



SERVICE MANUAL



JCB SERVICE ©
ROCESTER, STAFFORDSHIRE,
ST14 5LS. ENGLAND.

TEL. ROCESTER (0889) 590312

Printed in England.

Contents

| | |
|----------------------|---|
| General | 1 |
| Hydraulics | 2 |
| Attachments | 3 |
| Body & Framework | 4 |
| Gearboxes | 5 |
| Track & Running Gear | 6 |
| Engine | 7 |
| Electrics | 8 |
| Index | |

Handwritten text in a vertical column on the left side of the page, possibly a list or index. The characters are faint and difficult to decipher, but appear to be a sequence of letters or symbols.

805,805B
806B,807B
808

Introduction

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

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

For example, renewal of oil seals, gaskets etc. and any component showing obvious wear or damage is expected as a matter of course and information on these matters is therefore only included where a specialised procedure or range of wear tolerances is required. Similarly, it is expected that components will be thoroughly cleaned and lubricated where appropriate, also that any opened hose or pipe connections will be blanked to prevent entry of dirt and excessive loss of hydraulic fluid.

For convenience the manual is compiled in sections, e.g. "Hydraulics", "Gearboxes" etc., but to find details of a specific component, reference should be made to the alphabetical index at the back of the book.

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

Torque settings quoted are given as 'mean' figures which may be varied by $\pm 3\%$. 'Left Hand' and 'Right Hand' are as viewed from the rear of the machine.

Replacement or additional pages for this manual will be issued from time to time and should be inserted in place of the existing pages which should be removed and destroyed.

Where possible, revised pages will bear an asterisk (*) against the new information, the page issue number in the bottom right hand corner being similarly marked.

A Service Tools Catalogue, detailing special tools required, is available separately.



CATALOGUE / MANUAL — REPLACEMENT PAGES

| | | |
|--|-------------------|---------------------------|
| 805,805B,806B,807B,808 Service Manual | 4th Set July 1981 | Publication No. 9803/3150 |
|--|-------------------|---------------------------|

These pages should be inserted immediately in their correct positions, and pages of a lower issue No. removed and destroyed. The total contents of this publication can be checked using the index below. Retain index at front of book. Replacement pages issued in this set are indicated by an asterisk *

