

A35884 Extra auxiliary hydraulics outlet front, double acting, Avant 500

- With this instruction you can assemble Double acting auxiliary hydraulics to a Avant 500 series loader
- This is a retrofit instruction

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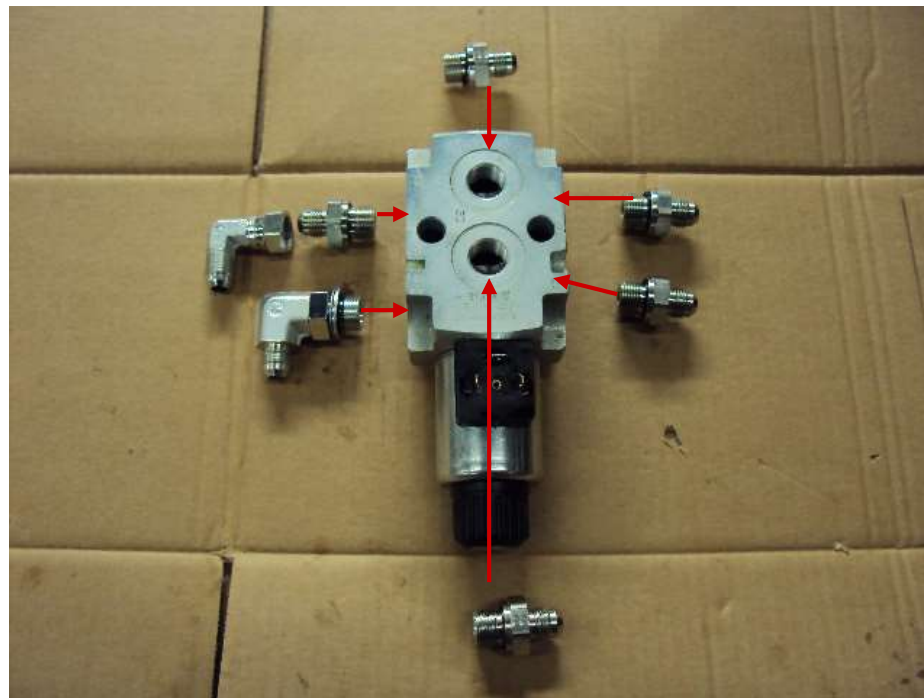
- Before assembly you need to make sure that you have all of the components listed below in your retrofit kit
 - A414870 x2 bracket for hydraulic pipe
 - A414873 x2 Hydraulic pipe
 - A414858 Bracket for quick couplings
 - 64190 Quick coupling
 - 73754 Cover black
 - 65566 Cover blue
 - A414877 x2 Hydraulic hose
 - A47638 x2 Hydraulic hose
 - 65099 Control valve
 - 64041 x2 Basic fitting
 - 64042 x4 Basic fitting
 - 64134 x2 Elbow fitting
 - 65276 Switch
 - 71681 x2 Washer M6
 - 72318 x2 Hexagonal nut M6
 - 74768 x2 Washer M6
 - 74861 x2 Philips screw
 - 74438 x8 Hexagonal screw M6x40
 - A47730 x2 Hydraulic hose
 - A49452 Wire harness

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- Assembly starts by removing loaders right side cover and hydraulic hose cover spirals
- After removing the covers and spirals you can lift the boom in horizontal position to make the assembly as easy as possible.
- When you have removed the covers you need to wash the control valve so you don't contaminate the hydraulic system

