

Moving the CAMET

Presented by the
NC Department of Crime Control & Public Safety
Division of Emergency Management
and the
NC Department of Agriculture & Consumer Services
Emergency Programs Division

Overview

- CAMET, towing vehicle, and driver specifications
- Moving and parking CAMET
- Providing power to CAMET
- Unloading the CAMET
- CAMET modifications and lessons learned
- Items not included in CAMET

This slide provides an overview of the topics covered in this presentation.

CAMET Specifications

- Trailer dimensions:
 - 7' wide
 - 16' long
 - 7.5' tall
- Each trailer weighs 7,000 – 8,000 lbs
- Resources needed
 - Appropriate truck
 - Experienced driver

Truck Requirements

- ¾ ton truck or larger
- Towing package
- 2-5/16" ball hitch on a class IV mount
- Electric brake module (to operate the electric brakes on the trailers)
- Extended mirrors



Driver Requirements

- Experience towing large/heavy equipment
- Valid drivers license
- A CDL is not required for this application
- Ability to back a trailer is very helpful!

Appropriate Vehicles (1)

- CAMETs will be towed using vehicles:
 - owned by the State of North Carolina
 - owned by a county who has a CAMET MOA with NCEM
 - owned by other counties pursuant to the NC Statewide Emergency Management Mutual Aid and Assistance Agreement

The Memorandum of Agreement (MOA) between the NC Division of Emergency Management and counties borrowing or using state-owned CAMET trailers requires that CAMETs will be towed using vehicles fall into one of the categories mentioned above.

Appropriate Vehicles (2)

- CAMETs will be towed by:
 - privately owned vehicles owned by an “emergency management worker” as defined in N.C.G.S. 166A-14
 - an organization with which an approved Memorandum of Agreement has been signed
- Privately owned CAMETs should be towed by appropriate vehicles designated by owning organization

The Memorandum of Agreement (MOA) between the NC Division of Emergency Management and counties borrowing or using state-owned CAMET trailers requires that CAMETs will be towed using vehicles fall into one of the categories mentioned above.

Privately owned CAMETs should be towed by vehicles the owning organization considers appropriate.

NC General Statute 166A-14:

As used in this section, the term "emergency management worker" shall include any full or part-time paid, volunteer or auxiliary employee of this State or other states, territories, possessions or the District of Columbia, of the federal government or any neighboring country or of any political subdivision thereof or of any agency or organization performing emergency management services at any place in this State, subject to the order or control of or pursuant to a request of the State government or any political subdivision thereof. The term "emergency management worker" under this section shall also include any health care worker performing health care services as a member of a hospital-based or county-based State Medical Assistance Team designated by the North Carolina Office of Emergency Medical Services and any person performing emergency health care services under G.S. 90-12.2.

Appropriate Drivers

- Persons driving the vehicles used to tow the CAMET trailer units will be:
 - state employees
 - county employees
 - “emergency management worker” as defined in N.C.G.S. 166 A-14
- Privately owned CAMETs should be towed by appropriate people designated by owning organization

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Reminders Before Driving

- Check the tire inflation
- Plug in the wiring harness
- Ensure hitch is secure
- Test the lights
- Test the brakes before you leave the site
- Make sure you have the keys to the trailer!

Resource Tracking

- CAMET trailer release should be documented by MOA or WebEOC Mission Assignment
- If otherwise released, driver should sign a custody form before receiving keys to trailer

Pre-Arrival Considerations

Before arriving at shelter site, the CAMET driver should:

- Stop to fill the generator gas can with fuel
 - Gas can accessed through side door
- Coordinate with shelter site to consider acquiring bleach for later decontamination needs
 - Not stored on trailer for safety reasons

Parking the CAMET

- Place on level, firm ground or pavement
 - Due to the weight of the equipment that will be unloaded and loaded
- Cage carts weigh over 550 lbs. loaded
- Carts will not roll well on sand, gravel, or turf



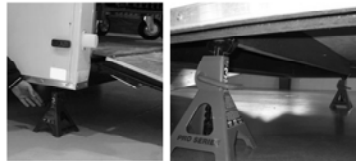
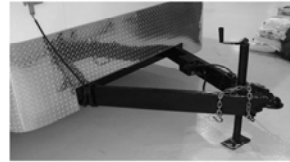
An example of parking the CAMET in an appropriate place on level ground. The cage carts are unloaded from the trailer and the cages are carried into the shelter area.

