**annex** safety {\*\*

**fault** SensorPedalPosition\_ErroneousData

"Inverted boolean fault" **:** faults.inverted\_fail **{**

**inputs:** val\_in **<-** elec\_pedal\_position**;**

**outputs:** elec\_pedal\_position **<-** val\_out**;**

**probability:** 5.0E-6 **;**

**duration: permanent;**

**}**

};

**lemma** "(S18-WBS-0325) Never inadvertent braking of wheel 1" :

**true** -> (POWER

**and** HYD\_PPRESSURE\_MAX

**and (not** mechanical\_pedal\_pos\_L)

**and** SPEED

**and** W1ROLL)

=> (wheel\_braking\_force1 <= 0);