

ROUTINE

MWO effective date is 1 June 1996 and completion date is 31 May 2005

MWO 9-2320-280-35-2

MODIFICATION WORK ORDER

MODIFICATION OF THE HIGH MOBILITY MULTI-PURPOSE WHEELED VEHICLE M998 SERIES

3-POINT SEATBELT RESTRAINT SYSTEM FOR BASIC ARMORED AND NON-ARMORED VEHICLES

NOMENCLATURE	NSN
Truck, Utility: Cargo/Troop Carrier	
M998	2320-01-107-7155 (EIC: BBD)
M1038	2320-01-107-7156 (EIC: BBE)
Truck, Utility: S250 Shelter Carrier	
M1037	2320-01-146-7193 (EIC: BBK)
M1042	2320-01-146-7189
Truck, Ambulance: 2-Litter, Soft-Top	
M1035	2310-01-146-7194
Truck, Utility: TOW Carrier, Armored	
M966	2320-01-107-7153 (EIC: BBC)
M1036	2320-01-107-7154 (EIC: BBH)
Truck, Utility: Armament Carrier, Armored	
M1025	2320-01-128-9551 (EIC: BBF)
M1026	2320-01-128-9552 (EIC: BBG)

Headquarters, Department of the Army, Washington, D.C.

1 June 1996

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028-2 (Recommended Changes to Equipment Technical Publications), through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is <http://aeaps.ria.army.mil>. If you need a password, scroll down and click on "ACCESS REQUEST FORM". The DA Form 2028 is located in the ONLINE FORMS PROCESSING section of the AEPS. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, fax or E-mail your letter, DA Form 2028, or DA Form 2028-2 direct to: Commander, U.S. Army Tank-automotive and Armaments Command, ATTN: AMSTA-LC-CIP-WT, Rock Island, IL 61299-7630. The email address is TACOM-TECH-PUBS@ria.army.mil. The fax number is DSN 793-0726 or Commercial (309) 782-0726.

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED.

1. PURPOSE.

This modification provides instructions for installing 3-Point Seatbelts on the front and rear seats of selected Basic Armored and Non-Armored HMMWV models. The 3-Point Seatbelt is a safer and more effective restraint system than the 2-Point Seatbelt System.

2. Priority

This modification is classified as ROUTINE.

3. END ITEM TO BE MODIFIED

a. Selected vehicles as identified by serial numbers 1 through 99,999, inclusively:

NOMENCLATURE	NSN	PART NO.	CAGEC	MODEL NO.
Truck, Utility: Cargo/Troop Carrier, 1-1/4 ton, 4x4	2320-01-107-7155	8750057	19207	M998
	2320-01-107-7156	8750058	19207	M1038
Truck, Utility: S250 Shelter Carrier, 1-1/4 ton, 4x4	2320-01-146-7193	8750117	19207	M1037
	2320-01-146-7187	8750124	19207	M1042
Truck, Ambulance: 2-Litter Soft-top, 1-1/4 ton, 4x4	2310-01-146-7194	8750116	19207	M1035
Truck, Utility: TOW Carrier, Armored, 1-1/4 ton, 4x4	2320-01-107-7153	8750058	19207	M966
	2320-01-107-7154	8750050	19207	M1036
Truck, Utility, Armament Carrier, Armored 1-1/4 ton, 4x4	2320-01-128-9551	8750124	19207	M1025
	2320-01-128-9552	8750123	19207	M1026

b. Vehicle National Stock Number (NSN) will not change as a result of this MWO.

4. MODULE TO BE MODIFIED.

Not applicable.

5. PARTS TO BE MODIFIED.

Not applicable.

6. APPLICATION.

a. Time Compliance Schedule: The effective date of this MWO is 1 June 1996 and its completion date is 31 May 2005.

b. The lowest level of maintenance authorized to apply the MWO is Direct Support. Initial Application of the MWO will be by Contract Maintenance Retrofit Teams.

c. Work force and man-hour requirements for application of this MWO to a single unit, end item, or system:

REQUIREMENTS (FRONT SEAT, NON-ARMORED)	
WORK FORCE/SKILLS	MAN-HOURS
Two-Wheeled Vehicle Mechanics (MOS 63W) or equivalent	7.5
Total man-hours required for a single application of this section of the MWO is 15 hours.	

REQUIREMENTS (REAR SEAT, NON-ARMORED)	
WORK FORCE/SKILLS	MAN-HOURS
Two-Wheeled Vehicle Mechanics (MOS 63W) or equivalent	2.5
Total man-hours required for a single application of this section of the MWO is 5 hours.	

