

**Stow Ammunition and Equipment on a BFV
HNXA1301 / Version 2
06 Nov 2006**

SECTION I. ADMINISTRATIVE DATA

All Courses Including This Lesson	<u>Course Number</u>	<u>Version</u>	<u>Course Title</u>
	19D10-OSUT	2.00	Cavalry Scout
	250-19D10 (R)	2.10	CAVALRY SCOUT (MOS-T)

Task(s) Taught(*) or Supported	<u>Task Number</u>	<u>Task Title</u>
		<u>INDIVIDUAL</u>
	171-132-1002 (*)	STOW AMMUNITION AND EQUIPMENT ON AN M3 CFV

Reinforced Task(s)	<u>Task Number</u>	<u>Task Title</u>

Academic Hours	The academic hours required to teach this lesson are as follows:	
	<u>Resident Hours/Methods</u>	
		5 mins / Conference / Discussion
		10 mins / Demonstration
		5 mins / Lecture
		30 mins / Practical Exercise (Performance)
Test	0 hrs	
Test Review	0 hrs	
Total Hours:	1 hr	

Test Lesson Number	<u>Hours</u>	<u>Lesson No.</u>
Testing (to include test review)	_____	N/A _____

Prerequisite Lesson(s)	<u>Lesson Number</u>	<u>Lesson Title</u>
	HNXA1209	Perform Preventive Maintenance Checks and Services on the Hull of a BFV

Clearance Access	Security Level: Unclassified Requirements: There are no clearance or access requirements for the lesson.
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Foreign Disclosure Restrictions	FD6. This product/publication has been reviewed by the product developers in coordination with the Fort Knox Security Division foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.
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References

<u>Number</u>	<u>Title</u>	<u>Date</u>	<u>Additional Information</u>
TM 9-2350-284-10-1	OPERATOR'S MANUAL FOR FIGHTING VEHICLE, INFANTRY M2A2 AND FIGHTING VEHICLE, CAVALRY M3A2 HULL	24 May 2003	
TM 9-2350-284-10-2	OPERATOR'S MANUAL FOR FIGHTING VEHICLE, INFANTRY M2A2 AND FIGHTING VEHICLE, CAVALRY M3A2 TURRET	30 Apr 2001	

Student Study Assignments

None

Instructor Requirements

Primary Instructor.
Group Instructor per 4 Soldiers.
Primary Instructor also serves as Group Instructor.

Additional Support Personnel Requirements

<u>Name</u>	<u>Stu Ratio</u>	<u>Qty</u>	<u>Man Hours</u>
Combat Lifesaver Qualified Individual (All Army)		1	2 hrs
Driver, HMMWV (Enlisted)		3	4 hrs
Driver, LMTV (Enlisted)		1	4 hrs
Troop Commander (Officer)		1	1 hr
Weapons Guard (Enlisted)		1	2 hrs

Equipment Required for Instruction

<u>Id Name</u>	<u>Stu Ratio</u>	<u>Instr Ratio</u>	<u>Spt</u>	<u>Qty</u>	<u>Exp</u>
1005-00-406-1570 KIT, ADAPTOR, TOP SLING	1:1		No	0	Yes
1005-00-653-5441 ROD, CLEANING, SMALL ARMS	1:4		No	0	Yes
1005-00-921-5004 MAGAZINE, CARTRIDGE	1:1		No	0	No
1005-01-118-2640 PISTOL, 9 MILLIMETER, AUTOMATIC			Yes	2	No
1005-01-204-4376 MAGAZINE, CARTRIDGE			Yes	2	No
1005-01-231-0973 CARBINE, 5.56 MILLIMETER	1:1		No	0	No
1005-01-361-8308 Blank Firing Attachment M23	1:1		No	0	No
1005-01-452-3527 ADAPTER RAIL, WEAPON MOUNTED, M4	1:1		No	0	No
1095-01-194-3343 HOLSTER, PISTOL			Yes	2	No
2320-01-107-7155 TRUCK, UTILITY			Yes	3	No
2320-01-354-3385 TRUCK, CARGO			Yes	1	No

