

**TRUCK UTILITY MEDIUM (TUM)(HS) HT W/ VPK
BODY AND ASSOCIATED EQUIPMENT (SNATCH ALL VARIANTS)**

MODIFICATION INSTRUCTION NO. 22

Sponsor: PMT
File Ref: CSVSPI/0076 TASK NP048
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AMENDMENT RECORD

Amdt No.	Incorporated By (Signature)	Date
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Amdt No.	Incorporated By (Signature)	Date
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SUBJECT: Seat belt cutters and stowage

INTRODUCTION

1 To support the role of the TRUCK UTILITY MEDIUM (TUM)(HS) HT W/ VPK BODY AND ASSOCIATED EQUIPMENT (SNATCH ALL VARIANTS), there is a safety requirement to fit six seat belt cutters and associated stowage to the SNATCH 2A, 2B and VIXEN PLUS.

1.1 This Modification Instruction details the fitting procedure to be adopted together with instructions for the disposal of any components and sub-assemblies removed from the equipment.

1.2 Limitations on use of equipment. Nil.

APPLICABILITY

2 This Modification Instruction is to be carried out on all TRUCK UTILITY MEDIUM (TUM)(HS) HT W/ VPK BODY AND ASSOCIATED EQUIPMENT (SNATCH 2A, 2B and VIXEN PLUS), held by user units.

2.1 Fitted to the following subject Equipment Asset Code (EAC) and NATO Stock Number (NSN) as follows:

2.1.1 SNATCH 2A – EAC 5005 3101 – NSN 2320-99-908-6772.

2.1.2 SNATCH 2B – EAC 5005 3100 – NSN 2320-99-908-6771.

2.1.3 VIXEN PLUS – EAC 5004 3101 – NSN 2320-99-908-7580.

REASON FOR MODIFICATION

3 Classification A1 – Essential safety

PRIORITY

- 4 Army: Immediate.

ESTIMATED TIME REQUIRED

- 5 This Modification Instruction should take:
- | | | |
|-----|--------------|----------------|
| 5.1 | Dismantling: | 0.5 man-hours. |
| 5.2 | Assembly: | 0.5 man-hours. |
| 5.3 | Embodiment: | 1.5 man-hours. |
| 5.4 | Testing: | Nil. |

MODIFICATION IMPLEMENTATION PLAN

- 6 This Modification Instruction is to be implemented by:
- 6.1 Units/ sections authorised to carry out Levels 2, 3 and 4 repairs.
- 6.2 Associated Modification Instructions. Nil.
- 6.3 Modification plate strike action: Nil.

Action required by

- 7 The following action is to be carried out:
- 7.1 Units and establishments holding equipment.
- 7.1.1 Examine the equipment documents, or check the equipment/ sub-unit serial numbers, to determine whether or not the modification is applicable.
- 7.1.2 Examine equipment or modification record plate to see if modification is embodied and where necessary Units with REME support demand the stores required.
- NOTE
- Item 1, Seat belt cutter in pouch (Qty 6) and Item 2, Installation Kit, Vehicular Equipment Components, (Qty 1) listed in the Stores to be demanded list in Paragraph 8.1, must be demanded separately in order to complete this modification.
- 7.1.3 Army – on receipt of stores, request the REME to modify equipment.
- 7.1.4 Army – record the modification subject and AESP number in the equipment documents.
- 7.2 Units authorised to carry out Unit, Field or Base repairs (Levels 2, 3 or 4).
- 7.2.1 Army – implement the modification when requested by the holding unit (or demand the stores required for equipment on charge to units without REME support) and carry out the modification immediately.
- 7.2.2 Record completion of the modification in the equipment documents as applicable.
- 7.3 All recipients of the AESP. Add particulars to AESP 2320-D-132-811 Modification Instruction Index contained in the Preliminary pages, where applicable.

Stores, tools and equipment

8 The following stores, tools and equipment are required to carry out the modification:

8.1 Stores to be demanded.

Item No.	DMC	NSN/ Part No.	Designation	Qty Per Veh
1	46MT1	5110-15-193-9414	Seat belt cutter in pouch	6
2	7NP	2590-99-613-7798	Installation Kit, Vehicular Equipment Components	1
			Comprising:	
3		38804-150	Mounting bracket assembly (roof)	(2)
4	7RU	5310-99-300-9119	Nut, M8, nyloc	((2))
5	7MF	5310-99-908-7817	Washer, M8, plain	((2))
6		7451-1	Bolt cap, M8	((2))
7	7NP	5340-99-702-6794	Roof mounting bracket	((1))
8		38805-150	Mounting bracket assembly (rear)	(2)
9	7RU	5310-99-300-9119	Nut, M8, nyloc	((2))
10	7MF	5310-99-908-7817	Washer, M8, plain	((2))
11		7451-1	Bolt cap, M8	((2))
12	7NP	5340-99-297-9103	Rear mounting bracket	((1))
13	7NP	2590-99-396-9164	Sun visor pouch	(2)

