



# SERVICE MANUAL

EXCAVATOR  
JS115, JS130, JS131,  
JS145, JS160, JS180, JS190

EN - 9813/7150 - ISSUE 1 - 04/2016

*This manual contains original instructions, verified by the manufacturer (or their authorized representative).*

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## Foreword

### The Operator's Manual

 You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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**Devon L. L. Polaschek, Andrew  
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