Service Manual

Teletruk

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 - Transmission

Section G - Brakes

Section H - Steering

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
Cab/Canopy 1-2
Cross References 1-2

Identifying your Machine
Identification 1-3
Machine Identification Plate 1-3
Component Identification Plates 1-4

Torque Settings
Zinc Plated Fasteners and Dacromet Fasteners 1-5
Introduction 1-5
Bolts and Screws 1-5
Hydraulic Connections 1-9
'O' Ring Face Seal System 1-9
'Torque Stop' Hose System 1-12

Service Tools
Numerical List 1-13
Tool Detail Reference 1-17
Section B - Body and Framework 1-17
Section C - Electrics 1-21
Section E - Hydraulics 1-24
Section H - Steering 1-31

Service Consumables
Sealing and Retaining Compounds 1-33

Terms and Definitions
Colour Coding 1-35
Hydraulic Schematic Colour Codes 1-35

MidWestTech | JCB 2.5 G, 3.0 G, 3.0D 4x4, 3.5D, 3.5D 4x4, 3.0 D High Lift, 2.5D, 3.0D... 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

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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 3-7
Pre-start Cold Checks, Service Points and Fluid Levels 3-8
Functional Test and Final Inspection 3-10
Fluids, Lubricants and Capacities 3-11
Coolant Mixtures 3-12
Fuels 3-13
Prepare the Machine for Maintenance 3-16
Introduction 3-16
How to Make the Machine Safe (Boom Lowered) 3-17
Cleaning the Machine 3-18
Introduction 3-18
Preparing the Machine for Cleaning 3-18
Cleaning the Machine 3-19
Checking For Damage 3-20
Check the Machine Body and Structure 3-20
Check the Tyres 3-20
Check the Seat and Seat Belt 3-20
Check the Hydraulic Hoses and Fittings 3-20
Checking the ROPS/FOPS Structure 3-21
Greasing 3-22
Introduction 3-22
Preparing the Machine for Greasing 3-22
Carriage 3-23
Boom 3-23
Rear Axle 3-24
Sideshift Option 3-24
Inner Boom 3-25
Access Panels 3-26
Operator's Enclosure/Cab 3-26
Daily Inspection Cover 3-28
Front Cover 3-29
Daily Inspection Rear Cover 3-30
Belly Plate (4WD Machines) 3-31
Optional Trash Guard 3-31
Brakes 3-32
Park Brake 3-32
Electrical System 3-33
Battery 3-33
Jump Starting the Engine 3-34
Fuses 3-36
Relays 3-40
Bulbs 3-41

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Fluids, Lubricants and Capacities

Table 1.

ITEM	CAPACITY Litres (Gal)	FLUID/LUBRICANT	INTERNATIONAL SPECIFICATION
Engine Oil			
- NAT ASP	10 (2.2)	JCB Extreme Performance Engine Oil 15W/40	CH4/SJ (ACES E5-B3-A3)
- Turbo (Deutz)	10 (2.2)	JCB Extreme Performance Engine Oil 15W/40	CH4/SJ (ACES E5-B3-A3)
- LPG	8.2 (1.8)	JCB 10W/30 Multigrade	SAE10W/30, API CF4/SG
Hydraulic System	62.5 (13.7)	JCB Optimum Performance Hydraulic Fluid 46	API CF4/SG 15W/40
Cooling System	11 (2.4)	JCB Universal Antifreeze/water ⇨ *Coolant Mixtures (3-12).*	ASTM D3306-74
Fuel System			
- 2.5T and 3.0T	44 (9.7)	Diesel oil ⇨ *Fuels (3-13).*	ASTM D975-66T Nos. 1D, 2D
3.0 (High lift) and 3.5T	55 (12.1)	Diesel oil ⇨ *Fuels (3-13).* Liquid Petroleum Gas (LPG) ⇨ *LPG Fuel System (3-57).*	ASTM D975-66T Nos. 1D, 2D
Refrigerant	750 grams	1, 1, 1, 2 -Tetrafluouroethane	R134a
Grease Points		JCB Special HP or MPL Grease	Lithium based, No. 2 consistency
Boom Runways	-	Waxoyl	-

