

# TRACTION CONTROL

The TCS is an active vehicle safety feature that is standard in modern automobiles. Being a secondary function of a vehicle's electronic stability control (ESC)\*, the onboard system kicks in when the acceleration picks up. It prevents the tires from slipping when the Vehicle speeds up.

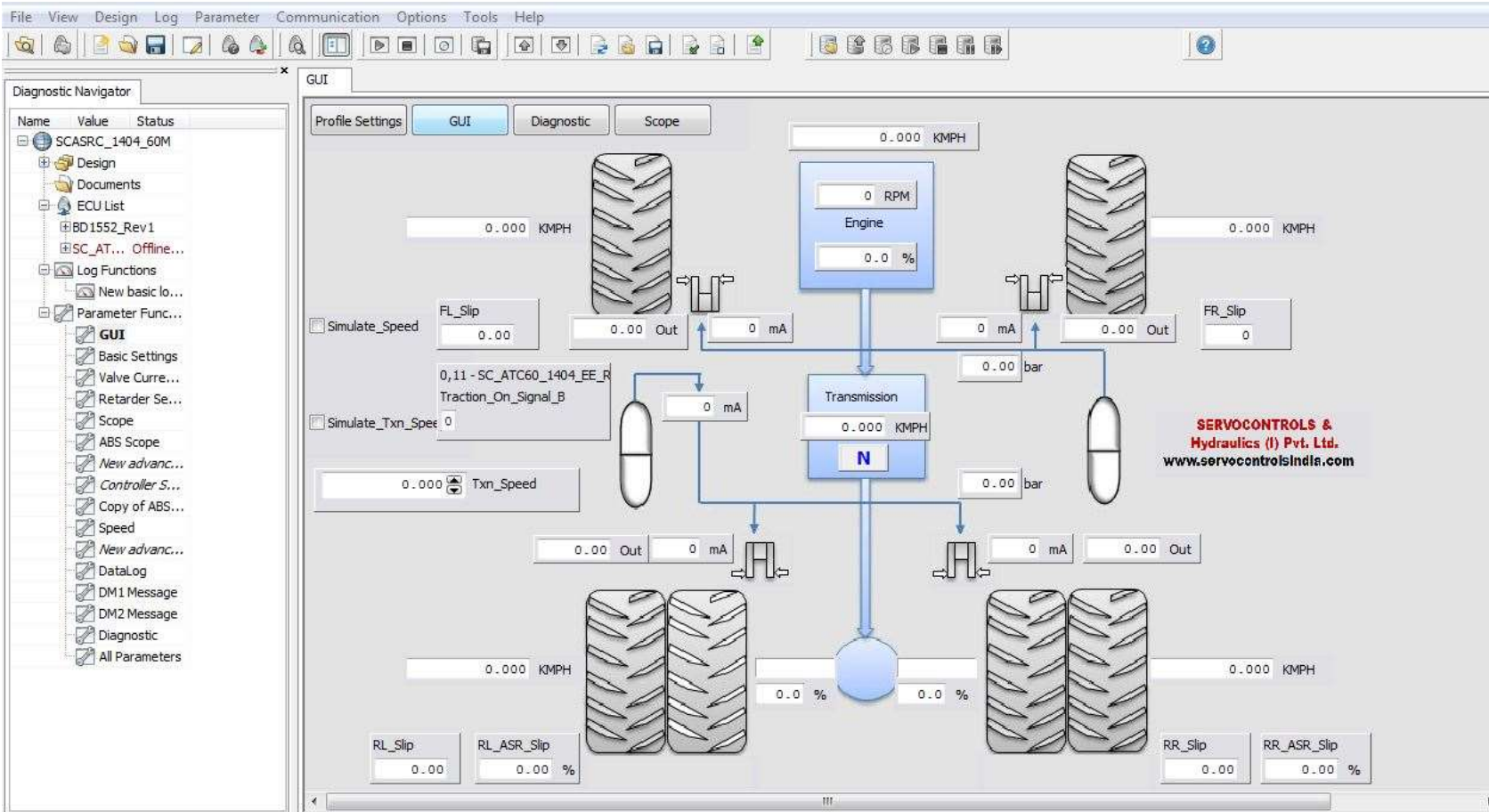
Traction control comes handy in bad weather conditions involving rain, ice, or snow and on slippery surfaces that offer little to no grip. Drivers have to feather the gas pedal in old Vehicles with no TCS system to prevent the wheels from wild spinning on tricky roads. It allows them to build up speed without losing grip. But, the modern vehicles equipped with this technology allow drivers to accelerate under control by limiting power delivery to end wheel slip.

