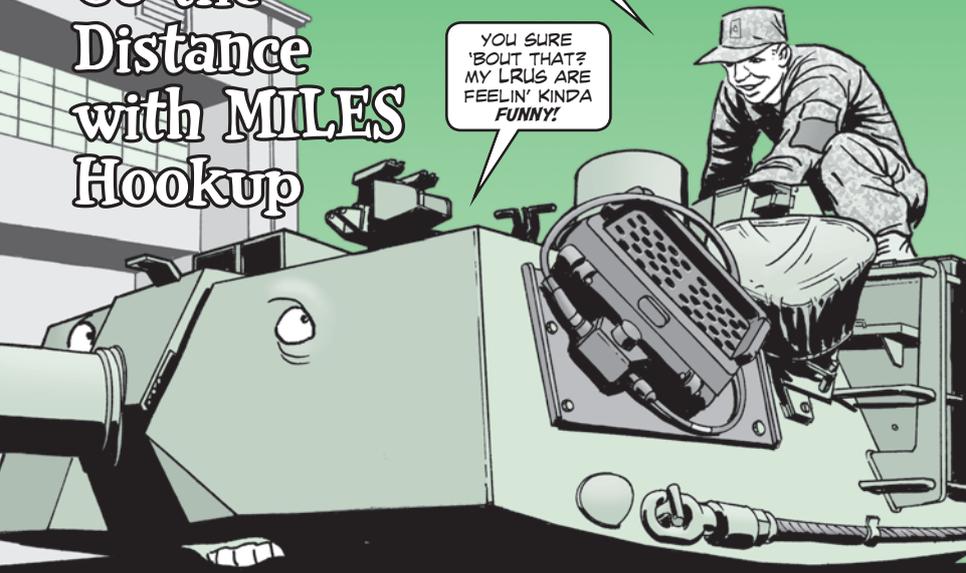


Go the Distance with MILES Hookup

OK! YOUR MILES IS ALL HOOKED UP!!

YOU SURE 'BOUT THAT? MY LRU'S ARE FEELIN' KINDA FUNNY!



TM 9-1265-373-10-1, OPERATOR'S MANUAL FOR MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES), SIMULATOR SYSTEM, FIRING, LASER, MS2, IS BEING UPDATED TO MAKE THE PROCESS CLEARER. UNTIL THEN, FOLLOW THESE INSTRUCTIONS FOR HOOKUP...



M1A1

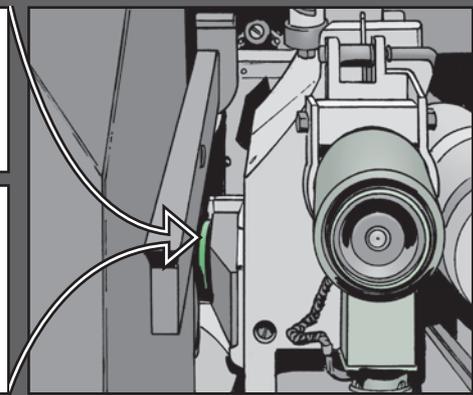
1. Install the MILES tank firing insulator card between the firing contacts on the right side of the main gun breech ring assembly. Without this card, circuit breaker #19 on the turret networks box (TNB) or redesigned turret networks box (RTNB) will trip and disable the firing circuit. Don't forget to remove the card after the tactical exercise is done. The insulator card doesn't have an NSN, so you'll need to make a substitute if it's missing from your MILES kit. Just drill a hole through the edge of a flashlight filter and tie a string to it. Then, insert the filter between the contacts.

Insert card or filter between firing contacts on right side of breech ring assembly

Card

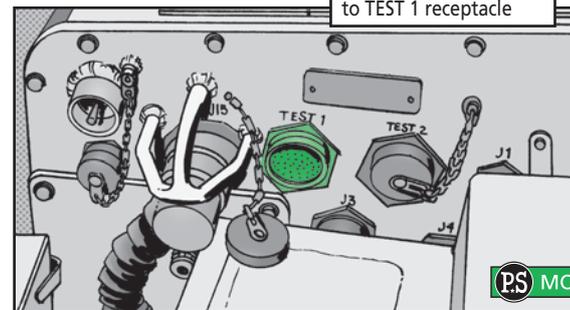
REMOVE BEFORE LIVE FIRE
MILES M1 TANK
TRIGGER RELAY INSULATOR
135970

Filter



2. Connect the MILES trigger cable plug labeled P1 CONTROL CONSOLE J2 to the J2 receptacle on the MILES control console.
3. Route the other end of the cable to the TNB/RTNB.
4. Connect the plug labeled P2-TEST 1 to the TEST 1 receptacle on the TNB or to the TJ1 receptacle on the RTNB.
5. Continue MILES installation from this point following the TM.