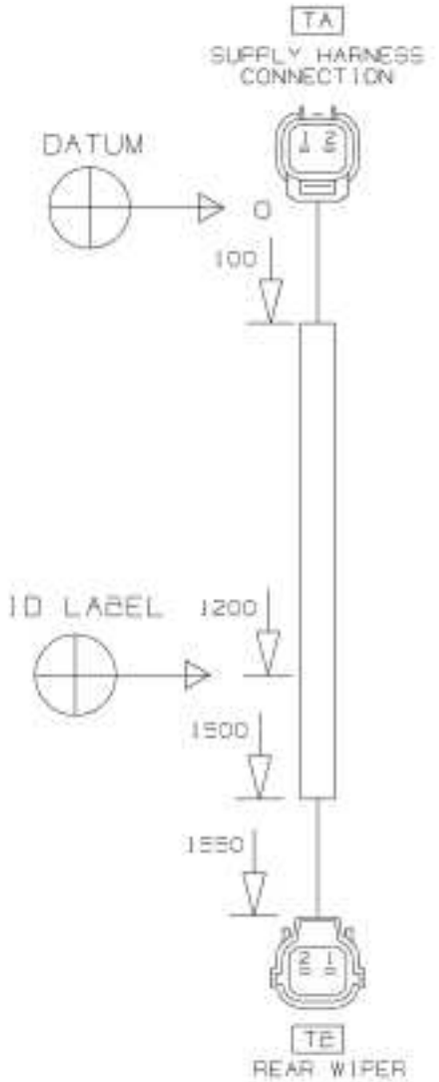
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Wash Wipe Harness - CAD 721/10518 Issue 2

⇨ *Fig 60. (C-89).*

Table 35. Key To Connectors

MA	Mainframe Connector
MB	Reverse Alarm



TA	MAINFRAME CONNTN			C,E
TERM	WIRE	SIZE	DEST	TYPE
1	103	1.0	TB 1	A,B
2	6003D	1.0	TB 2	A,B

TB	REVERSE ALARM			K,L
TERM	WIRE	SIZE	DEST	TYPE
1	103	1.0	TA 1	M,B
2	6005D	1.0	TA 2	M,B

Fig 60.

⇨ *Wash Wipe Harness - CAD 721/10518 Issue 2 (C-89).*

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4 Using lifting equipment remove the outer bearing support.

5 Remove the cam **15-P**.

6 Remove the cylinder block **16-R**.

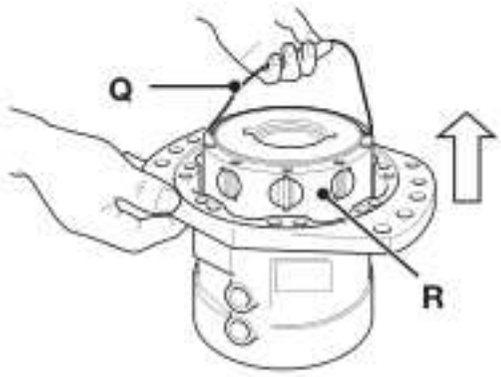


Fig 16.

7 Mark the location of the valving ring **17-R** in relation to the inner cover **17-S**.

8 Lever the valving ring **17-R** from the inner cover **17-S**.

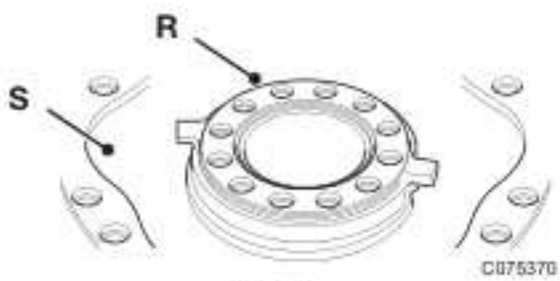


Fig 17.

9 Remove the springs.

10 Remove and discard the seals and back up rings **16-Q**.

11 Using a mandrel **18-T**, compress the roller bearings and remove the circlip **18-U** using external circlip pliers.

Note: *Position the assembly on the press so as to not damage the hub studs.*

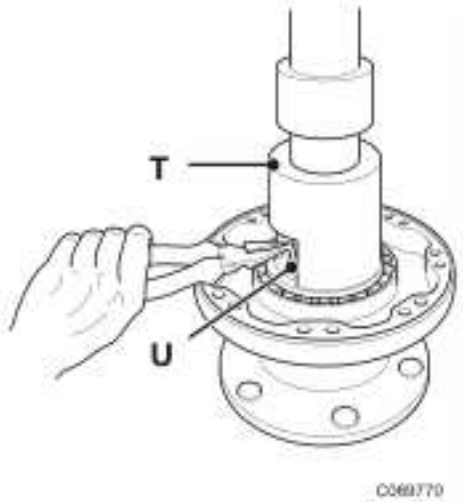


Fig 18.

