Service Manual

JS200, JS210, JS220, JS240, JS260

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Section 2 - Care and Safety

Section 3 - Routine Maintenance

Section B - Body & Framework

Section C - Electrics

Section E - Hydraulics

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Section K - Engine



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Jig for pulling out, press-fitting bushing

WDB 2166	Bucket	80mm Piston Rod diameter
WDB 2167	Boom	85mm Piston Rod diameter
WDB 2170	Arm	100mm Piston Rod diameter
WDB 2168	Bucket	90mm Piston Rod diameter
WDB 2168	Boom	90mm Piston Rod diameter
WDB 2171	Arm	105mm Piston Rod diameter

Jig for press-fitting wiper ring

WDB 2166-1	Bucket	80mm Piston Rod diameter
WDB 2167-1	Boom	85mm Piston Rod diameter
WDB 2170-1	Arm	100mm Piston Rod diameter
WDB 2168-1	Bucket	90mm Piston Rod diameter
WDB 2168-1	Boom	90mm Piston Rod diameter
WDB 2171-1	Arm	105mm Piston Rod diameter

Jig for inserting cylinder head

WDB 2174	Bucket	80mm Piston Rod inner diameter
WDB 2175	Boom	85mm Piston Rod inner diameter
WDB 2178	Arm	100mm Piston Rod inner diameter
WDB 2176	Bucket	90mm Piston Rod inner diameter
WDB 2176	Boom	90mm Piston Rod inner diameter
WDB 2179	Arm	105mm Piston Rod inner diameter

Seal Ring and Connector Jig

WDB 2052	Seal Ring insert and connection jig set
Note: *The above Part no. is applicable to a tube diameter of 120mm*	

Bush Removal Jig

WDB 2166	Bush removal jig
WDB 2166-1	Retainer
Note: *The above Part no. is applicable to a rod diameter of 80mm*	

