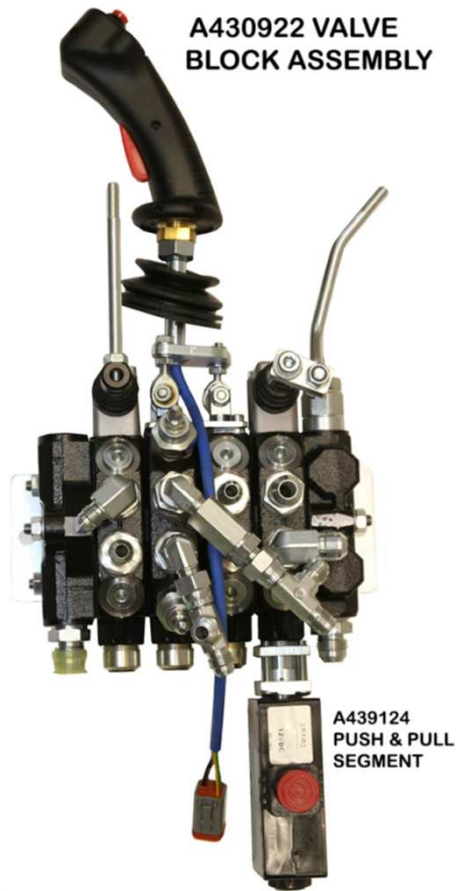


A443234 6-function Joy-Stick, Avant 400-500



- This is a retrofit instruction.
- With this instruction you can assemble the 6-function joy-stick to your Avant 400 - 500 series loader.



A443234 6-function Joy-Stick, Avant 400-500

- Begin the te retrofit job by removing the cover plate from the right side of the loader and the cover of the control panel, around the joy stick.
- After removing covers you can lower the boom of the loader.
- Before removing any hoses or loosening any fittings you should first clean up the control valve. This way you don't accidentally contaminate the hydraulic system of the loader.

A443234 6-function Joy-Stick, Avant 400-500

PARTS LIST FOR THE 6-FUNCTION JOY-STICK

A439124 Valve block

A424994 If the main electrical harness is A21719 installed after s/n XXXXX1922

If there is the latest wire harness p/n A21719 with the united oil-, and water temperature gauge in the instrument panel, the adapter cable A424994 must be used.

THESE TWO BELONG TOGETHER

A33332 If the main electrical harness is A21410, installed before s/n XXXXX1921

A438283 Adapter wire harness

THESE ARE ALTERNATIVE OPTIONS

A424241 Joy-stick handle, without anti-slip option

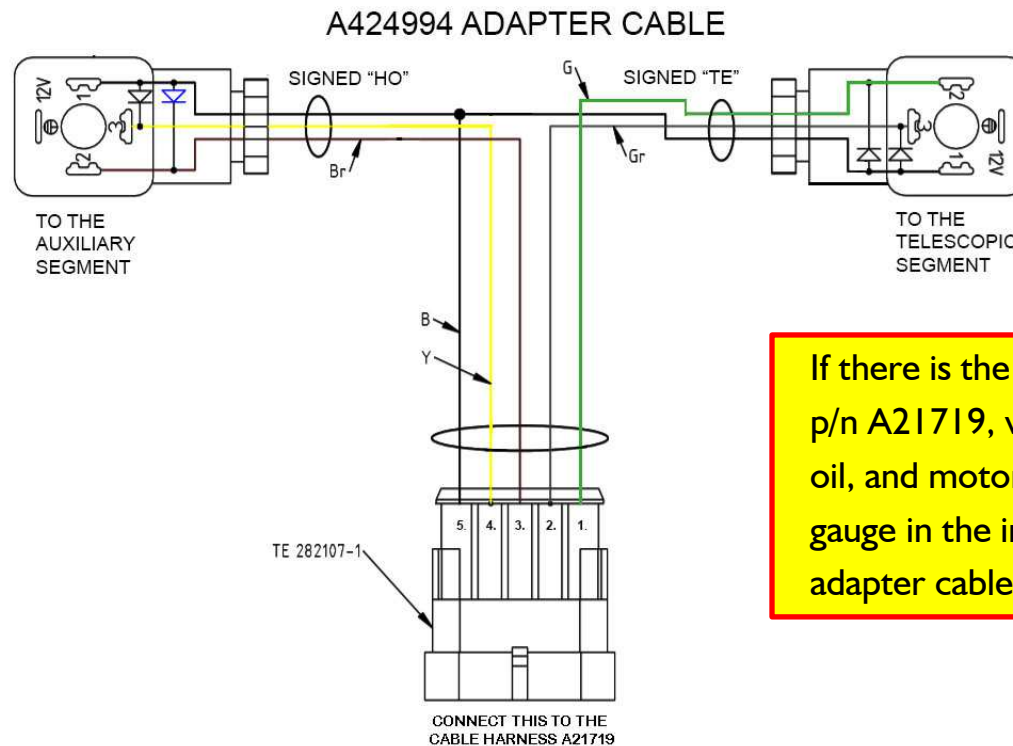
A423576 Joy-stick handle, with anti-slip option

