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PRV mounting instructions for hydr. tine adjustment AS900 SCHKL/ AS1200

Please read carefully before initial operation!

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1 Items included

• 00600-3-117	T-piece L12 M18x1.5-M18x1.5-M18x1.5	1x
• 00602-2-628	Pressure gauge 0-250 bar	1x
• 00602-3-093	Screw-in fitting L12 G14 M18x1.5	1x
• 07015-2-115	PRV locking block, installed	1x
• 07015-2-116	PRV stop pin hydr. TA, installed	8x
• 07015-3-045	Bushing B-20-12.5-13, galvanised	8x
• 07015-3-046	Sheet metal profile PRV 01 RAL3020	1x
• BN161-M6	Locking nut M6	1x
• BN161-M8	Locking nut M8	2x
• BN56-M6x50	Hexagonal bolt M6x50	1x
• BN57-M8x70	Hexagonal bolt M8x70	2x
• BN715-M6	Flat washer M6	2x
• BN715-M8	Flat washer M8	2x
• BN732-M8x25	Large diameter washer M8x25	2x

2 Mounting of the pressure relief valve (PRV) on the centre frame

- 1) The base plate clamped onto the cylinder mount using 2 hexagonal bolts M8x70 incl. large diameter washers M8x25, flat washers M8 and locking nut M8 (Figure 1).

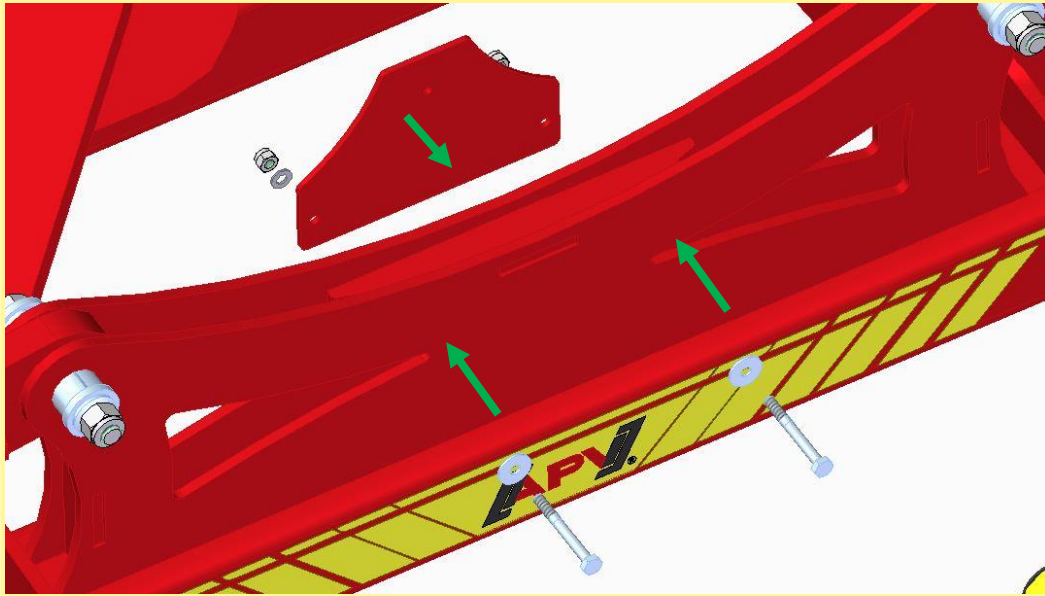


Figure 1: Installation of the base plate on the cylinder mount

- 2) Then the PRV locking block mount is installed on the base plate with 2 flat washers M6, 1 locking nut M6 and a hexagonal bolt M6x50 (Figure 2).