8.2 Stores or suitable equivalent to be obtained locally.

Item No.	DMC	NSN/ Part No.	Designation	Qty Per Veh
14	POLPEP	8030-99-224-9248	Anti-seize compound ZX-38 (100 g tube)	A/ R
			or	
	POLPEP	8030-99-224-9249	Anti-seize compound ZX-38 (500 g tin)	A/ R

SEQUENCE OF OPERATIONS

GENERAL

WARNINGS

- (1) **PERSONAL INJURY.** WHEN WORKING ON THE EQUIPMENT, ENSURE ALL LOCAL STANDARD WORKSHOP AND HEALTH AND SAFETY PRACTICES ARE ADHERED TO. IF ANY OF THE INSTRUCTIONS IN THIS DOCUMENTATION CONTRAVENE THE LOCAL ORDERS SEEK CLARIFICATION BEFORE CONTINUING.
- (2) **PERSONAL INJURY.** ENSURE VEHICLE IS POSITIONED ON A LEVEL HARD STANDING AND THE PARK BRAKE APPLIED. CHOCK AT LEAST TWO WHEELS ON OPPOSITE SIDES OF THE VEHICLE BEFORE COMMENCING WORK.
- (3) **PERSONAL INJURY.** THE SEATBELT CUTTERS ARE VERY SHARP AND CAN CAUSE INJURIES IF NOT HANDLED OR USED WITH CARE. ALWAYS RETURN THE SEATBELT CUTTER TO ITS POUCH WHEN NOT IN USE.

CAUTIONS

- (1) **EQUIPMENT DAMAGE.** Ensure all equipment to be fitted is serviceable before fitting.
 - (2) **EQUIPMENT DAMAGE.** To prevent premature failure of securing devices, before fitting ensure clean and apply a light coating of anti-seize compound. Failure to observe this CAUTION will lead to seizure of threads and damage to components.
- 9 When carrying out this Modification Instruction ensure the following information is adhered to:
- 9.1 This Modification Instruction details the installation of six seat belt cutters and stowage to the TRUCK UTILITY MEDIUM (TUM)(HS) HT W/ VPK BODY AND ASSOCIATED EQUIPMENT (SNATCH 2A, 2B and VIXEN PLUS).
 - 9.2 Read the complete Modification Instruction before starting.
 - 9.3 Observe all the **WARNINGS** and **CAUTIONS** detailed within this Modification Instruction.
 - 9.4 Left Hand and Right Hand (LH and RH) denotes the left and right hand sides of the vehicle with respect to viewing the vehicle from the rear looking towards the front.

CAUTION

- EQUIPMENT DAMAGE.** To prevent premature failure of securing devices, before fitting ensure clean and apply a light coating of anti-seize compound. Failure to observe this CAUTION will lead to seizure of threads and damage to components.
- 9.5 When assembling securing devices, it will ease operation if a small amount of anti-seize compound, ZX-38 (Item 14) is first applied to the threads. Ensure all excess is removed once equipment is fully secured.
 - 9.6 Ensure that the working area around the vehicle is made safe and be aware of any hazardous conditions that may exist. If the engine is to be started inside an enclosed space ensure that the exhaust gases are properly vented.
 - 9.7 When removing and replacing equipment, always replace any unserviceable locking devices as necessary, this will ensure the correct and secure mounting of all the equipment.
 - 9.8 The item numbers of Para 8 (example, seat belt cutter in pouch (Item 1)) are used as reference throughout this Publication, as well as figure numbers.

Preparation

- 10 To prepare the vehicle for this Modification Instruction proceed as follows:

WARNING

PERSONAL INJURY. ENSURE VEHICLE IS POSITIONED ON A LEVEL HARD STANDING AND THE PARK BRAKE APPLIED. CHOCK AT LEAST TWO WHEELS ON OPPOSITE SIDES OF THE VEHICLE BEFORE COMMENCING WORK.

10.1 Park the vehicle on firm level ground, fully apply park brake, chock two wheels on opposite sides of the vehicle then display a **DO NOT START** notice in a prominent position within the driver's compartment.

