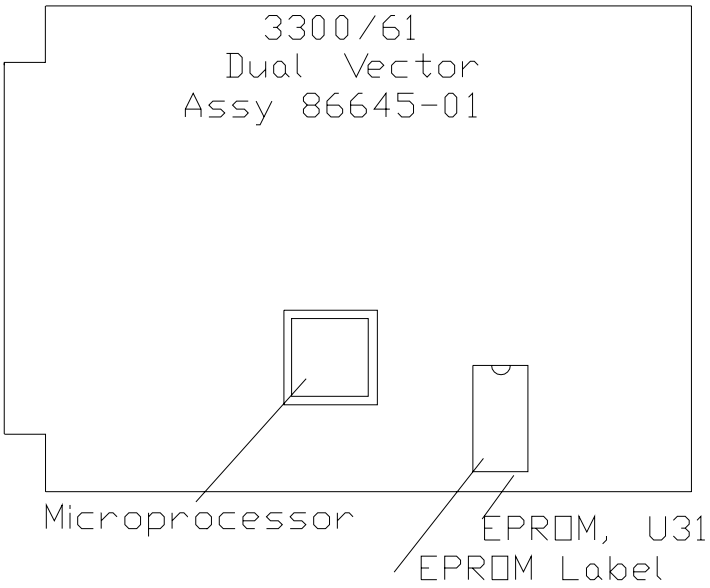


Figure 11
EPROM Location on 3300/61

- If the individual monitor firmware is not SDI/DDI-compatible and you plan to use either internal SDI/DDI communications (through a 3300/02, 3300/03-02 or -03 System Monitor), or an external SDI/DDI-compatible comm processor (SDIX/DDIX, TDIX, or TDXnet™ CP) with your 3300 system, then you must contact your Bently Nevada representative to order firmware upgrade kits.

5. Appendix B

5.1 Firmware Upgrade Kit Part Numbers

To upgrade to an SDI/DDI compatible monitor

Monitor or Communication Processor Part Number	**Firmware Upgrade Kit Part Number**
3300/15 Dual Vibration Monitor	104535-01
3300/16 Dual Vibration w/Gap Monitor	104535-02
3300/20 Dual Thrust Position Monitor	104535-03
3300/25 Dual Accelerometer Monitor	104535-04
3300/26 Dual Accelerometer RMS Monitor	104535-05
3300/30 Six-channel Thermocouple Input Temperature Monitor	104535-06
3300/35 Six-channel RTD Input Temperature Monitor	104535-07
3300/45 Dual Differential Expansion Monitor	104535-08
3300/46 Ramp Differential Expansion Monitor	104535-09
3300/47 Complementary Input Differential Expansion Monitor	104535-10
3300/48 Case Expansion Monitor	104535-11
3300/50-01 Dual Setpoint Tachometer	104535-12
3300/50-02 Zero Speed Tachometer	104535-17
3300/50-03 Rotor Acceleration Tachometer	104535-18
3300/55 Dual Velocity Monitor	104535-13
3300/61 Dual Vector Monitor	104535-14
3300/65 Dual Probe Monitor	104535-15
3300/70 Dual Valve Position Indicator	104535-16

Note: The original firmware in the 3300/17, 3300/36, 3300/39, 3300/40, 3300/52, 3300/53, 3300/54, 3300/75, 3300/80, 3300/81, 3300/85, and 3300/95 monitors is SDI/DDI compatible.