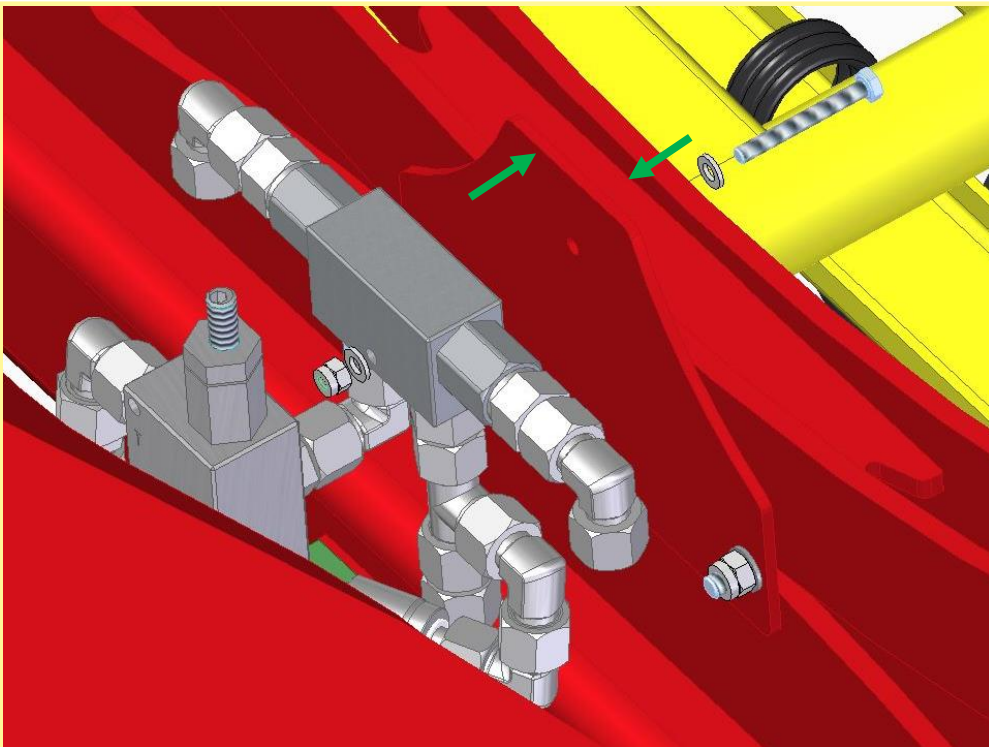


Figure 2: Installation of the PRV locking block unit

3 Connection of the hydraulic lines

Then the hydraulic lines are connected as follows (Figure 3):