REQUIREMENTS (FRONT AND REAR SEAT, BASIC ARMORED)	
WORK FORCE/SKILLS	MAN-HOURS
Two-Wheeled Vehicle Mechanics (MOS 63W) or equivalent	16
Total man-hours required for a single application of this section of the MWO is 32 hours.	

7. TECHNICAL PUBLICATIONS AFFECTED/CHANGED AS A RESULT OF THIS MWO.

<u>Technical Publication</u>	<u>Date</u>
TM 9-2320-280-10	18 June 1991
TM 9-2320-280-20	19 June 1990
TM 9-2320-280-20P	22 August 1991
TM 9-2320-280-34	20 August 1991
TM 9-2320-280-34P	22 August 1991

8. MWO KITS, PARTS, AND THEIR DISPOSITION.

8.1. FRONT SEAT, NON-ARMORED VEHICLE.

a. The following kit is required to accomplish this modification. The security classification of this kit is unclassified. Shipping data is: weight 49.00 lbs.; the kit measures 30.8 x 24.3 x 22.5 in.; its volume is 9.745 cu ft.

NSN	NOMENCLATURE	CAGEC	PART NO.
2540-01-387-4018	3-Point Seatbelt Retrofit Kit, Front Seat, Non-Armor	19207	57K0202

b. Non-Armor, Front Seat, 3-Point Seatbelt Retrofit Kit component parts are listed below. This listing is used to inventory the kit for completeness.

NSN	NOMENCLATURE	CAGEC	PART NO.	QTY.
9905-00-858-5682	Plate, Instruction, MWO	19207	10930014	1
2540-01-318-9229	Seat Assembly	19207	12338503-1	1
9905-01-203-9995	Decal	19207	12339101	1
5306-01-315-7086	Bolt	19207	12340259-3	2
5306-01-316-1456	Bolt	19207	12340259-6	2
5306-01-316-2433	Bolt	19207	12340259-7	2
5310-01-286-6077	Washer	19207	12341856	6
5340-01-334-4241	Bracket Assembly	19207	12342372	2

NSN	NOMENCLATURE	CAGEC	PART NO.	QTY.
2540-01-315-3358	Seatbelt Assembly	19207	12342377-1	1
2540-01-315-3143	Seatbelt Assembly	19207	12342377-2	1
	Reinforcement	19207	12342379	1
	Reinforcement	19207	12342380	1
	Reinforcement Assembly	19207	12342385	1
	Reinforcement Assembly	19207	12342386	1
	Bracket Assembly	19207	12342683	2
	Reinforcement	19207	12342731	2
	"B" Pillar Padding Assembly	19207	12342954	1
	"B" Pillar Padding Assembly	19207	12342955	1
	Extension Assembly	19207	12342959	2
5320-01-023-2529	Rivet	81349	M24243/1-A404	16
5320-01-135-7319	Rivet	81349	M7885/2-6-3	42
5315-00-814-3529	Pin	96906	MS16562-20	2
5305-00-253-5614	Screw, Drive	96906	MS21318-20	1
5310-00-809-4058	Washer	96906	MS27183-10	8
5310-00-241-6658	Nut	96906	MS51943-34	4
5320-01-254-2547	Rivet	80205	NAS9303B-6-3	12
5305-01-016-5469	Screw	24617	186676	8
5310-01-119-1024	Washer	24617	2436162	16
5310-00-809-4085	Washer	24617	2436164	2
5306-01-244-7882	Screw	24617	454869	16
	Screw	24617	454970	2

c. Bulk and expendable material.

NSN	NOMENCLATURE	CAGEC	PART NO.	QTY.
8040-01-154-0038	Depend no-mix adhesive	05972	00206	2
7510-00-074-4961	Tape, pressure sensitive	81348	PPP-T-60	1

d. Parts Disposition. All parts removed and not reused during installation will be returned to stock for disposition in accordance with AR 725-50.

8.2 REAR SEAT, NON-ARMORED VEHICLE.

a. The following kit is required to accomplish this modification. The security classification of this kit is unclassified. Shipping data is: weight 13.00 lbs.; the kit measures 14.3 x 10.3 x 7 in.; its volume is 0.597 cu ft.

NSN	NOMENCLATURE	CAGEC	PART NO.
2540-01-387-4036	3-Point Seatbelt Retrofit Kit, Rear Seat, Non-Armor	19207	57K0203