10.2 Set the engine/ battery master switch and auxiliary battery master switch to the OFF position.

10.3 Display a **DO NOT START** notice in a prominent position within the driver's compartment.

ROOF MOUNTED SEAT BELT CUTTERS

11 To install the two roof mounted seat belt cutters proceed as follows:

11.1 Identify the positions of the four hatch to roof mounting bolts, M8 (Fig 1(1)) at the rear of the hatch, which secure the hatch assembly (9) to the vehicle roof. Remove and discard the existing bolt caps, washers and nuts from the bolts. Leave the two bolts in position.

WARNING

PERSONAL INJURY. THE SEATBELT CUTTERS ARE VERY SHARP AND CAN CAUSE INJURIES IF NOT HANDLED OR USED WITH CARE. ALWAYS RETURN THE SEATBELT CUTTER TO ITS POUCH WHEN NOT IN USE.

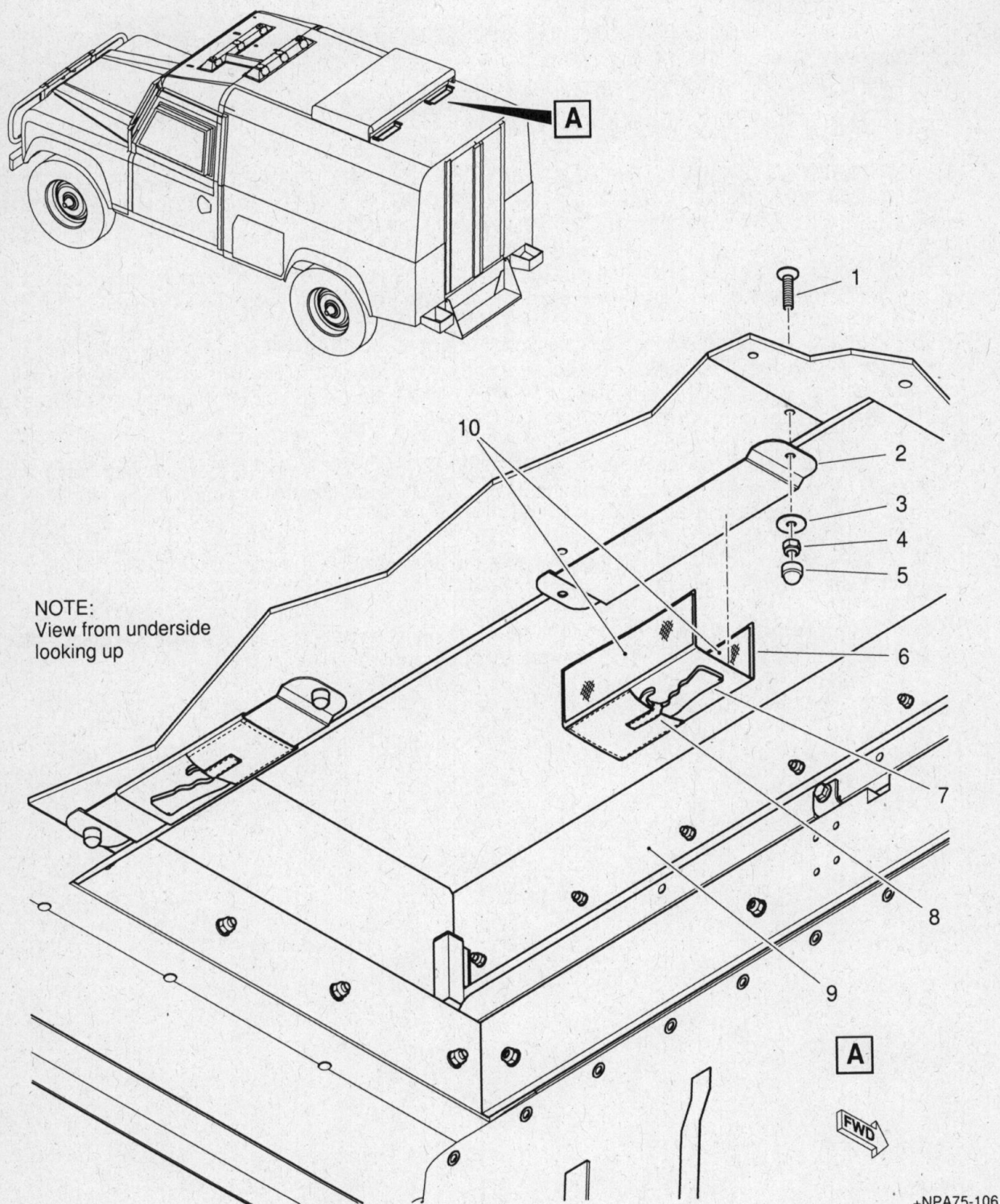
11.2 Remove the seat belt cutter (7) from the seat belt cutter in pouch (Item 1) and position the pouch (6) around the roof mounting bracket (Item 7)(2) in the orientation shown in Fig 1.