THESE ARE ALTERNATIVE OPTIONS

A433448 Adapter plate from 1/2019

A435672 Adapter plate Before 1/2019

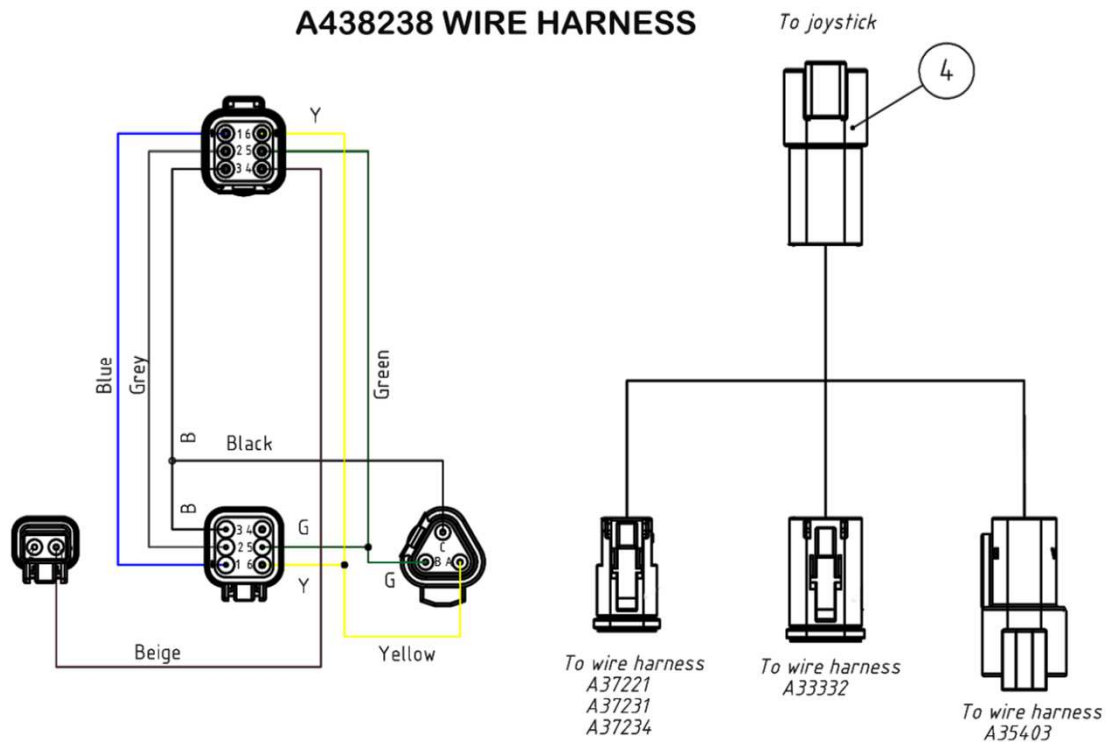
A443234 6-function Joy-Stick, Avant 400-500