| Page No. | Issue | Page No. | Issue | Page No. | Issue | Page No. | Issue |
|-----------|---------|----------|-------|-----------|-------|-----------|-------|
| Contents | 1 | 8-1 | 2 | 17-7 | 1* | Section 5 | |
| | | 8-2 | 2 | 17-8 | 1* | 1-1 | 1 |
| Section 1 | | 8-3 | 1 | 17-9 | 1* | 1-2 | 1 |
| 1-1 | 4* | 8-4 | 1 | 17-10 | 1* | 1-3 | 1 |
| 2-1 | 2 | 8-5 | 2* | 17-11 | 1* | 2-1 | 1 |
| 2-2 | 2 | 8-6 | 1* | 17-12 | 1* | 2-2 | 1 |
| 3-1 | 2 | 8-7 | 1* | 17-13 | 1* | 2-3 | 1 |
| 3-2 | 3 | 9-1 | 1 | 17-14 | 1* | 2-4 | 1 |
| | | 9-2 | 1 | 18-1 | 1 | 2-5 | 1 |
| Section 2 | | 9-3 | 1 | 18-2 | 1 | 3-1 | 1 |
| 1-1 | 1 | 10-1 | 2 | 18-3 | 2 | 3-2 | 1 |
| 1-2 | 3 | 10-2 | 2 | 19-1 | 2 | 3-3 | 1 |
| 1-2A | Deleted | 10-3 | 1 | 20-1 | 3 | 4-1 | 2 |
| 1-3 | 3* | 10-4 | 1 | 20-2 | 2 | 5-1 | 1 |
| 1-4 | 1* | 10-5 | 1 | 20-3 | 1 | 6-1 | 1 |
| 1-5 | 1* | 11-1 | 1 | 21-1 | 2 | 6-2 | 2 |
| 2-1 | 3 | 11-2 | 1 | 21-2 | 1 | | |
| 2-2 | 3 | 11-3 | 1 | 21-3 | 1 | Section 6 | |
| 2-3 | 1 | 12-1 | 1 | 22-1 | 1 | 1-1 | 1 |
| 3-1 | 2 | 12-2 | 1 | 22-2 | 1 | 2-1 | 1 |
| 3-2 | Deleted | 12-3 | 1 | 22-3 | 1 | 2-2 | 1 |
| 3-3 | Deleted | 13-1 | 1 | 22-4 | 1 | 3-1 | 1 |
| 3-4 | Deleted | 13-2 | 1 | 22-5 | 1 | 4-1 | 1 |
| 3-5 | Deleted | 14-1 | 1 | 22-6 | 1 | 4-2 | 1 |
| 3-6 | Deleted | 14-2 | 4 | 22-7 | 1 | 5-1 | 1 |
| 3-7 | Deleted | 14-3 | 1 | 22-8 | 1 | 6-1 | 1 |
| 3-8 | Deleted | 15-1 | 2* | 22-9 | 1 | 6-2 | 1 |
| 3-9 | Deleted | 15-2 | 2 | 22-10 | 1 | | |
| 4-1 | 2 | 15-3 | 2 | 22-11 | 1 | Section 7 | |
| 4-2 | Deleted | 15-4 | 1 | 23-1 | 1 | 1-1 | 3* |
| 4-3 | Deleted | 16-1 | 1* | 23-2 | 1 | 2-1 | 1 |
| 5-1 | 1 | 16-2 | 1* | 23-3 | 1 | 2-2 | 1 |
| 5-2 | 2 | 16-3 | 1* | | | 3-1 | 1 |
| 5-3 | 1 | 16-4 | 1* | Section 3 | | 4-1 | 1 |
| 5-4 | 2 | 16-5 | 1* | 1-1 | 1 | 4-2 | 1 |
| 5-5 | 1 | 16-6 | 1* | 2-1 | 1 | 4-3 | 1 |
| 6-1 | 1 | 16-7 | 1* | 2-2 | 1 | 4-4 | 1 |
| 6-2 | 1 | 16-8 | 1* | | | 4-5 | 1 |
| 6-3 | 1 | 16-9 | 1* | Section 4 | | 5-1 | 1 |
| 6-4 | 1 | 16-10 | 1* | 1-1 | 1 | 6-1 | 3* |
| 6-5 | 1 | 16-11 | 1* | 2-1 | 1 | 7-1 | 1 |
| 6-6 | 2 | 17-1 | 1* | 2-2 | 1 | 8-1 | 1 |
| 6-7 | 1 | 17-2 | 1* | 3-1 | 1 | 8-2 | 1 |
| 6-8 | 1 | 17-3 | 1* | 4-1 | 1 | | |
| 6-9 | 1 | 17-4 | 1* | 4-2 | 1 | | |
| 7-1 | 1 | 17-5 | 1* | 4-3 | 2 | | |
| 7-2 | 2 | 17-6 | 1* | 4-4 | 1 | | |

| Page No. | Issue | Page No. | Issue | Page No. | Issue | Page No. | Issue |
|------------------|-------|----------|-------|----------|-------|----------|-------|
| Section 8 | | | | | | | |
| 1-1 | 1 | | | | | | |
| 2-1 | 1 | | | | | | |
| 2-2 | 1 | | | | | | |
| 2-3 | 1 | | | | | | |
| 2-4 | 1 | | | | | | |
| 2-5 | 1 | | | | | | |
| 2-6 | 1 | | | | | | |
| 3-1 | 1 | | | | | | |
| 4-1 | 1 | | | | | | |
| 5-1 | 1 | | | | | | |
| 5-2 | 1 | | | | | | |
| 6-1 | 1 | | | | | | |
| 7-1 | 1 | | | | | | |
| 7-2 | 1 | | | | | | |
| 8-1 | 1 | | | | | | |
| 9-1 | 1 | | | | | | |
| 9-2 | 1 | | | | | | |
| Index | | | | | | | |
| i | 4* | | | | | | |
| ii | 4* | | | | | | |
| iii | 4* | | | | | | |
| iv | 4* | | | | | | |
| v | 4* | | | | | | |



