

# OPERATING MANUAL

Frame

Modelle: SW 8/10/12/14/16/18/20 TC



## Contact

**STREUMASTER MASCHINENBAU GMBH**

Handwerkstrasse 1  
D-62860 Egglkofen  
Tel. DE : +.49.8639.60.8.0  
Email : sales@streumaster.com

*Service and spare parts***Technical Support and After-Sale-Service**

Tel. DE : +.49.8639.60.8.555  
Email : service@streumaster.com

**▶ Spare parts**

Tel. DE : +.49.8639.60.8.444  
Email : parts@streumaster.com



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## 1.1 Initial startup

### 1.1.1 Initial startup of the TC model



#### **IMPORTANT**

Before the initial startup, check whether the tractor coupling hitch is designed for the permitted total weight and drawbar load (see *Technical Data*) of the spreader.

See the tractor vehicle's operating instructions on how to couple and uncouple the spreader.

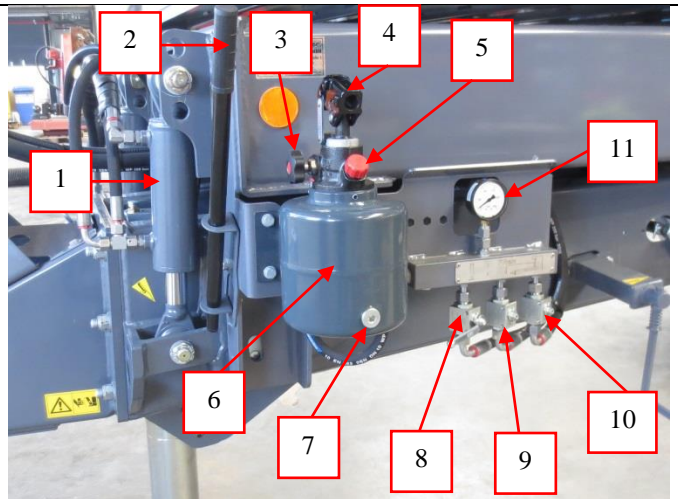


#### **CAUTION**

Standing between the spreader and the tractor is forbidden while the spreader is being coupled.

#### 1. Details of drawbar suspension:

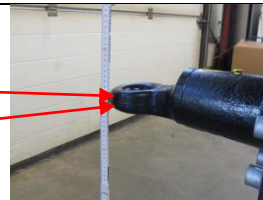
- 1 = Drawbar suspension cylinder left/right
- 2 = Pumping hand lever
- 3 = Drain valve handwheel
- 4 = Hand pump
- 5 = Oil top-up opening
- 6 = Oil tank
- 7 = Oil drain auger
- 8 = Support jack shut-off valve
- 9 = Cylinder shut-off valve
- 10 = Rod-side shut-off valve
- 11 = Pressure gauge

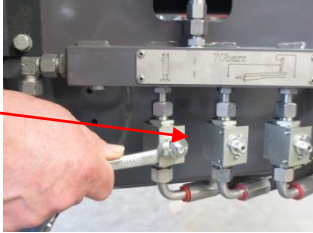
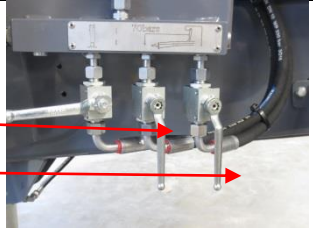



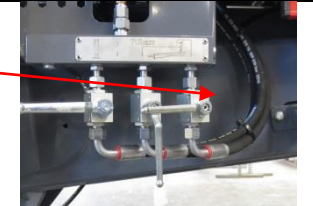


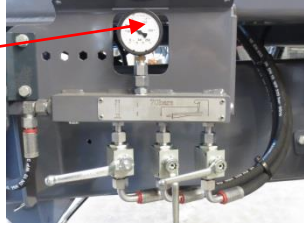

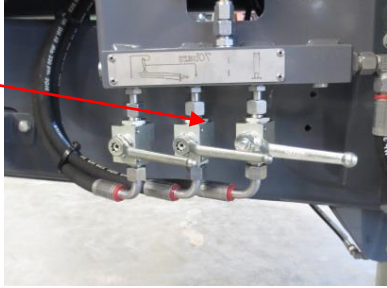


#### 2. Adjusting the drawbar suspension:

##### **1. = Check the factory setting of the drawbar suspension**

Factory setting is 600mm from ground for bottom coupling and 1000mm for top coupling. To do this, position the tractor vehicle and check the height of the towing device. The machine should be horizontal (check with a spirit level)! If this is not the case, the drawbar suspension must be adjusted (see Point 2.)



