



150 Clayton Commerce Center
Clayton, North Carolina 27520
919-553-2995 (Voice) 919-553-0437 (Fax)

SERVICE BULLETIN 004 FOR SYSTEM 3000D EAS

July 7, 1997

Scope: Service Bulletin Number 004 covers the following:

- (A). Makes notice of Software Update to V1.4
- (B). Makes notice of ECO 001 for Receiver Motherboard.
- (C). Makes notice of ECO 002 for FM Receiver modules.
- (D). Makes notice of ECO 003 for I/O Assembly.
- (F). Makes notice of ECO 004 for Decoder Assembly
- (E). Makes notice of addendum to Operation section of the manual.
- (G). Makes notice of availability of NOAA pre-amp/pre-selector product.

Discussion

- (A). Software upgrade to V1.4 provides the following new features:
 - 1. Duplicate FIPS handling.
 - 2. State Sub-division decoding.
 - 3. Sub-county encoding and decoding.
 - 4. Single button Required Weekly Test.
 - 5. Enables Remote RWT input.
 - 6. Significant improvement to decoding noisy and phase modulated EAS inputs (NOAA).
 - 7. Software Version Identification.
 - 8. Enables automatic removal of the NOAA alert tone.

- (B). ECO 001 Receiver Motherboard 4800-600
This ECO changes the value of R34, R50, and R68, from 1.2 K to 10K. This change makes the audio present display work correctly for Channels 1 through 3 for low audio levels. No functionality other than the display is changed.

- (C). ECO 002 for FM Receiver Modules 4800-400
This ECO changes the value of R11 from 1K to 3.3K and R12 from 3.3K to 1.6K. This change increases sensitivity of the FM receiver by a small amount, and increases the stability of the front-end of the receiver. Recommended for all systems that use a single FM antenna for multiple receivers.

- (D). ECO 003 for I/O Assembly 4800-200
This ECO changes the value of R20 from 12K to 11.3K (1%) and R31 from 240K to 390K. This change reduces the tone detect threshold for the NOAA priority alert tone

to a level that is compatible with all NOAA stations. This change is recommended for all systems that use a NOAA receiver.

(E). ECO 004 for Decoder Assembly 4800-100

This ECO changes the value of R26 from 200K to 100K. This change makes the audio present indicator for Channel 4 work correctly for low audio input levels.

This change is recommended for all units that are using the Channel 4 input.

(F). Addendum to Operation Section of Manual

In Section 4: Operation Setup Menu, page 17. A note is added at the ENTER FIPS menu as follows: Enter the FIPS code, dropping the leading zero. Example: if your FIPS code is 037163 enter 37163.

On page 18, ADD FIPS MENU, the note above is added again.

In Section 4: Originating EAS Events, page 21. A new paragraph is added concerning sending the Required Weekly Test RWT as follows:

To send the Required Weekly Test (RWT) from the front panel: Press ESC to clear the last event received. Now press F1 (RWT). The RWT is sent immediately. The RWT may also be sent from the rear panel /SEND RWT input, at any time.

In Section 4: Originating EAS Events, page 22. The following instructions are added at SELECT LOCATION MENU.

Selecting ALL will enable all counties that were selected in the LOCATIONS MENU.
To

select other areas: Use the UP and DOWN arrows to select the county. When the county FIPS is displayed, press 0 to select the entire county, or the number for the county sub-division you wish to select. Note that a + precedes the FIPS when the FIPS is added. Pressing ENT removes the displayed FIPS from this event.

In Section 4, page 25, a new sub-section is added as follows:

Software Version Identification

To display the version number of the installed software, Press ENT.

The software version is displayed as VX.X.

Factory Updates

Factory installation of ECOs and software upgrade is available at no charge as long as shipping and insurance costs both to and from the factory is provided by the customer. Factory service for SB004 includes a new front panel overlay !!! A Return Material Authorization (RMA) is required. Call the factory at 919-553-2995 and request an RMA, and reference SB004. Carefully pack the unit (just the unit...no other accessories) in the original shipping carton. We urge you to ship Federal Express.

UPS has destroyed 98% of all System 3000Ds shipped through them. **Federal Express has a perfect record** with no damage to any unit! MTS will not be liable for any damage occurring in transit to or from the factory.