MAXXFARM 60

Preliminary Service Manual

May 2009

47673551

NB For Maxxfarm 60 refer to the U60 model listed in this manual

CASE IH AGRICULTURE

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Troubleshooting

PROBLEM	POSSIBLE CAUSES	REMEDY
No drive when gear selected and clutch pedal released	1. Rear axle or transmission faulty	1. Engage differential lock. If tractor drives, fault indicated from output of differential unit. If still no drive, possible transmission or rear axle fault. Note: If FWD fitted, engage FWD, if tractor drives, transmission O.K.
	2. Clutch bearing not releasing	1. Pedal not releasing fully, keeping bearing engaged.
	3. Friction disc completely worn	1. Replace friction disc
	4. Pressure plate faulty	1. Repair or replace pressure plate
Engine speed increases without a corresponding rise in road speed, clutch pedal released.	1. Clutch friction disc slipping	1. Check clutch adjustment 2. Worn friction disc 3. Pressure plate faulty
Difficulty engaging gears	1. Clutch Dragging (not fully disengaging)	1. Check clutch adjustment 2. Worn friction disc 3. Faulty pressure plate
Impossible to engage gears, engine stalls when tractor halted, clutch pedal depressed	1. Clutch not disengaging	1. Check clutch adjustment 2. Linkage disconnected / mechanical faulty 3. Clutch disc seized on to flywheel, pressure plate or input shaft spline 4. Pressure plate faulty, repair or replace if necessary
Noise from transmission or noise change when pedal is depressed and released	1. Release bearing worn	1. Replace release bearing
Clutch fails to engage smoothly	1. Defective clutch friction disc 2. Defective pressure plate 3. Defective flywheel	1. Replace friction 2. Replace pressure plate 3. Inspect flywheel as detailed in the Engine Section

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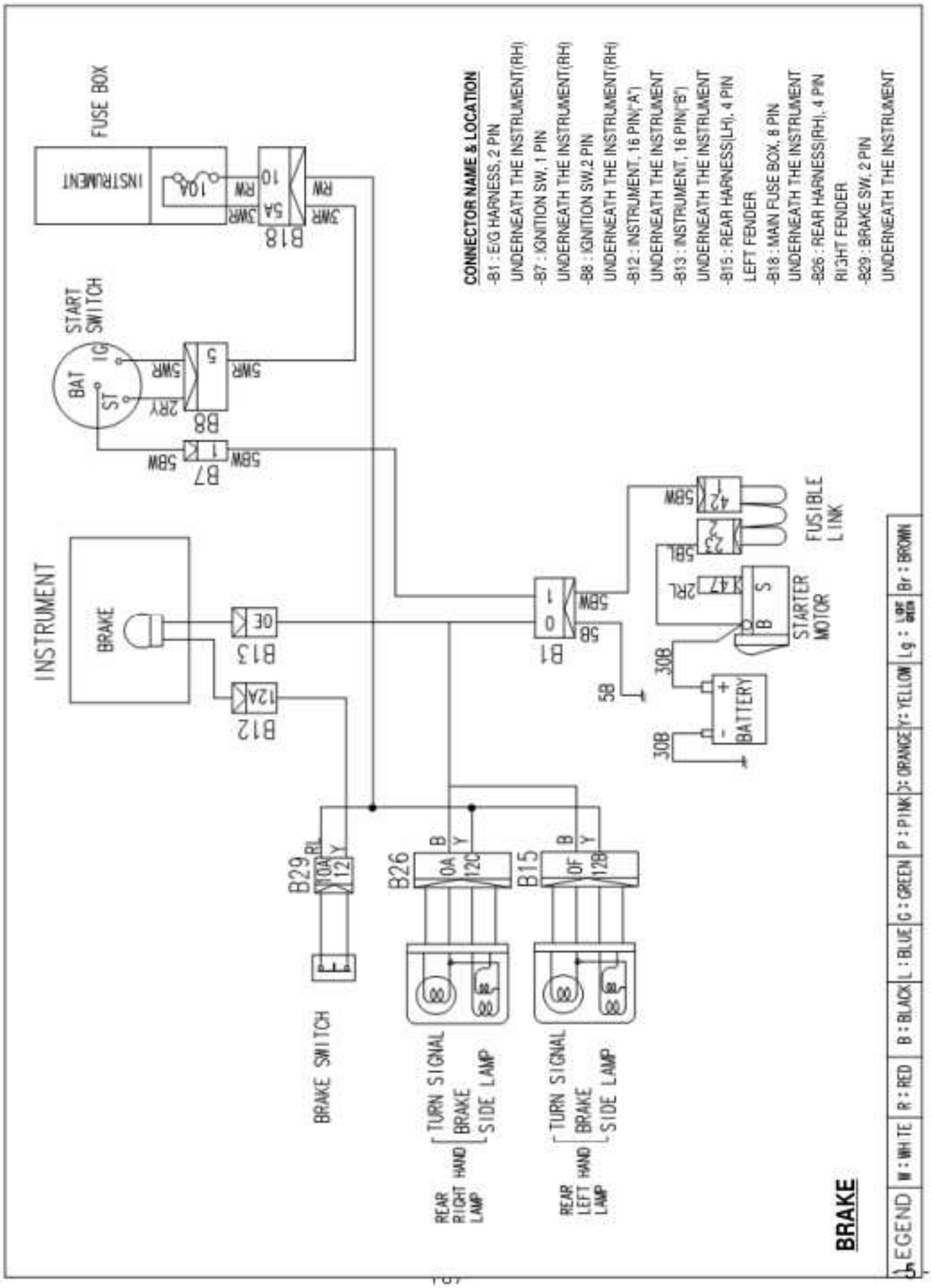
Specification - Hydraulic System Schematic Diagrams