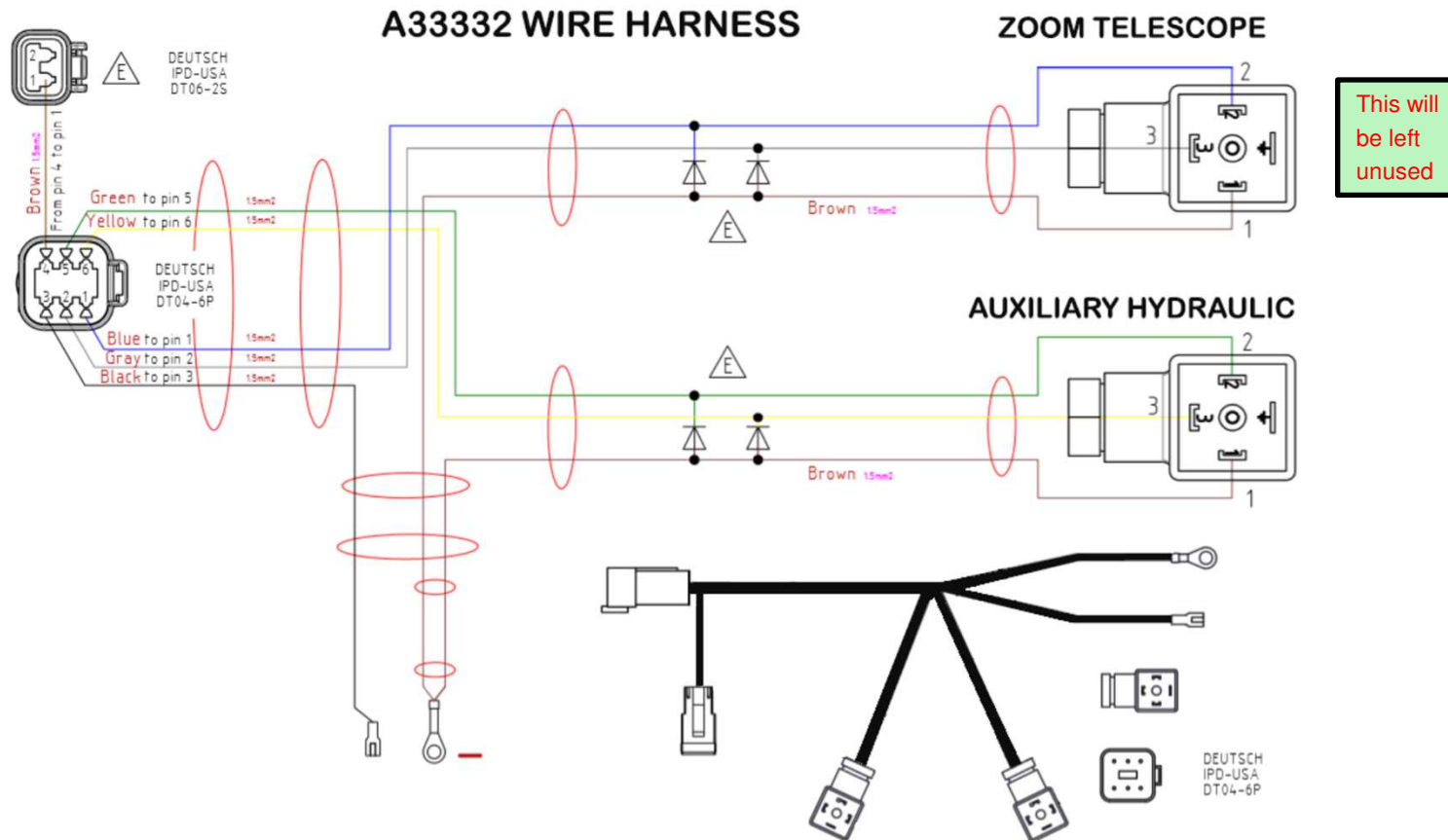
If there is the latest wire harness p/n A21719, with the united hydraulic oil, and motor coolant temperature gauge in the instrument panel, the adapter cable A424994 must be used.

A443234 6-function Joy-Stick, Avant 400-500

A438238 WIRE HARNESS



A443234 6-function Joy-Stick, Avant 400-500



A443234 6-function Joy-Stick, Avant 400-500

- Before removing any hoses, mark them up well, so you don't accidentally mix them up.
- The valve-block can be removed by just removing two fastening screws.
- In the photos below, you can see the manually operated-, and the 6-function valve- block, side by side.