2330-01-090-7871 TRAILER, TANK		Yes	1	No	
2350-01-248-7620 CARRIER, PERSONNEL, FULL TRACKED	1:4	No	0	No	
2540-00-490-0769 CHOCK, BLOCK	1:2	No	0	Yes	
2540-00-490-0769 CHOCK, BLOCK		Yes	8	Yes	
2540-00-587-2532 TARPAULIN	1:4	No	0	Yes	
5340-01-348-6604 CRANK, HAND	1:4	No	0	No	
5820-01-267-9478 RADIO SET		Yes	3	No	
6135-00-120-1020 BATTERY, BA-30	2:4	No	0	No	
6230-00-264-8261 FLASHLIGHT	1:4	No	0	Yes	
6530-00-783-7510 LITTER, NONRIGID, POLELESS		Yes	1	No	
6545-01-532-3674 MES COMBAT LIFESAVER VERSION 200		Yes	1	No	
6665-01-381-3023 WET BULB-GLOBE TEMPERATURE KIT		Yes	1	Yes	
6920-00-223-4919 MISSILE SIMULATION ROUND ASSEMBL		No	20	No	
8415-00-094-2684 HELMET, COMBAT VEHICLE CREWMAN'S	1:2	No	0	No	
8415-00-094-2691 HELMET, COMBAT VEHICLE CREWMAN'S		2:1	No	0	No
8415-01-458-8703 PAD, KNEE	1:1	No	0	Yes	
8415-01-458-8763 PAD, ELBOW, CAMOUFLAG	1:1	No	0	Yes	
8470-01-465-1188 INSERT, SMALL ARMS PROTECTIVE BOD	1:1	No	0	No	
8470-01-465-1867 BODY ARMOR OUTER	1:1	No	0	No	

* Before Id indicates a TADSS

**Materials
Required**

Instructor Materials:

Per Vehicles:

Empty 7.62mm ammo box 4
 Empty 25mm ammo box 4
 TM 9-2350-284-10-1/2 (w/chgs)

Student Materials:

TM 9-2350-284-10-1/2 (w/chgs) per 2 Soldiers.

NOTE: Soldier's will use the same equipment the Group Instructors use for the demonstration.

**Classroom,
Training Area,**

TRAINING AREA, HARDSTAND, 20,000 SQ FT

and Range Requirements

Ammunition Requirements

<u>Id</u>	<u>Name</u>	<u>Exp</u>	<u>Stu Ratio</u>	<u>Instr Ratio</u>	<u>Spt Qty</u>
None					

Instructional Guidance

NOTE: Before presenting this lesson, instructors must thoroughly prepare by studying this lesson and identified reference material.

ALERT: INSTRUCTOR CONDUCT A RISK ASSESSMENT PRIOR TO START OF TRAINING.

Particular attention must be given to Army core values (ACVs) identified within the lesson. Instructors must be role models and mentors to help Soldiers assimilate ACVs by briefly noting the values and associated behaviors applicable to the training. Reinforced Values: **Duty.**

ORGANIZATION FOR TRAINING: The Primary Instructor will brief Group Instructor(s) on how this lesson will be conducted.

Prior to the arrival of the Soldiers:

Primary Instructor:

1. Brief Group instructors on how training will be conducted.
2. Explain how training site will be set up.

Group Instructors:

1. Set up the vehicles with the ramps down and all the equipment required for this class lay on a tarpaulin by the end of the ramps.
2. Ensure all the vehicles have an appropriate TM with the vehicle stowage and sign guide.
3. Ensure enough TM's are available for every two Soldiers to have one TM.

After Soldiers arrive:

Primary Instructor:

1. When the Soldiers arrive the Primary Instructor will conduct the safety briefing as a group.
2. After the introduction the Primary Instructor will organize the Soldiers into groups of four and assign a Group Instructor to each group.

Group Instructors:

1. Group Instructors will take the groups to their vehicles and reinforce the safety briefing.
2. Group Instructor will conduct the demonstration as prescribed by the lesson plan and the

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towage and sign guide in the operator's manual.

3. If there are enough instructors to conduct the training the Primary Instructor will monitor the training and assist the Group Instructors as necessary.
4. "TSC tests are conducted by the instructors using Criterion Scoring Checklists (CSC) during the practice exercise of selected periods of instruction. The CSCs for the TSC test are an integral part of the lesson plan. If a Soldier fails to achieve a GO on a task prior to the end of class, the instructor must fill out a CSC on the Soldier(s) and provide it/them to the Soldier(s) Drill Sergeant."

**Proponent
Lesson Plan
Approvals**

<u>Name</u>	<u>Rank</u>	<u>Position</u>	<u>Date</u>
Commander, 1st ATB	COL		06 Nov 2006

SECTION II. INTRODUCTION

Method of Instruction: <u>Lecture</u>
Instructor to Student Ratio is: <u>1:40</u>
Time of Instruction: <u>5 mins</u>
Media: <u>Large Group Instruction</u>

Motivator As a Cavalry Scout, you must know how to stow ammunition and equipment on your vehicle. Your ability to properly perform this task will help you locate the required ammunition and equipment for loading the weapon systems and keeping your vehicle in a state of readiness at all times.

