

Service Manual

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802 *Super*

Published by the
TECHNICAL PUBLICATIONS DEPARTMENT
of
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Leek Road, Cheadle
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Publication No. 9803/3140 Issue 4

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Introduction

This publication is designed for the benefit of JCB Distributor Service Engineers who are receiving, or have received, training by JCB Technical Training Department.

It is assumed that these personnel have a sound knowledge of workshop practice, safety procedures and general techniques associated with the maintenance and repair of hydraulic earthmoving equipment. Therefore, these basic subjects generally are omitted from this manual, the intention being to convey only more specialised information concerning particular aspects of a machine or component.

For example, renewal of oil seals, gaskets etc., and any component showing obvious signs of wear or damage is expected as a matter of course and, therefore, information of this nature is included only in the context of specialised procedures or where a range of wear tolerances is required. Similarly, it is expected that components will be cleaned and lubricated where appropriate, also that any opened hose or pipe connections will be blanked to prevent excessive loss of hydraulic fluid and ingress of dirt. Finally, please remember above all **SAFETY MUST COME FIRST!**

The manual is compiled in sections, the first three are numbered and contain information as follows:

- 1** = **General Information** - includes torque settings and service tools
- 2** = **Care & Safety** - includes warnings and cautions pertinent to aspects of workshop procedures etc.
- 3** = **Routine Maintenance** - includes service schedules and recommended lubricants for the machine.

The remaining sections are alphabetically coded and deal with Dismantling, Overhaul etc. of specific components, for example:

- A** = **Attachments**
- B** = **Body & Framework** ... etc.

The page numbering in each alphabetically coded section may not be continuous. This allows for the insertion of new items in later issues of the manual.

Section contents, technical data, circuit descriptions, operation descriptions etc. are inserted at the beginning of each alphabetically coded section.

All sections are listed on the front cover; tabbed divider cards align directly with individual sections on the front cover for rapid reference.

Illustrations which show a dismantled component are numbered as a guide to the dismantling sequence, which generally can be reversed for assembly.

Torque settings are given as a 'mean' figure which may be varied by plus or minus 3%. Torque figures indicated are for dry threads, hence for lubricated threads may be reduced by one third.

'Left Hand' and 'Right Hand' are as viewed from the rear of the machine.

References to alternative servicing intervals are to be treated on a 'whichever occurs first' basis.

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IDENTIFYING YOUR MACHINE

The machine has a Data Plate attached to the left hand front face of the machine.

The serial numbers of the machine, engine and gearboxes are stamped on this plate.

If the engine is replaced, stamp the new serial number in place of the old one.

Explanation of Vehicle Identification Number (VIN)


Code	A	B	C	D	E
Example	SLP	0802	X	E	0732450


- A** World Manufacturer Identification SLP = JCB
- B** Machine Model 0802 = 802
- C** Year of Manufacture
 - R = 1994 W = 1998 2 = 2002
 - S = 1995 X = 1999 3 = 2003
 - T = 1996 Y = 2000 4 = 2004
 - V = 1997 1 = 2001 5 = 2005
- D** Manufacturers Location E = England
- E** Machine Serial Number 0732450

Explanation of Engine Identification Number

Code	A	B	C	D	E
Example	KE	50390	J	000001	y


- A** Engine Type
- B** Engine Parts List
- C** Country of Manufacture
- D** Engine Serial Number
- E** Year of Manufacture





J C BAMFORD EXCAVATORS LTD
ROCESTER, STAFFS, ENGLAND
CONSTRUCTOR

OSEN ISO9001



FM 14063

VIN Vehicle Identification Number

Product Identification Number

ENGINE SERIAL NUMBER

LH TRACK GEARBOX SERIAL NUMBER

SLEW GEARBOX SERIAL NUMBER

RH TRACK GEARBOX SERIAL NUMBER

WEIGHT kg

ENGINE POWER kW @ RPM

YEAR OF MANUFACTURE

H04343

STORAGE**Preparation for Storage**

The operations to place a machine into storage (-15°C to 44° C) are given below.

- 1 Park the machine safely with the bucket and dipper rams retracted and the dig end outstretched. Lower the boom until the bucket rests on the ground. Lower the dozer to the ground.
- 2 Switch off the engine. Operate controls to release pressure from the rams.
- 3 Disconnect battery to prevent discharge.
- 4 Ensure the fuel tank is filled to a maximum, leaving no air space.
- 5 Ensure hydraulic tank is filled to maximum on the sight gauge.
- 6 Spray exposed ram rods with Waxoyl.
- 7 Slacken off rubber tracks until no visible spring tension exists.

Preparation after Storage

The operations to remove a machine from storage (-15°C to 44° C) and prepare it for use are given below.

- 1 Lower the fuel level to ensure that sufficient air space exists in the tank.
- 2 Check all oil and water levels, adjust contents to correct levels as necessary.
- 3 Ensure the battery is fully charged.
- 4 Reconnect battery.
- 5 Remove electrical contact from fuel injection pump solenoid.
- 6 Crank engine for 15 seconds or until oil pressure warning light goes out.
- 7 Reconnect electrical supply to the fuel injection pump solenoid.
- 8 Start the engine. If the engine fails to start after several attempts, bleed the fuel system.
- 9 Adjust track tensions.
- 10 Grease all lubrication points.

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