CATALOGUE / MANUAL — REPLACEMENT PAGES

| | | |
|--|--------------------|---------------------------|
| 805,805B,806B,807B,808 Service Manual | 3rd Set March 1981 | Publication No. 9803/3150 |
|--|--------------------|---------------------------|

These pages should be inserted immediately in their correct positions, and pages of a lower issue No. removed and destroyed. The total contents of this publication can be checked using the index below. Retain index at front of book. Replacement pages issued in this set are indicated by an asterisk *

| Page No. | Issue | Page No. | Issue | Page No. | Issue | Page No. | Issue |
|-----------|---------|----------|---------|-----------|-------|-----------|-------|
| Contents | 1 | 8-2 | 2* | 22-9 | 1* | 4-2 | 1 |
| | | 8-3 | 1* | 22-10 | 1* | 5-1 | 1 |
| Section 1 | | 8-4 | 1* | 22-11 | 1* | 6-1 | 1* |
| 1-1 | 3* | 8-5 | 1* | 23-1 | 1* | 6-2 | 1* |
| 2-1 | 2 | 9-1 | 1 | 23-2 | 1* | | |
| 2-2 | 2 | 9-2 | 1 | 23-3 | 1* | Section 7 | |
| 3-1 | 2 | 9-3 | 1 | | | 1-1 | 2* |
| 3-2 | 3* | 10-1 | 2 | Section 3 | | 2-1 | 1 |
| | | 10-2 | 2 | 1-1 | 1 | 2-2 | 1 |
| Section 2 | | 10-3 | 1 | 2-1 | 1 | 3-1 | 1 |
| 1-1 | 1 | 10-4 | 1 | 2-2 | 1 | 4-1 | 1 |
| 1-2 | 3 | 10-5 | 1 | | | 4-2 | 1 |
| 1-2A | 2* | 11-1 | 1 | Section 4 | | 4-3 | 1 |
| 1-3 | 2 | 11-2 | 1 | 1-1 | 1 | 4-4 | 1 |
| 2-1 | 3* | 11-3 | 1 | 2-1 | 1 | 4-5 | 1 |
| 2-2 | 3* | 12-1 | 1 | 2-2 | 1 | 5-1 | 1 |
| 2-3 | 1* | 12-2 | 1 | 3-1 | 1 | 6-1 | 2* |
| 3-1 | 2* | 12-3 | 1 | 4-1 | 1 | 7-1 | 1 |
| 3-2 | Deleted | 13-1 | 1 | 4-2 | 1 | 8-1 | 1 |
| 3-3 | Deleted | 13-2 | 1 | 4-3 | 2* | 8-2 | 1 |
| 3-4 | Deleted | 14-1 | 1 | 4-4 | 1 | | |
| 3-5 | Deleted | 14-2 | 4* | | | Section 8 | |
| 3-6 | Deleted | 14-3 | 1 | Section 5 | | 1-1 | 1 |
| 3-7 | Deleted | 15-1 | 1 | 1-1 | 1 | 2-1 | 1 |
| 3-8 | Deleted | 15-2 | 2 | 1-2 | 1 | 2-2 | 1 |
| 3-9 | Deleted | 15-3 | 2 | 1-3 | 1* | 2-3 | 1 |
| 4-1 | 2* | 15-4 | 1 | 2-1 | 1 | 2-4 | 1 |
| 4-2 | Deleted | 16-1 | Deleted | 2-2 | 1 | 2-5 | 1 |
| 4-3 | Deleted | 18-1 | 1* | 2-3 | 1 | 2-6 | 1 |
| 5-1 | 1 | 18-2 | 1 | 2-4 | 1 | 3-1 | 1 |
| 5-2 | 2 | 18-3 | 2* | 2-5 | 1 | 4-1 | 1 |
| 5-3 | 1 | 19-1 | 2 | 3-1 | 1 | 5-1 | 1 |
| 5-4 | 2 | 20-1 | 3* | 3-2 | 1 | 5-2 | 1 |
| 5-5 | 1 | 20-2 | 2* | 3-3 | 1 | 6-1 | 1 |
| 6-1 | 1 | 20-3 | 1* | 4-1 | 2 | 7-1 | 1 |
| 6-2 | 1 | 21-1 | 2* | 5-1 | 1 | 7-2 | 1 |
| 6-3 | 1 | 21-2 | 1* | 6-1 | 1 | 8-1 | 1 |
| 6-4 | 1 | 21-3 | 1* | 6-2 | 2* | 9-1 | 1 |
| 6-5 | 1 | 22-1 | 1* | | | 9-2 | 1 |
| 6-6 | 2* | 22-2 | 1* | | | | |
| 6-7 | 1 | 22-3 | 1* | Section 6 | | Index | |
| 6-8 | 1 | 22-4 | 1* | 1-1 | 1 | i | 3* |
| 6-9 | 1 | 22-5 | 1* | 2-1 | 1 | ii | 3* |
| 7-1 | 1 | 22-6 | 1* | 2-2 | 1 | iii | 3* |
| 7-2 | 2* | 22-7 | 1* | 3-1 | 1 | iv | 3* |
| 8-1 | 2* | 22-8 | 1* | 4-1 | 1 | v | 3* |