Placement Considerations

- Place out of major traffic access areas to assure safety and security
- If using generator, place trailer considering:
 - Noise and exhaust fumes produced
 - Need for refueling with gasoline
- Consider convenient location if trailer will be used as an office

Preparing to Unload

- Place wheel chocks between the wheels
- Use tongue jack to unhitch the trailer (eyeball level it)
- Place rear jack stands on each side of trailer



The wheel chocks and rear jack stands are located in the side door of the CAMET.

The wheel chocks will keep the trailer from rolling.

The rear jack stands should be placed under one of the crossmembers. The jack stands help stabilize the trailer from front to back, especially while the cage carts are being loaded and unloaded.

Light for the CAMET

- Electrical outlets and lights available when CAMET is connected to generator/power
- Note: the 12-volt lights inside trailer will only work when wiring harness is connected to the pulling vehicle



The smaller 12-volt lights on the trailer only work when the wiring harness is connected to the pulling vehicle (picture on the right). The electrical outlets and larger lights will work when the CAMET is connected to the generator or existing power source.

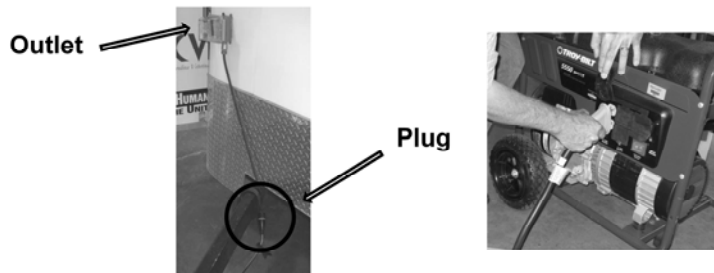
Generator Power (1)

- Generator will provide power to the trailer
- Generator accessed through rear door
- Place the gas-powered generator outside
- Start the generator before connecting it to trailer



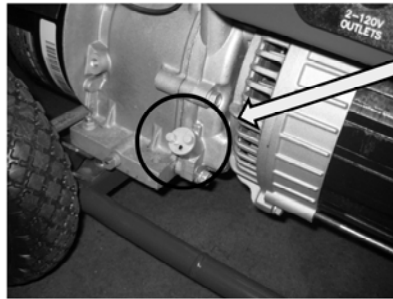
Generator Power (2)

- Plug to connect generator to CAMET is on front of trailer
 - Energizes the outlets on front and inside of trailer
- Only use the generator's octopus cord between the CAMET and generator!



Generator Basics (1)

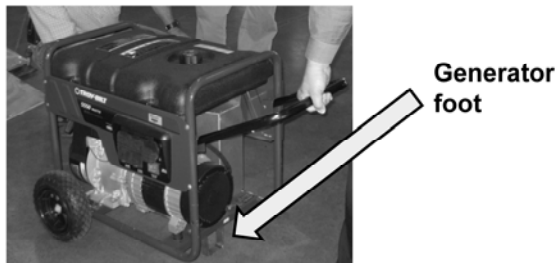
- Add gasoline to the generator before starting (if needed)
- Check engine oil prior to starting



Check
engine oil
here

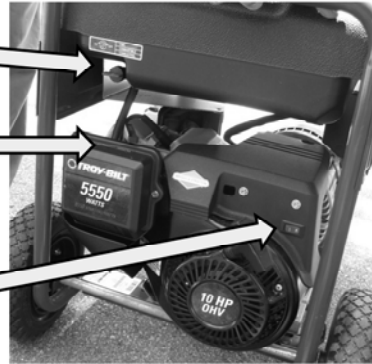
Generator Basics (2)

- When refueling, turn generator off and allow to cool for about 30 minutes before adding gasoline
- When lifting generator by handle, lift high enough to avoid bending the foot



Starting the Generator (1)

- Move the fuel line switch to open
- Put choke lever in “choke” position (closes choke)
- Turn main power switch on



Starting the Generator (2)

- Pull starter cord several times
- Move choke lever partially toward “run” position (opens choke)
- Pull starter cord until generator starts
- Move choke to “run”