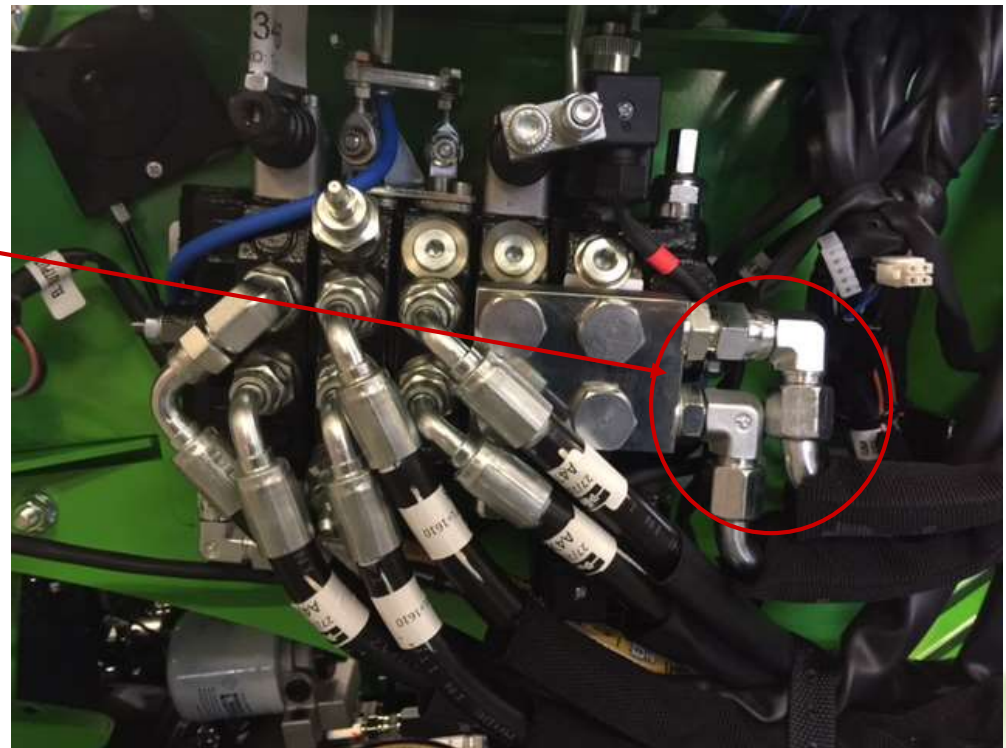
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- With the valve on the picture you can decide are you going to use faster multiconnector or the double acting extra hydraulic outlet
- Attach the fittings to valve as on the picture



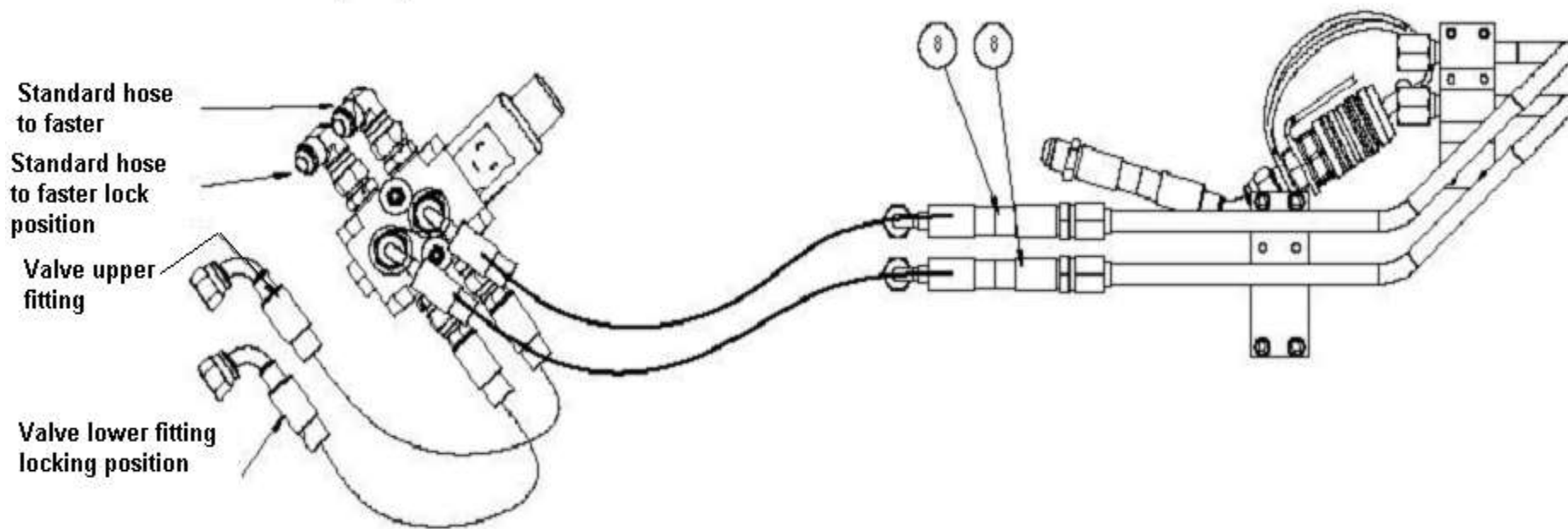
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- Remove the hoses on the control valve going to the hydraulic outlet multiconnector
- Loosen these hoses on the boom side also to avoid twist when connecting to the new valve.



