

Service Manual



411, 416 Wheeled Loading Shovel

[Section 1 - General Information](#)

[Section 2 - Care and Safety](#)

[Section 3 - Routine Maintenance](#)

[Section B - Body and Framework](#)

[Section C - Electrics](#)

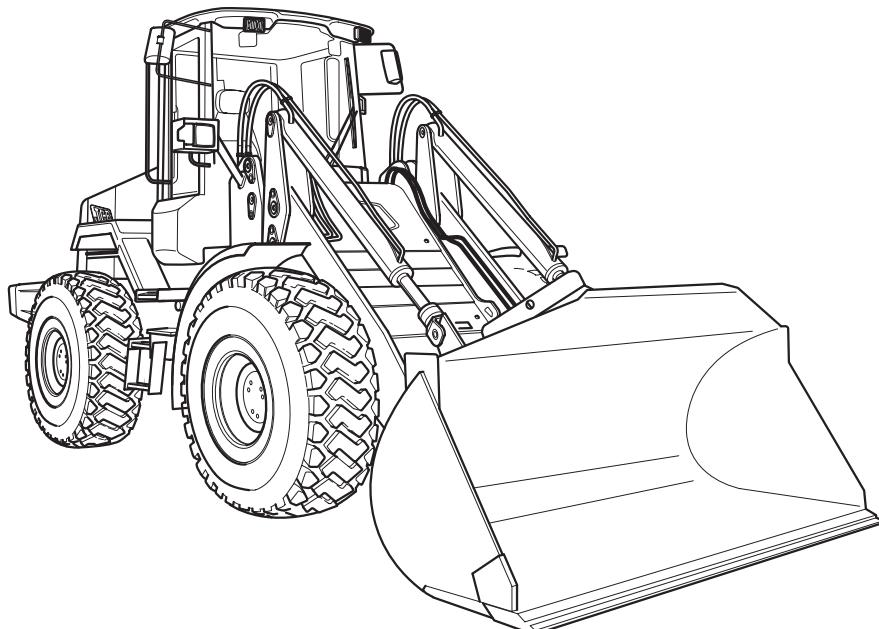
[Section E - Hydraulics](#)

[Section F - Transmission](#)

[Section G - Brakes](#)

[Section H - Hydraulic Steering](#)

[Section K - Engine](#)



Publication No.
9803/4150-16



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.

World Class
Customer Support



Section i - Front Cover

Page left intentionally blank

Section 1



General Information

[Section 1 - General Information](#)

[Section 2 - Care and Safety](#)

[Section 3 - Routine Maintenance](#)

[Section B - Body and Framework](#)

[Section C - Electrics](#)

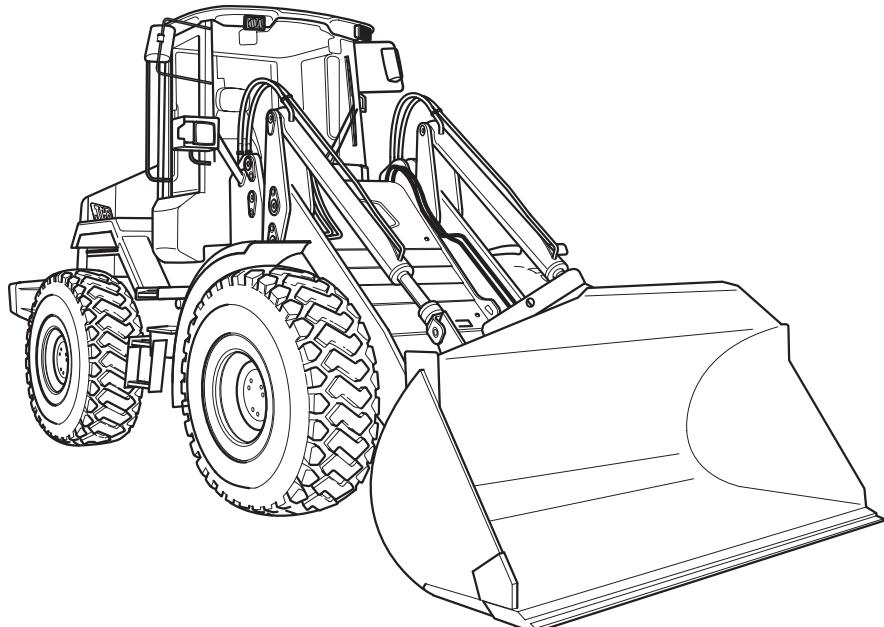
[Section E - Hydraulics](#)

[Section F - Transmission](#)

[Section G - Brakes](#)

[Section H - Hydraulic Steering](#)

[Section K - Engine](#)



Publication No.
9803/4150-13



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.

World Class
Customer Support



Section 1 - General Information

Page left intentionally blank



Section 1 - General Information

Contents	Page No.
Introduction	
About this Publication	1 - 1
Identifying your Machine	
Identification Plates	1 - 2
Identification Plate	1 - 2
Explanation of Vehicle Identification Number (VIN)	1 - 2
Unit Identification	1 - 2
Typical Engine Identification Number	1 - 3
Torque Settings	
Zinc Plated Fasteners (golden finish)	1 - 4
UNF Grade 'S' Bolts	1 - 4
Metric Grade 8.8 Bolts	1 - 4
Rivet Nut Bolts/Screws	1 - 4
Service Tools	
Numerical List Section B - Body and Framework	1 - 5
Tool Detail Reference Section B - Body and Framework	1 - 6
Numerical List Section C - Electrics	1 - 9
Tool Detail Reference Section C - Electrics	1 - 10
Numerical List Section E - Hydraulics	1 - 11
Tool Detail Reference Section E - Hydraulics	1 - 14
Numerical List Section F - Transmission	1 - 18
Tool Detail Reference Section F - Transmission	1 - 19
Numerical List Section K - Engine	1 - 22
Tool Detail Reference Section K - Engine	1 - 23
Service Consumables	
Sealing and Retaining Compounds	1 - 24

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

admin@servicemanualbit.com