WEBM003301

SHOP MANUAL

WB150AWS-2

BACKHOE-LOADER

SERIAL NUMBER

WB150AWS-2 150F80001 and up

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Oil leakage form gaskets and seals	
CAUSES	**REMEDY**
Prolonged functioning at high temperature of the oil	Replace the gasket or seal and matching surface if damaged Use correct lubrication and replace at recommended intervals
Oil gasket assembled incorrectly	
Seal lip damaged	
Contaminated oil	

Excessive wearing out of input flange spline	
CAUSES	**REMEDY**
Exhaustive use	Replace the flange Check that the pinion spline is not excessively worn out Replace bevel gear set if required
Pinion nut loosened	
Pinion axle backlash	

Fatigue failure of pinion teeth	
CAUSES	**REMEDY**
Exhaustive use	Replace bevel gear set
Continuous overload	

Pinion and ring teeth breakage	
CAUSES	**REMEDY**
Crash load of differential components	Check and/or replace other differential components

Side gear spline worn out	
CAUSES	**REMEDY**
Excessive use	Replace differential gear group. Replace halfshaft if required

Thrust washer surface worn out or scratched	
CAUSES	**REMEDY**
Insufficient lubrication; contaminated oil; incorrect lubrication	Use correct lubrication and fill up to right level. Replace at intervals recommended. Replace all scratched washers and those with 0,1mm thickness lower than the new ones

Inner diameter of tapered roller bearing worn out	
CAUSES	**REMEDY**
Excessive use axial pinion	Replace bearing. Check pinion axial backlash. Use proper lubrication, fill up to right level and replace at recommended intervals.
Excessive pinion axial backlash	
Insufficient lubrication; contaminated oil	

Bent or broken halfshaft or halfshaft broken at wheel side	
CAUSES	**REMEDY**
Vehicle intensively operated or overloaded	Replace. Check that wheel support is not worn out or wrongly adjusted.
Wheel support loosened	
Beam body bent	

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REMOVAL OF THE FRONT COUNTERWEIGHT

⚠ Fully raise the front working equipment and engage the safety stop.
Also make the backhoe safe.

1 - Partially loosen the screws (1) to eliminate the tightening torque, and thus to facilitate the subsequent dismantling procedure.

1

2 - Insert the prongs of a fork-lift truck into the ventilation slits, and force them gently upwards to compensate for the weight of the counterweight (2).

3 - Remove the screws (1) and the washers (3).

4 - Remove the Front counterweight (2).

Counterweight: 300 kg



INSTALLATION OF THE FRONT COUNTERWEIGHT

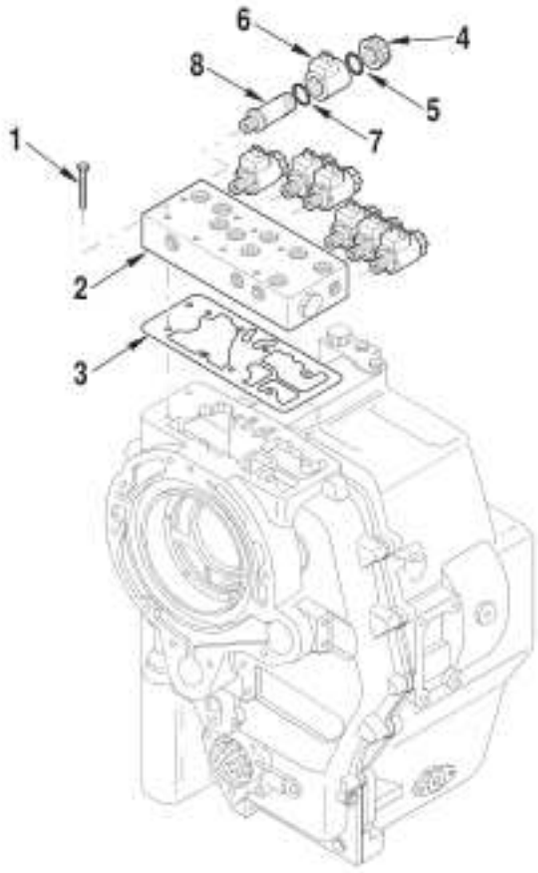
- To install, reverse the removal procedure.

