

Chapter 5

Rigging the Improved Target Acquisition System (ITAS) in M1121 HMMWV Truck for Low-velocity Airdrop

DESCRIPTION OF LOAD

5-1. The ITAS is an aiming system for the TOW missile. Another aiming system is shown in Chapter 6. The ITAS consists of the Fire Control Subsystem (FCS), Traversing Unit (TU), Target Acquisition Subsystem (TAS), and Battery Power Source (BPS). Rig the ITAS in the M1121 or M966 HMMWV truck as shown in this chapter. Use FM 10-517/TO 13C7-1-111 to rig the truck on a 16-foot, type V airdrop platform.

PREPARING PLATFORM, HONEYCOMB, AND TRUCK

- 5-2. Prepare the platform, three honeycomb stacks, and the M966 or M1211 truck as shown in Chapters 2 and 3 of FM 10-517/TO 13C7-1-111.
- a. Inspect, assemble, and install clevises on a 16-foot, type V airdrop platform according to TM 10-1670-268-20&P/TO 13C7-52-22, and as shown in Figure 2-2, FM 10-517/TO 13C7-1-111.
 - b. Prepare three honeycomb stacks as shown in Figures 2-3 and 2-4, FM 10-517/TO 13C7-1-111.
 - c. Prepare the truck as shown in Figures 3-2 and 3-3, FM 10-517/TO 13C7-1-111.

RIGGING ITAS IN HMMWV TRUCK

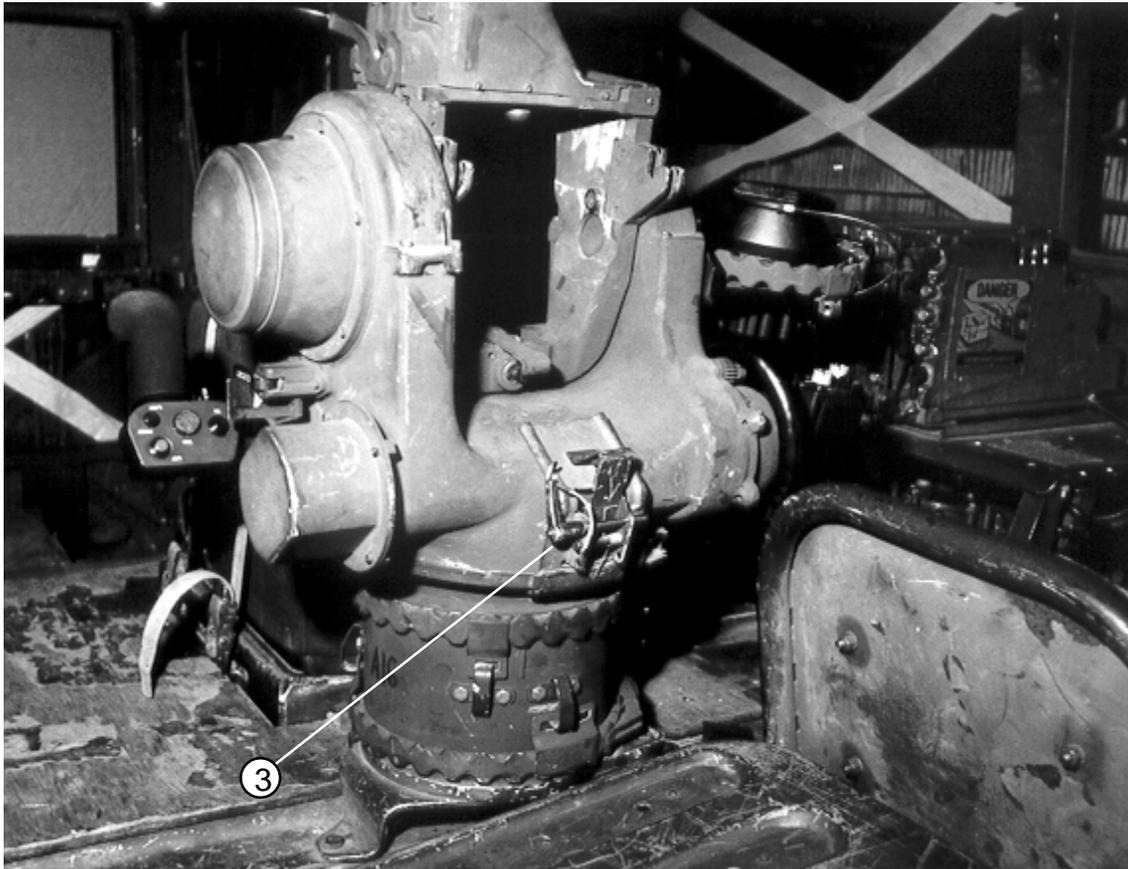
- 5-3. Rig the components of the ITAS in the truck as shown in Figure 5-1.

