**Start
ECU1**

Scheduler

Task 1

Start Task()

Block Task()

Read
Door Sensor → Send On
CAN BUS → Delay(10mS)

Task 2

Start Task()

Block Task()

Read
Light Switch → Send On
CAN BUS → Delay(20mS)

Task 3

Start Task()

Block Task()

Read
Speed Sensor → Send On
CAN BUS → Delay(5mS)

Idle Task

**SHUT
DOWN**