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Cab Harness A

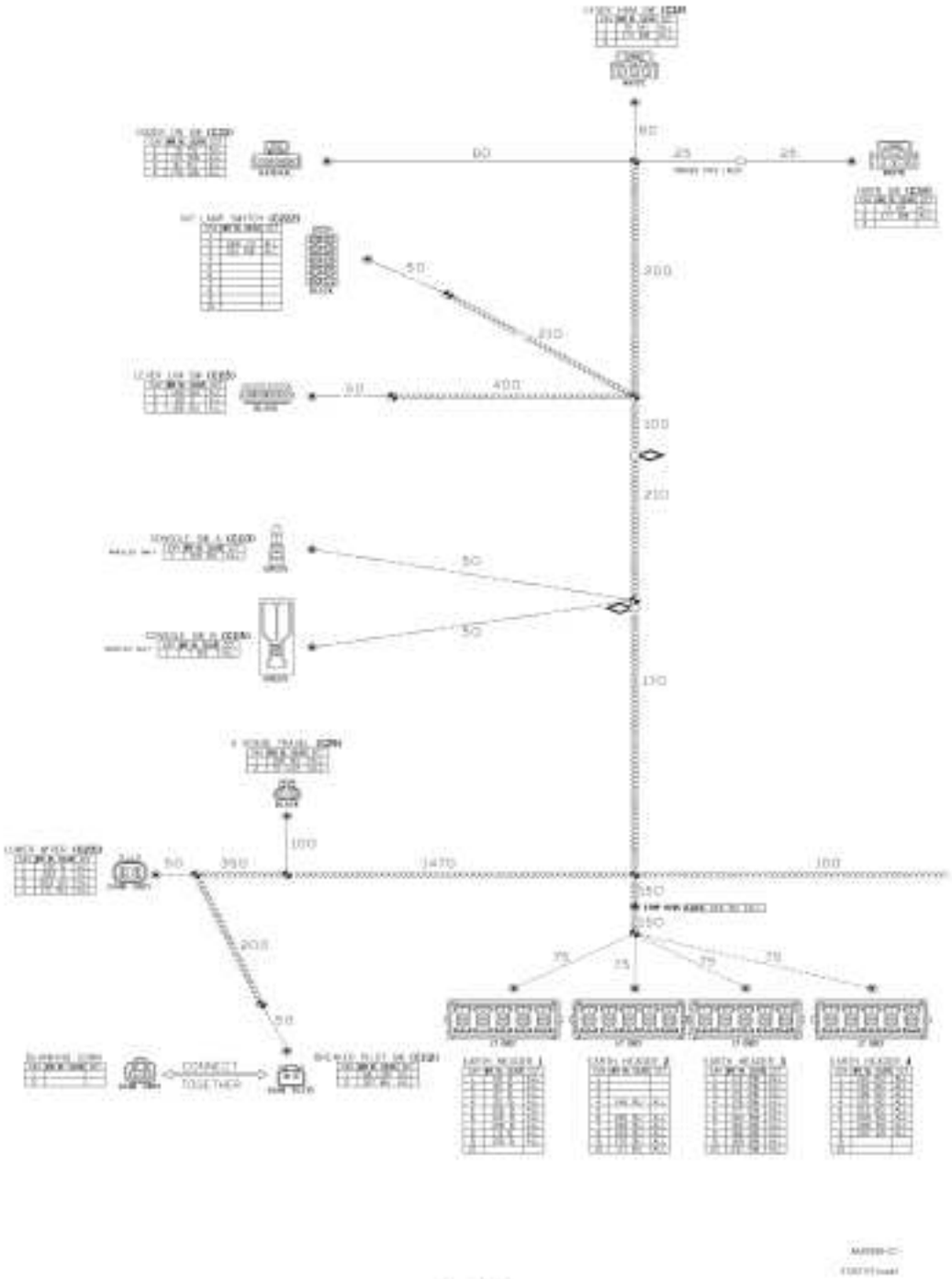


Fig 219.

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9 Remove shoe plate **211** and swash plate **212** from pump casing **271**.

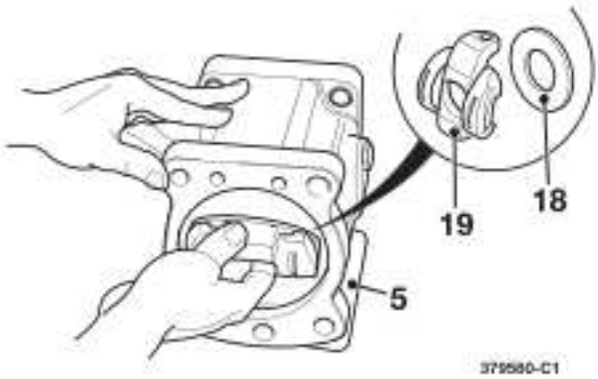


Fig 96.

10 Pump 1

Remove snap ring **824** and bearing spacer **127**. Using a plastic hammer, gently tap shaft **113** out of its support bearing **123** to remove it from swash plate support **251**.

Pump 2

Gently tap shaft **111**, at the end nearest the mating flange of valve block **312**, to separate it from swash plate support bearing **774**.

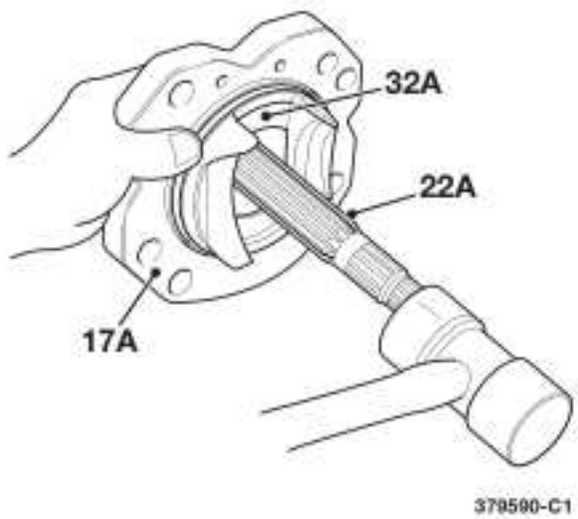


Fig 97.

11 Remove valve plate **313, 314** from the valve block **312**. It may be removed in step **4**.

12 If necessary, remove the stopper **534**, stopper **535**, servo piston **532**, tilting pin **531** from the pump casing **271** and also the needle bearing **124** and spline coupling **116** from the valve block **312**.

Use a jig to remove tilting pin **531** take care not to damage the fitting part of the tilting pin **531** and servo piston **532** because it is coated with JCB Threadseal. Do not remove the needle bearing **124** unless the life of the bearing is in question.

Note: *Do not loosen the hexagonal nuts of the valve block and swash plate support because the flow setting will change.*

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Fault Finding

JCB Service Master

Service Master is a gateway application allowing a large number of Vehicle Support Applications to be linked using one familiar interface. The interface acts as a graphical tool for selecting the target vehicle from a database of Vehicle Families and triggering the particular Service Tool Application desired. This removes the need for a user to 'remember' every individual service tool available and select which one is intended for a particular machine.

