

A35830 Smooth Drive Avant 600-700

- With this instruction you can assemble Smooth-drive system to your Avant 600-700 series loader
- You have to have boom floating with self levelling system in your loader to assemble this and if you don't have these you need to assemble them also
- You can't assemble Smooth drive to your loader if it doesn't have boom floating with self levelling kit
- This is a retrofit instruction

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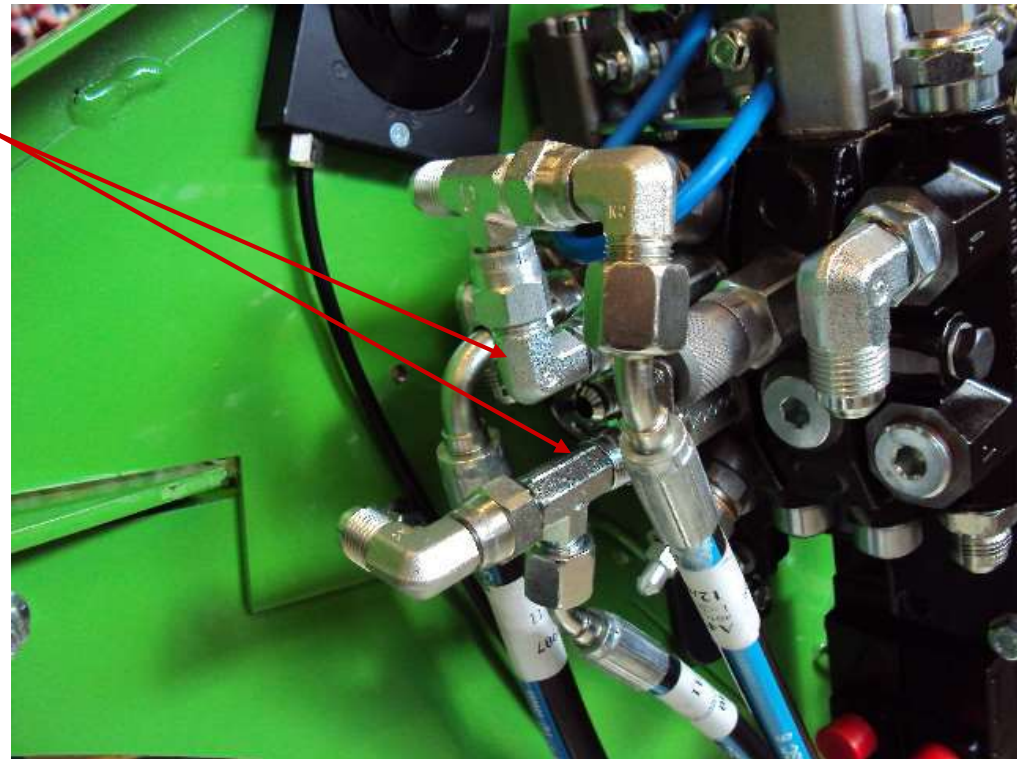
- Before assembly you need to make sure that you have all of the components listed below in your retrofit kit
 - 64040 Basic fitting
 - 65732 Pressure accumulator
 - 73122 x2 Washer M8
 - 72128 x2 Hexagonal screw M8x12
 - 64676 Solenoid valve
 - 64041 x2 Basic fitting
 - A47640 Hydraulic hose
 - 72318 x2 Hexagonal nut M6
 - 71680 x4 Washer M6
 - 64078 L-fitting
 - 64043 x2 Elbow fitting 90°
 - A47631 Hydraulic hose
 - A415963 Nipple extension
 - 74082 Grease nipple
 - 65733 Clamp
 - 71681 x6 Washer M6
 - 72125 x2 Hexagonal screw M6x60
 - A49716 Wire harness for smooth drive

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- Start the assembly by lifting the boom up and support it by service support
- When the boom is up remove loaders front covers and rightside cover
- When the covers are removed you can wash the loader so you don't contaminate the hydraulic system when the hoses are loose

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- Two hoses which are next to test fitting needs to be removed



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- To lift blocks upper fitting needs one L-fitting and elbow fitting
- To these fittings you need to attach the hose for smooth drive and the hose with yoy removed
- The hose which are going to solenoid valve can be routed same way as the hose for self levelling valve



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- The hose which is marked with red circle comes from control valve
- With this hose you can control the pressure between the accumulator and control valve



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- Accumulator attached to loader



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- Smooth drives solenoid valve and boom floating valve needs to be attached together with wire harness wich comes with the retrofit kit
- After this accumulator works when boom floating is on

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- When everything is attached you can test the system
- Turn the loader on and drive it, when there are no leaks you can attach the covers back to it