*State Machine Diagrams for Each ECU*

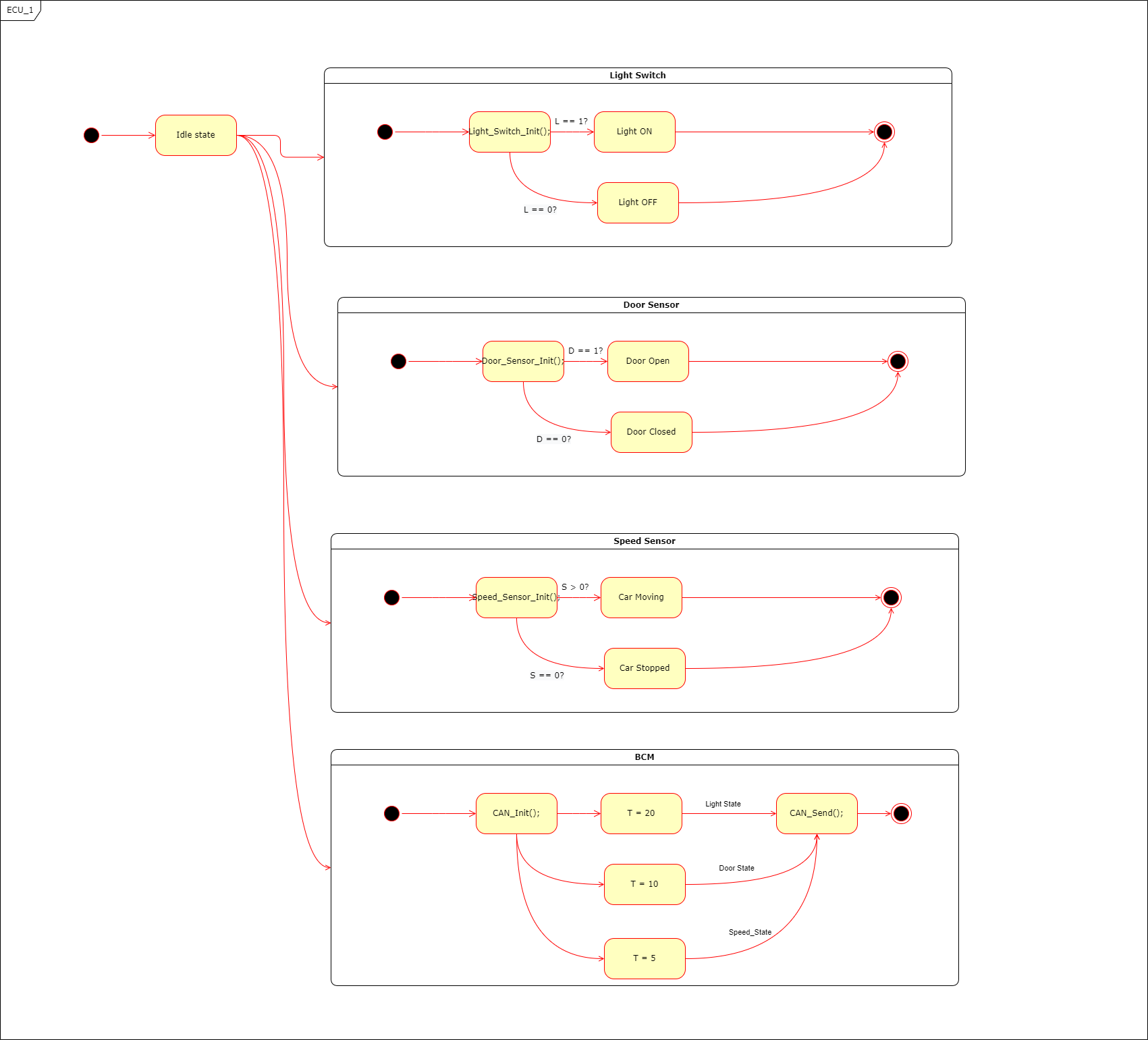


Figure (1) ECU\_1 State machine (separated Components)

