



# Service Manual

## ROBOT 150, 165

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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.

These personnel should have a sound knowledge of workshop practice, safety procedures, and general techniques associated with the maintenance and repair of hydraulic earthmoving equipment.

Renewal of oil seals, gaskets, etc., and any component showing obvious signs of wear or damage is expected as a matter of course. It is expected that components will be cleaned and lubricated where appropriate, and 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 else **SAFETY MUST COME FIRST!**

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

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

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

<b>A</b>	=	<b>Attachments</b>
<b>B</b>	=	<b>Body &amp; Framework</b> ...etc.

The page numbering in each alphabetically coded section is not 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.

Where a torque setting is given as a single figure it 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.

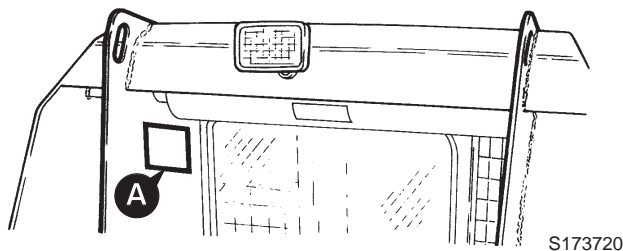
With the exception of slewing operations 'Left Hand' and 'Right Hand' are as viewed from the rear of the machine facing forwards.

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The serial number of the chassis, engine, lift arm and hydraulic pump unit positively identify the type of JCB Skid Steer Loader you have.

## Machine Identification Plate

The machine identification plate **A** is located as shown. It is stamped with the serial numbers of the major individual units.



S173720

## Typical Vehicle Identification Number (VIN)

SLP 165 S B V E 677001

① ② ③ ④ ⑤ ⑥ ⑦

- ① World Manufacturer Identification
- ② Machine Model
- ③ Machine Type (S = Standard, H = High-flow)
- ④ Build Type (A = Canopy, B = Cab)
- ⑤ Year of Manufacture:
 

T = 1996	1 = 2001
V = 1997	2 = 2002
W = 1998	3 = 2003
X = 1999	4 = 2004
Y = 2000	5 = 2005
- ⑥ Manufacturer Location (E = England)
- ⑦ Product Identification Number (PIN)

		<b>J.C. BAMFORD EXCAVATORS LTD.</b> ROCESTER, STAFFS, ENGLAND.																																			
CONSTRUCTOR		MADE IN UK																																			
Vehicle Identification No.			Product Identification No.																																		
ENGINE SERIAL No.			WEIGHT																																		
PUMP SERIAL No.			YEAR OF MANUFACTURE																																		
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