11.3 Place a roof mounting bracket complete with the pouch over the two RH roof mounting bolts, M8, and secure using two nyloc nuts (Item 4)(4) complete with plain washers (Item 5)(3). Torque tighten to 17 Nm. Place a new bolt cap, M8 (Item 6)(5) over each new nyloc nut on completion.

11.4 Once the roof mounting bracket is secured into position insert the seat belt cutter into the pouch, with the seat belt cutter handle facing the RH side of the vehicle. Secure in position using the Velcro patches (10) on the pouch.

11.5 Taking care not to injure fingers, ensure the seat belt cutter is secured in position within the pouch using the Velcro tab (8).

11.6 Repeat this procedure to install a seat belt cutter in pouch to the two LH roof mounting bolts, M8. Note the orientation shown in Fig 1, with the seat belt cutter handle facing the LH side of the vehicle.



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|---|--------------------|-------------------|
| 1 Hatch to roof mounting bolt, M8 (Qty 4) | 4 Nut, M8, nyloc | 8 Velcro tab |
| 2 Roof mounting bracket | 5 Bolt cap, M8 | 9 Hatch assembly |
| 3 Washer, M8, plain | 6 Pouch | 10 Velcro patches |
| | 7 Seat belt cutter | |

Fig 1 Roof mounted seat belt cutters installation

REAR MOUNTED SEAT BELT CUTTERS

12 To install the two rear mounted seat belt cutters proceed as follows:

12.1 Identify the rear window mounting position in the LH vehicle rear panel (Fig 2(2)) and remove and discard the existing bolt caps, washers and nuts from the two inner rear window mounting bolts (1). Leave the two bolts in position.

WARNING

PERSONAL INJURY. THE SEATBELT CUTTERS ARE VERY SHARP AND CAN CAUSE INJURIES IF NOT HANDLED OR USED WITH CARE. ALWAYS RETURN THE SEATBELT CUTTER TO ITS POUCH WHEN NOT IN USE.

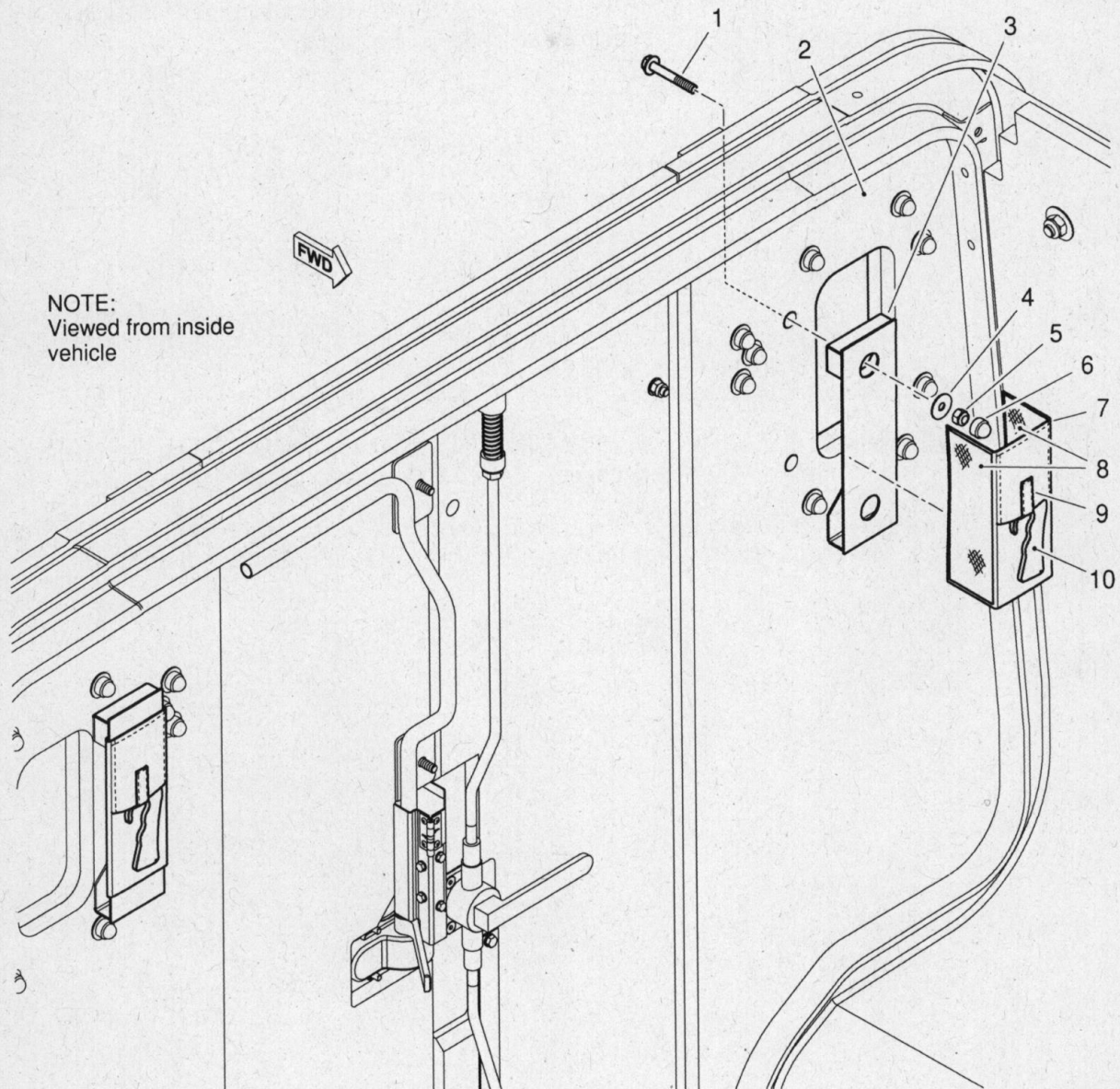
12.2 Remove the seat belt cutter (10) from the seat belt cutter in pouch (Item 1) and position the pouch (7) around the rear mounting bracket (Item 12)(3) in the orientation shown in Fig 2.