Connect P2-TEST 1 plug to TEST 1 receptacle



CREWMEN, HOOK UP THE CABLES FOR YOUR MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (MILES) THE RIGHT WAY.

IF YOU DON'T, THE SYSTEM WON'T WORK AND YOU CAN DAMAGE SOME PRETTY EXPENSIVE EQUIPMENT ON YOUR TANK.



THE **BIGGEST PROBLEM** IS INSTALLATION OF THE MILES TRIGGER CABLE.



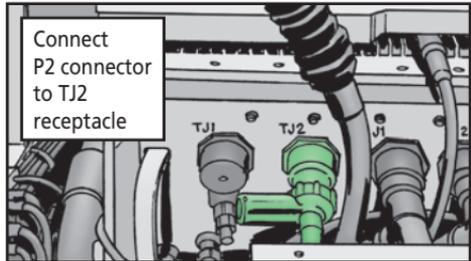
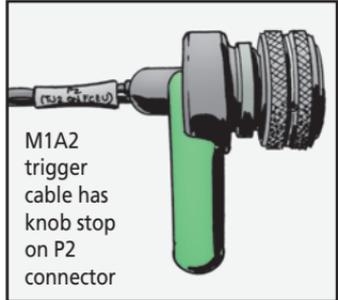
IF IT'S CONNECTED TO THE **WRONG** LINE REPLACEABLE UNIT (LRU) OR TEST JACK, YOU GET **DAMAGE** TO THE IMPROVED FIRE CONTROL ELECTRONICS UNIT (IFCEU), IMPROVED COMMANDER'S ELECTRONICS UNIT (ICEU), IMPROVED MISSION PROCESSOR UNIT (IMPU), OR OTHER FIRE CONTROL COMPONENTS AND SYSTEMS.

M1A2

1. Install the MILES tank firing insulator card (or the replacement flashlight filter) between the firing contacts on the right side of the main gun breech ring assembly. If you forget, the firing circuits inside the fire control electronics unit (FCEU) or IFCEU will be destroyed. Remember to remove the card once the simulation exercise is over.
2. Locate the modified MILES trigger cable. It's the one that has a knob stop that extends from the P2 connector end of the cable. The knob stop keeps you from accidentally plugging the P2 connector into the TJ1 receptacle on the FCEU/IFCEU.

In fact, make sure you never connect the MILES trigger cable to the TJ1 receptacle on **any** LRU, including the turret mission processor unit (TMPU), hull mission processing unit (HMPU), improved hull mission processing unit (IHMPU), commander's electronics unit (CEU), ICEU or commander's independent thermal viewer-electronics unit (CITV-EU). If you do, you'll soon be replacing a damaged LRU.

3. Connect the plug labeled P1 CONTROL CONSOLE J2 to the J2 connector on the MILES control console.
4. Route the other end of the cable to the FCEU/IFCEU. The cable should go around the outside of the ammo/ration box. Make sure it's clear of the ready ammo box, too.
5. Remove the FCEU/IFCEU access cover.
6. Connect the P2 connector to the TJ2 receptacle on the FCEU/IFCEU. You may need to disconnect some other cables to make room. Just be sure you reconnect all of these cables afterward.
7. Reinstall the FCEU/IFCEU cover and continue MILES installation from this point according to the TM.



When You're Done

When you're finished using MILES, don't forget to reattach the connector cover on the TNB/RTNB. Leaving the connector uncovered lets in dirt and moisture that causes corrosion. The next time you hook up your MILES gear, it won't work.

Replace a missing cover with NSN 5935-00-196-6835 for the TNB and NSN 5935-01-092-3042 for the RTNB. These NSNs also bring the cover's metal lanyard.



Questions? Contact TACOM-Rock Island's Michael Fiamé, DSN 793-6745, (309) 782-6745, or by email: michael.a.fiamé.civ@mail.mil

PS END