Introduction

1. This instruction details the fitting of a brake caliper protection shroud to each wheel station. The shrouds will prevent the ingress of foreign matter into the caliper housings and their subsequent damage.

Note:

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

General

2. Estimated Manhours to Perform. 1.2 hrs (initial planning only).

   a. All equipments on issue to units are to be modified when next in workshop for major servicing/repairs.
   b. All equipments held by supply depots should normally be modified before issue. However, where this would delay priority issue, equipments may be released unmodified provided their record books are endorsed with details of the outstanding modification.

4. Modification to be Applied to. All subject trucks up to and including ARN 39021.

5. Items Affected. Front and rear axle assemblies.

6. Action Required. By RAEME workshops and support elements authorised to carry out unit, field and base repairs, in accordance with WKSP A 850.

TABLE 1 - STORES REQUIRED (To be demanded through normal supply channels)

<table>
<thead>
<tr>
<th>Item</th>
<th>NSN</th>
<th>Designation</th>
<th>Qty per Equip</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2530-66-126-8653</td>
<td>RING PROTECTION BRAKE</td>
<td>4</td>
</tr>
<tr>
<td>2.</td>
<td>5340-66-126-8702</td>
<td>BRACKET</td>
<td>16</td>
</tr>
<tr>
<td>3.</td>
<td>5305-12-141-9888</td>
<td>SCREW HEX HD M 10 BY 20</td>
<td>30</td>
</tr>
<tr>
<td>4.</td>
<td>5305-12-156-4858</td>
<td>SCREW HEX HD M 10 BY 35</td>
<td>2</td>
</tr>
<tr>
<td>5.</td>
<td>5310-12-156-5471</td>
<td>WASHER 10.5 MM ID</td>
<td>16</td>
</tr>
<tr>
<td>6.</td>
<td>5310-66-126-8703</td>
<td>NUT LOCK</td>
<td>18</td>
</tr>
<tr>
<td>7.</td>
<td>5975-12-154-5951</td>
<td>CABLE BINDER</td>
<td>6</td>
</tr>
<tr>
<td>8.</td>
<td>8030-66-024-3246</td>
<td>SEALING COMPOUND (LOCTITE 271) 10 ML</td>
<td>As Required</td>
</tr>
</tbody>
</table>
TABLE 2 - STORES REMOVED (To be disposed of in accordance with GEN P series)

<table>
<thead>
<tr>
<th>Item</th>
<th>NSN</th>
<th>Designation</th>
<th>Qty per Equip</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2530-98-856-2457</td>
<td>PLATE PROTECTIVE</td>
<td>4</td>
</tr>
</tbody>
</table>

Detail

7. With the wheels removed proceed with the modification as follows:
   a. Remove and discard the protection plate (item 1, Table 2) from each wheel station.
   b. Thoroughly clean all external components of each wheel station.
   c. Inspect all brake components and replace where necessary.
   d. Using Fig 1 as a guide, loosely fit a protection shroud mounting bracket (item 2, Table 1) to the lower rear mounting hole of each front axle wheel station using bolts, washers and locknuts (items 4, 5 and 6 Table 1).
   e. Using Figs 1 and 2 as a guide, loosely fit the remaining 14 shroud mounting brackets to the wheel stations using (Loctited) screws and washers (items 3, 5 and 8 Table 1).
   f. Secure the brake pad wear sensor wire plug receptacles to the appropriate shroud mounting brackets as shown in Figs 1 and 2.
   g. Secure the brake pad wear sensor wires using cable ties (item 7, Table 1) as shown in Figs 1 and 2.
   h. Slide the brake protection shrouds (cut away section to the top) over the wheel stations ensuring the shroud will clear the sensor wires (L/H side only).
   i. Align the shroud and mounting bracket holes and insert the securing screws (item 3, Table 1) from the outside, fit the locknuts and torque to 40 Nm.
   j. Torque the mounting bracket to axle housing securing screws to 40 Nm.
   k. Remove the shroud to mounting bracket screws and locknuts. Slide the shrouds off slightly and torque the brake line union bracket securing nut to 40 Nm (front axle only).
   l. Slide the shrouds back into position, retit screws and locknuts and torque to 40 Nm.
   m. Fit the wheels and torque the wheel nuts to 400 Nm.

Note:

   1. Wheel nuts must be retorqued after 50 km.
FIG 1 - MOUNTING DETAILS (FRONT AXLE)

FIG 2 - MOUNTING DETAILS (REAR AXLE)

RESTRICTED
FIG 3 = COMPLETED MODIFICATION

Modification Record Plate

8. The modification when completed is to be recorded by defacing the numeral 9 on all trucks including those modified in production.