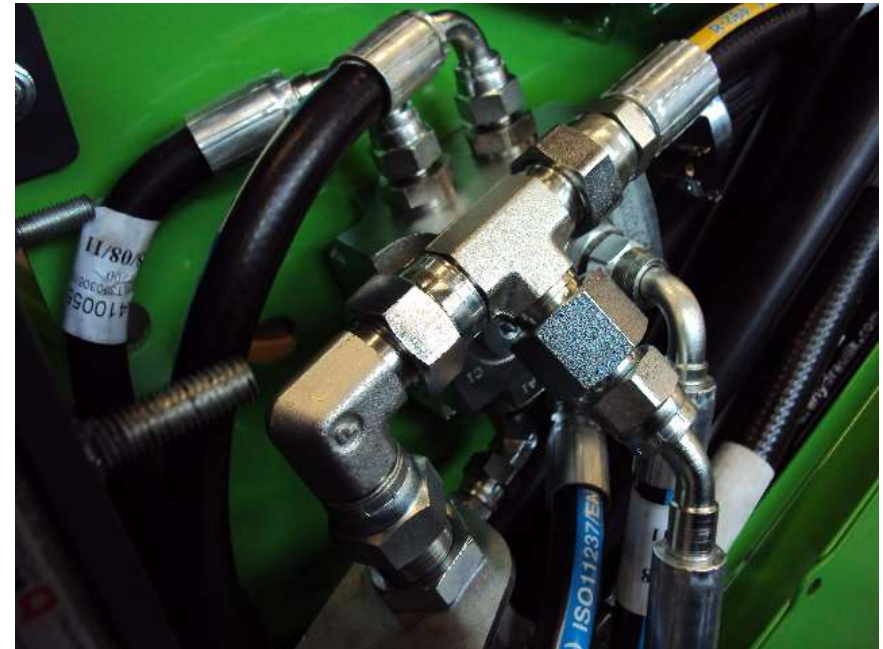
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- The picture below shows a 3D-model of double acting front extra auxiliary hydraulics
- From the picture you can see how the hoses attach to solenoid valve
- The hoses goes to the multi connector same route as the other hoses



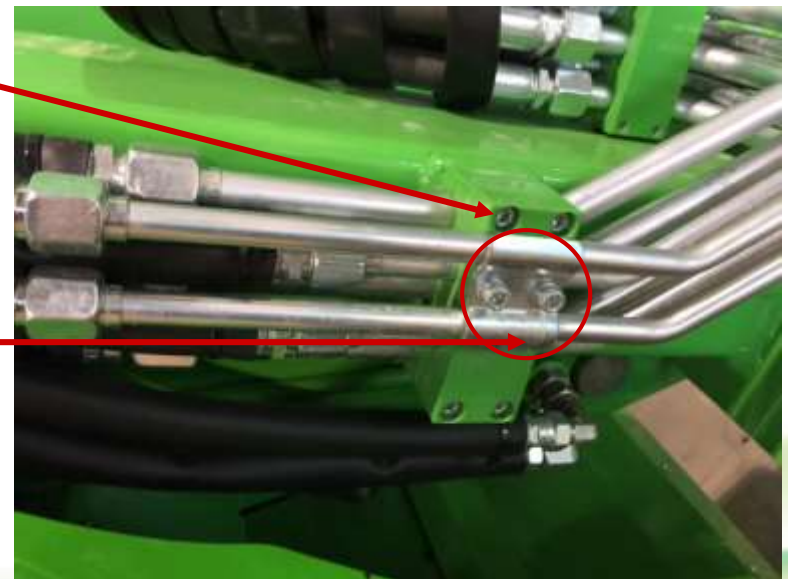
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- In the picture you can see how the valve for auxiliary hydraulic control is placed in loaders front frame