CATALOGUE / MANUAL — REPLACEMENT PAGES

| | | |
|--|----------------------|---------------------------|
| 805,805B,806B,807B,808 Service Manual | 2nd Set January 1980 | Publication No. 9803/3150 |
|--|----------------------|---------------------------|

These pages should be inserted immediately in their correct positions, and pages of a lower issue No. removed and destroyed. The total contents of this publication can be checked using the index below. Retain index at front of book. Replacement pages issued in this set are indicated by an asterisk *

| Page No. | Issue | Page No. | Issue | Page No. | Issue | Page No. | Issue |
|-----------|-----------|-----------|-------|-----------|---------|-----------|-------|
| Contents | 1 ✓ | 9-3 | 1 ✓ | Section 5 | | Section 8 | |
| Section 1 | | 10-1 | 2 ✓ | 1-1 | 1 ✓ | 1-1 | 1 ✓ |
| 1-1 | 2 3 * | 10-2 | 2 ✓ | 1-2 | 1 ✓ | 2-1 | 1 ✓ |
| 2-1 | 2 ✓ | 10-3 | 1 ✓ | 2-1 | 1 1-3 * | 2-2 | 1 ✓ |
| 2-2 | 2 ✓ | 10-4 | 1 ✓ | 2-2 | 1 ✓ | 2-3 | 1 ✓ |
| 3-1 | 2 ✓ | 10-5 | 1 ✓ | 2-3 | 1 ✓ | 2-4 | 1 ✓ |
| 3-2 | 2 3 * | 11-1 | 1 ✓ | 2-4 | 1 ✓ | 2-5 | 1 ✓ |
| Section 2 | | 11-2 | 1 ✓ | 2-5 | 1 ✓ | 2-6 | 1 ✓ |
| 1-1 | 1 | 11-3 | 1 ✓ | 3-1 | 1 ✓ | 3-1 | 1 ✓ |
| 1-2 | 3 * | 12-1 | 1 ✓ | 3-2 | 1 ✓ | 4-1 | 1 ✓ |
| 1-2A | 1 2 * | 12-2 | 1 ✓ | 3-3 | 1 ✓ | 5-1 | 1 ✓ |
| 1-3 | 2 ✓ | 12-3 | 1 ✓ | 4-1 | 2 ✓ | 5-2 | 1 ✓ |
| 2-1 | 2 3 * | 13-1 | 1 ✓ | 5-1 | 1 ✓ | 6-1 | 1 ✓ |
| 2-2 | 2 3 * | 13-2 | 1 ✓ | 6-1 | 1 ✓ | 7-1 | 1 ✓ |
| 2-3 | 2 3 * | 14-1 | 1 ✓ | 6-2 | 1 2 * | 7-2 | 1 ✓ |
| 3-1 | 1 * | 14-2 | 3 4 * | Section 6 | | 8-1 | 1 ✓ |
| 3-1 | 1 2 * | 14-3 | 1 ✓ | 1-1 | 1 ✓ | 9-1 | 1 ✓ |
