

TRUCK MEDIUM MC2 (UNIMOG) - ALL TYPES  
TRANSMISSION OIL DISTRIBUTION PIPE  
MODIFICATION INSTRUCTION

This instruction is authorised for use by command of the Chief of the General Staff. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with GENERAL A 001.

Authority: Issue of this EMEI is authorized by CONMEA.

Introduction

1. This instruction details the fitting of a modified transmission oil distributor pipe to the transmission. The modified pipe ensures that lubricant is directed at the mesh points of the transmission gear train and to the shaft bearings. This prevents premature failure of the fourth/eighth gear train and its support bearing.

Note:

1. NSN and Designation used in this instruction were current at the date of issue. If 12 months or more have expired since issue, the NSN should be checked for supersession.

General

2. Estimated Modification Time. 1.2 hr (initial planning only).
3. Priority. Group 2. The modification is to be carried out as soon as practicable.
4. Modification to be Applied to. All subject vehicles.
5. Item Affected. Transmission.
6. Action Required. By RAEME units authorised to carry out unit, field and base repairs.

TABLE 1 - STORES REQUIRED TO COMPLETE THE MODIFICATION  
[to be demanded through Brisbane Logistic Group (BLG)]

Item	MPN/NSN	Designation	Qty per Equip
1	003770015000	SEAL RING, ROUND SECTION 15 x 2.5MM	1
2	4252610180	GASKET	1
3	4252610180	GASKET	1
4	NIC	PIPE (MODIFIED BY BLG)	1

TABLE 2 - COMPONENT TO BE FORWARDED TO BLG FOR MODIFICATION BY WORKSHOP

Item	MPN/DSN	Designation	Qty per Equip
1	4252600985	PIPE (UNMODIFIED)	1

Detail

7. The modification is to be carried out as follows:
- a. Remove the spare wheel.
  - b. Clean the areas around the selector housing and rear bearing cap.
  - c. Remove the selector housing from the left hand side of the transmission.
  - d. Remove the bearing cap from the rear of the transmission and note the number of shims.
  - e. Withdraw the transmission oil distributor pipe from the transmission housing.
  - f. Install the o-ring (Item 1, Table 1) on the modified transmission oil distributor pipe and fit to the transmission. Ensure that the pipe is correctly seated at both ends.
  - g. Insert the shims and refit rear bearing cap using a new gasket (Item 3, Table 1) and Loctite 587.
  - h. Refit the selector housing using a new gasket (Item 2, Table 1) and Loctite 587.
  - i. Check and top up transmission oil level as required. Use OMD 115.
8. Modification Record. On completion of the modification stamp the letter "M" at the end of the gearbox serial number. The serial number is situated at the rear of the gearbox.
9. Recording. Enter the details of the modification in Part 3 of the GM 120, Record Book for Service Equipment, for the subject vehicles.

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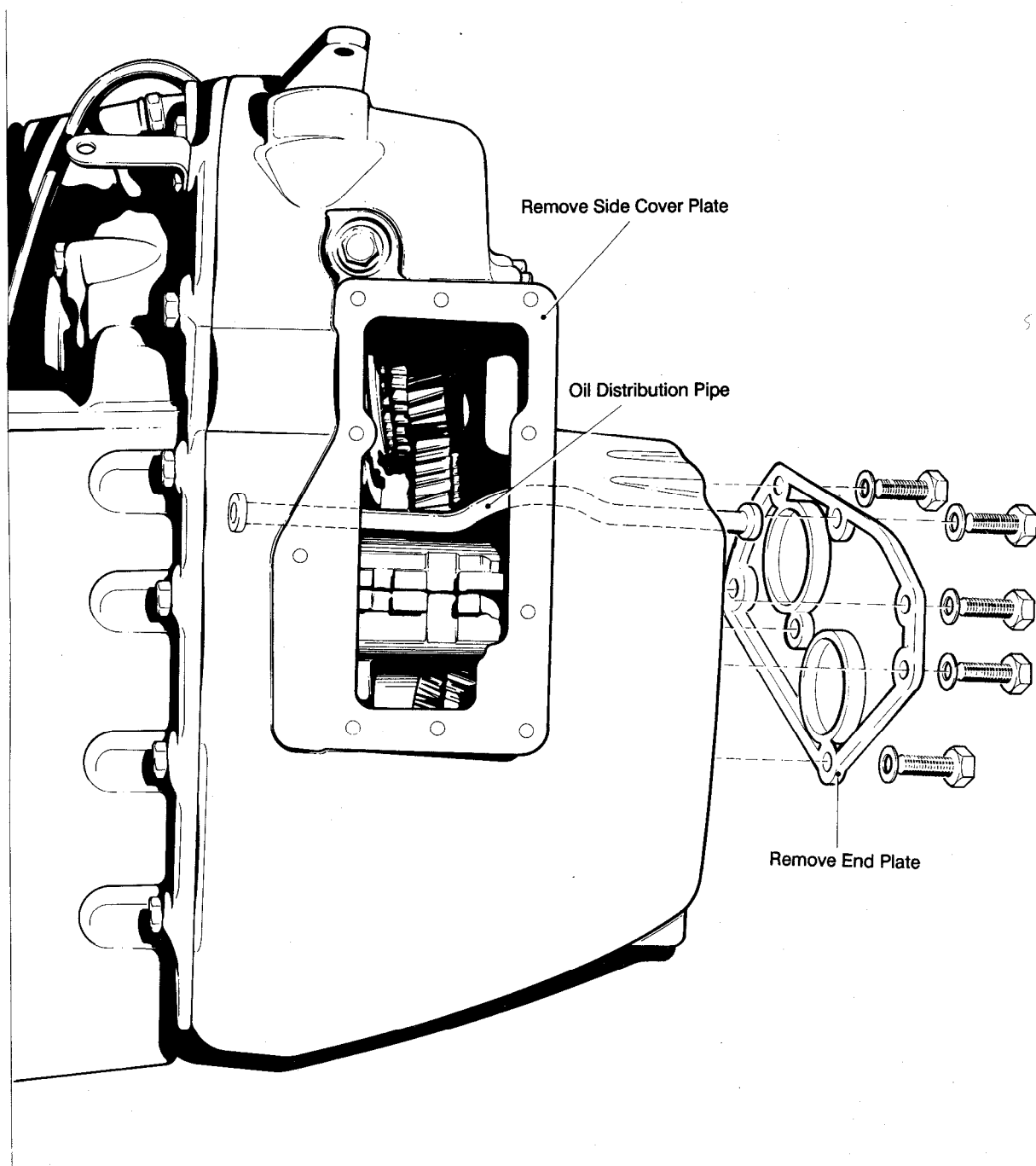


FIG 1 - UNIMOG TRANSMISSION OIL DISTRIBUTION PIPE

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