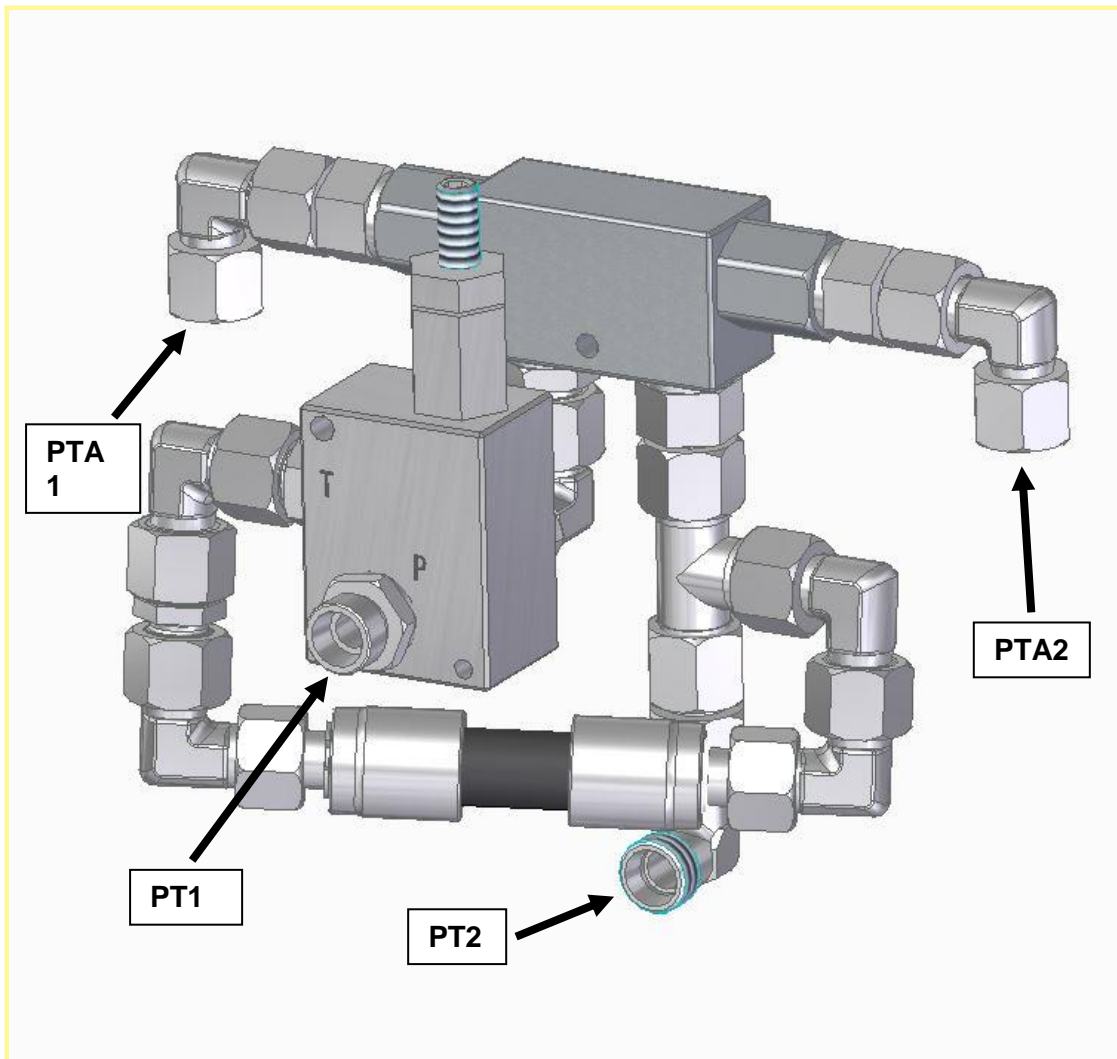


Figure 3: Overview of all connections

PT1	Tractor – pressure side (+)
PT2	Tractor – return flow side (-)
PTA1	Tine adjustment – pressure side (+)
PTA2	Tine adjustment – return flow side (-)



CAUTION!

The 4 newly connected hydraulic lines must each be tightened with a tightening torque of 40 Nm.

4 Installation of the stop pins

To move the hydraulic tine adjustment to the desired variable end position, the stop pins incl. the bushings must be installed on each tine section.

To do so, 8 pieces are required for each tine section:

- 07015-2-116 PRV stop pin hydr. TA, installed
- 07015-3-045 Bushing B-20-12.5-13, galvanised

The stop pins are positioned in the desired hole, and the bushing is threaded onto the stop pin on the other side. After positioning the stop pin, the bushing is secured with the spring cotter.

