

DIGITAL TER-9/A

- Digital upgrade for the TER-9A (Go-Fast & Go-Slow)
- Utilizes a USAF-certified Electronic Control Unit (ECU)
- Improved reliability and safety
- Improved maintainability
- Upgrade can be performed at Marvin Engineering or in-country
- Compatible with existing test and support equipment



DESCRIPTION

The TER-9A is a triple ejector rack used on the F-16 and A-10 aircraft for carriage and release of up to three 250lb, 500lb, or 1000lb weapons stores. With over 30 years of deployment, the analog TER-9A has several known reliability, maintainability, and safety issues. The Marvin Group has developed and qualified a digital upgrade to the TER-9A that addresses these issues and delivers a high-reliability, safe and easily maintained triple ejector rack.

The digital upgrade is compatible with both the Go-Fast and Go-Slow variants of the TER-9A and can be performed at our Marvin Engineering Plant in California or purchased as a kit and performed by the customer in-country following a short training session. When performed by Marvin Engineering, the TER-9A rack is refurbished and is provided with a 12 month warranty. The rack can also be provided with radar absorbent coating.

BENEFITS

The Digital TER-9A is a high performance product that reduces TER-9A maintenance while improving safety and reliability. The digital upgrade is compatible with all F-16 and A-10 aircraft blocks and does not require any additional certification. The digital upgrade is also compatible with the Go-Fast (supersonic) and Go-Slow configurations of the TER-9A.

The analog TER utilizes outdated technology consisting of a hardwired electro-mechanical stepper switch with analog contacts and relays. As a result, aircraft command pulses are sometimes faster than the response time of the analog stepper which could possibly result in inadvertent releases. The upgrade from analog to digital yields a faster, more reliable ejector rack that provides increased performance, safety, and maintainability for the F-16 aircraft fleet. Because of these benefits, the United States Air Force is currently upgrading all analog TER's to the new digital TER configuration.

TEST AND SUPPORT EQUIPMENT

The TER-9A digital upgrade is fully compatible with existing test and support equipment such as the SERD 75500 and SERD 75501. The Marvin Group can also furnish new state-of-the-art test equipment for depot-level (TS-201T), I-level (MTS-209), and O-level (MTS-3060) test capability.



MTS-3060
SmartCan™



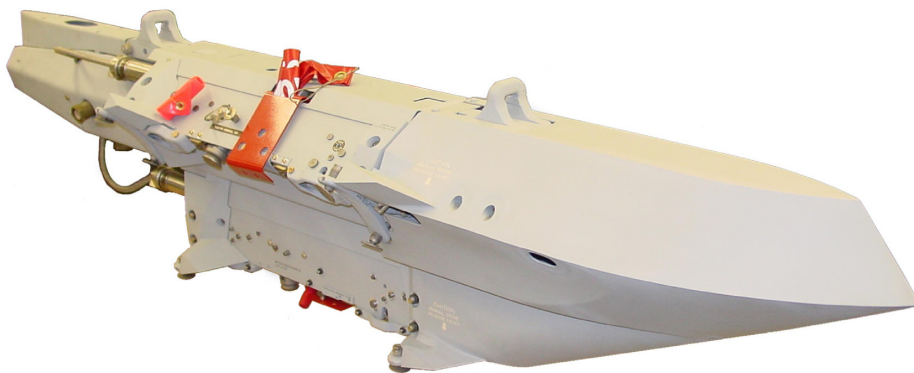
MTS-209



TS-201T



DIGITAL TER-9/A



(High Speed) Triple Ejector Rack

Three position carriage system providing weapons carriage and release from a single aircraft pylon

Parameter	Details
Length	67 inches
Width	15 inches
Height	16 inches
Weight	105 lbs
Platform Integration	F-16, A-10 and other similar platforms

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