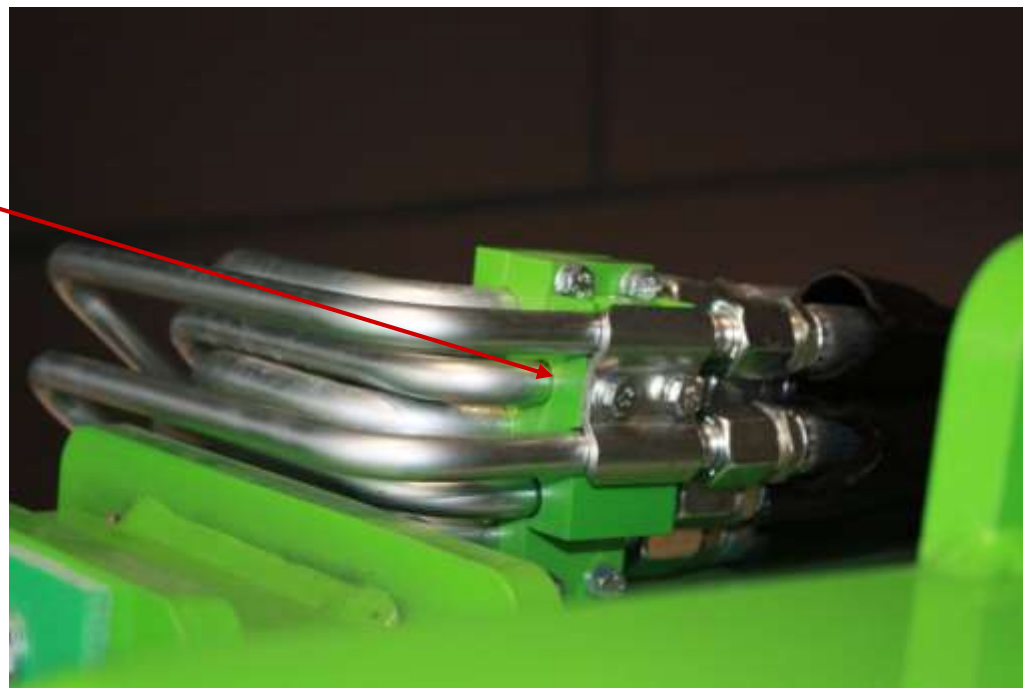
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- You need to attach 2 new hydraulic pipes to the boom for the auxiliary hydraulics
- With the retrofit kit comes two new brackets for hydraulic pipes, they will be attached on top of the old ones
- The new pipes will be attached to the boom with the old brackets wich you have to remove before assembling new hydraulic pipes



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- New hydraulic pipes will be attached from 2 points to the boom
- The bracket on the picture is located in outer booms top end
- Here the bracket will be replaced by a new one and the old bracket needs to be attached when the new pipes needs to be attached



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- Two acting hydraulic auxiliary quick couplings will be attached under the Faster multiconnector
- Bracket for the couplings needs to be attached under the multiconnector



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- The hoses p/n A414877 coming from the quick couplings needs to be attached from both ends and then tightened to others with zip ties
- When the hoses are tightened to others you can put the cover spiral back and remove the zip ties when putting the spiral back
- The red line shows where the hoses go



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- The spiral on the picture needs to be removed and after it the hoses p/n A47638 will be attached to the pipes wich we installed afterwards
- When the hoses are connected you can route them to te select valve
- When the hoses are tightened you can put the spiral back
- To help putting the spiral back you can tighten the hoses with zip ties and remove them when putting the spiral back



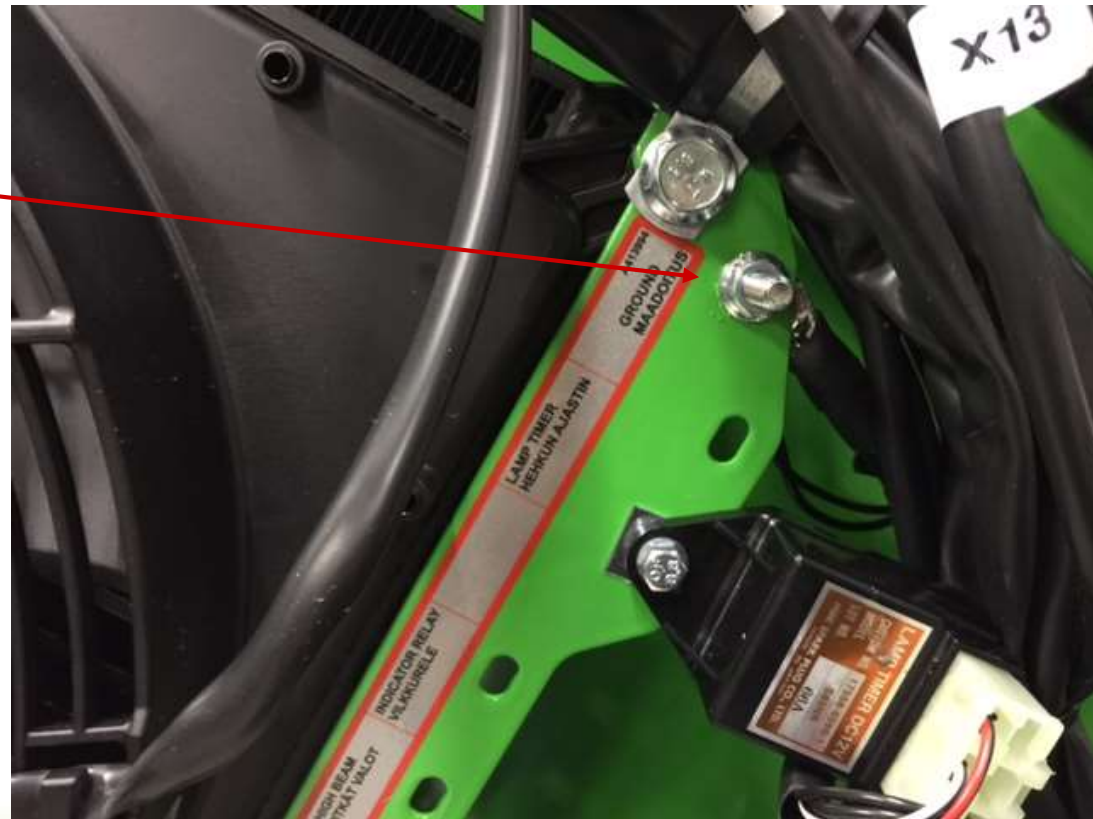
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- Select valve has connection to wire harness and the wire harness needs to be attached to it



