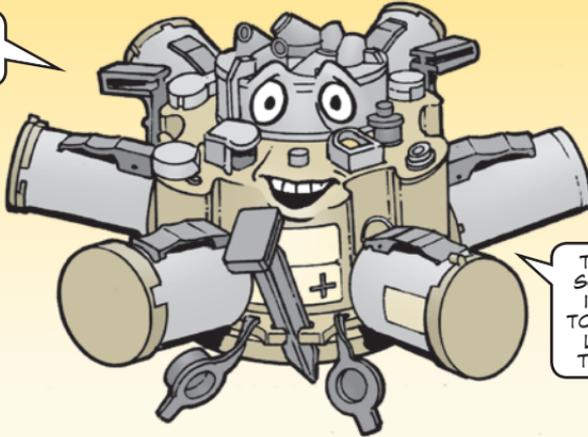


NEW SOFTWARE PREVENTS STERILIZATION

STERILIZATION
VERSUS
ZEROIZATION?
NO CONTEST!



THIS NEW
SOFTWARE
IS GOING
TO SAVE ME
LOTS OF
TROUBLE!

The M7 Spider munition dispensing set, NSN 1230-01-536-0128, has new operating software that lets operators prevent sterilization of the munition control unit (MCU) after a tamper event. Before, the MCU had to be replaced by the ammunition supply point after a tamper event.

A tamper event occurs when the MCU detects a tilt or other motion, movement of the power switch, or removal of critical components like the munition or battery cover.

Here's how the new software affects the MCU response:

Tamper type	Old MCU (TS04) Action	New MCU (TS09) Action
Power switch movement	15-minute delay sterilize	15-minute delay. Disable timer begins count-down to zeroization once in sense mode
Tilt (motion)	15-minute delay sterilize	15-minute delay. Disable timer begins count-down to zeroization once in sense mode
Removal of critical components	Sterilize immediately	15-minute delay. Disable timer begins count-down to zeroization once in sense mode

What's the difference between sterilization and zeroization? Sterilization is the immediate destruction of system crypto, COMSEC, TRANSEC, hope set and message authentication key variables, followed by the arming fuse being blown and the batteries drained. Once that happens, the MCU has to go to depot to be reworked.

Zeroization, on the other hand, wipes out the same key variables, but once the MCU batteries are removed and reinserted, the MCU is back in business. No trip to depot is necessary.