Starter cord

Turning the Generator Off

- Short-term: turn main power switch to “off”
- Long-term: turn fuel line switch to “off” and let engine run out of gas



Power for the CAMET

- CAMET can also be connected to existing power using extension cord
 - Extension cord accessed through side door
- Plug extension cord into trailer plug
- Energizes outlets on front and inside of trailer



Unloading Rear Door (1)

- Unload first cage cart and generator



- Remove spacer board in middle of trailer
 - Between two rows of carts



Unloading Rear Door (2)

- Remove containment boards in front of other cage carts

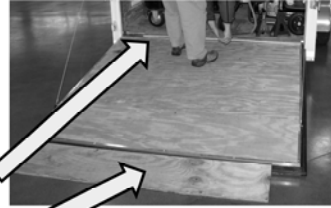


- Remove board brackets from wall
- Unload remaining cage carts



Unloading the Cages (1)

- Cage carts are only loaded and unloaded through the rear ramp entrance
- Unlock both rear door locks
- Carefully drop the rear door/ramp of CAMET
- Put the hinge filler board and ramp extension in place
 - Boards are stored in middle of trailer

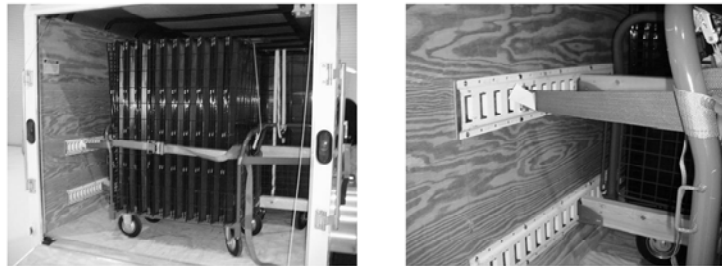


The picture shows the ramp extension at the end of the CAMET door/ramp and the hinge filler board being put in place in the space between the end of the trailer floor and the beginning of the door/ramp. These boards help create a smooth path for the cage carts to be rolled in and out of the trailer.

The ramp extension and hinge filler boards are stored on top of the spacer board in the middle of the trailer.

Unloading the Cages (2)

- CAMET has 5 cage carts
- First cart contains medium size cages on some CAMETs
- Carts are secured in trailer by E-straps that hook into tracks on wall



The five cage carts hold a total of 50 to 60 cages total.

Unloading the Cages (3)

- Cages are secured to the cart by tie down straps
- Do not remove these straps before unloading and moving the carts



Unloading the Cages (4)

- The carts must be handled by two people
 - one person in the back and one in the front
- The carts are heavy and must be handled carefully



Unloading the Cages (5)

- Roll the carts straight up and down the ramp to avoid the possibility of tipping over



Unloading the Front

- Other supplies and equipment in front of CAMET accessed through side door
- Use inventory list to track items unloaded and used



Reloading the CAMET

See the “Shelter Demobilization” module for instructions about reloading and preparing the CAMET to leave the shelter site.

Some Assembly Required

- Inventory list is located in pocket on the front door
 - Inventory varies from unit to unit
- CAMETs contain the basic materials to set up an operational shelter
- Every situation is different
- Innovation is encouraged
- Basic equipment for cleaning and decontamination included

Elective Modifications

- Add abrasive strips or paint with silica abrasives to rear ramp
 - ramp may become slick if gets wet during adverse weather and could be a hazard during unloading/loading of cage carts
- Place swim noodles on the rear door cables for safety
 - recommend yellow for greater visibility

Lessons Learned

- When CAMET is deployed, stop before arriving at shelter area to fill truck and generator gas can with gasoline
- When transporting the CAMET ensure you have the keys to unlock the unit!
- Leave the keys with the unit when you drop it off

Not Included

- CAMETs do NOT include:
 - Perishables
 - Vaccines
 - Drugs
 - Medical equipment
 - Veterinarians and shelter staff
 - Computers
- May not include camera, film, and printer

Staff Not Included

- CAMETs do NOT include the personnel to run the shelter
- Shelter staff are the responsibility of the requesting party

Conclusion

- Must have appropriate vehicle and driver to move CAMET
- Need to acquire gas for generator
- Consider appropriate CAMET placement
- Unload unit carefully and safely
- Make sure trailer keys are always with CAMET