12.3 Place a rear mounting bracket over the two inner window mounting bolts, in the position of the removed nuts, and secure using two nyloc nuts (Item 9)(5) complete with plain washers (Item 10)(4). Torque tighten to 17 Nm. Place a new bolt cap, M8 (Item 11)(6) over each new nyloc nut on completion.

12.4 Once the rear mounting brackets are secured into position insert the seat belt cutter into the pouch, with the seat belt cutter handle facing downwards. Secure in position using the Velcro patches (8) on the pouch.

12.5 Taking care not to injure fingers, ensure the seat belt cutter is secured in position within the pouch using the Velcro tab (9).

12.6 Repeat this procedure to install a seat belt cutter in pouch to the RH vehicle rear panel. Note the orientation shown in Fig 2, with the seat belt cutter handle facing downwards.



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|---|---|---|-------------------|----|------------------|
| 1 | Inner rear window mounting bolt, M8 (Qty 2) | 4 | Washer, M8, plain | 8 | Velcro patches |
| 2 | LH vehicle rear panel | 5 | Nut, M8, nyloc | 9 | Velcro tab |
| 3 | Rear mounting bracket | 6 | Bolt cap, M8 | 10 | Seat belt cutter |
| | | 7 | Pouch | | |

Fig 2 Rear mounted seat belt cutters installation

SUN VISOR SEAT BELT CUTTERS

13 To install the two sun visor seat belt cutters proceed as follows:

13.1 Identify and lower the RH sun visor (Fig 3(1)).

13.2 Fit the sun visor pouch (Item 13)(7) to the centre of the RH sun visor and secure in position using the two fastening legs (2), which have Velcro material incorporated.