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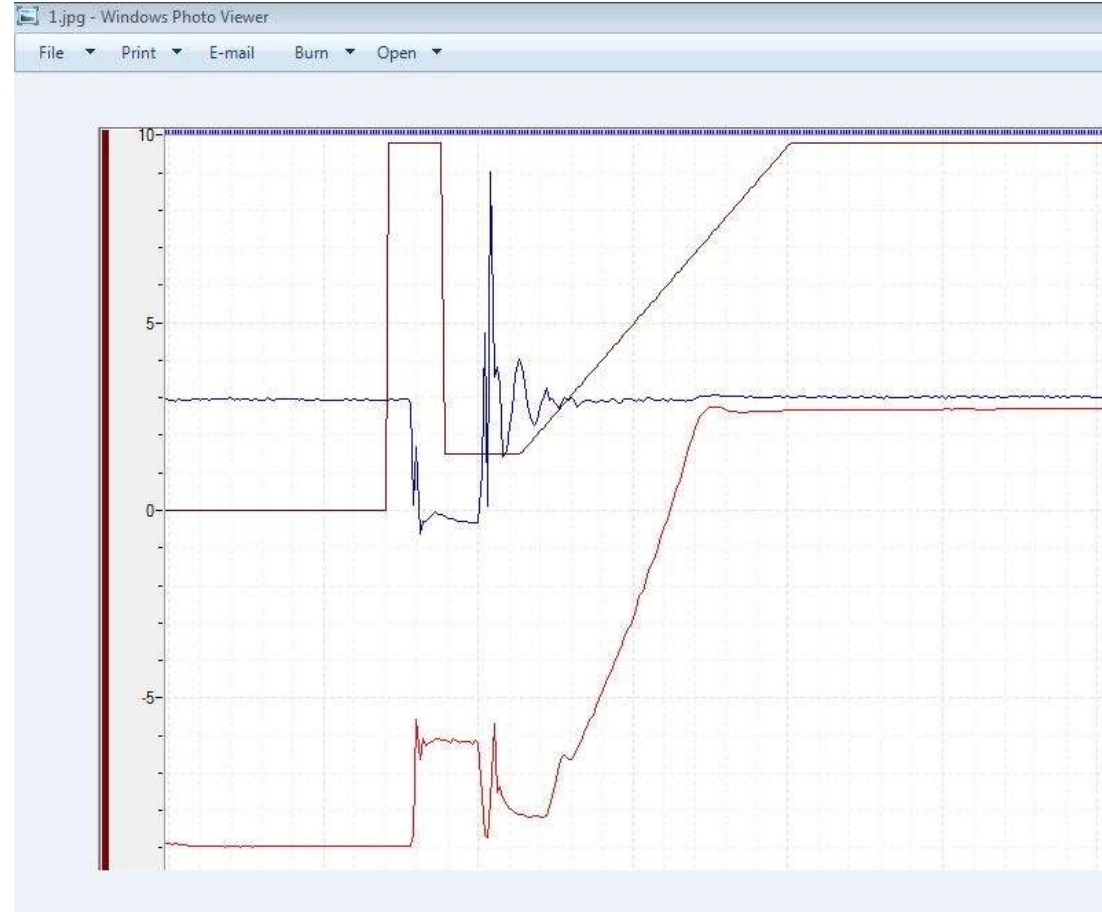
- Working Principal

- The Vehicle sensors measure differences in rotational speed to determine if the wheels that are receiving power have lost traction. When the traction-control system determines that one wheel is spinning more quickly than the others, it automatically "pumps" the brake to that wheel to reduce its speed and lessen wheel slip.