12 Remove the thrust ring **19-V**.

13 Note the mounting order of the shims **19-W** and remove.

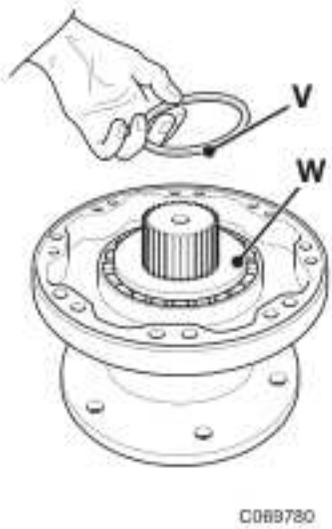


Fig 19.

14 Position the contact plate onto suitable supports on the press.

Note: *Use a pliant material underneath the shaft to cushion the fall and prevent damage.*

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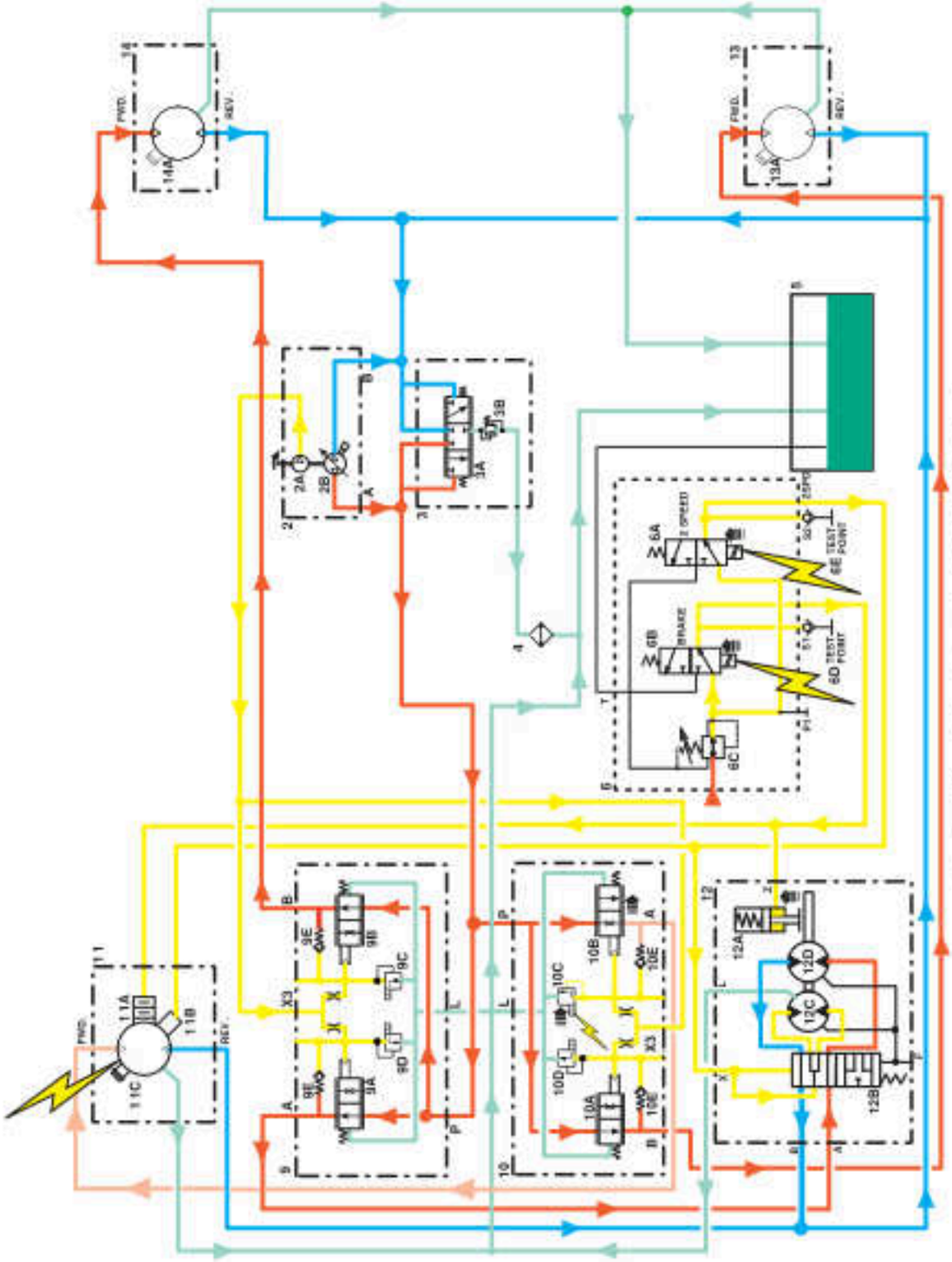


