General Information

Service Manual - 467 Wheeled Loading Shovel

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Section 3 - Maintenance
Section A - Attachments
Section B - Body and Framework
Section C - Electrics
Section E - Hydraulics
Section F - Transmission
Section G - Brakes
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Section K - Engine



Publication No.
9813/0500-01



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Issued by JCB Technical Publications, JCB Aftermarket Training, Woodseat, Rocester, Staffordshire, ST14 5BW, England. Tel +44 1889 591400 Fax +44 1889 591402

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Harness Schematics

Primary Fuses Harness: 332-V7842-1 Issue 1

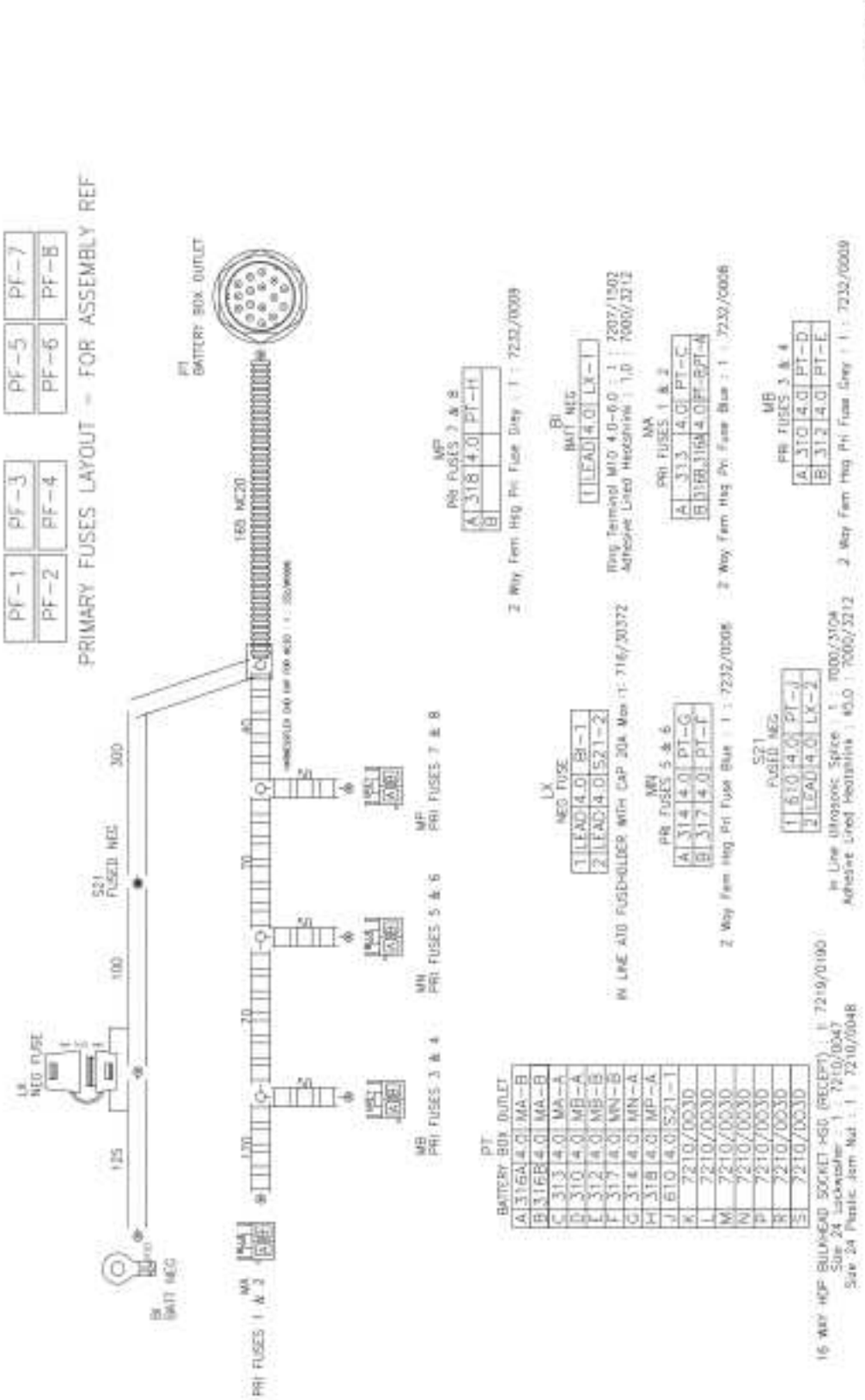


Fig 48. Primary Fuses Harness

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Transmission

Important: *Before attempting to tow the machine read the instructions, see* ***Section 1 - Basic Operation****.*

Description

These transmissions are composed of a hydrodynamic torque converter and a rear mounted multi-speed powershift transmission with integral transfer case. The torque converter is a wear free starting device which is infinitely variable adapting itself to the required situations.

The input is direct mounting through a diaphragm on the engine.

The transmission ratios may be selected manually or fully automatically by means of the associated Electronic Control Unit.

Type	Powershift Type 4WG-260				Powershift Type 5WG-260			
Torque Converter Diameter	370mm (14.5 in)				370mm (14.5 in)			
Starting Torque Multiplication	2.0-3.0				2.0-3.0			
