Service Manual

VMT860 Tier 3

Service Manual - VMT860 Tier 3

Section 1 - General Information

Section 2 - Care and Safety

Section 3 - Maintenance

Section C - Electrics

Section E - Hydraulics

Section H - Steering

Section K - Engine

Section L - Vibration



Publication No.
9813/0750



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Issued by JCB Technical Publications, JCB Aftermarket Training, Woodseat, Rocester, Staffordshire, ST14 5BW, England. Tel +44 1889 591 000 Fax +44 1889 591 600

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Hydraulic Schematic VMT860

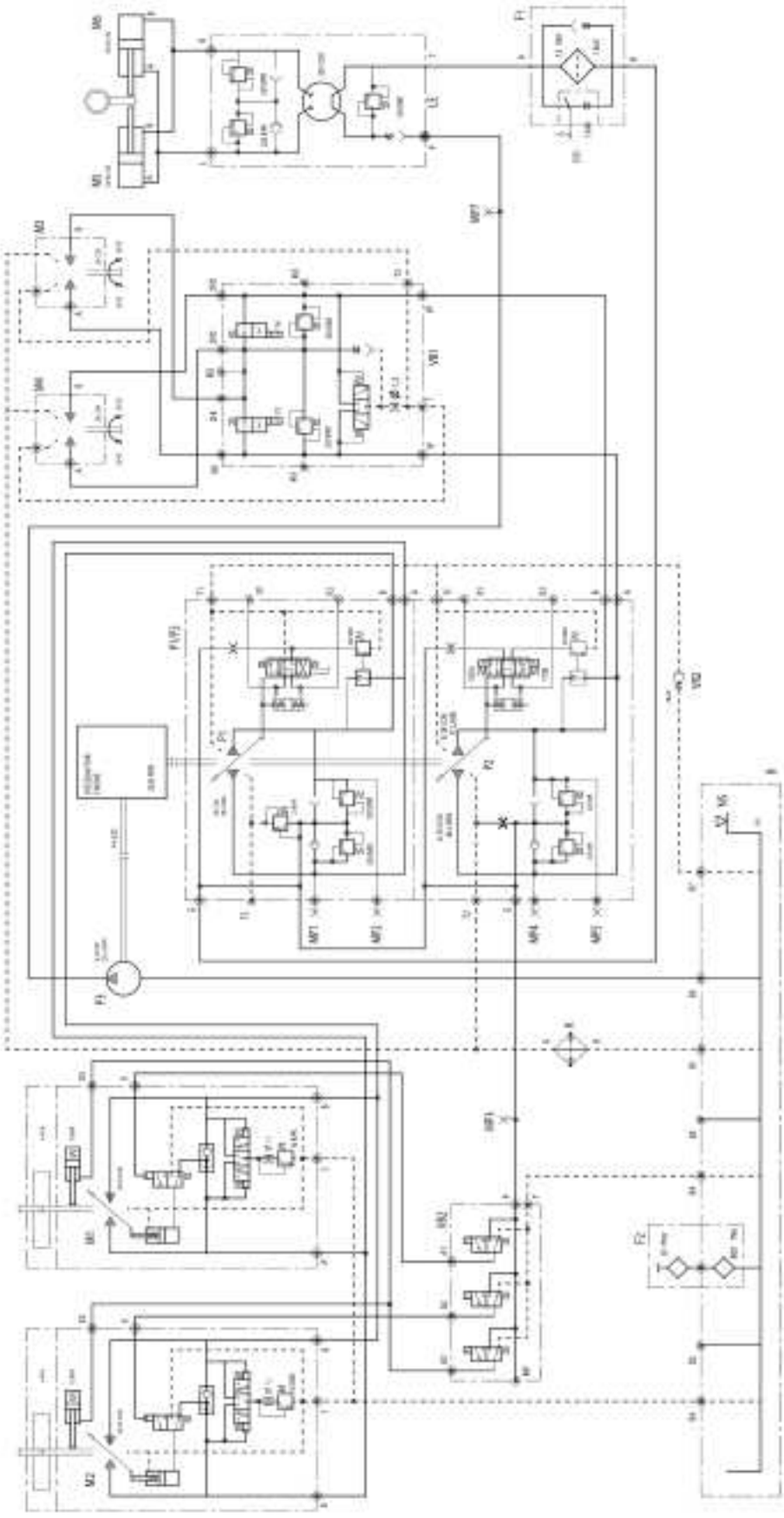


Fig 52. 332/N0208 Issue 2

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Replacement

Refitting is the opposite of the removal procedure. ⇨ *Removal (H-3).*

During refitting, carry out the following:

Renew all fasteners with the correct type. Make sure that correct length bolts are used in the correct place.

Use JCB high strength threadlocker (part 4102/0551) on the bolts that secure the articulation joint to the front and rear frames.

