

TRUCK, UTILITY, LIGHTWEIGHT, MC2, LAND ROVER 110 4X4 – ALL TYPES

IDENTIFICATION OF REAR BRAKE BACKING PLATES

MISCELLANEOUS 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 EMEI General A 001.

GENERAL

Introduction

1. The backing plates fitted to the Land Rover 4X4 rear axle have slight differences between the left and right-hand sides. If the backing plates are fitted incorrectly it is impossible to obtain full and correct brake shoe adjustment due to the adjusting cams on the backing plate not aligning with the adjusting pins on the brake shoes. This instruction will describe the common differences between the two backing plates to allow for easy identification of the two sides.

Associated Publications

2. Reference may be necessary to the latest issue of the following documents:
- [EMEI Workshop E 410](#) – Hazardous Substances – Occupational Health and Safety Instruction – Asbestos;
 - [RPS 02188 – Group MEA](#);
 - [Electronic Supply Chain Manual \(ESCM\)](#); and
 - Current version of the Technical Regulation of Army Materiel Manual (TRAMM) (available from DTR-A website <http://intranet.defence.gov.au/armyweb/Sites/DTRA>).

WARNING

New brake shoes provided by Land Rover do not contain asbestos. Older brake shoes still fitted to vehicles may contain asbestos. If it is unknown as to whether the brake shoe material contains asbestos, then the brake shoes are to be disposed of in accordance with EMEI Workshop E 410.

Do not use compressed air to blow dust from the brake assembly. Dust from the brake linings can be a health risk if inhaled.

3. Table 1 lists the unique identifiers for the backing plate.

Table 1 Backing Plate Identification

Serial	Description	RPS Item	NSN	Manu P/No
1	Backing plate right-hand	02188 MEA 001	2530-99-797-4653	AEU 2496
2	Backing plate left-hand	02188 MEA 901	2530-99-797-4654	AEU 2497

4. Identify the left and right-hand backing plates currently fitted to the Land Rover 4X4 by positioning the backing plate with the wheel cylinder mounting recess in the 12 o'clock position. The backing plates can be identified as follows:

- a. **Right-hand.** The rear (left, as shown) brake adjuster is higher than the front (right, as shown) adjuster (Figure 1). On most backing plates, there is a hole to the right of the centre line near the axle mounting holes.

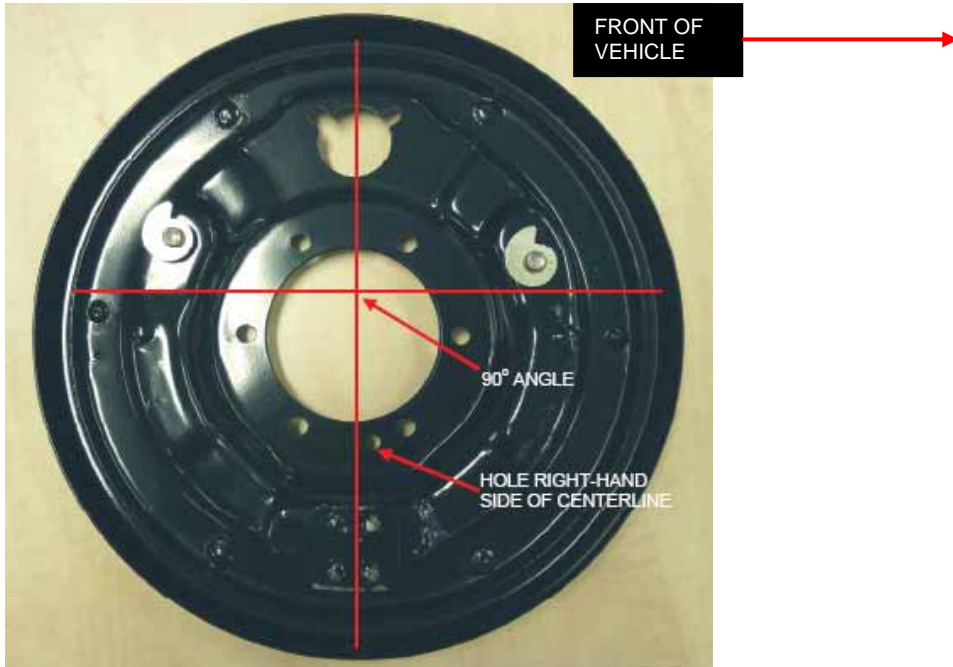


Figure 1 Right-hand Backing Plate

- b. **Left-hand.** The rear (right, as shown) brake adjuster is higher than the front (left, as shown) adjuster (Figure 2). On most backing plates, there is a hole to the left of the centre line near the axle mounting holes.

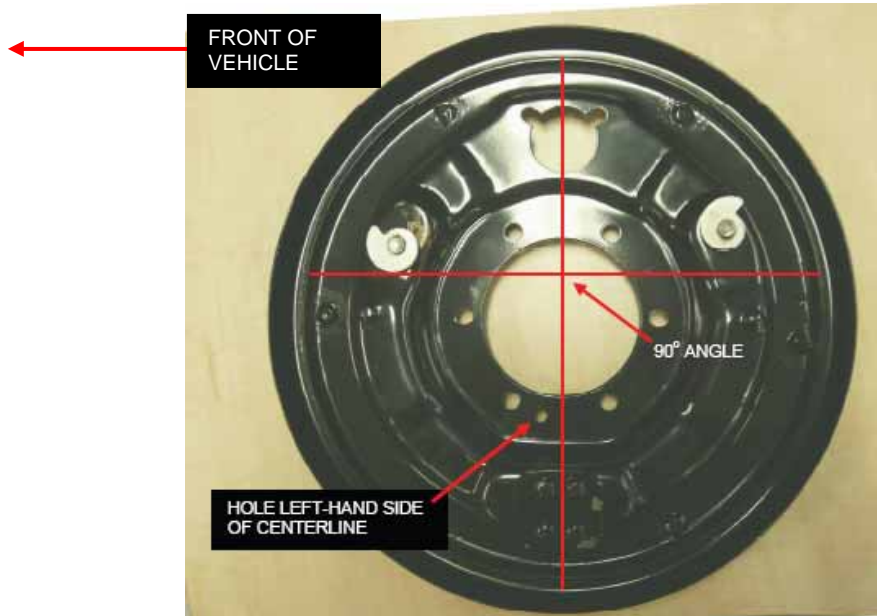


Figure 2 Left-hand Backing Plate

END

Distribution List: VEH G 16.0 – Code 1 (Maint Level)
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