Terminal Learning Objective **NOTE:** Inform the students of the following Terminal Learning Objective requirements.
At the completion of this lesson, you [the student] will:

Action:	Stow Ammunition and Equipment on a BFV
Conditions:	Given a BFV with operator's manual for the hull and turret, ammunition and equipment.
Standards:	Stow the designated ammunition and equipment, so that each item is located and secured in its prescribed position IAW the vehicle operator manuals.

Safety Requirements

1. Maintain three point contact at all times when climbing on top of the vehicle.
2. Treat all ammunition as if it were live.
3. Vehicle will be chocked to prevent it from moving inadvertently while parked.
4. In the event of severe weather, Soldiers will depart the training area in an orderly manner and move to the location you have designated, such as a basement, center of the building. Class leader will hold an accountability formation and report his findings to you.

Risk Assessment Level Low

Environmental Considerations **NOTE:** It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. Units/installations will prepare an environmental risk assessment using the before, during, and after checklist and the risk assessment matrixes contained in *The Unit Leader's Handbook for Environmental Stewardship* (TC 5-400, Chapter 5). The checklist should be supplemented locally using state and local environmental regulations applicable to your area.

Evaluation This is a Training Site Certified task. You will be evaluated on stowing ammunition/equipment on a BFV during the practical exercise.

Instructional Lead-In After the introduction, I will organize you into groups of four and assign each group to a Group Instructor. Group Instructor will move you to a training site and explain and demonstrate the correct procedures for stowing ammunition/equipment on a

BFV.

SECTION III. PRESENTATION

1. Learning Step / Activity 1. Stow ammunition and equipment on a BFV.

Method of Instruction: Demonstration
Instructor to Student Ratio: 1:4
Time of Instruction: 10 mins
Media: Large Group Instruction

NOTES: 1. Have Soldiers locate Stowage and Sign Guide, in TM 9-2350-284-10-1 work package number 0090 00 and TM 9-2350-284-10-2 work package number 0104 00.

2. Have Soldiers take turns reading the items to be stowed and have them point to the location, as illustrated in the TM, where the item is to be stowed, as you explain and demonstrate.

a. Outside Stowage (hull).

NOTE: Have Soldiers locate outside stowage (give the model: M2A2 or M3A2), then conduct the explanation/demonstration.

b. Inside Stowage (hull).

NOTE: Have the Soldiers find inside stowage, then conduct the explanation/demonstration in the same manner as you did outside stowage.

c. Inside stowage (turret).

NOTE: Have Soldiers find turret stowage in their technical manual for the turret, then conduct the explanation/demonstration in the same manner as you did inside stowage (hull).

NOTE: Conduct a check on learning and summarize the learning activity.

2. Learning Step / Activity 2. Practical exercise.

Method of Instruction: Practical Exercise (Performance)
Instructor to Student Ratio: 1:4
Time of Instruction: 30 mins
Media: Large Group Instruction

Conduct PE IAW Appendix C

NOTE: Conduct a check on learning and summarize the learning activity.

SECTION IV. SUMMARY

Method of Instruction: <u>Conference / Discussion</u>
Instructor to Student Ratio is: <u>1:40</u>
Time of Instruction: <u>5 mins</u>
Media: <u>Large Group Instruction</u>

Check on Learning

Determine if the students have learned the material presented by soliciting student questions and explanations. Ask the students questions and correct misunderstandings.

Review / Summarize Lesson

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1. Review steps for stowing ammunition/equipment on the M2/M3 Bradley.
 2. Answer Soldiers' questions.
 3. Closing Statement. The stowage procedures you have been taught in this task will allow you to locate ammunition and equipment for loading your weapons system and keeping your vehicle combat ready at all times.
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SECTION V. STUDENT EVALUATION

Testing Requirements

NOTE: Describe how the student must demonstrate accomplishment of the TLO. Refer student to the Student Evaluation Plan.

The Soldier will be given a BFV with operator's manual for the hull and turret, ammunition and equipment. The Soldier must, stow the designated ammunition and equipment IAW the operator manuals, so that each item is located and secured in its prescribed position without causing injury to personnel or damage to the ammunition and equipment.

Feedback Requirements

NOTE: Feedback is essential to effective learning. Schedule and provide feedback on the evaluation and any information to help answer students' questions about the test. Provide remedial training as needed.

Advise the Soldier if he is a GO or NO-GO. If a NO-GO, counsel on area(s) in which he received a NO-GO. Tell the Soldier the location, date, and time retraining and retesting will occur.