1

Screws: 300±30 Nm

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9. Disassembly hydraulic control valve



RKZ06470

1 - Drain oil from transmission hydraulic circuit.

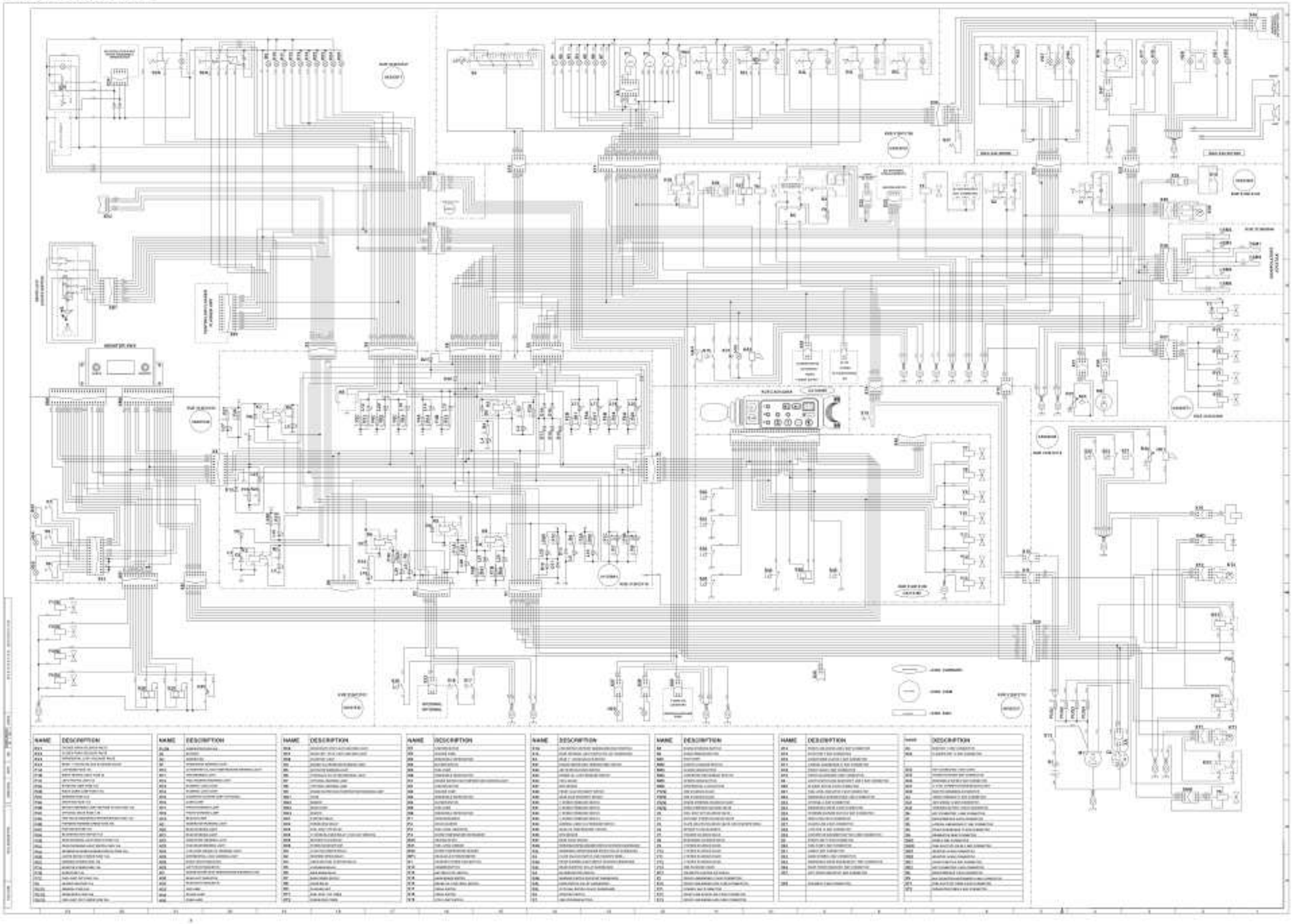
2 - Disconnect all electrical connections.

3 - Untighten all the fitting of the delivery pipes connected with the control valve.



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ELECTRICAL DIAGRAM



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