

Tents...

# HOW DRASH BEATS THE HEAT

DRAT! I'VE GIVEN  
IT MY BEST SHOT  
AND I CAN'T MELT  
YOUR EQUIPMENT!

YOU'LL HAVE TO  
DO BETTER THAN  
THAT, SOL!



THE HOT WEATHER IS  
CLOSING IN FAST!

IT'S  
ALREADY  
HERE!

BEFORE YOU  
KNOW IT, YOU'LL  
BE SWEATING OUT  
THE SUMMER'S  
FIRST HEAT WAVE.

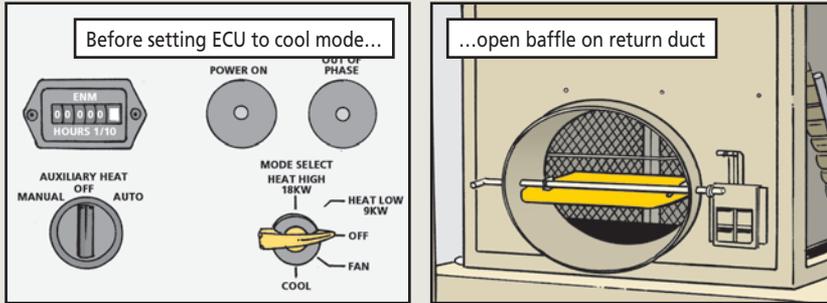
I'M GONNA  
FRY AN  
EGG ON MY  
HELMET!

THAT'S A COOL REASON TO HEED THE FOLLOWING  
ADVICE ABOUT YOUR DEPLOYABLE RAPID ASSEMBLY  
SHELTERS (DRASH®) TRAILER-MOUNTED SUPPORT  
SYSTEM (TMSS) MX MEDIUM SHELTER.

C'MON IN,  
GUYS. GET  
OUTTA THAT  
SCORCHING  
HEAT!

PS MORE

When you operate the environmental control unit (ECU) on COOL mode, open the baffle on the return duct port.



You see, the ECU is always stored or transported with the baffle closed. That helps keep debris out of the return duct and air filters.

The problem comes when some Soldiers run the ECU in COOL mode without opening the baffle. When this happens, not enough air passes through the return duct, across the evaporator coil (where it's cooled) and out the supply duct.

Without enough air flow, the evaporator coil starts to freeze up. As the freezing continues, less and less air flows across the coil. Finally, no air moves across it at all—and no cool air goes into the shelter. Run the ECU too long in this condition and you'll damage the compressor or fan components.

SO, IF THE ECU IS ALREADY UP AND RUNNING IN THE COOL MODE, BUT THE SHELTER'S NOT GETTING COOLER, TRY THIS REMEDY...

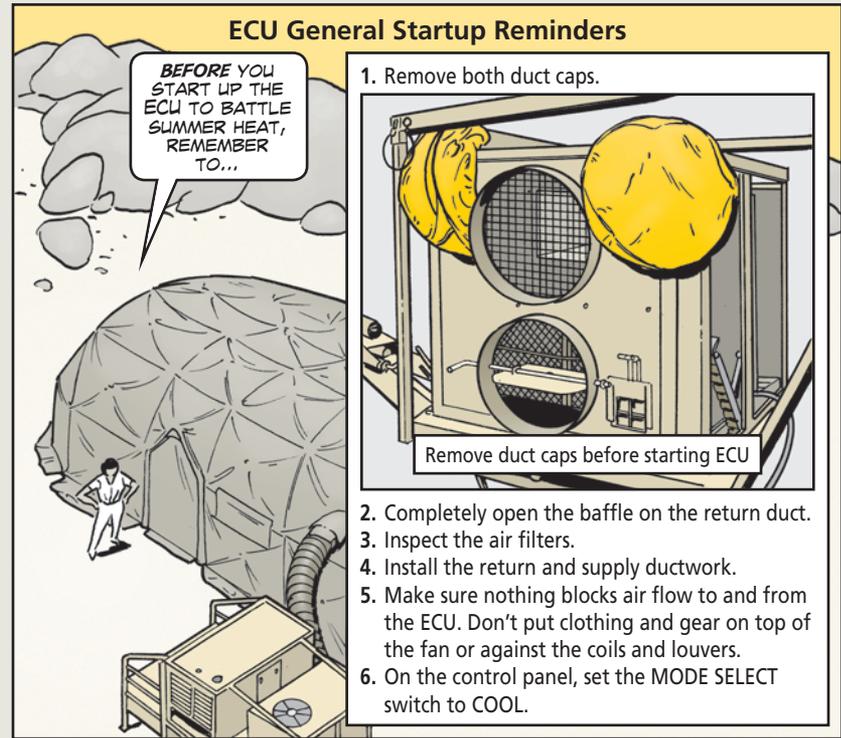
1. Shut off power to the ECU.
2. Inspect the air filters. If they're dirty and clogged, they'll block air flow and cause the evaporator coil to freeze. Clean or replace filters as needed.

To clean the filter, wash it in warm water and a mild detergent. Rinse it thoroughly in clean water. Then let it air-dry. Never use a high-pressure washer; that can damage the filter. You can also clean the filter with compressed air. But again, no high pressure.

There are no replacement filters in the Army supply system. To replace the filter, you need to contact DHS Systems LLC, the company that makes DRASH shelters. DHS points of contact are listed at the end of this article. The filter's DHS part number is PECU05T38.

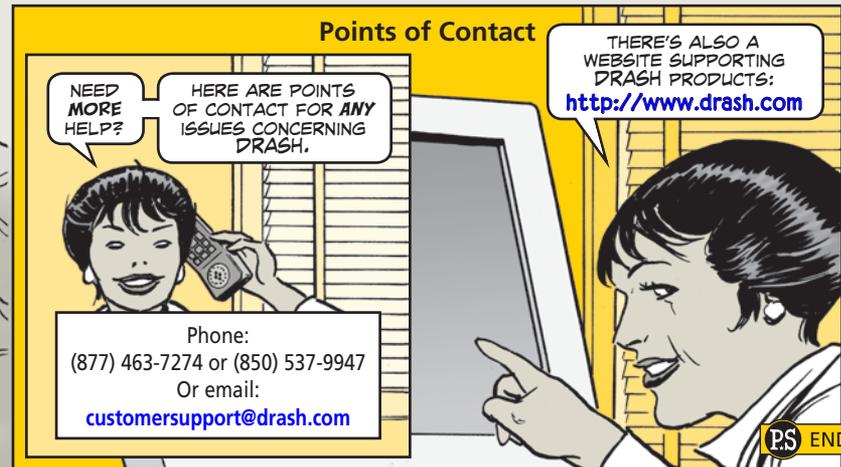
3. Completely open the baffle on the return duct.
4. Wait a full 30 minutes with the ECU power off. This allows time to equalize the refrigerant temperature and pressure in the evaporator and condenser. It also lets the evaporator thaw.
5. After 30 minutes, adjust the thermostat to around 70°F. Then power up the ECU.

## ECU General Startup Reminders



1. Remove both duct caps.
2. Completely open the baffle on the return duct.
3. Inspect the air filters.
4. Install the return and supply ductwork.
5. Make sure nothing blocks air flow to and from the ECU. Don't put clothing and gear on top of the fan or against the coils and louvers.
6. On the control panel, set the MODE SELECT switch to COOL.

## Points of Contact



Phone:  
(877) 463-7274 or (850) 537-9947  
Or email:  
[customersupport@drash.com](mailto:customersupport@drash.com)