The Service Master also provides several key features that will accompany all JCB projects, a Multi Language editing tool that provides a means of individual text string translation for all JCB applications and the means to select a localised language translation for each JCB application.

The contents of this document aim to explain to you, the User, how to operate this application and to make most of its functionality.

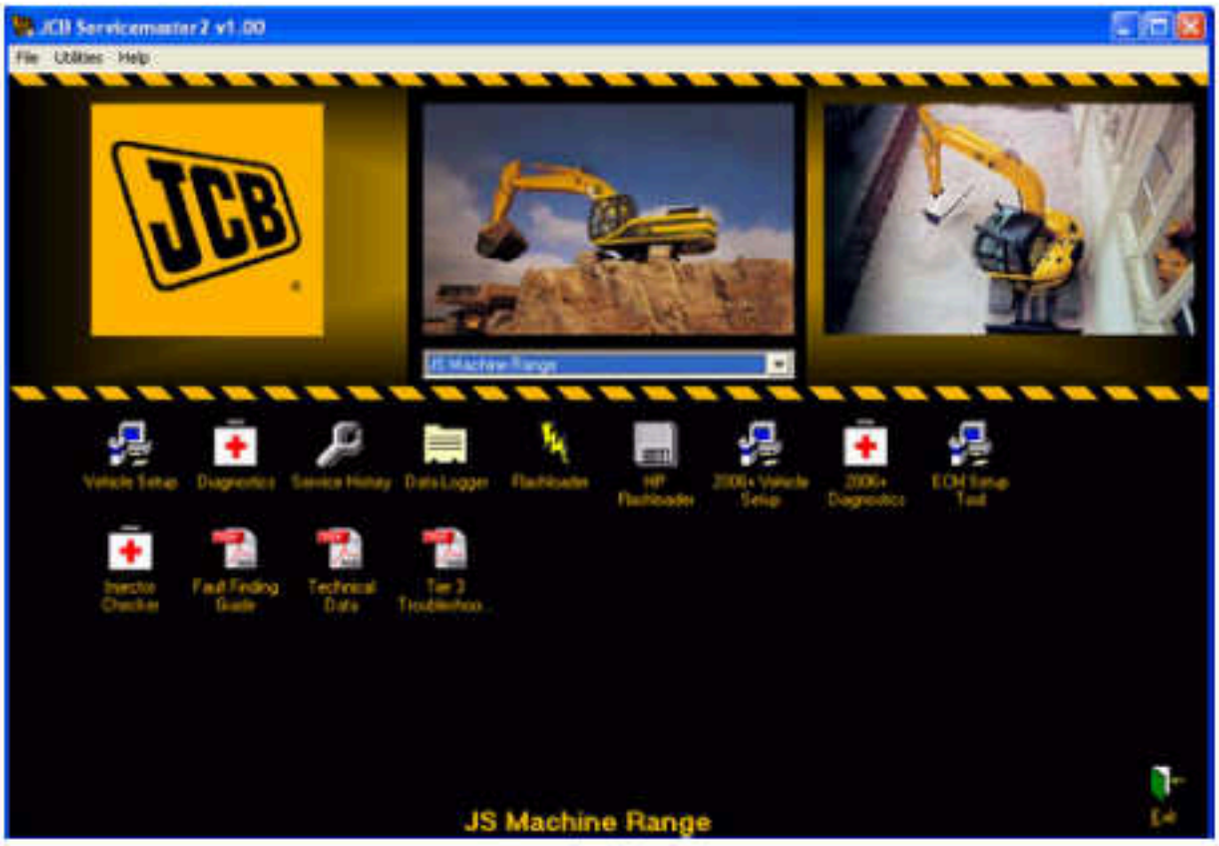


Fig 131.