No.	Components (Part no.)	Specification		Remark
12	**Hydraulic lift housing**	1) Safety valve 2) Down speed control valve	210 kg-f/㎠ Ball(Check valve) Adjust type	
13	**Hydraulic lift cylinder**	1) Dimension	D90Xstroke128 – u43.47.60 D100Xstroke 128.6 – U55	
14	**Hydraulic lift control valve**	1) Type 2) Capacity	Position & draft control 35 liter/min.	
15	**Oil cooler by-pass valve**	1) Cranking pressure 2) Opening pressure	4.2 bar 5.5 bar	
16	**Oil cooler**	1) Cooling capacity	6200 kcal/h (Min)	
17	**Transmission case**	1) Capacity 2) Oil specification	46 liter LS hydraulic oil	SAE 80

* The specifications can be changed to add improvements without notice.

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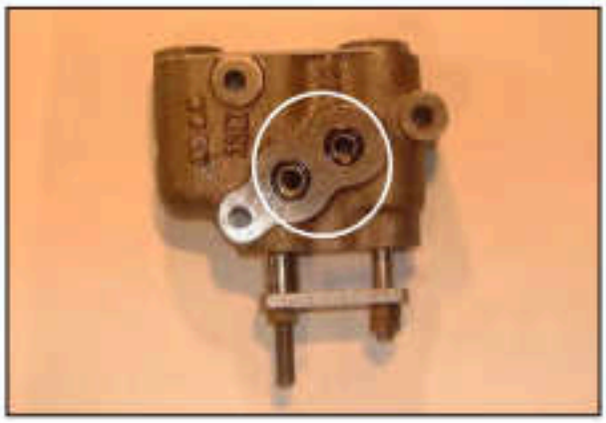