<p><b>2. = Adjusting the drawbar suspension.</b></p> <p>2.1 = Position the tractor at the towing device</p> <p>2.2 = Adjust height with the support jack and attach the machine</p> <p>2.3. = Retract and fold up the support jack and close the shut-off valve</p>	
<p>2.4. = Close the support jack shut-off valve</p>	
<p>2.5 = Attach the lever and open the two shut-off valves</p> <p>ROD SIDE</p> <p>PISTON SIDE</p>	
<p>2.6. = Close / turn off the hand pump drain valve</p>	
<p>2.7 = To RAISE, operate the hand pump with lever until the machine frame is horizontal; check with a spirit level (as described at Point 1)</p>	
<p>2.8 = To LOWER, slowly open the shut-off valve until the machine frame is horizontal; check with a spirit level (as described at Point 1)</p> <p>Then close / turn off the hand pump shut-off valve</p>	
<p>2.9. = Close the PISTON SIDE shut-off valve</p>	

<p>2.10. = Operate the hand pump with lever until a pressure of 70 bar = suspension pressure is indicated on the pressure gauge.</p>	
<p>2.11. Close the ROD SIDE shut-off valve</p> <p> Important:</p> <p>For safety reasons, remove the ROD SIDE and PISTON SIDE levers after the work is complete</p>	
	 



**CAUTION**

Depending on the tractor type, the supplied cardan shaft should be trimmed according to the manufacturer's instructions.

Attach the cardan shaft to the splined stub at the hydraulic pump and to the tractor.



**CAUTION**

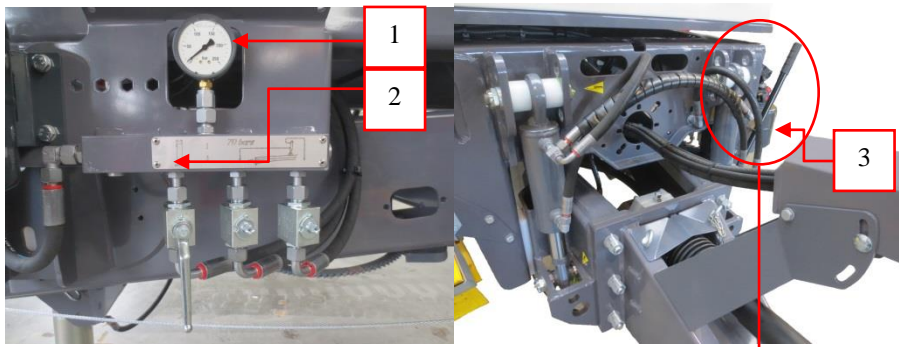
*Without safety devices, cardan shafts can cause injuries. The safety devices on the cardan shaft should not be removed. Only work with a drive system which has been fully secured. Protective tube and protective caps must be in place and undamaged at all times and must provide an overlap in all operating positions.*

1. Establish the electrical connections as described in 3.3.9:



2. Connect the brake lines.
3. Connect the breakaway cable (if present).
4. If an air brake system is installed, the compressed air tank on the spreader must be filled through the tractor vehicle.
5. Install the operator terminal in the cab; make the connections as described in 3.3.9.

6. Retract the spreader support jack hydraulically, fold up and secure it.



- 1 Pressure gauge
- 2 Support jack valve
- 3 Hand pump
- 4 Rod for manual operation of the pump
- 5 Rod seat
- 6 Drain valve
- 7 Oil filler neck

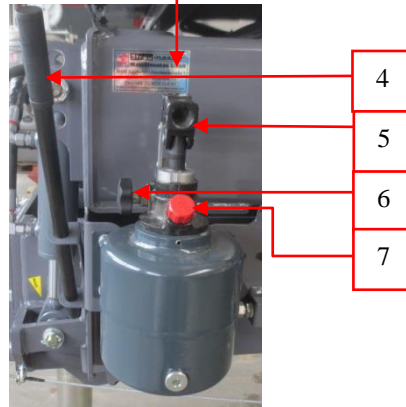


Fig. Fehler! Kein Text mit angegebener Formatvorlage im Dokument.-1 Hand pump

The support jack can be retracted and extended hydraulically. Open valve 2 and operate the hand pump to extend the support jack or open the shut-off valve to retract it.



**CAUTION**

*After adjusting, valve 2 must be closed again!*

7. Apply the wheel stop on the tractor vehicle.



**CAUTION**

*When folding the support jack up or down, keep hands away from the support jack seating and do not enter the support jack swivel range.*

8. Release the spreader wheel stop.
9. Start up the vehicle combination and test the brakes several times.