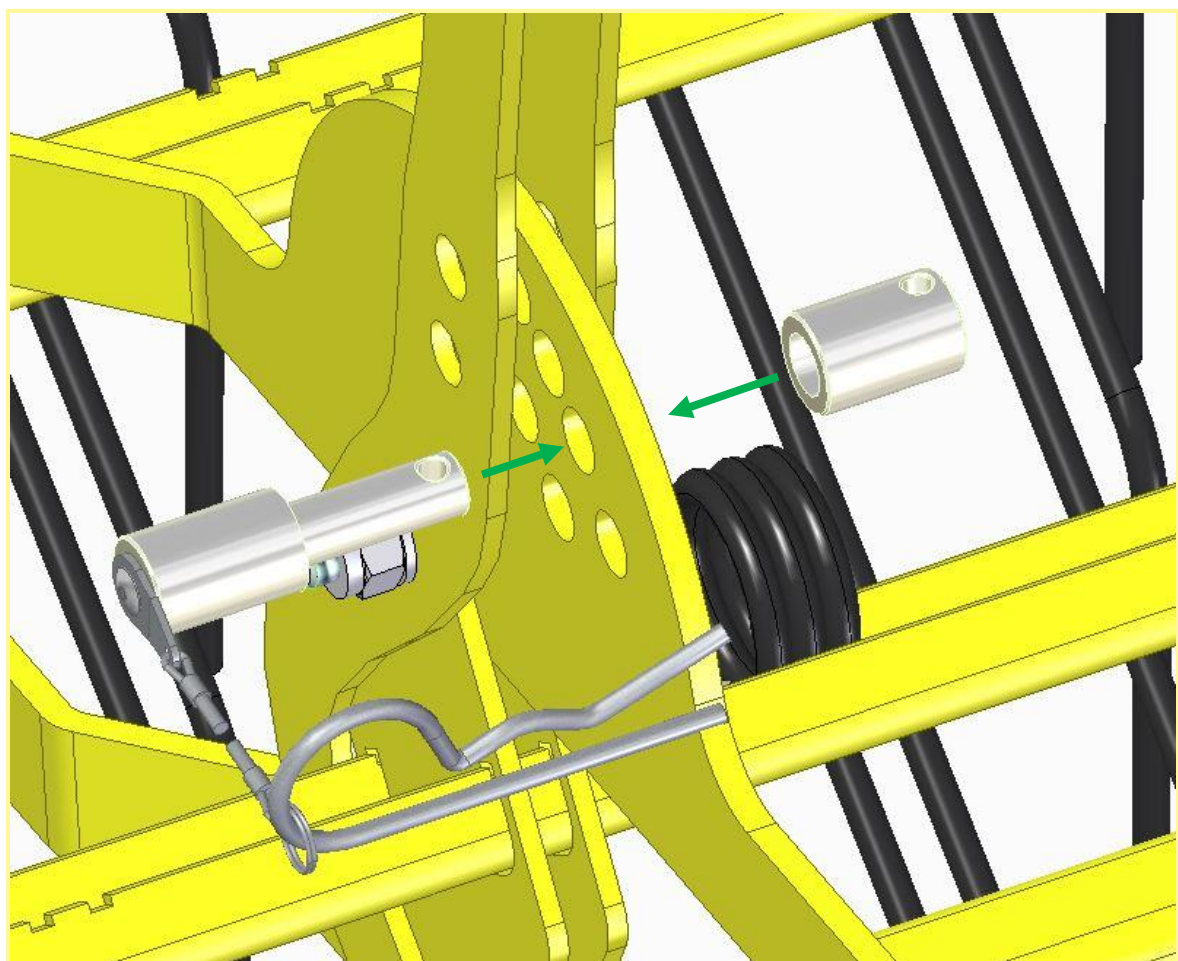
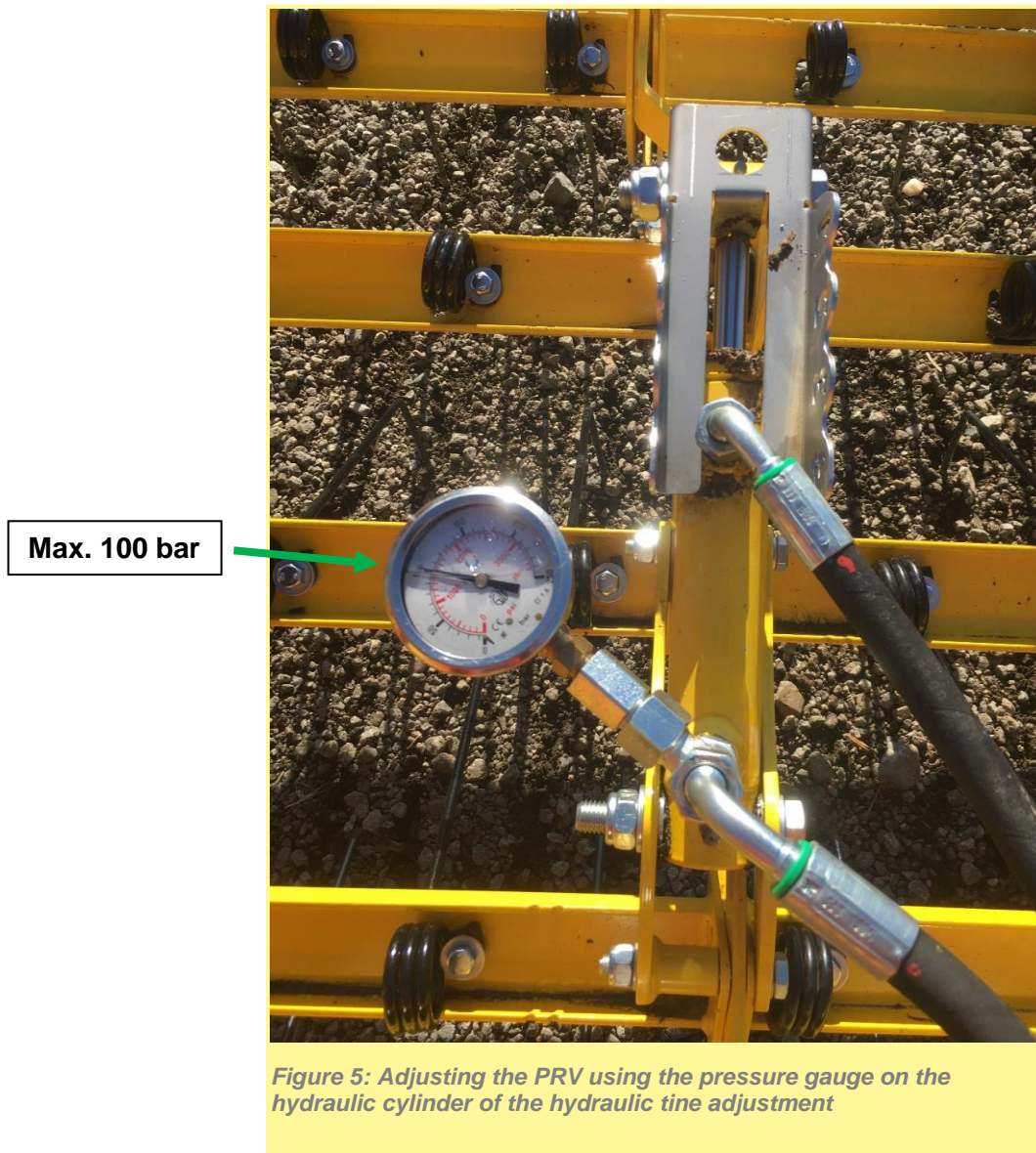


