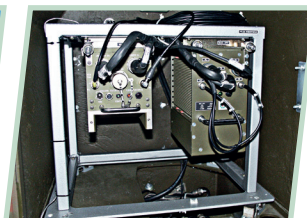
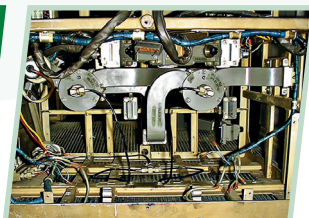
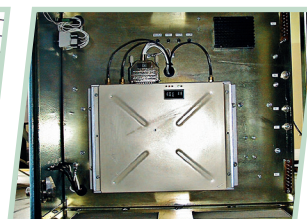


UPGRADE OF THE 2K11 KRUG (SA-4) ANTI-AIRCRAFT MISSILE SYSTEM



EFFECTS OF UPGRADE

- » Increased resistance to passive and active interference.
- » Increased detection of low RCS targets.
- » Application of IFF target identification system in the Mark XII Mode 4 standard.
- » Application of advanced parts allowing the supply of replacement parts necessary for normal operations (digital systems of large scale of integration, integrated analogue systems, powerful semiconductor systems, etc.).
- » Application of a modern long-range television imager (consisting of a highly sensitive CCD camera and a computer-controlled LCD indicator) improving passive tracking of the target and radio electronic camouflage.
- » Reduced failure frequency of the equipment due to the application of highly reliable upgraded blocks and systems.
- » Elimination of time-consuming procedures of adjustments and tuning for all upgraded systems.
- » Introduction of advanced techniques and algorithms for digital data processing.

RANGE OF UPGRADE

- » Upgrade of The 1S32M Reconnaissance and Missile Guiding Station.
- » Upgrade of The 2P24M Mobile Launcher.

UPGRADE OF THE 2K11 KRUG (SA-4) ANTI-AIRCRAFT MISSILE SYSTEM

RANGE OF UPGRADE

Digital indicators
On-board computer



IFF Antenna

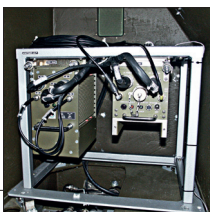
Long-range thermovision
and day/night TV cameras



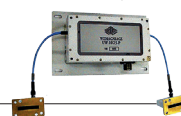
Long-range thermovision
and day/night TV cameras
Eye-safe laser rangefinder



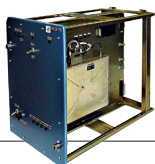
Interrogator
and Cryptographic Computer
Mark XII mod 4, NSM,
UPGRADE mod 5 i mod S



Semiconductor
microwaves amplifiers



Digital moving target
indicator system



High voltage semiconductor
power suppliers



Interface unit

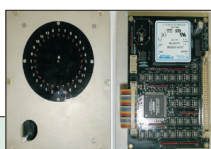
Semiconductor amplifiers
of the scaler



Coder block
of large scale of integration



BAUN digital system
of large scale of integration



Synchronizer block
of large scale of integration