Make sure that fasteners and component mating faces are clean and undamaged. Check that all components are seated correctly when fitted.

Table 2.

Item	Torque
13	apply Loctite 275, torque to 79 ft lbs (107 Nm)
14	apply Loctite 275, torque to 79 ft lbs (107 Nm)
5	apply Loctite 275, torque to 140 ft lbs (190 Nm)
3	apply Loctite 275, torque to 81 ft lbs (110 Nm)

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Injectors

Removal and Replacement

Removal

1 Prepare the machine for maintenance. K Prepare the Machine for Maintenance (T 3-19).



Fig 1.

2 Turn the main electrical isolation switch OFF.

3 Close the fuel switch under the fuel tank.

4 Remove the service doors and covers on the front and left side.



Fig 2.

5 Remove the floor mat.

6 Take off the platform service plates.



Fig 3.

7 Remove the four platform fasteners and the two retainer fasteners **A**.



Fig 4.

8 Use suitable lifting equipment to lift the cab approximately 100 mm.

Note: *Use the four cab lift points*

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Hydraulic Pump

Description

The pump is a variable displacement, axial piston pump with swashplate design. The flow is proportional to the input drive speed and displacement. By adjusting the swashplate, it is possible to infinitely vary the flow.

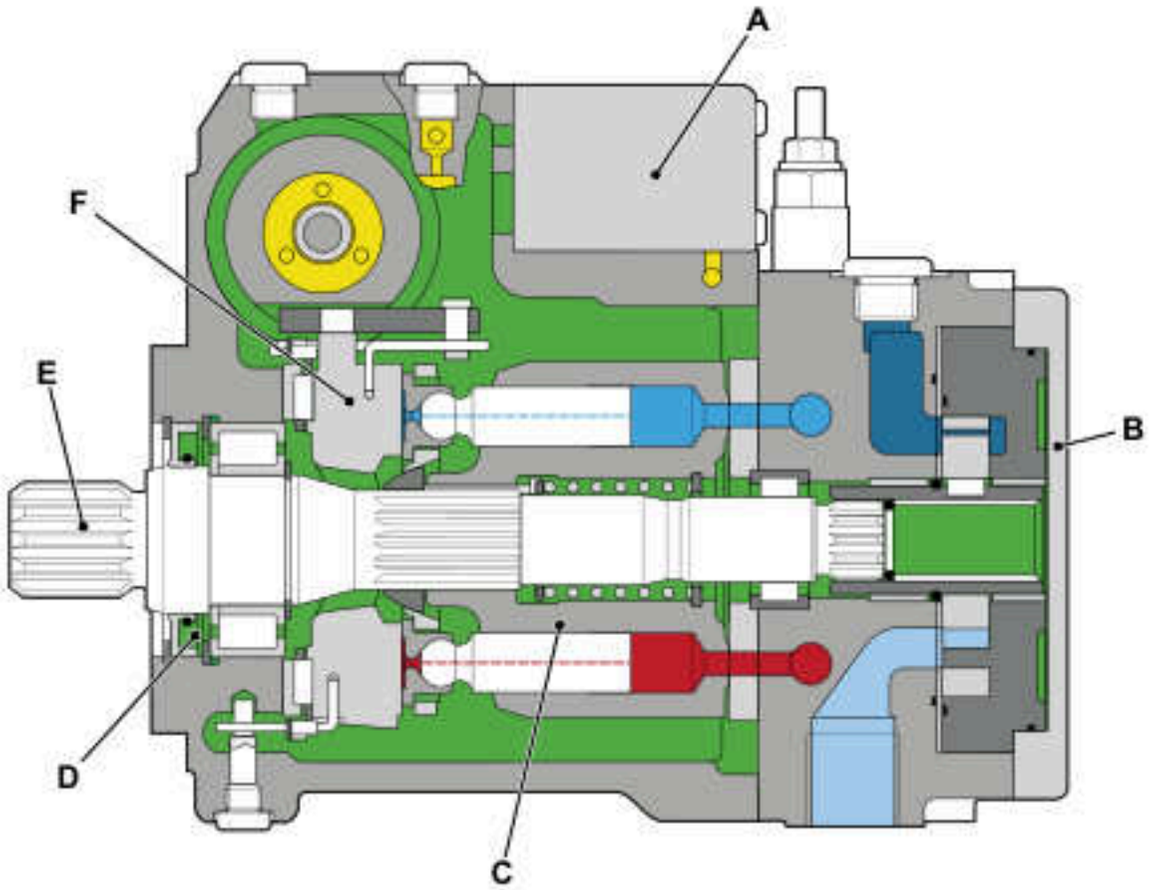


Fig 5.

Table 1.

Item	Description
A	Control Unit. ⇨ *Fig 5. (🗋 9)*.
B	Auxiliary Pump
C	Rotary Group
D	Shaft Seal Ring
E	Drive Shaft
F	Cradle

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