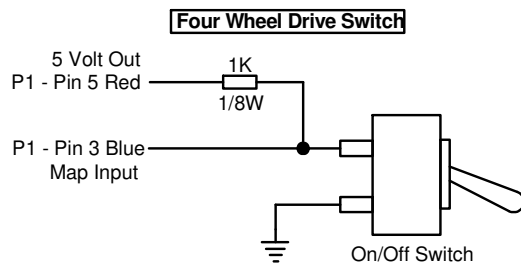


## Subaru 4EAT Special instructions.

The Subaru 4 speed transmission also has an all-wheel drive solenoid. This is a duty controlled solenoid that will transfer drive from the front wheels to all four wheels in different power ratios. It will only be in front wheel drive when on and then in 4x4 when it is off. To give control to the driver we gave him 2 options. He can add a switch on the dashboard and control it manually. Or there is a TPS graph where you can plot 4-wheel ratio for different load settings

Manual Mode.

You may wire a switch and resistor on to the dash board. See the sketch below:



For this setup you need to put the switch on in the software on the negative edge.



☒ 4 Wheel Drive [Negative]

If you tap into the existing wires and the signal may be inverted, then use the positive edge.



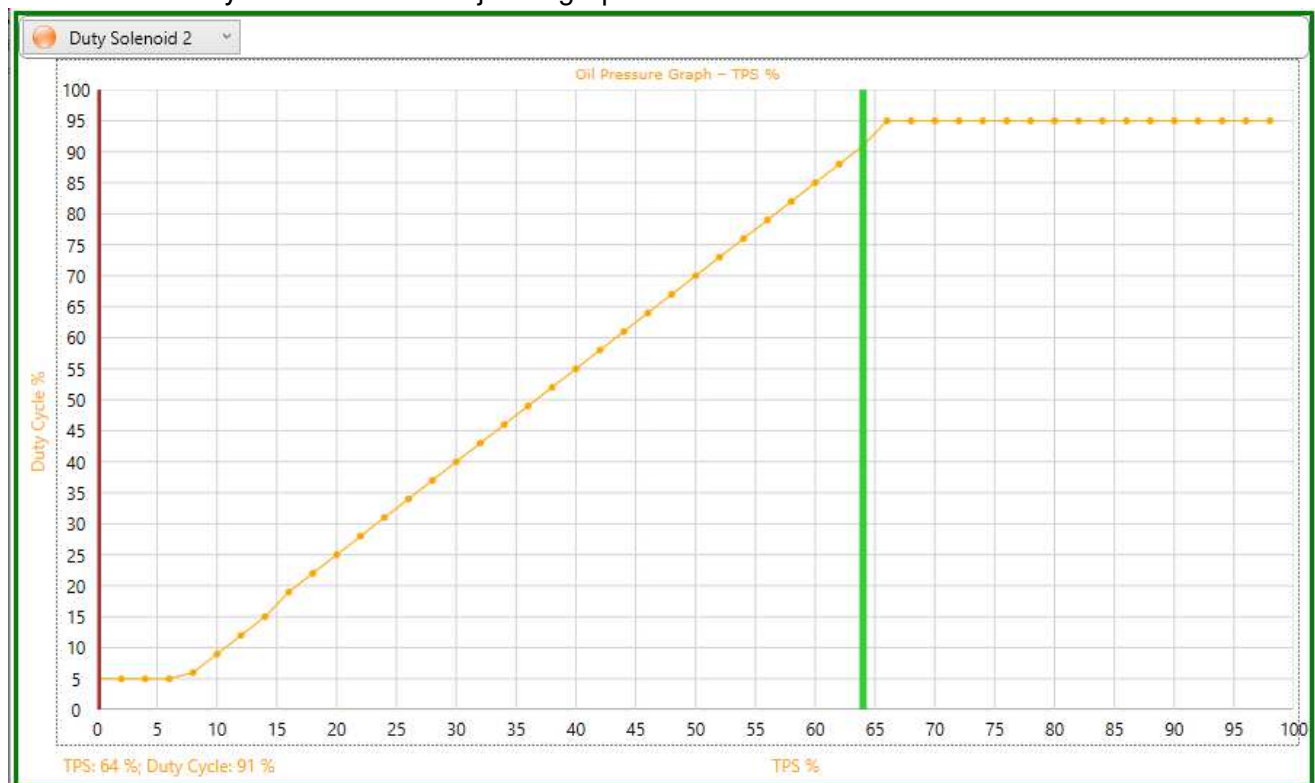
☒ 4 Wheel Drive [Positive]

Automatic Mode

For this setup you need to put the switch off.

☐ 4 Wheel Drive

Then on the Duty Solenoid No 2 adjust a graph that looks like below.



At Low duty cycle the solenoid will be on and front wheel drive will work. As the pedal is pressed deeper then mode drive will be transferred to the back wheels engaging 4x4. At maximum duty cycle the four-wheel drive lock will be fully engaged.