

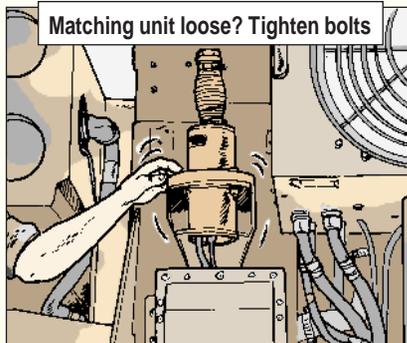
IFF, AMG, ECU/PPU and PM

Dear Editor,

We have a few suggestions for Avenger crews and repairmen to make their lives—and firing—much easier:

- Pay attention to the identification friend or foe (IFF). Check the IFF interconnect box and cables before operations like it says in Item 27 of PMCS Table 2-1 in TM 9-1425-433-10 and test the IFF like it says in Para 2-36 of the -10. If the IFF doesn't work, it deadlines the whole missile system.

- Include the matching unit for the antenna mast guide (AMG) in before-operation PMCS. We've



found the matching unit works loose and moves back and forth during travel, which weakens the antenna's connection and reduces the communication range. Just feel the matching unit for looseness. If necessary, tighten the three bolts holding it on.

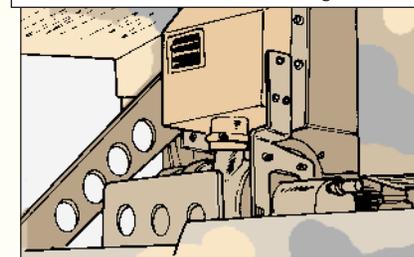
- After you power up the forward looking infrared receiver (FLIR), wait for its READY light to come on before switching from STBY to ON like it says in Step 3 of Para 2-36 of the -10. The FLIR must cool off before you use it, which usually takes 5-7 minutes. If you don't wait for the FLIR to cool, you'll get built-in-test (BIT) faults and have to spend time troubleshooting.

- Service the new environmental control unit/primary power unit (ECU/PPU) every 250 hours of operation. Change its oil and filters and make sure its W103 cable connector is torqued to 95-105 lb-in. The easiest way to track the 250 hours of ECU/PPU usage is by making it part of ULLS for your unit. Just add each Avenger to the equipment data file (AWCMX 001). Maintenance procedures for the ECU/PPU were added to TM 9-1440-433-24-1&2 in Change 7.

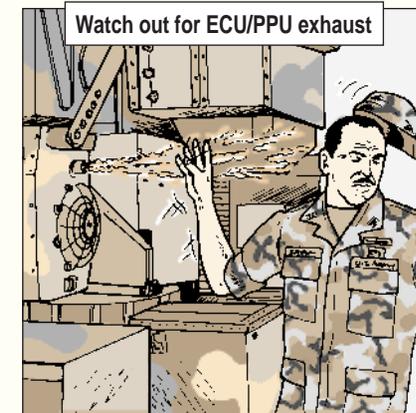
- Before your support uses a crane to remove the ECU/PPU,

remove the Avenger's makeup air filter. There's little clearance for the ECU/PPU. If it's not lifted just right, it breaks off the filter's fan blower.

Remove air filter before removing ECU/PPU



- Be careful working around the Avenger when the ECU/PPU is running. Its hot exhaust shoots out to the side at eye level.



CW2 Corey Jeffries
CW2 John Saam
3/4th ADA
Ft Bragg, NC