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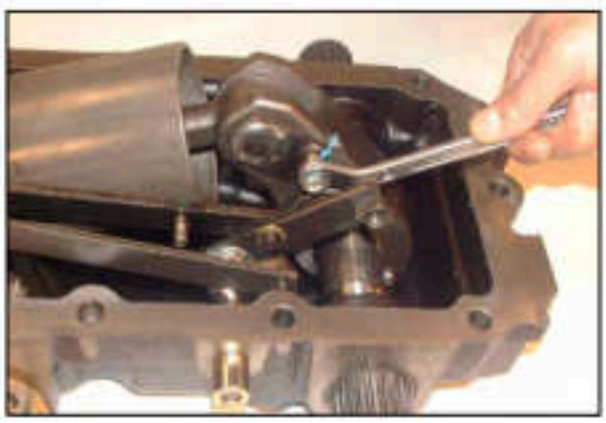
3. Remove the retaining 3 bolts and remove the Hydraulic lift control valve assembly.



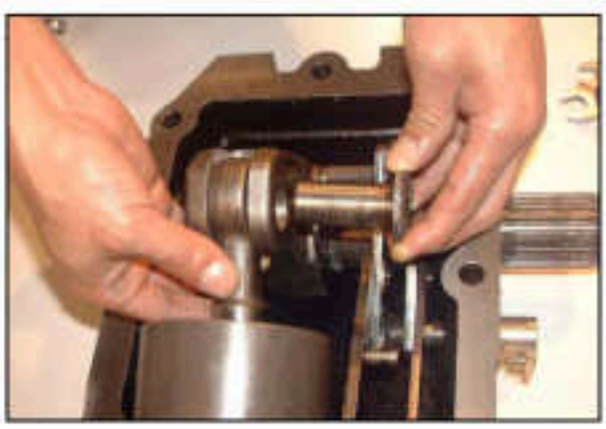
ATTENTION *: Check the O-ring is installed correctly in position prior to installing the valve to the housing.*



4. Remove the piston rod pin retaining bolt.



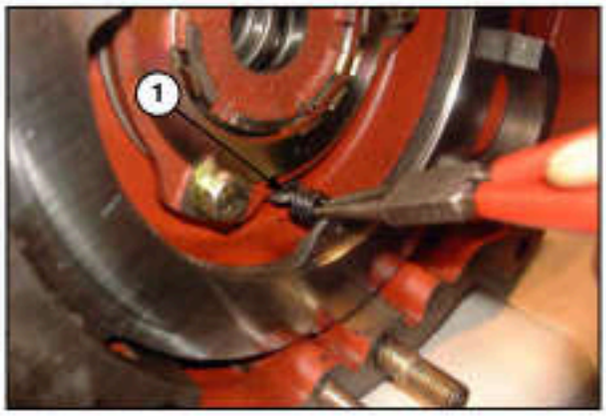
5. Remove the piston rod pin.



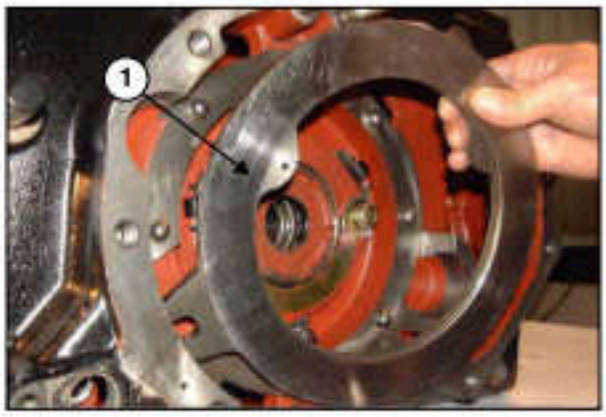
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Brake and rear differential disassembly

WARNING *: Handle all components with the greatest of care. Do not insert hands or fingers between the parts. Wear suitable protective clothing, including goggles,gloves and footwear.*



1. Remove the 3 springs (1) on the brake cam plate.



2. Remove the brake cam plate (1).

ATTENTION *: Pay a special attention not to lose the ball.*

ATTENTION *: Coat the 8 ball's groove with grease to be remained in their place prior to installation.*



ATTENTION *: Make sure that the cam plate is aligned to the correct position when re-assembling.*



3. Remove the brake arm.

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