WARNING

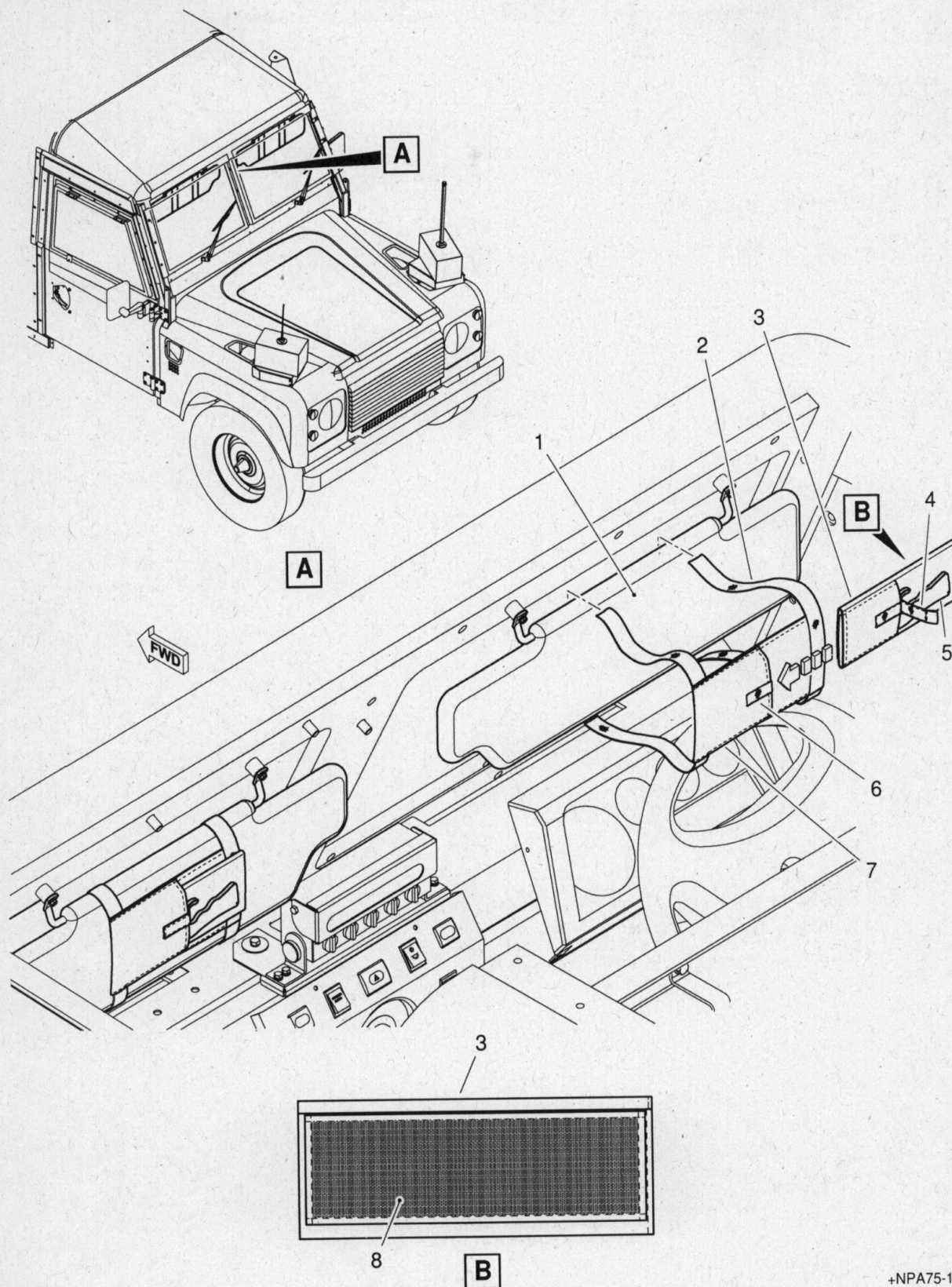
PERSONAL INJURY. THE SEATBELT CUTTERS ARE VERY SHARP AND CAN CAUSE INJURIES IF NOT HANDLED OR USED WITH CARE. ALWAYS RETURN THE SEATBELT CUTTER TO ITS POUCH WHEN NOT IN USE.

13.3 Identify a seat belt cutter in pouch (Item 1)(5 and 3) and fold so that the Velcro material (8) of the pouch (3) is facing outwards, as shown in Fig 3.

13.4 Insert the seat belt cutter in pouch into the sun visor pouch in the orientation shown in Fig 3, with the handle of the seat belt cutter facing the RH side of the vehicle. The Velcro material (8) on the rear of the pouch will now engage with the Velcro material on the RH fastening leg (2).

13.5 Taking care not to injure fingers, ensure the seat belt cutter is secured in position within the pouch using the Velcro tab (4), which engages with the sun visor pouch Velcro strip (6).

13.6 Repeat this procedure to install a sun visor seat belt cutter to the LH sun visor. Note the orientation shown in Fig 3, with the seat belt cutter handle facing the RH side of the vehicle.



