

Inputs				Output	
$K$ (Key)	$D$ (Door)	$S$ (Seat)	$B$ (Belt)	$A$ (Alarm)	Condition
<i>Condition 1: Key in, Door open</i>					
1	0	0	0	1	$K \cdot D'$
1	0	1	0	1	$K \cdot D'$
1	0	0	1	1	$K \cdot D'$
1	0	1	1	1	$K \cdot D'$
<i>Condition 2: Door closed, Key in, Driver seated, Belt open</i>					
1	1	1	0	1	$D \cdot K \cdot S \cdot B'$