SERVICE MANUAL

PS2045

Mechanical-Seeder

Part number 47918066

English

January 2015

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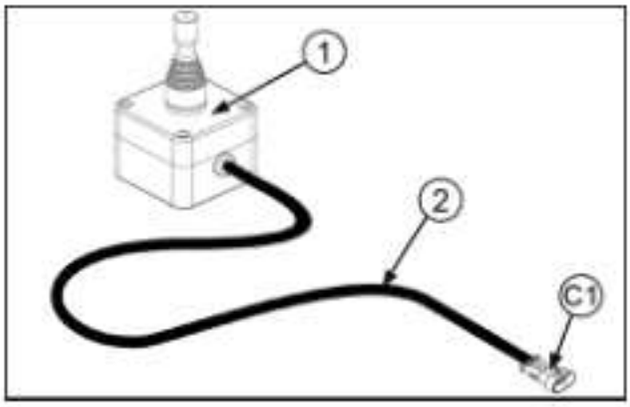
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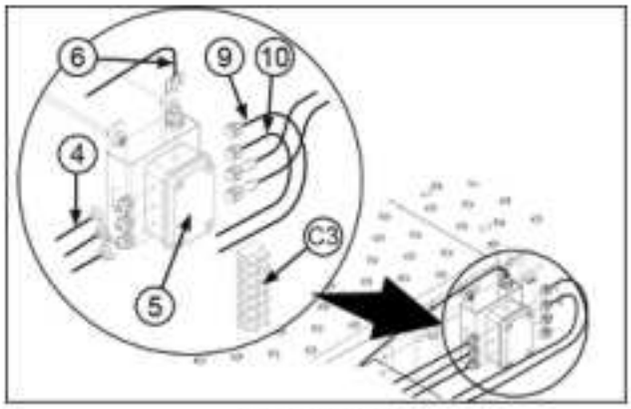
General specification

Specification / Model	PS2045M
Number of rows x spacings	26 X **173 mm**
Minimum required power	**88 kW (120 Hp)**
Seed box capacity	**2,000 L – 1560 kg (3439 lb)**
Pasture box capacity (If equipped)	**130 L**
Tires	16.9-28 TM 95 (8 ply)
Standard weight (approximately)	**6150 kg (13558 lb)**
Recommended operating speed	**4.0 - 8.0 km/h (2.5 - 5.0 mph)**

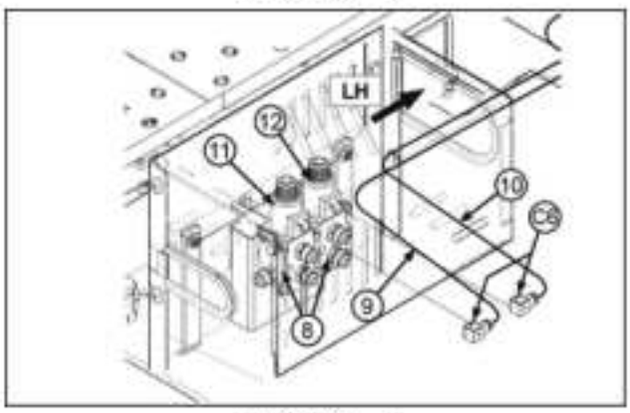
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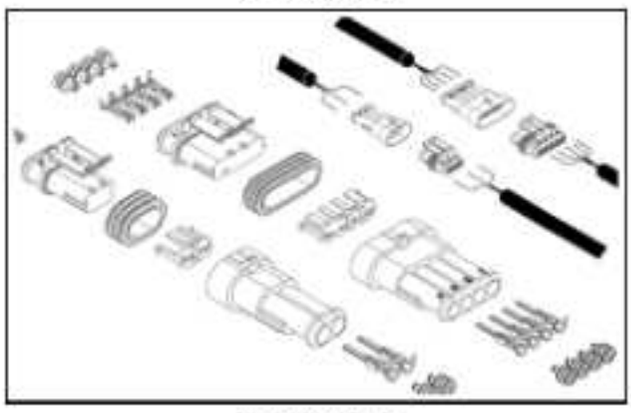
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Disassembled connectors: repairs require special tooling.

Key valid for all the figures in this chapter:

Item	Description	Item	Description
1.	Joystick-type electrical control, selects hydraulic functions (see below).	2.	First section of the control harness: from control **(1)** to connector **(C1)**.
3.	Second section of the control harness: from connector **(C1)** up to connector **(C2)**.	4.	Second section of the control harness: from connector **(C1)** up to connector **(C2)**.
5.	Connector protection box **(C3)**.	6.	Cable from the tractor's electrical outlet from the plug connector **(C4)**, also passing through the connector **(C5)**: general power.
7.	Harness loops: observe the state and their fastening, ensuring the integrity of harness.	8.	Dual solenoid valve, controlled by the control **(1)**.
9.	End harness, from right-hand side solenoid valve **(11)**.	10.	End harness, from left-hand side solenoid valve **(12)**.
11.	Coil of the right-hand side solenoid valve: controls the transport drive wheels.	12.	Coil of the left-hand side solenoid valve: controls the drawbar.

Connectors

Connector	Description	Connec-tor	Description
C1.	Initial connector (3 poles): interconnect the control harness **(2)** up to section of the control harness **(3)**.	C2.	Second connector (3 poles).
C3.	**10 mm** Sindal-type multiple connector, inside the plastic box **(3)**.	C4.	Connecting plug to the tractor's electrical outlet .
C5.	Intermediate plug.	C6.	Connectors for connecting the cables **(9)** and **(10)** from solenoid coils **(11)** and **(12)**.

