Service Manual

8055, 8065

Section 1 - General Information

Section 2 - Care and Safety

Section 3 - Maintenance

Section A - Attachments

Section B - Body and Framework

Section C - Electrics

Section D - Controls

Section E - Hydraulics

Section F - Gearboxes

Section J - Track and Running Gear

Section K - Engine



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Contents Page No.

Introduction
About this Manual 1-1
Machine Model and Serial Number 1-1
Using the Service Manual 1-1
Section Numbering 1-1
Left Side, Right Side 1-2
Cross References 1-2

Identifying Your Machine
Identification Plates 1-3
Data Plate 1-3
Typical Vehicle Identification Number (VIN) 1-3
Typical Product Identification Number (PIN) 1-3
Typical Engine Identification 1-4
ROPS, TOPS and FOGS 1-5

Standard Torque Settings
Zinc Plated Fasteners and Dacromet Fasteners 1-7
Introduction 1-7
Bolts and Screws 1-7
Hydraulic Connections 1-11
'O' Ring Face Seal System 1-11
'Torque Stop' Hose System 1-14

Service Tools
Numerical List 1-15
Tool Detail Reference 1-18
Section B - Frame and Bodywork 1-18
Section C - Electrics 1-22
Section E - Hydraulics 1-23
Section K - Engine 1-28

Service Consumables
Sealing and Retaining Compounds 1-29

Terms and Definitions
Colour Coding 1-31
Hydraulic Schematic Colour Codes 1-31

MidWestTech | JCB 8055, 8065 Mini Excavator Service Manual | Publication 9803-989... Order the manual at mid-west-tech.com >

Contents **Page No.**

Safety Notices
Important Information 2-1
The Operator Manual 2-1
Safety Warnings 2-1
Safety Check List 2-2
Safety - Yours and Others 2-2
General Safety 2-2
Operating Safety 2-4
Maintenance Safety 2-8
Safety Labels 2-12
Introduction 2-12
Safety Label Identification 2-13

MidWestTech | JCB 8055, 8065 Mini Excavator Service Manual | Publication 9803-989... Order the manual at mid-west-tech.com >

Contents **Page No.**

Routine Maintenance
Service Requirements 3-1
Introduction 3-1
Owner/Operator Support 3-1
Service/Maintenance Agreements 3-1
Fit for Purpose Tests for Lifting Equipment 3-1
Obtaining Replacement Parts 3-2
Health and Safety 3-3
Lubricants 3-3
Battery 3-5
Service Schedules 3-7
Introduction 3-7
How to Use the Service Schedules 3-7
Calendar Equivalents 3-8
Pre-Start Cold Checks, Service Points and Fluid Levels 3-9
Functional Test and Final Inspection 3-11
Fluids, Lubricants and Capacities 3-12
Coolant Mixtures 3-13
Fuels 3-14
Tools 3-17
Carrying Tools onto the Machine 3-17
Toolbox (if fitted) 3-17
Prepare the Machine for Maintenance 3-18
Introduction 3-18
How to Make the Machine Safe (Excavator Lowered) 3-18
Cleaning the Machine 3-19
Introduction 3-19
Preparing the Machine for Cleaning 3-19
Cleaning the Machine 3-20
Cleaning the Tracks 3-20
Checking for Damage 3-22
Check the Machine Body and Structure 3-22
Check the Seat and Seat Belt 3-22
Check the Hydraulic Hoses and Fittings 3-22
Check the Electrical Circuits 3-22
Checking the ROPS/FOPS Structure 3-23
Checking the Ram Piston Rods 3-23
Greasing 3-24
Introduction 3-24
Pivot Pins 3-24
Slew Ring Bearings 3-26
Slew Ring Gear Teeth 3-26
Access Panels 3-28
Introduction 3-28
Engine Cover 3-28
Hydraulic Bay Cover 3-29
Electrical System 3-30
Battery 3-30
Fuses 3-34
Engine 3-36
Oil and Filter 3-36
Cooling System 3-38
Fan Belt 3-40
HVAC Compressor Pump Belt 3-40
Air Filter 3-42

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Dipper

Removal and Replacement

Removal

1 Remove the bucket.

2 If necessary remove the bucket ram.

3 Remove the locknut **A** and bolt **B**. Drive out the dipper ram pivot pin **C**. Separate the dipper ram eye end **D** from the dipper pivot **E**. Position a block of timber on which to rest the dipper ram eye end.