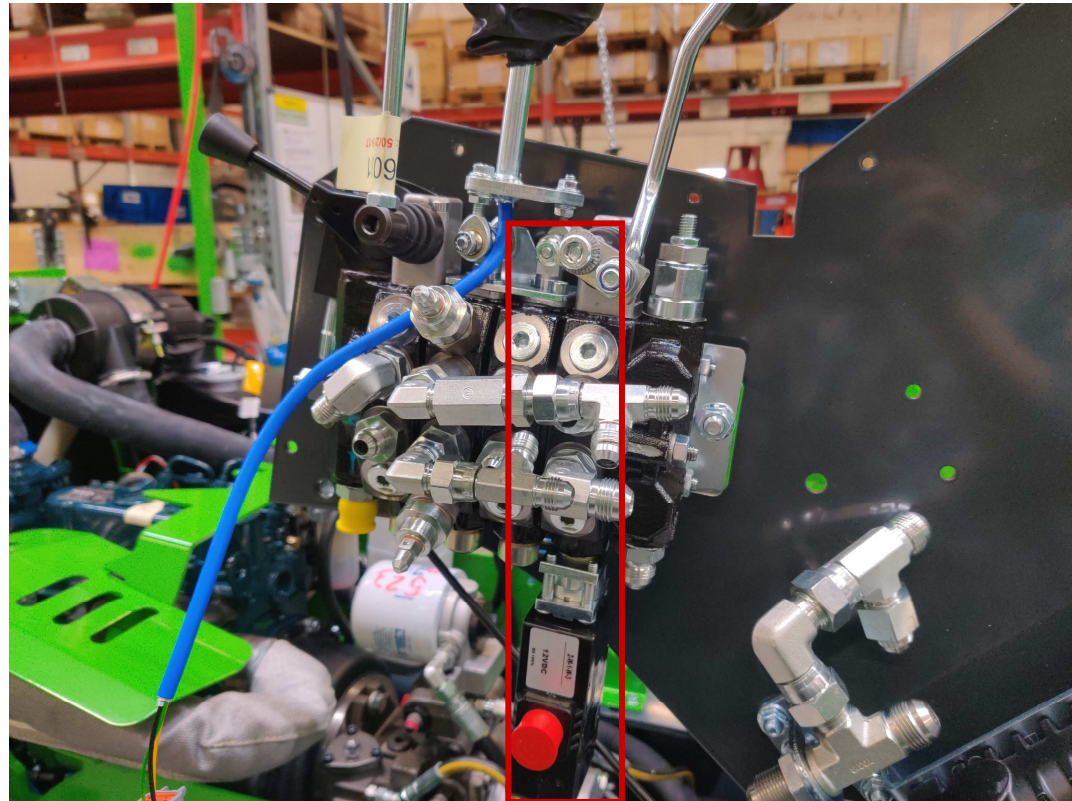
A443234 6-function Joy-Stick, Avant 400-500

- In the picture you can see the original manually operated boom control valve.
- Remove and replace the segment of the directional control valve, signed by the red colour lining.
- With this retrofit kit you receive a new valve segment assembly, for the 6-function joy-stick.



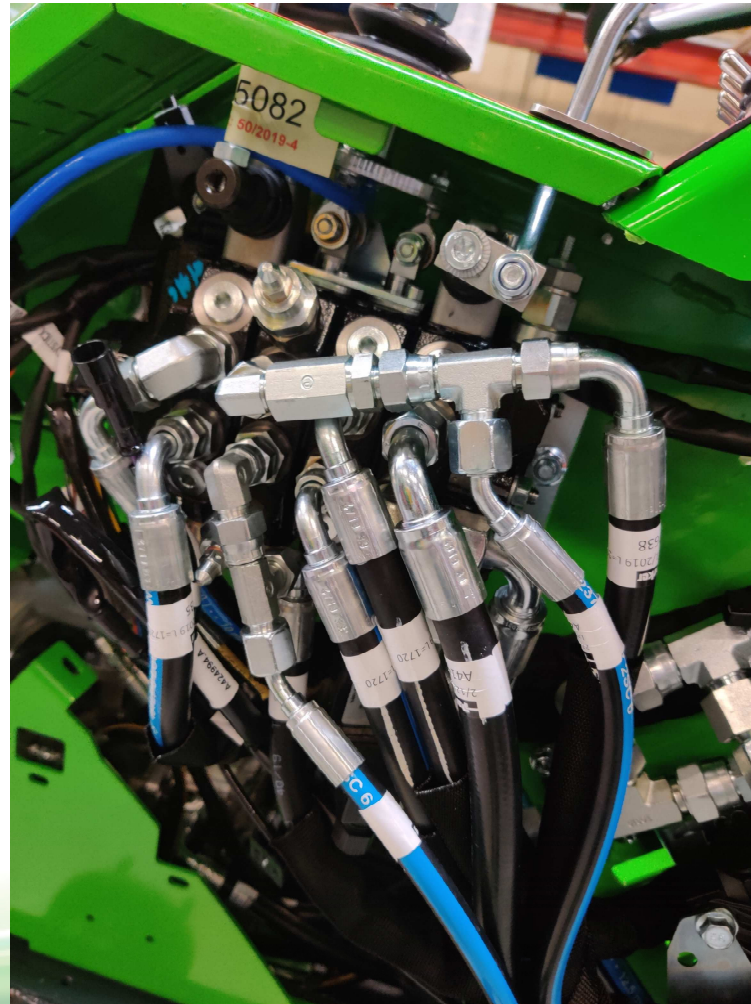
A443234 6-function Joy-Stick, Avant 400-500