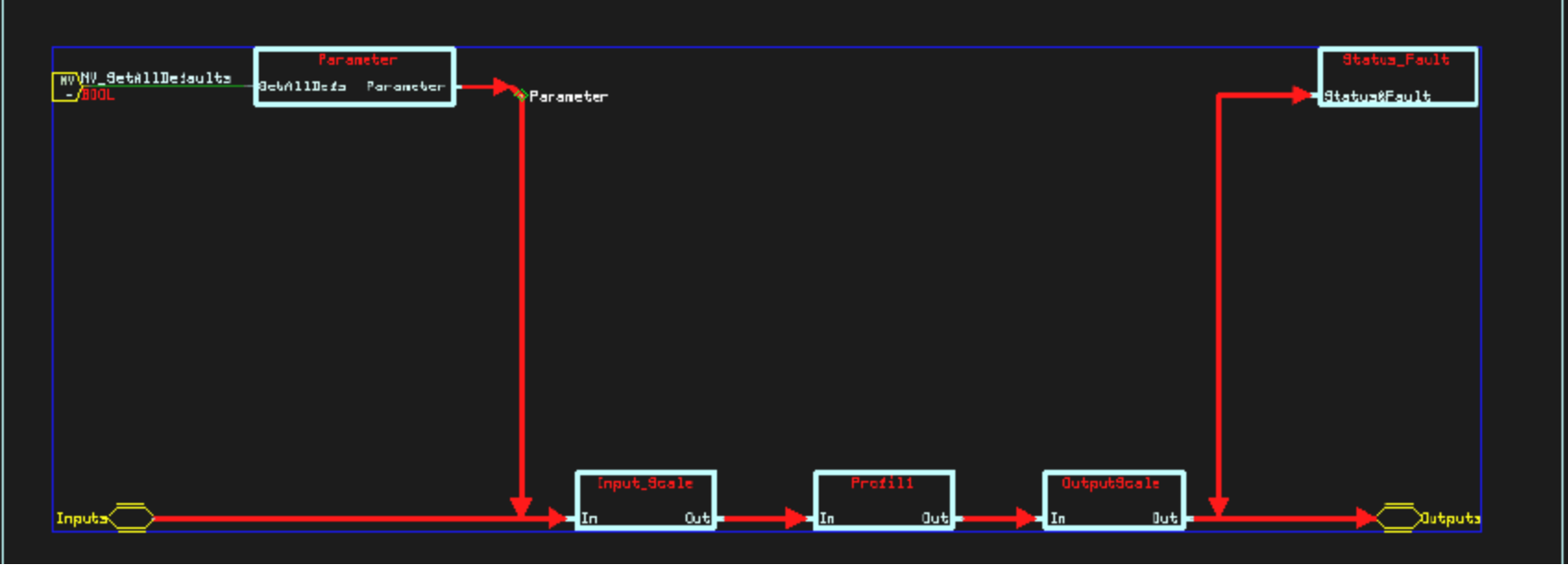
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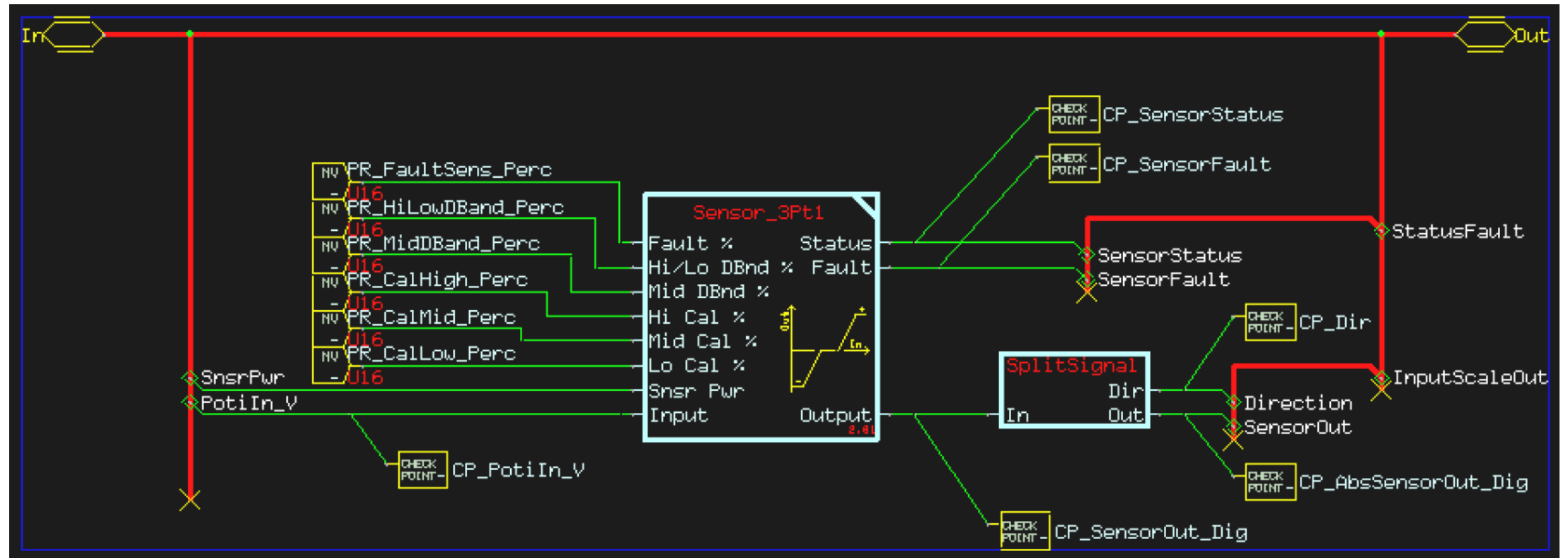
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# PROGRAMING



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