

ROUTINE

MWO effective date is 1 September 2002 and completion date is 31 December 2003.

MWO 9-2320-387-20-1

MODIFICATION WORK ORDER

MODIFICATION OF 1-1/4 TON VEHICLE EXPANDED CAPACITY VEHICLE M1113 AND M1114

REAR DIFFERENTIAL COOLER MODIFICATION KIT

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

1 September 2002

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

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1. PURPOSE.

This modification provides instructions for installing rear differential cooler system on the expanded capacity vehicles. The rear differential cooler eliminates internal heat buildup during use in desert-like conditions.

2. PRIORITY.

This modification is classified as ROUTINE.

3. END ITEM TO BE MODIFIED.

- a. Selected vehicles as identified by serial number 192,464 and below.

NOMENCLATURE	NSN	PART NO.	CAGEC	MODEL
Truck, Utility, Expanded Capacity, 4x4				
Shelter Carrier	2320-01-412-0143	87T0014	19207	M1113
Up-Armored Carrier	2320-01-413-3739	87T0015	19207	M1114

- 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 July 2002 and its completion date is 31 December 2003.

- b. The lowest level of maintenance authorized to apply this MWO is organizational.

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

REQUIREMENTS	
WORK FORCE/SKILLS	MAN-HOURS
One Wheeled Vehicle Mechanic (MOS 63B) or equivalent	12.0
Total man-hours required for a single application of this MWO	12.0

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

<u>TECHNICAL PUBLICATION</u>	<u>DATE</u>
TM 9-2320-387-10	Oct 97
TM 9-2320-387-24	Dec 97
TM 9-2320-387-24P	Sep 98

8. MWO KITS, PARTS, AND THEIR DISPOSITION.

a. The following kit is required to accomplish this modification. The security classification of the kit is unclassified. Shipping data is: Weight 30 lbs; the kit measures 58.8 x 16.6 x 8.3 in.; its volume is 4.050 cu. ft.

NSN	NOMENCLATURE	CAGEC	PART NO.
2520-01-493-7899	Rear Differential Cooler Modification Kit	19207	57K3586

b. Rear Differential Cooler Modification Kit component parts are listed below. The 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
4730-01-413-8244	Clamp	19207	11608950-1	3
4730-01-461-9362	Clamp	19207	11608950-14	2
5365-01-272-8376	Spacer, Sleeve	19207	12338186-61	2
5340-01-197-5477	Plate, Reinforcement	19207	12339006	1
4730-01-409-1204	Tee	19207	12447077	1
5306-01-488-6213	Screw	19207	12448438-18	12
4720-01-488-6218	Hose	19207	12469224	1
4720-01-488-6220	Hose	19207	12469225	1
	Wrap, Spiral	19207	12469440-1	1
	Wrap, Spiral	19207	12469440-2	1
4810-01-488-6225	Valve, Manifold	19207	12469456	1
4720-01-488-6230	Hose	19207	12469499	1
4720-01-488-6232	Hose	19207	12469500	1
5340-01-488-6234	Cooler Cover Assembly	19207	12469504	1
	Tube	19207	12469505	1
4710-01-488-6236	Tube	19207	12469506	1
4710-01-488-6237	Tube	19207	12469507	1
4720-01-488-6243	Tube	19207	12469508	1
4710-01-488-6241	Tube	19207	12469509	1
4710-01-488-6311	Tube	19207	12469510	1
4710-01-488-6424	Hose	19207	12469511	2
4710-01-488-6426	Hose	19207	12469512	2
5305-00-253-5614	Screw, Drive	96906	MS21318-20	1
5340-00-764-7051	Clamp	80205	MS21333-69	2
5340-00-809-1492	Clamp	80205	MS21333-100	6
5340-00-901-8132	Clamp	80205	MS21334-26	2
5310-00-013-0622	Nut	96906	MS21083-N08	2
5975-01-074-2072	Strap, Tiedown	96906	MS3367-3-0	4
5975-01-166-0092	Strap, Tiedown	96906	MS3367-6-0	1
5310-00-061-4650	Nut	81349	M45913/4-4CG8Z	3
5310-00-814-0673	Nut	81349	M45913/4-5CG8Z	2
5310-00-935-9021	Nut	81349	M45913/4-6CG8Z	1
5310-00-012-0214	Lockwasher	24617	120214	1
5310-00-582-5965	Lockwasher	24617	120380	4
5310-00-012-0423	Lockwasher	24617	120423	4
	Screw, Self-tapping	24617	171027	2
5310-01-102-3270	Washer	24617	2436161	5
5305-00-115-9934	Screw	24617	9415763	2
5310-00-013-1015	Washer	24617	9423534	4
5305-00-071-2509	Screw	80204	B1821BH025C175N	1
5305-00-071-2510	Screw	80204	B1821BH025C200N	2
	Union	81343	6 070101	2
4730-01-488-6433	Adapter	81343	6-4 070102	1
4730-00-491-9576	Adapter	81343	6-6 070120	2
	Tee	81343	6-6-6 070432	1