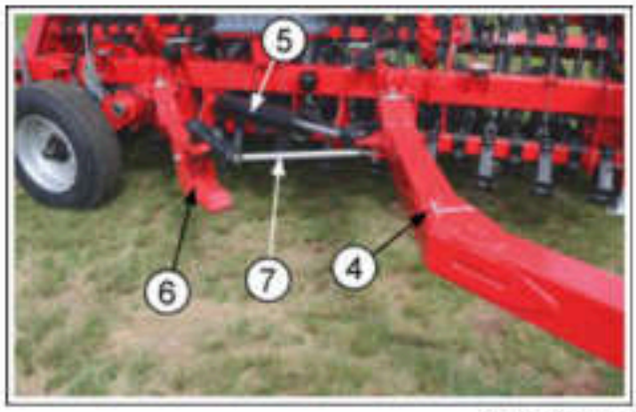
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Drive gear - Remove

1. Release the tension and remove the chain.
2. To disassemble:
   - Remove nuts and bolts **(1)**, fixing the bearing.
   - Bearings **(M1)**: remove snap ring **(2)**.
   - Bearings **(M2)**: remove snap ring **(2)** and cotter pin **(6)**.
   - Bearings **(M3)**: loosen and remove stopper **(7)** and snap ring **(2)**, bearing retaining over the shaft.
   - Remove shielded bearing **(3)** and gears **(5)**. If necessary, use a bench press.
   - If the bearing is noisy when rotate by hands and/or grease leakage by shielding, replace it.

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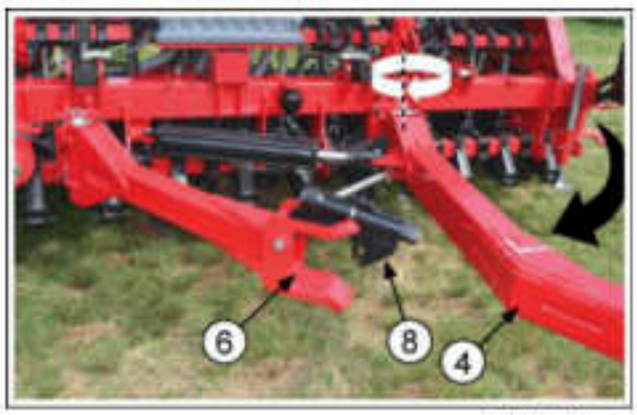
7. With the tractor's transmission in neutral and the brakes free, actuate the hydraulic cylinder **(5)** to re- tract the rod: the machine will start turning to working position.
8. For this movement of the machine, it is necessary that the drive wheels are on the ground, however, without finding obstacles for the movement.
9. Operate the remote control carefully until the drawbar beam **(4)** fits on the end fork of the articulated auxiliary arm **(6)** .



4

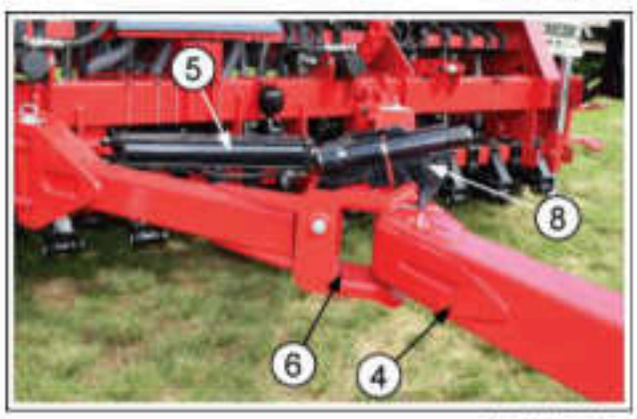
NOTE: *During the turning of the machine, the arm* ***(6)*** *is positioned for engagement by the rod* ***(7)*** *.*

10. During machine movement the locking hook **(8)** must remain in the position shown.



5

11. After full seating of the beam **(4)** in the fork **(6)** of the auxiliary arm, by the action of the hydraulic cylinder **(5)** , the locking hook **(8)** descends by gravity, making the retention of the beam **(4)** .



6

12. Picture alongside: locking hook **(8)** in locked position.



7

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Carrying and transport wheel supports - Remove

1. Lower and lock the support stands **(18)**.

NOTE: *Performing the removal procedure with Seeder hitched to the tractor makes it safer, as it favors the stability of the machine.*



1

2. Lock the wheel arm **(3)** installing lock **(2)**.
3. Release the wheel's fixing nuts.
4. With a jack of adequate capacity, lift the rear of the frame until allowing the removal of the wheel.

NOTICE: *Wedge the rear of the frame with a suit- able bracket: never work on a machine with this suspended only by the jack.*



2

5. Remove the wheel and safeguard **(4)** of chain **(8)**. Loosen the tensioner **(5)** of the chain and remove it.

NOTE: *The arm **(3)** can be removed together with the shaft and hub **(19)** mounted yet, or you can remove the hub first as described in the previous chapter*

6. With a suitable lifting device, keep the weight of the arm (with or without the shaft and hub **(19)**) suspended.



3

7. Remove the lock pin **(17)** and the large gear **(12)** of the hex shaft.



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