	Forward		Reverse		Forward		Reverse	
Gear Ratios	1st	5.350:1	1st	5.350:1	1st	3.731:1	1st	3.731:1
	2nd	2.206:1	2nd	2.206:1	2nd	2.207:1	2nd	2.207:1
	3rd	0.969:1	3rd	0.969:1	3rd	1.421:1	3rd	0.970:1
	4th	0.624:1	Not Applicable		4th	0.970:1	Not Applicable	
					5th	0.625:1	Not Applicable	
Charge Pump Flow	130 l/ min (28.6 UK gal/min 34.4 US Gal/min)				130 l/ min (28.6 UK gal/min 34.4 US Gal/min)			
Oil Temperature	80 to 95°C (176 to 203°F)				80 to 95°C (176 to 203°F)			

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Axle Disassembly and Assembly

Preparation

The axle is a substantial unit.

The disassembly and assembly of the unit without the proper support frames and jigs is not recommended.

The procedures in this chapter always use fabricated jigs, stands etc. specifically made for the job.



Fig 12.

The support frame illustrated is the manufacturers recommended type.

Brake and Reduction Hub Disassembly



Fig 13.

1 Remove the differential drain plug and level plug. Allow the oil to drain into a suitable waste oil container.

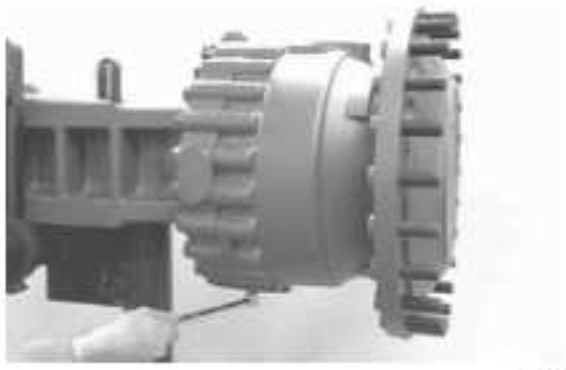


Fig 14.

2 Remove the drain plugs from both of the axle hubs and drain the lubrication oil.

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Fig 7.

Remove the retaining cap screws **J** and remove the thrust washer **K**.

Use suitable lifting equipment and slings to safely lift the rear trunnion **L** clear.



Fig 8.

Pull the bearing bush **Q** from the rear trunnion and inspect for wear. Discard if necessary.



Fig 9.

Remove the lip seal **M** from the trunnion and discard.



Fig 10.

Remove the cap screws **N** and lift the trunnion **P** from the axle.

