



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY CADET COMMAND
FORT MONROE, VIRGINIA 23651-1052

ATCC-JR

05 February 2009

MEMORANDUM FOR JROTC Units with Marksmanship Programs

SUBJECT: Guidance for new Model 887 Air Rifles

1. References:

- a. CCR 145-2, Organization, Administration, Operation, Training and Support.
- b. JROTC Marksmanship Instructor Course (JMIC)
- c. Message, JROTC, ATCC-J, 21 Nov 08, Subject: Mandatory Air Rifle Message

2. Purpose. Provide information and command guidance on the fielding of Model 887 CO₂-powered air rifles for Army JROTC unit marksmanship.

3. In November 2008, US Army Cadet Command began issuing Daisy/Avanti Model 887 CO₂-powered air rifles to replace the pump-pneumatic air rifles used in JROTC marksmanship programs since the 1980's. The Model 887 is a sporter class target air rifle that fires a .177 caliber pellet at a nominal velocity of 500 fps. The Model 887 is powered by a removable refillable cylinder that holds 2.5 ounces of liquid carbon dioxide (CO₂) – enough for 250 or more shots. Empty cylinders are refilled from a bulk tank. A fill adaptor and digital electronic scale are issued with the rifles. Instructions for use are packaged with the fill adaptor. More detailed guidance on re-filling air rifle cylinders is contained in the JMIC student text. A poster showing step-by-step procedures as well as a video demonstrating correct technique is available on the Civilian Marksmanship Program (CMP) website.

4. Unit Requirements.

a. Prior to using the newly issued Model 887 rifles, coaches/marksmanship instructors must view the CMP video, *Fill Procedures for Air Rifle CO₂ Cylinders* at <http://www.odcmp.com/CoachingResources.htm> and report completion to brigade headquarters.

b. Units that do not already use CO₂ or compressed air rifles must execute a new MOU with the school to cover the use of refillable CO₂ cylinders and storage/use of a bulk CO₂ tank. Other range and training requirements addressed in the MOU will remain unchanged.

c. Only JROTC cadre (or school-approved adult coaches/assistants) will fill CO₂ cylinders or install/remove them from air rifles. **Cadets will not install, remove, or fill CO₂ cylinders.**

d. Liquid CO₂ can be obtained locally from industrial gas or welding supply companies. These companies will usually lease the tank. Units are authorized to use OMA funds to purchase CO₂ and rent or lease bulk tanks. If you determine that buying a tank would provide a cost savings to the government, you may request authorization to do so and provide justification through your brigade to HQ Cadet Command. The Model 887 air rifles are issued with the necessary equipment (fill station and scale) to allow units to refill their own cylinders; however units are not required to do so. Units may have rifle cylinders refilled by gas suppliers or paintball shops if preferred.

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7. Brigade Requirements. Brigades will approve units to begin using the new Model 887 air rifles once they have met the requirements in paragraph 4a above. Brigades will notify HQ USACC when all units have met the requirements. Brigade staff (or designated JMIC Master Instructors) will inspect CO2 storage and fill procedures during annual range inspections.

8. Mr. Ashley Garman at HQ Western Region, Ft. Lewis, WA will serve as the primary point of contact for issues and questions concerning the new Model 887 air rifles and JROTC air rifle marksmanship. He may be reached at (253) 967-3102, or ashley.garman@usacc.army.mil.

//Original Signed//
John V. Vanderbleek
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