Appendix A - Viewgraph Masters (N/A)

Appendix B - Test(s) and Test Solution(s) (N/A)

Appendix C - Practical Exercises and Solutions

PRACTICAL EXERCISE(S)/SOLUTION(S) FOR LESSON 1: HNXA1301 version 2

PRACTICAL EXERCISE SHEET 1

Title	Stow Ammunition and Equipment on a BFV						
Lesson Number / Title	HNXA1301 version 2 / Stow Ammunition and Equipment on a BFV						
Introduction	You will now practice stowing ammunition/equipment on a BFV. If you complete the PE satisfactorily, you will be certified as proficient in the task.						
Motivator	As a Cavalry Scout, you must know how to stow ammunition and equipment on your vehicle. Your ability to properly perform this task will help you locate the required ammunition and equipment for loading the weapon systems and keeping your vehicle in a state of readiness at all times.						
Terminal Learning Objective	<p>NOTE: The instructor should inform the students of the following Terminal Learning Objective covered by this practical exercise.</p> <p>At the completion of this lesson, you [the student] will:</p> <table border="1"><tr><td>Action:</td><td>Stow Ammunition and Equipment on a BFV</td></tr><tr><td>Conditions:</td><td>Given a BFV with operator's manual for the hull and turret, ammunition and equipment.</td></tr><tr><td>Standards:</td><td>Stow the designated ammunition and equipment, so that each item is located and secured in its prescribed position IAW the vehicle operator manuals.</td></tr></table>	Action:	Stow Ammunition and Equipment on a BFV	Conditions:	Given a BFV with operator's manual for the hull and turret, ammunition and equipment.	Standards:	Stow the designated ammunition and equipment, so that each item is located and secured in its prescribed position IAW the vehicle operator manuals.
Action:	Stow Ammunition and Equipment on a BFV						
Conditions:	Given a BFV with operator's manual for the hull and turret, ammunition and equipment.						
Standards:	Stow the designated ammunition and equipment, so that each item is located and secured in its prescribed position IAW the vehicle operator manuals.						
Safety Requirements	<ol style="list-style-type: none">1. Maintain three point contact at all times when climbing on top of the vehicle.2. Treat all ammunition as if it were live.3. Vehicle will be chocked to prevent it from moving inadvertently while parked.						
Risk Assessment	Low						
Environmental Considerations	It is the responsibility of all Soldiers and DA civilians to protect the environment from damage. Units/installations will prepare an environmental risk assessment using the before, during, and after checklist and the risk assessment matrixes contained in <i>The Unit Leader's Handbook for Environmental Stewardship</i> (TC 5-400, Chapter 5). The checklist should be supplemented locally using state and local environmental regulations applicable to your area.						
Evaluation	This is a Training Site Certified task. You will be evaluated on stowing ammunition and equipment on a BFV during practical exercise.						
Instructional	During this practice exercise, I will select items at random for each of you to stow.						

Lead-In I will monitor you as you practice and evaluate you on your ability to stow the ammunition and equipment.

Resource Requirements **Instructor Materials:**
Lesson Plan
Training Site Certification Checklist

Per Vehicles:
Empty 7.62mm ammo box 4
Empty 25mm ammo box 4
TM 9-2350-284-10-1/2 (w/chgs)

Student Materials:
TM 9-2350-284-10-1/2 (w/chgs) per 2 Soldiers.

NOTE: Soldier's will use the same equipment the Group Instructors use for the demonstration.

Special Instructions None

Procedures

1. Select items (equipment and ammunition) at random and have each Soldier practice stowing.
2. Rotate Soldiers through the practice as many times as possible. Make sure each Soldier gets a chance to practice stowing ammunition and equipment on the vehicle, inside the hull, and equipment inside the turret.
3. Observe each Soldier's performance.
4. Conduct an After Action Review at the conclusion of the exercise.

Feedback Requirements As Soldiers perform the steps, observe the Soldiers and make on-the-spot corrections on the Soldiers' techniques.

**SOLUTION FOR
PRACTICAL EXERCISE SHEET 1**

Stow Ammunition and Equipment on a BFV.
Task: 171-132-1002

Training Site Certification Checklist

Soldier: _____ Roster No. _____

Evaluator: _____

Did the Soldier: GO NO-GO

1. Stow ammunition and BII outside vehicle IAW stowage and sign guide? _____

2. Stow ammunition and BII inside hull IAW stowage and sign guide? _____

3. Stow BII inside turret IAW stowage and sign guide? _____

Evaluation Criteria. The Soldier must receive a GO on all items during one evaluation to receive a GO: GO _____ NO-GO _____

Comments: _____

Signatures:

Instructor _____ Soldier _____

Appendix D - Student Handouts (N/A)