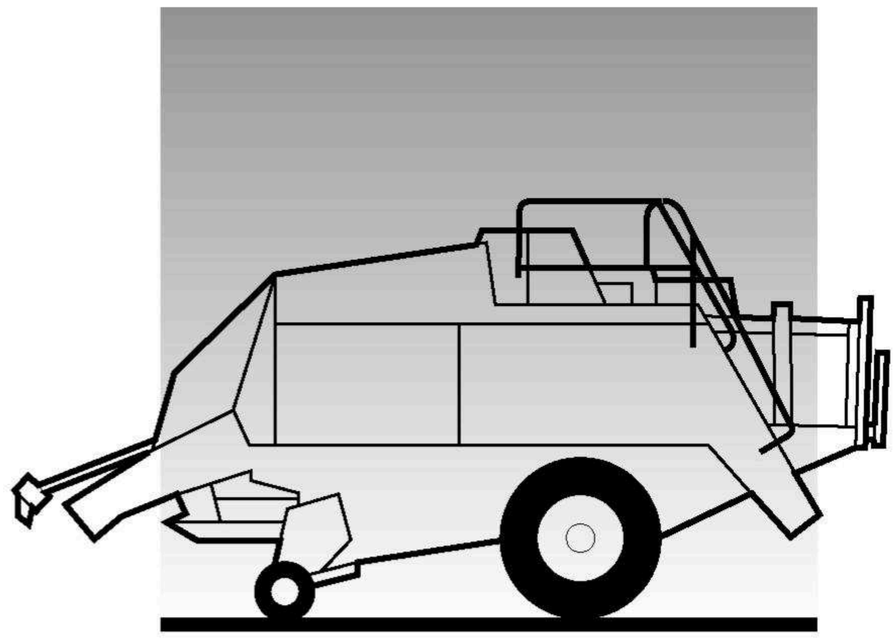


# NEW HOLLAND

D1010 4860
D1210 4880

590
595

# REPAIR MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

Print No. 604.66.011.00

MidWestTech | New Holland D1010, 4860, D1210, 4880, 590, 595 Square Baler Service Manual | Publication 6046601100

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| Tractor requirements | MODELS 4860/D1010 - 4860S/D1010S |
|---|---|
| Minimum weight | 6000 kg |
| Horsepower | 100 to 140 hp at p.t.o.<br>Recommended 120 hp |
| P.t.o. standard speed | 1000 rpm |
| P.t.o. shaft | 1-3/8" - 6 splines<br>1-3/8" - 21 splines |
| Hydraulics | Single remote (pick-up lift) + double-acting valve (for bale ejector) |
| Trailer braking hydraulic system | Standard outlet for brake |
| Electrical system | 12 V DC |
| Outlet | ASAE 7-pin connector |
| Maximum hydraulic pressure | 190 bar |
| Maximum brakes hydraulic pressure | 150 bar |

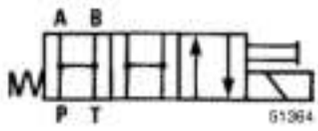
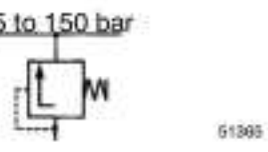
NOTE: Specifications subject to change without notice and without liability therefore.



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# 3. SPECIFICATIONS OF HYDRAULIC COMPONENTS

* models 4860S/D1010 silage and 4880/D1210 (automatic density control)
** models 4860/D1010 manual density control

| N_ | Description | Ref. | Supplier | Characteristics |
|---|---|---|---|---|
| 1 | Reservoir<br>+ suction filter | 89837641 | HYDAC | 14 litres<br>connections:P = 3/8 G<br>T = 1/2 G |
| 2 | Pump | | | 2.6 cm3/rev<br>1,000 rpm |
| *3 | Valve manifold block | 89837615 | MECABOR<br>MR3.2G P and T | Cetop 3 |
| *4 | Solenoid<br>by-pass valve | 89837652 | VICKERS<br>DG 4V-3<br>OBL MUG-7-60 |  |
| *5 | Non-return valve | 89837615 | VICKERS<br>DGM DC 3<br>PY L20 |  |
| *6 | Solenoid control valve | 89837652 | VICKERS<br>DG 4V-3<br>OBL MUG-7-60 | |
| *7 | Pressure relief valve | 89837651 | VICKERS<br>DGM-C-3-PT<br>FW - 30 | 0-200 bar |
| 8 | Pressure gauge | 89837610 | UCC<br>UC 1695 | 0-250 bar |
| 9 | Bale density<br>hydraulic rams | 89837629 | SERTA<br>03510002658886 | 4880: 35 x 100 x 265<br>4860: 35 x 90 x 310 |
| 10** | Discharge valve | 89513140 | BOSCH<br>0532003001 |  |



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# 5. TROUBLESHOOTING

## AUTOMATIC LUBRICATION SYSTEM

| CONCERN | POSSIBLE CAUSE | REMEDY |
|---|---|---|
| **Low oil consumption** | Oil pressure is too low. | 1. Pump is difficult to activate: seized up because of dust or earth. Clean the pump.<br>2. Pump is not adjusted to deliver enough oil. Adjust the pump displacement.<br>3. Check valves in pump are not properly or completely seated. Dismantle, clean or replace the pump. |
| | Oil too thick. | Replace oil with thinner oil. |
| | Dirt into the circuit. | Replace all metering units. |
| **Excessive oil consumption.** | Main oil way is damaged. | Repair or replace. |
| | Oil too thin. | 1. Fill up the system with thicker oil.<br>2. Reduce pump displacement. |
| **Bearings run dry.** | No oil pressure. | 1. Squeezed line. Repair.<br>2. Pump does not operate. Repair, adjust or replace pump.<br>3. Main oil way is damaged. Repair or replace.<br>4. No oil in reservoir. Fill up.<br>5. Air in the circuit, purge.<br>6. High rate of impurities. Clean the system and replace the metering units. |



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