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Removal and Replacement

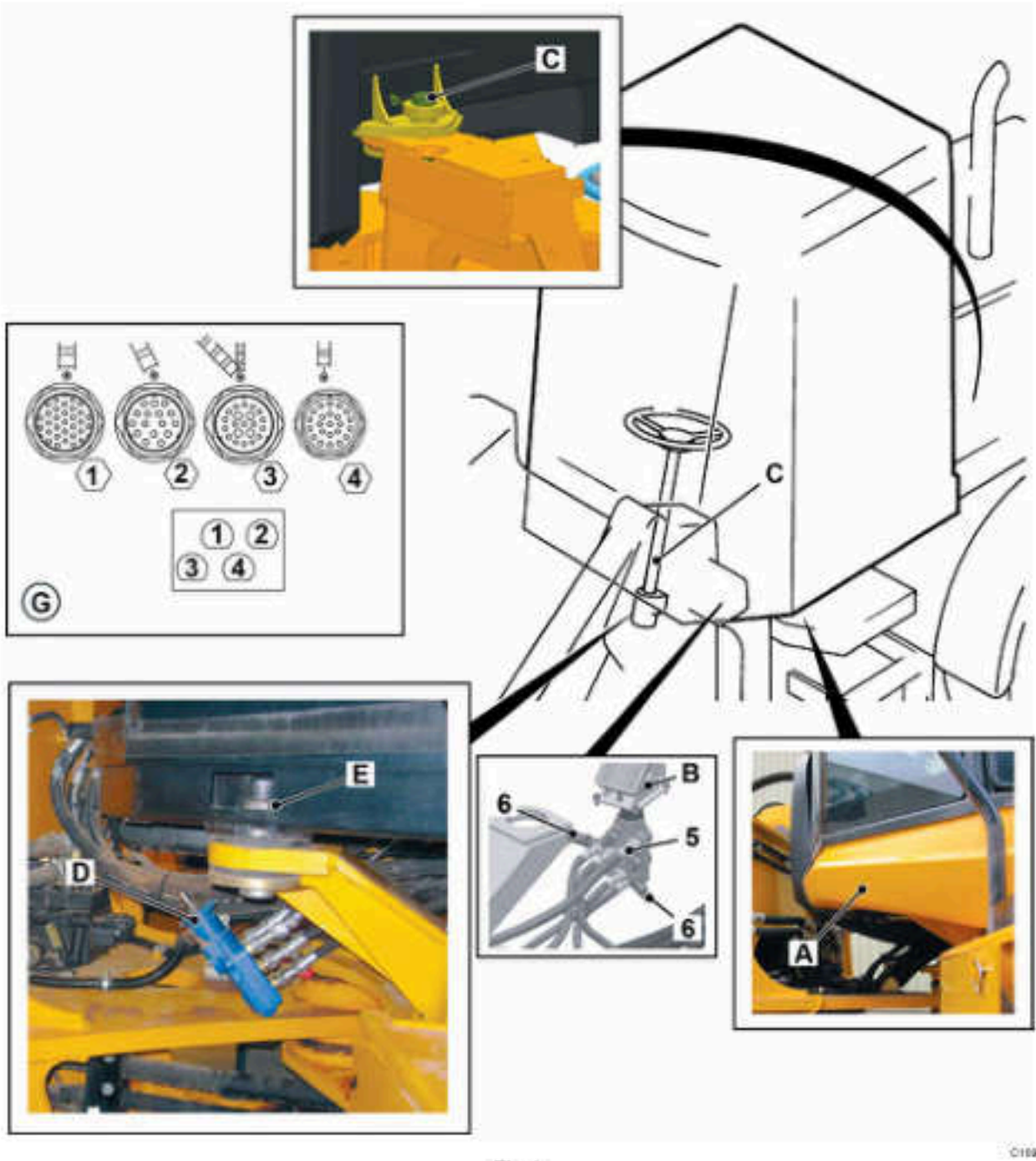


Fig 1.

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