- New block installed to the control valve
- With this retrofit block you will have the 6-function joy-stick on your loader



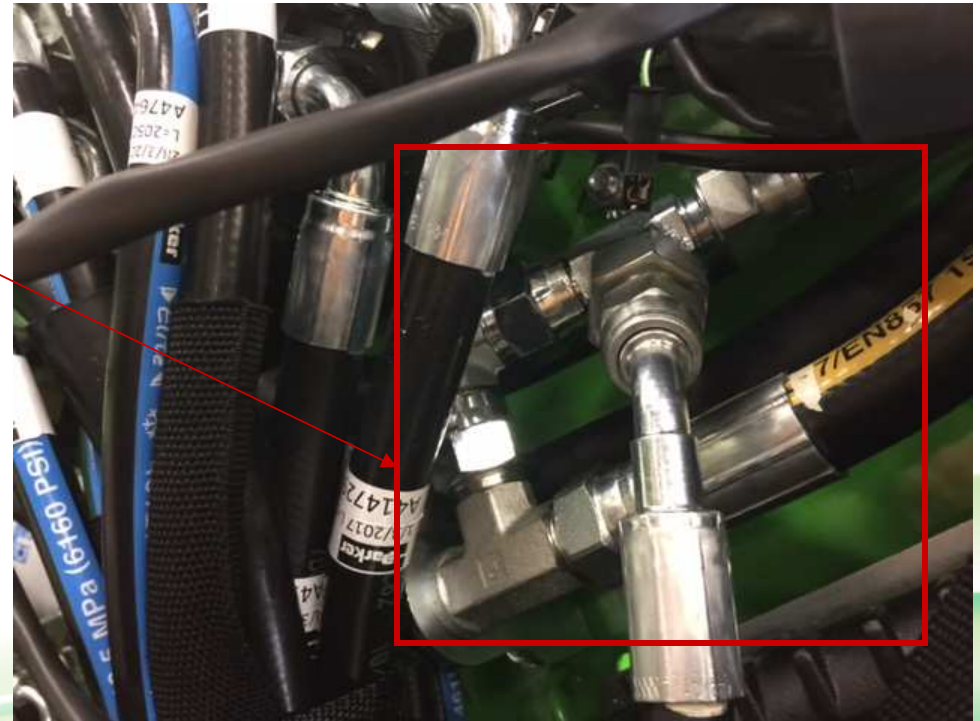
A443234 6-function Joy-Stick, Avant 400-500

- In the picture you can see how the hoses have been connected to the boom directional control valve of the loader.
- After assembly you can control the auxiliary hydraulics with the red and the blue button of the joy-stick.
- The hydraulic hoses has been run same way as they were before the modification.



