

TRUCK TRANSPORTER, FLOATING BRIDGE, MC3, W/WINCH, MACK, LAUNCH AND RECOVERY VEHICLE (LRV)

REPLACEMENT OF HYDRAULIC PUMP

MODIFICATION INSTRUCTION

This instruction is authorised for use by command of the Chief of Army. 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.

Introduction

1. This instruction details the replacement of the hydraulic pump on the Launch and Recovery Vehicle, NSN 2320-66-131-6653, to improve the operation of the hydraulic filtration system. All work was undertaken by Transfield Pty Ltd in 1993/94. This instruction aims to ensure the modification is recorded so that fleet configuration can be managed, and to ensure that future maintainers and operators are aware of the modification.

2. **Authority.** Authorisation for the modification is ECO EWE 5025.

General

3. **Modification Application.** This modification was applied to all Launch and Recovery Vehicles.

4. **Items Affected.** The modification affected the following items:

- a. hydraulic pump,
- b. return filter, and
- c. filter clogging indicator.

5. **Priority - Group 2.** The vehicles were modified as the fleet was rotated through Transfield.

6. **Action Taken.** All applicable equipment was modified by Transfield Pty Ltd with repairs being coordinated by AMMA.

Detail

7. The procedure was as follows:

- a. The hydraulic pump was removed and replaced with a Hamworthy Brand, PA1913B pump.

- b. The hydraulic system was cleaned and flushed of all contamination.
- c. The ram seals were replaced where necessary.
- d. The hydraulic return filter assembly was replaced.
- e. A filter clogging indicator was fitted to the operator panel.
- f. The hydraulic oil was replaced.
- g. The hydraulic system was tested and the pressure relief valve set for correct operation for pick-up and deployment of the modules.

NOTE

On receipt of this instruction, all units holding the equipment are to enter all relevant information in the modifications section of the Launch and Recovery Vehicle Record Book for Service Equipment (GM 120).

8. **Recording Action.** On receipt of the modification instruction, all units are to ensure that the modification has been carried out. If the modification has not been carried out, the unit is to inform the National Fleet Manager of the ARN of the vehicle. If the modification has been carried out, the following action is to be taken:

- a. Deface the number 14 on the equipment modification record plate.
- b. Complete the modification details in the Launch and Recovery Vehicle Record Book for Service Equipment (GM 120).

END

List VEH G 59.0 – Code 3 (Job No 9702258)