Fig 14. 4 Wheel Drive Operation (3.0D 4x4 Machines)

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Numerical List

Part Number:	Description:	Tool Detail Reference:
816/00197	Blanking Cap	⇨ Fig 29. (1-25).
816/00294	Blanking Cap	⇨ Fig 29. (1-25).
816/15118	Pressure Test Adaptor	⇨ Fig 25. (1-24).
816/20008	Adaptor 3/4 in F x 1/2 in M BSP	⇨ Fig 38. (1-28).
816/20013	Adaptor 3/4 in F x 1 in M BSP	⇨ Fig 38. (1-28).
816/50043	T Adaptor	⇨ Fig 27. (1-25).
816/55038	Pressure Test T Adaptor	⇨ Fig 26. (1-24).
816/55040	Pressure Test T Adaptor	⇨ Fig 26. (1-24).
816/60096	T Adaptor	⇨ Fig 27. (1-25).
826/01099	M6 x 16 mm Rivet Nut	⇨ Fig 2. (1-17).
826/01101	M6 x 19 mm Rivet Nut	⇨ Fig 2. (1-17).
826/01102	M8 x 18 mm Rivet Nut	⇨ Fig 2. (1-17).
826/01103	M8 x 21 mm Rivet Nut	⇨ Fig 2. (1-17).
826/01104	M10 x 23 mm Rivet Nut	⇨ Fig 2. (1-17).
826/01105	M10 x 26 mm Rivet Nut	⇨ Fig 2. (1-17).
892/00047	T Adaptor 3/8 in. BSP (A) x 1/4 in. BSP (B)	⇨ Fig 27. (1-25).
892/00048	T Adaptor 1/2 in. BSP (A) x 1/4 in. BSP (B)	⇨ Fig 27. (1-25).
892/00055	Blanking Plug 1/4 in. BSP	⇨ Fig 28. (1-25).
892/00056	Blanking Plug 3/8 in. BSP	⇨ Fig 28. (1-25).
892/00057	Blanking Plug 1/2 in. BSP	⇨ Fig 28. (1-25).
892/00058	Blanking Plug 5/8 in. BSP	⇨ Fig 28. (1-25).
892/00059	Blanking Plug 3/4 in. BSP	⇨ Fig 28. (1-25).
892/00060	Blanking Plug 1 in. BSP	⇨ Fig 28. (1-25).
892/00074	Female Connector 3/8 in. BSP x 3/8 in. BSP	⇨ Fig 30. (1-25).
892/00075	Female Connector 1/2 in. BSP x 1/2 in. BSP	⇨ Fig 30. (1-25).
892/00076	Female Connector 5/8 in. BSP x 5/8 in. BSP	⇨ Fig 30. (1-25).
892/00077	Female Connector 3/4 in. BSP x 3/4 in. BSP	⇨ Fig 30. (1-25).
892/00078	Connector 1 in F x 1 in F BSP	⇨ Fig 38. (1-28).
892/00137	Hose	⇨ Fig 43. (1-30).
892/00201	Replacement Gauge 0-20 bar (0-300 lbf/in^2)	⇨ Fig 40. (1-29).
892/00202	Replacement Gauge 0-40 bar (0-600 lbf/in^2)	⇨ Fig 40. (1-29).
892/00203	Replacement Gauge 0-400 bar (0-6000 lbf/in^2)	⇨ Fig 40. (1-29).
892/00223	Hand Pump	⇨ Fig 43. (1-30).
892/00252	ARV Test Block - Husco	⇨ Fig 46. (1-30).
892/00254	Replacement Hose	⇨ Fig 40. (1-29).
892/00255	1/4 in BSP x Test Point	⇨ Fig 25. (1-24).
892/00256	3/8 in BSP x Test Point	⇨ Fig 25. (1-24).

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