4 Attach suitable lifting equipment through the dipper ram pivot pin location and support the dipper **J**.

5 Remove the locknut **F** and the bolt **G**. Drive out the pivot pin **H**.

6 Using suitable lifting equipment, remove the dipper from the machine.

Table 1. Approximate Dipper Dimensions and Weights

Machine	Overall Length	Weight
8055	2207 mm	163 kg
8065	2231 mm	175 kg

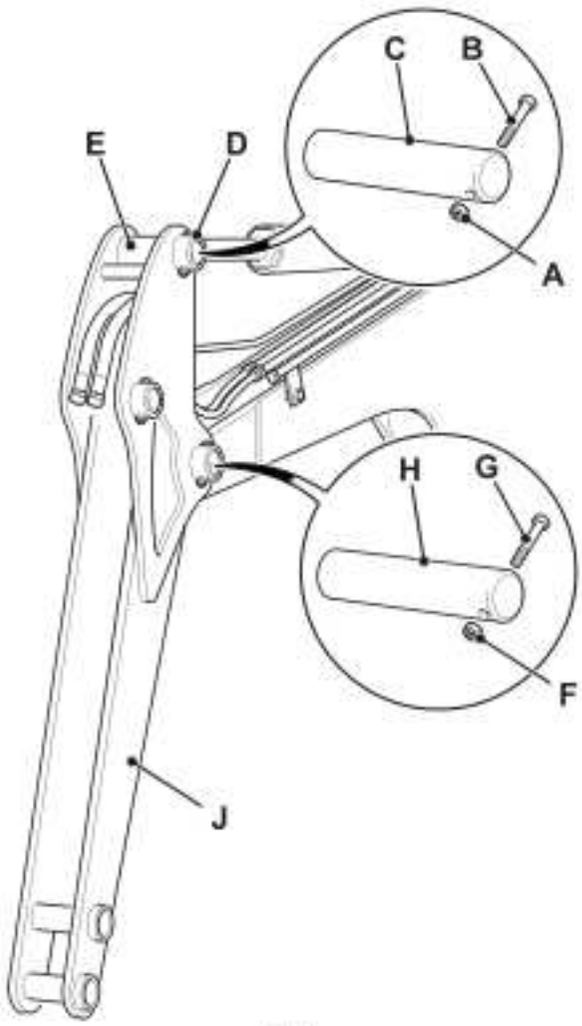


Fig 1.

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Harness Data

Wire and Harness Number Identification

TC-003_2

Introduction

This section details the allocation of wire numbers and the identification of wires in the wiring harness.

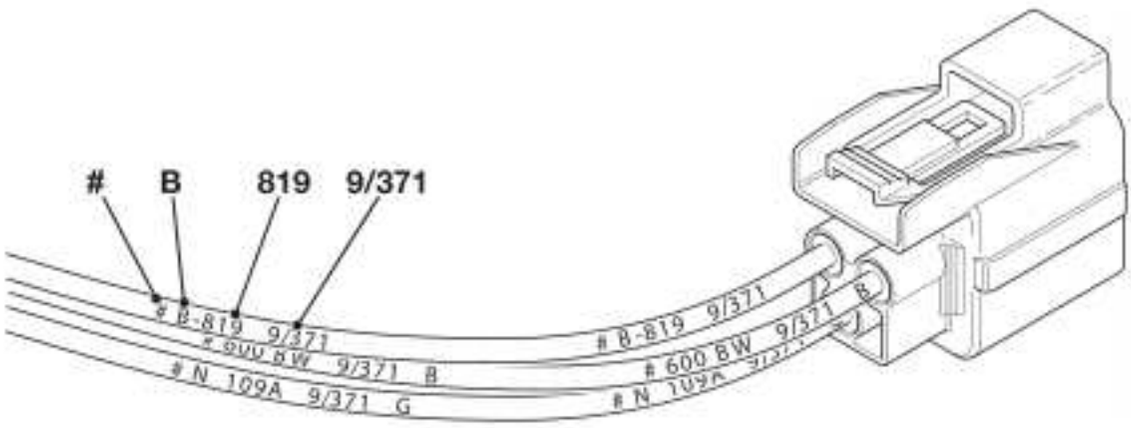


Fig 1. Typical Wire and Harness Number

⇨ *Fig 1. (C-55)*. The illustration shows a typical connector and wires. Each wire has an individual identification number permanently marked on it, at regular intervals along it's length.

The number stamped on the wire identifies the following:

Table 1. Wire and Harness Number Identification

Ident. No.	Description
#	The # indicates the start of the identification number. It is always printed to the left of the identification number.
B	If applicable - The colour of the flying lead that the harness wire should mate with. For instance, if wire **819** from harness 719/37100 mated with a flying lead coloured black (colour code **B**) then the number printed on the wire would be **B**-819 9/371.
819	The wire's unique identification number. The wire functions and numbers allocated to them are consistent through out the JCB range of products. ⇨ *Wire Numbers and Functions (C-56)*.
9/371	If applicable - The part number of the harness that the wire originates from. If the harness part number is 719/37100, the number printed on the harness wires will be **9/371** (71 and 00 are common numbers and therefore deleted).

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	Bore		Rod Diameter		Stroke	
Rams	**mm**	**in**	**mm**	**in**	**mm**	**in**
Boom	95	3.74	50	1.97	629	24.76
Dipper	95	3.74	55	2.17	696	27.40
Bucket	75	2.95	45	1.77	597	23.50
Swing	85	3.35	50	1.97	479	18.86
Dozer	95	3.74	50	1.97	170	6.69

Track Motors

Model	PVH-4B-60B-PST-8857Z
Displacement	35.3/21.3 ^{3}/rev
Reduction ratio	47.53: 1
Tracking speed:	
Low	2.7 km/hr. (1.68 mile/hr.)
High	4.6 km/hr. (2.86 mile/hr.)

Slew Motor

Type	Piston - PCR-3B-12A-FP-8581Z
Displacement	18.1 cm^3/rev
Max. flow	12 l/min.
Gear ratio	21.5: 1
Weight	37 kg (81.5 lb.)

Filtration

Main bypass pressure	2.5 bar (36 lbf/in^2)

Hydraulic System

Capacity	95 litres (21 gal)

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