

## JS Auto Range - Tracked Excavators - JCB Engine

Service Manual - JS Auto Range - Tracked Excavators - JCB Engine

[Section 1 - General Information](#)

[Section 2 - Care and Safety](#)

[Section 3 - Routine Maintenance](#)

[Section B - Body & Framework](#)

[Section C - Electrics](#)

[Section E - Hydraulics](#)

[Section F - Transmission](#)

[Section J - Track & Running Gear](#)

[Section K - Engine](#)



Publication No.  
**9813/1000-3**



Copyright © 2004 JCB SERVICE. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB SERVICE.

Issued by JCB Technical Publications, JCB Aftermarket Training, Woodseat, Rocester, Staffordshire, ST14 5BW, England. Tel +44 1889 591300 Fax +44 1889 591400

World Class  
Customer Support



## General Information

Service Manual - JS Auto Range - Tracked Excavators - JCB Engine

[Section 1 - General Information](#)

[Section 2 - Care and Safety](#)

[Section 3 - Routine Maintenance](#)

[Section B - Body & Framework](#)

[Section C - Electrics](#)

[Section E - Hydraulics](#)

[Section F - Transmission](#)

[Section J - Track & Running Gear](#)

[Section K - Engine](#)



Publication No.  
**9813/1000-3**



Copyright © 2004 JCB SERVICE. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB SERVICE.

Issued by JCB Technical Publications, JCB Aftermarket Training, Woodseat, Rocester, Staffordshire, ST14 5BW, England. Tel +44 1889 591300 Fax +44 1889 591400

World Class  
Customer Support





# Section 1 - General Information

---

<b>Contents</b>	<b>Page No.</b>
<b>Introduction</b>	
About this Manual .....	1-1
Identifying Your Machine .....	1-3
<b>Torque Settings</b>	
Zinc Plated Fasteners and Dacromet Fasteners .....	1-7
Hydraulic Connections .....	1-11
<b>Service Tools</b>	
Numerical List .....	1-15
Tool Detail Reference .....	1-18
<b>Service Consumables</b>	
Sealing and Retaining Compounds .....	1-39
<b>Terms and Definitions</b>	
Colour Coding .....	1-41



# Section 1 - General Information

---

Contents

Page No.

# Introduction

## About this Manual

### Machine Model and Serial Number

This manual provides information for the following model(s) in the JCB machine range:

- JCB JS115 from serial no. 01786452 to 01786462.
- JCB JS130 from serial no. 01786463 to 01786863.
- JCB JS145 from serial no. 01786864 to 01788884.
- JCB JS160/JS180 from serial no. 01776500 to 01777499.
- JCB JS200/JS210/JS220 from serial no. 01782453 to 01786451.

### Using the Service Manual

T11-004

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.

The illustrations in this publication are for guidance only. Where the machines differ, the text and/or the illustration will specify.

General warnings in Section 2 are repeated throughout the manual, as well as specific warnings. Read all safety statements regularly, so you do not forget them.

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.

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.

The manufacturer's policy is one of continuous improvement. The right to change the specification of the machine without notice is reserved. No responsibility will be accepted for discrepancies which may occur between specifications of the machine and the descriptions contained in this publication.

Finally, please remember above all else safety must come first!

### Section Numbering

T11-005

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 and Safety - includes warnings and cautions pertinent to aspects of workshop procedures etc.
- 3** Maintenance - 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:

- A** Attachments
- B** Body and Framework, etc.

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

**Please Click Here To Download The Complete Manual**  
**Download Other Manuals**  
**If Having Any Questions Feel Free To Contact us**

**[admin@servicemanualbit.com](mailto:admin@servicemanualbit.com)**