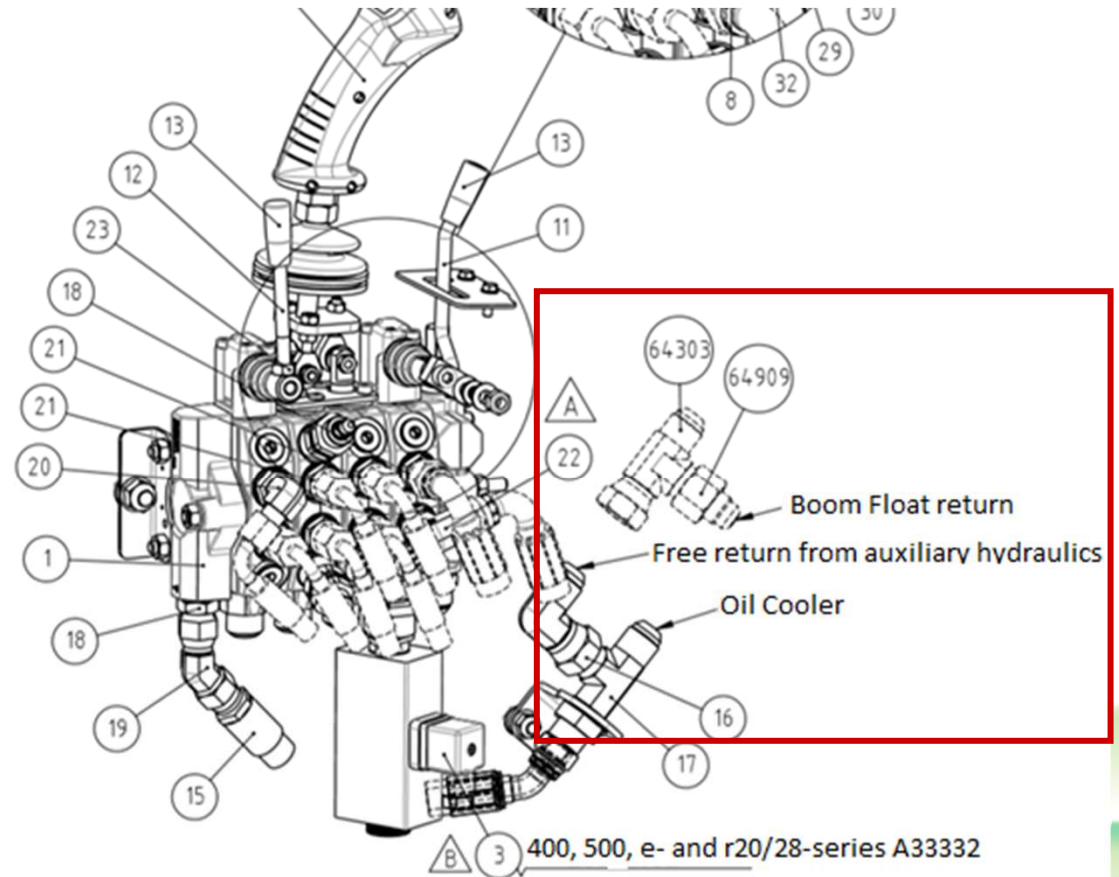
A443234 6-function Joy-Stick, Avant 400-500

- When the control valve has been changed you need to attach the fittings shown on the picture, to make the hydraulic oil flow run, as it should.
- T-fitting seen on the picture, will be attached to loaders frame and the old return line will be connected to it.



A443234 6-function Joy-Stick, Avant 400-500

- 3D-model shows how the return line connects to the fitting shown at the previous page.
- The red lined box gives information of which lines connects to the T-fitting
- You can also see how the hydraulic tank return line has been connected to the T-fitting



A443234 6-function Joy-Stick, Avant 400-500

- Control valve has got it's own adapter wire harness, which will be attached to the wire harness of the joy-stick
- The 12V feed cable of the cable harness should be connected to the lowest fuse of the upper fuse box.
- In the front frame of Avant loader, the electrical grounding point is situated at the right top side of the oil cooler.



A443234 6-function Joy-Stick, Avant 400-500

- When the valve segment has been replaced and all the loose hoses have been returned to the directional control valve block, you can test the hydraulic operation of the new assembly.
- If there appears any oil leaks, it's a lot easier to notice them, before the covers have not been fitted.
- If everything is ok and works normally, and no oil leaks can be found, you can fit back the removed covers.

A443234 6-function Joy-Stick, Avant 400-500

A35403 WIRE HARNESS

Only to be used with A35754 assembly