| 3-2 | Deleted | 15-1 | 1 ✓ | 2-1 | 1 ✓ | 9-2 | 1 ✓ |
| 3-3 | 1 " | 15-2 | 2 ✓ | 3-1 | 1 ✓ | Index | |
| 3-4 | 1 " | 15-3 | 2 ✓ | 4-1 | 1 ✓ | i | 2 3 * |
| 3-5 | 1 " | 15-4 | 1 ✓ | 4-2 | 1 ✓ | ii | 2 3 * |
| 3-6 | 2 " | 16-1 | 1 ✓ | 5-1 | 1 ✓ | iii | 2 3 * |
| 3-7 | 2 " | 16-1 | 1 1 * | 6-1 | 1 * | iv | 2 3 * |
| 3-8 | 1 " | 18-2 | 1 1 * | 6-2 | 1 * | v | 2 3 * |
| 3-9 | 1 " | 18-3 | 1 2 * | Section 7 | | | |
| 4-1 | 1 2 * | 19-1 | 2 ✓ | 1-1 | 1 2 * | | |
| 4-2 | 1 Deleted | 20-1 | 2 3 * | 2-1 | 1 ✓ | | |
| 4-3 | 1 " | 20-2 | 1 2 * | 2-2 | 1 ✓ | | |
| 5-1 | 1 ✓ | 20-2 | 1 * | 3-1 | 1 ✓ | | |
| 5-2 | 2 ✓ | 21-1 | 1 2 * | 4-1 | 1 ✓ | | |
| 5-3 | 1 ✓ | 21-1 | 1 * | 4-2 | 1 ✓ | | |
| 5-4 | 2 ✓ | 21-2 | 1 * | 4-3 | 1 ✓ | | |
| 5-5 | 1 ✓ | 21-3 | 1 * | 4-4 | 1 ✓ | | |
| 6-1 | 1 ✓ | Section 3 | | 4-5 | 1 ✓ | | |
| 6-2 | 1 ✓ | 1-1 | 1 ✓ | 5-1 | 1 ✓ | | |
| 6-3 | 1 ✓ | 2-1 | 1 ✓ | 6-1 | 1 2 * | | |
| 6-4 | 1 ✓ | 2-2 | 1 ✓ | 7-1 | 1 ✓ | | |
| 6-5 | 1 ✓ | Section 4 | | 8-1 | 1 ✓ | | |
| 6-6 | 1 2 * | 1-1 | 1 ✓ | 8-2 | 1 ✓ | | |
| 6-7 | 1 ✓ | 2-1 | 1 ✓ | | | | |
| 6-8 | 1 ✓ | 2-2 | 1 ✓ | | | | |
| 6-9 | 1 ✓ | 3-1 | 1 ✓ | | | | |
| 7-1 | 1 ✓ | 4-1 | 1 ✓ | | | | |
| 7-2 | 1 2 * | 4-2 | 1 ✓ | | | | |
| 8-1 | 1 2 * | 4-3 | 1 2 * | | | | |
| 8-2 | 1 2 * | 4-4 | 1 ✓ | | | | |
| 9-1 | 1 2 * | | | | | | |
| 9-2 | 1 ✓ | | | | | | |

22-1 to 22-11 Issue 1*
23-1 to 23-3 Issue 1*

Thanks for your reading.

Please click here to download complete manual instantly.

And can also choose other manuals.

Feel free --->write to me with any questions.

Our service email:

manuals007@hotmail.com