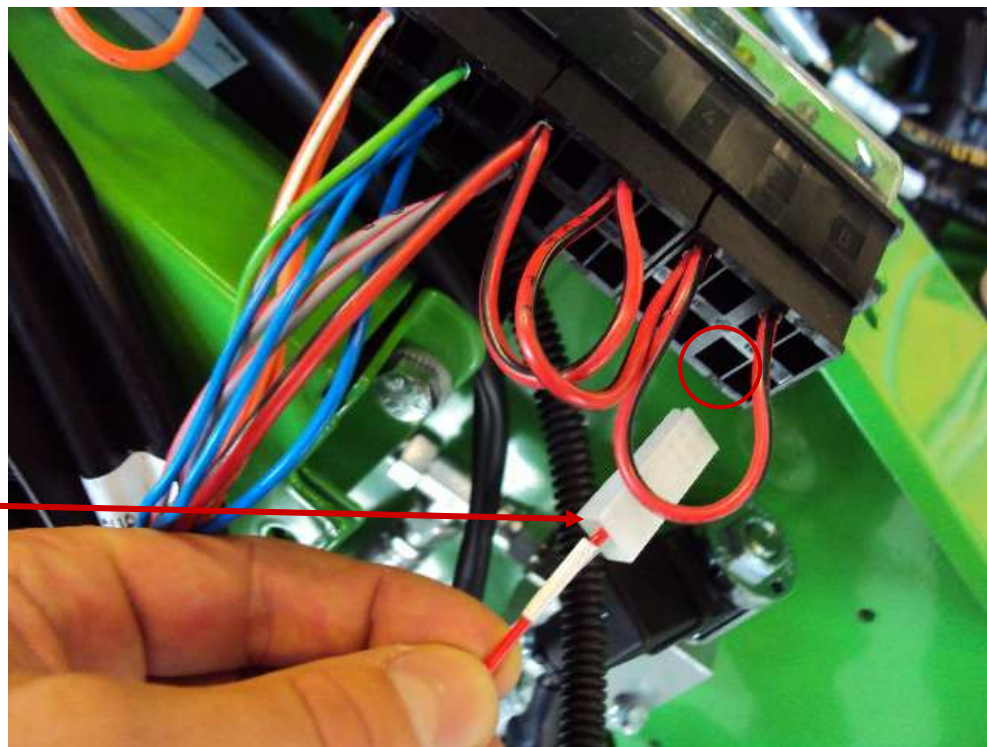
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- You need to assemble the wire harness grounding wire to the loaders grounding point



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- Wire harness fuse wire will be attached to fuse box
- Fuse is 25A fuse
- If the wire harness fuse wire connector has plastic cover, it needs to be removed
- The wire will be attached to the slot showing on the picture



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- From the photos you can see how the switch will be attached to the panel
- You need to remove the precut piece by twisting it with pliers
- Switch will be pushed on its place



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- When everything is attached, hoses are tightened and wires are connected you can test the auxiliary hydraulics
- It's important to do the test drive now so you can see if any of the fittings has been left untightened and the tightning is easier
- If everything works as it should you can attach the covers back