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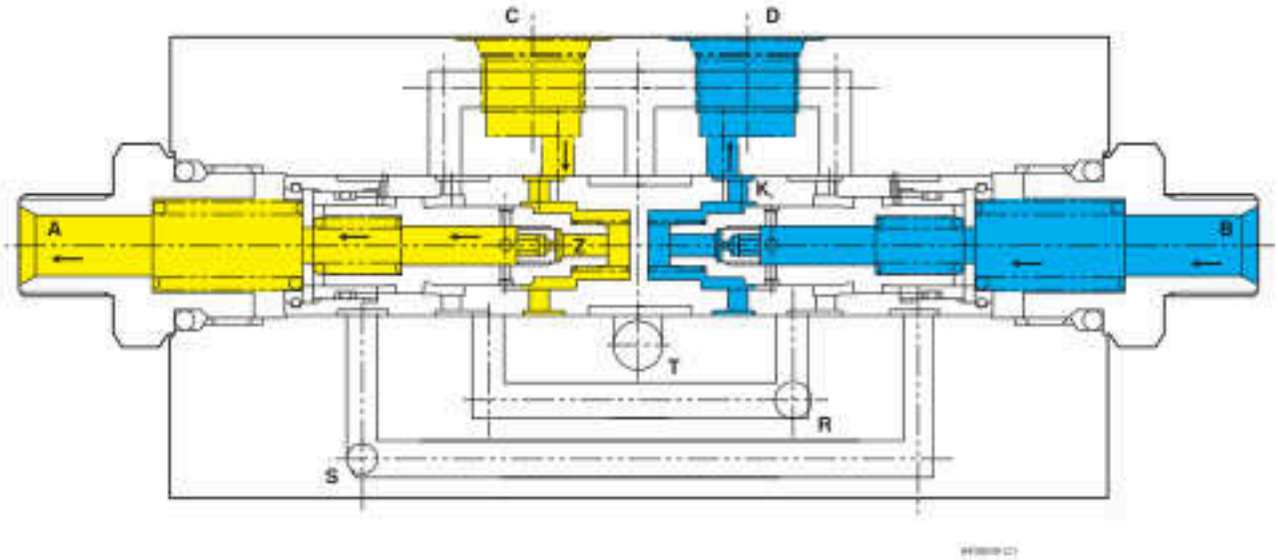


Fig 47. Cushion valve - Pressure applied to S port (Piloted Open)

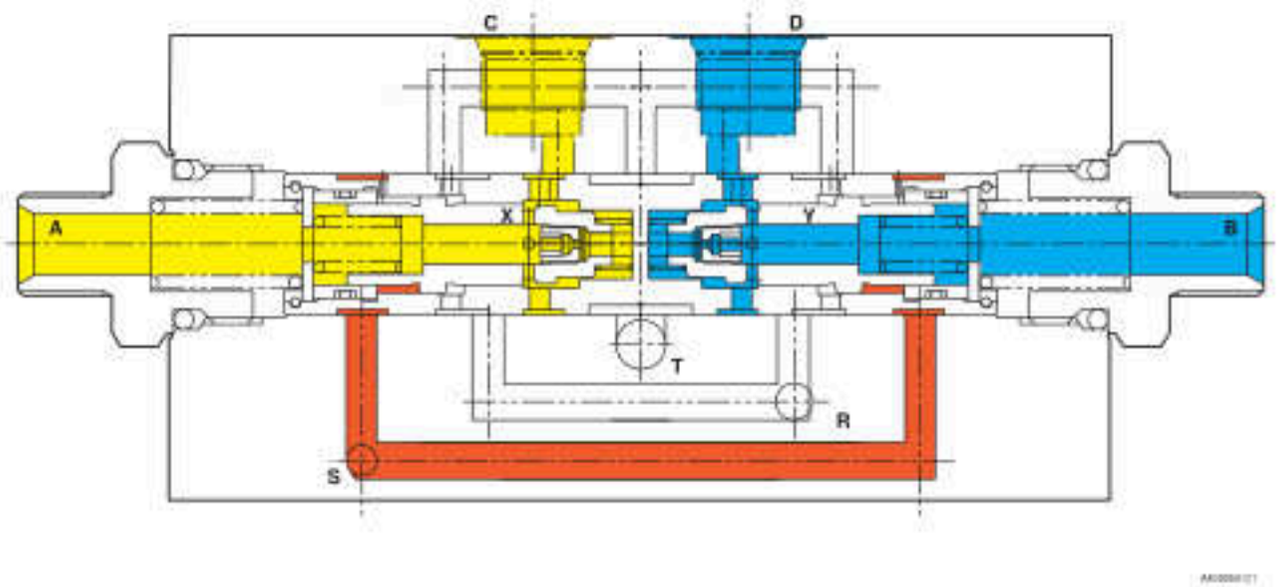


Fig 48. Cushion valve - No Pressure applied

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