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|-----------------|--------------------------------|
| 1 Sun visor | 5 Seat belt cutter |
| 2 Fastening leg | 6 Sun visor pouch Velcro strip |
| 3 Pouch | 7 Sun visor pouch |
| 4 Velcro tab | 8 Velcro material |

Fig 3 Sun visor seat belt cutters installation

TESTING AFTER EMBODIMENT

14 Nil.

EFFECT ON WEIGHT

MODIFICATION INSTRUCTION NO. 23

Publications Agency:
DE&S
Project No: RE0049
File ref: PMT/04/0410/09/05

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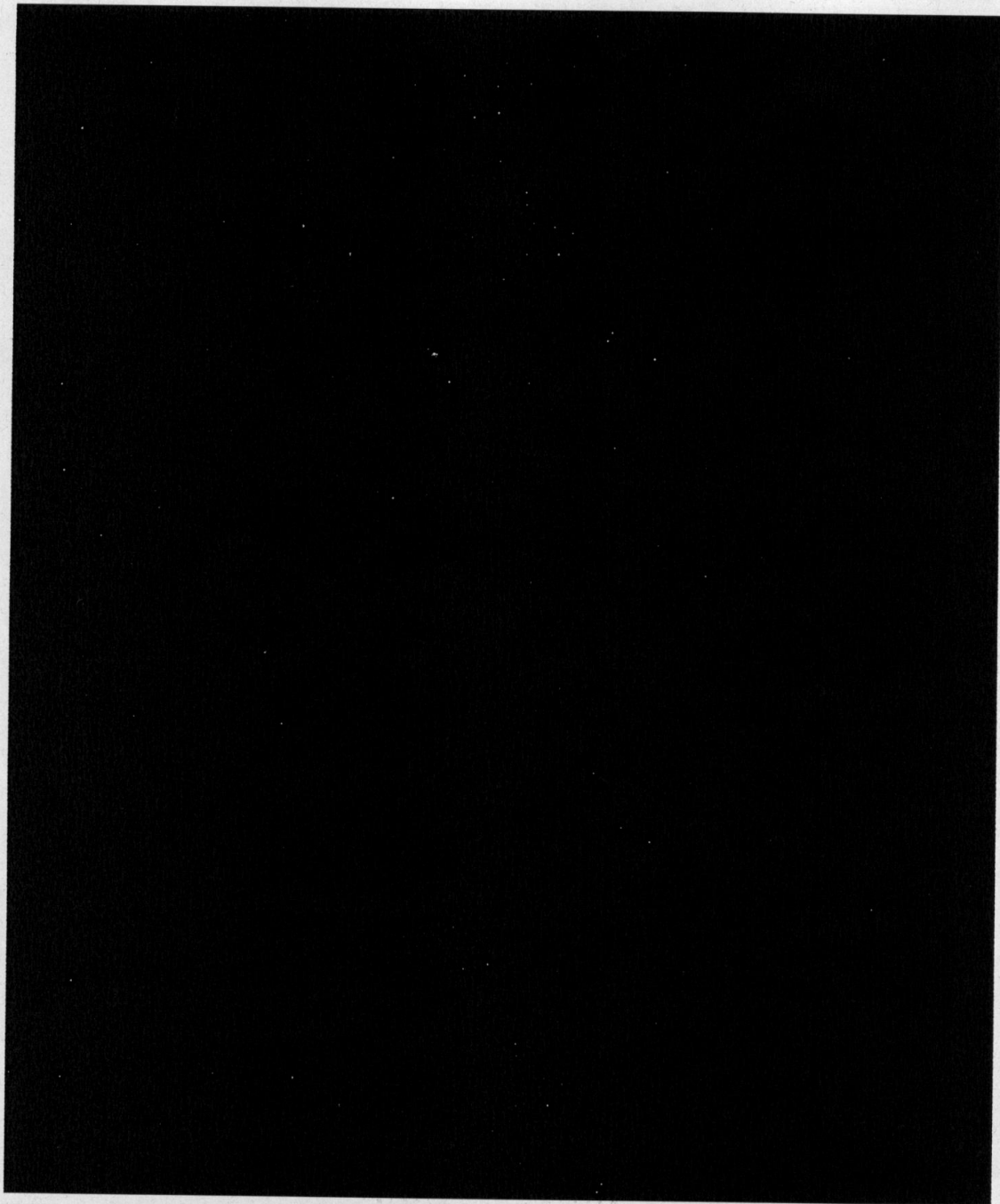
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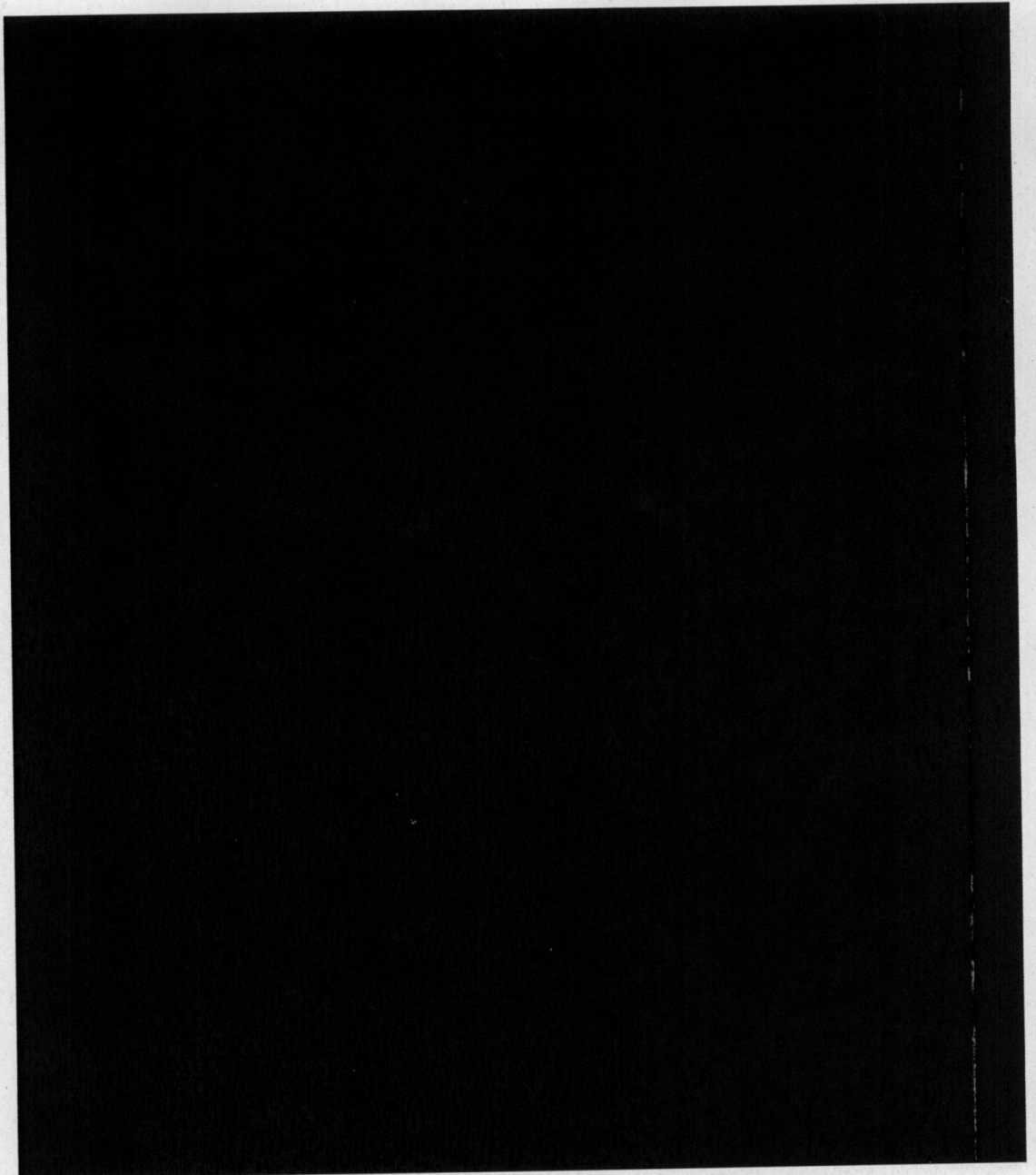
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**TRUCK UTILITY MEDIUM (HS) W/VPK
BODY AND ASSOCIATED EQUIPMENT**

MODIFICATION INSTRUCTION NO. 25

Sponsor:
CWG PMT

Publications Agency:
DE&S
Project No: UOR AO1431
File ref: PMT/04/0410/09/14/08

AMENDMENT RECORD

Amdt No.	Incorporated By (Signature)	Date
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SUBJECT: An instruction detailing the installation of an additional dipstick support bracket – (SNATCH-VIXEN PLUS).

INTRODUCTION

1 The additional dipstick support bracket has been introduced to supplement the existing bracket and bolts in place, using an existing fixing. Failure to the existing bracket has occurred leading to the detachment of the dipstick boss from the transmission sump, resulting in loss of transmission fluid. The introduction of this modification will prevent this.

1.1 This Modification instruction details the installation procedure to be adopted.

1.2 Limitations on use of equipment. Nil.

APPLICABILITY

2 Truck Utility Medium (HS) W/VPK SNATCH – VIXEN PLUS:

2.1 Fitted to subject Equipment Asset Code – (EAC) NB5004-3101 held by user units.

2.2 Unmodified stock, held at all levels of technical storage.

REASON FOR MODIFICATION

3 Reason for modification:

3.1 Code 3 – to improve reliability.

PRIORITY

4 ARMY: Immediate.