COMPLETING THE LOAD

- 5-4. Finish rigging the M966 or M1121 HMMWV truck as shown in Chapter 3, FM 10-517/ TO 13C7-1-111.

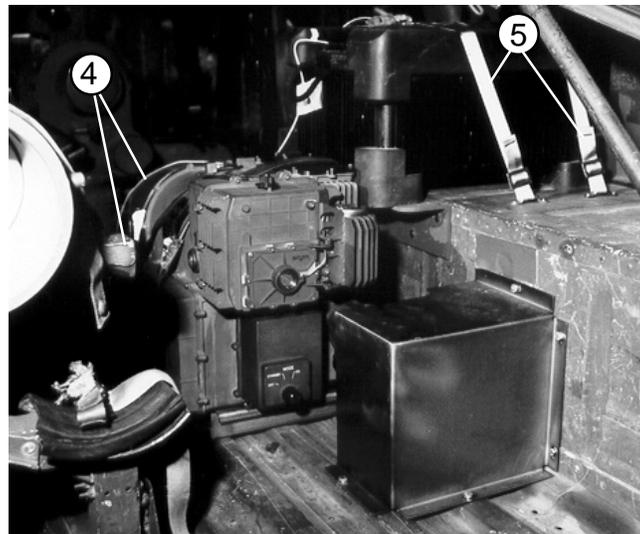
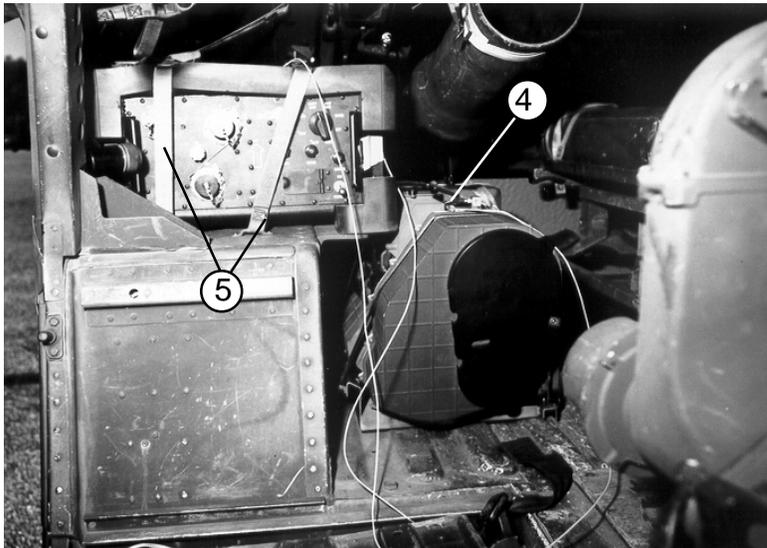


Figure 5-1. ITAS components rigged in truck



- ③ Position the TU in its mounting bracket and secure it with the clips provided.

Figure 5-1. ITAS components rigged in truck (continued)



- ④ Position the TAS into its mounting bracket, being sure that the biocular subassembly fits into its protective housing. Secure the TAS with the two straps provided.
- ⑤ Place the rubber mounts on the BPS. Position it on its mounting bracket, and secure it with the two straps provided.

Figure 5-1. ITAS components rigged in truck (continued)