Figure 4: Installation of the stop pin

5 Adjustment of the pressure relief valve (PRV)

As soon as all of the hydraulic lines are properly connected and tightened, the adjustment of the triggering pressure of the PRV can begin.

To be able to precisely adjust the triggering pressure, the pressure gauge with the T-piece must interposed on the pressure side on the hydraulic cylinder for the hydraulic tine adjustment.



CAUTION!

Exceeding the pressure can cause consequential damage on the tine section.

- ☞ For this reason, make sure that the pressure on the pressure gauge does not exceed 100 bar (Figure 5)!



CAUTION!

Tighten the hydraulic fittings with a tightening torque of 40 Nm.

As soon as all of the connections have been tightened with the prescribed torque and the hydraulic tine adjustment is connected to the tractor, the pressure adjustment can begin. To do so, the hydraulic tine adjustment must be pressurised from the tractor. At the same time, the socket screw on the PRV (Figure 6) must be screwed in to increase the triggering pressure of the PRV. The socket screw must be screwed in until the pressure gauge on the hydraulic cylinder for the tine adjustment displays exactly 100 bar.

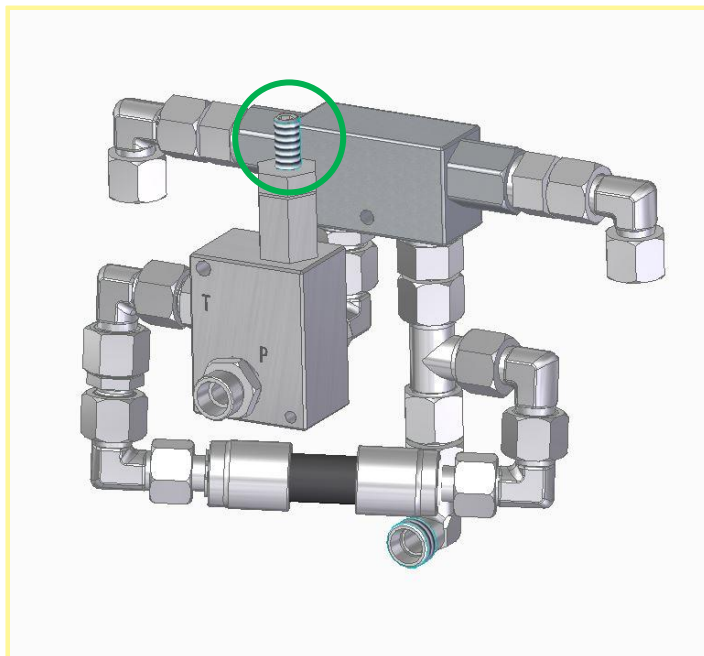


Figure 6: Socket screw – For adjusting the triggering pressure

When the setting has been reached, the socket screw is countered with the nut and thus secured against loosening.

Afterwards, the pressure gauge **can** be removed from the hydraulic cylinder for the tine adjustment.



CAUTION!

Tighten the hydraulic fittings with a tightening torque of 40 Nm.

Qualität für Profis

- seit 1997 -



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