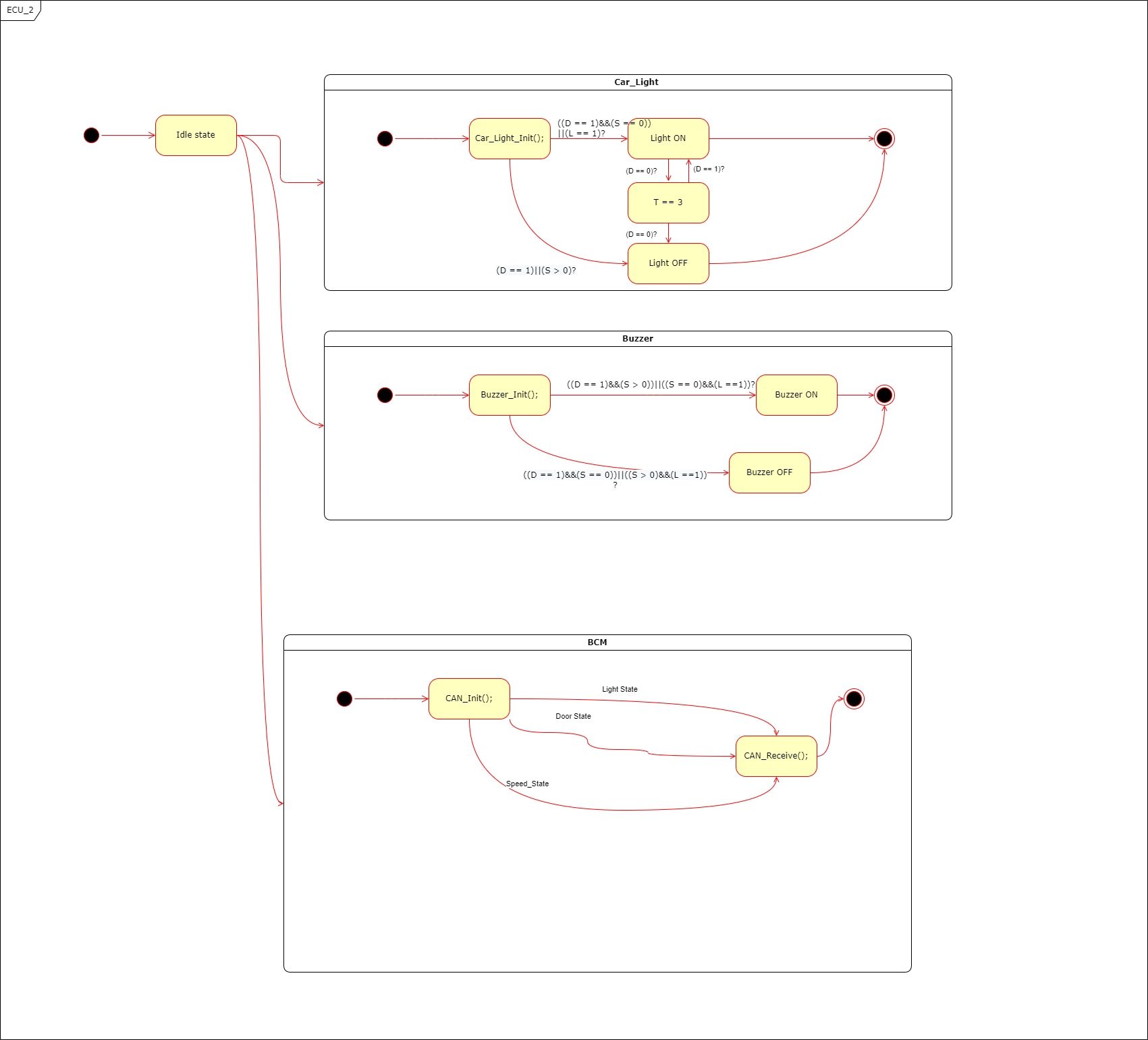


Figure (2) ECU\_2 State machine (separated Components)

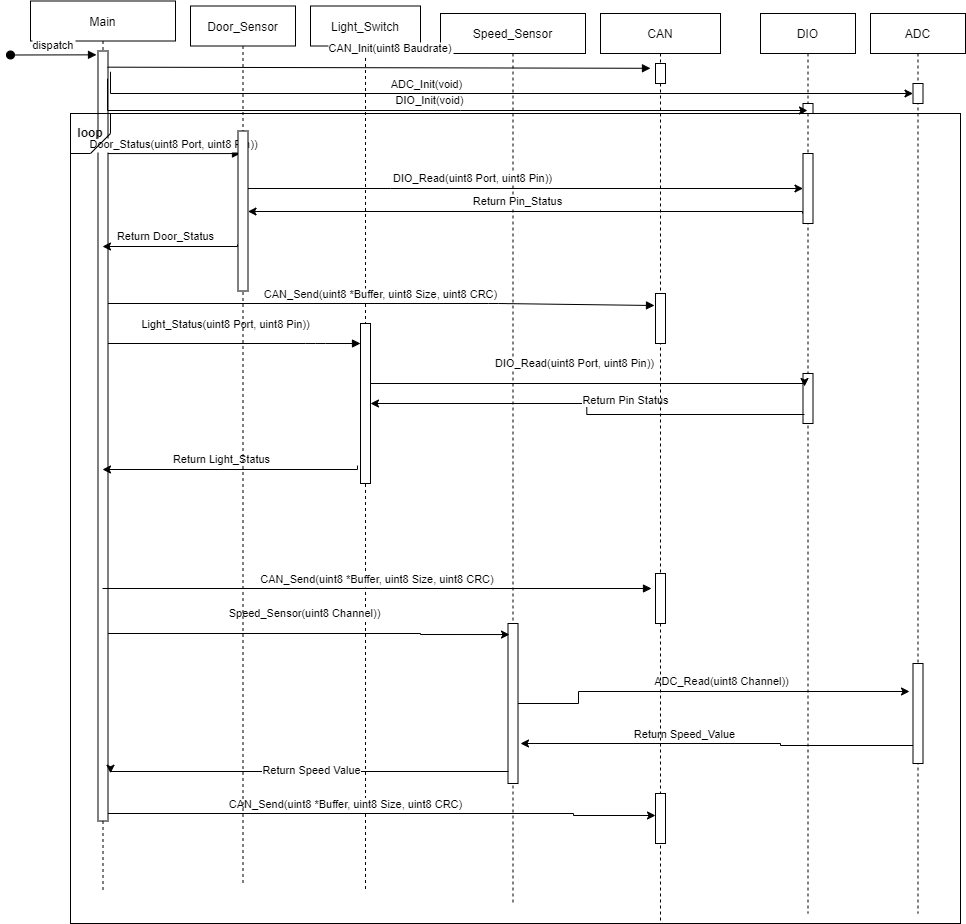


Figure (3) Sequence Diagram for ECU\_1

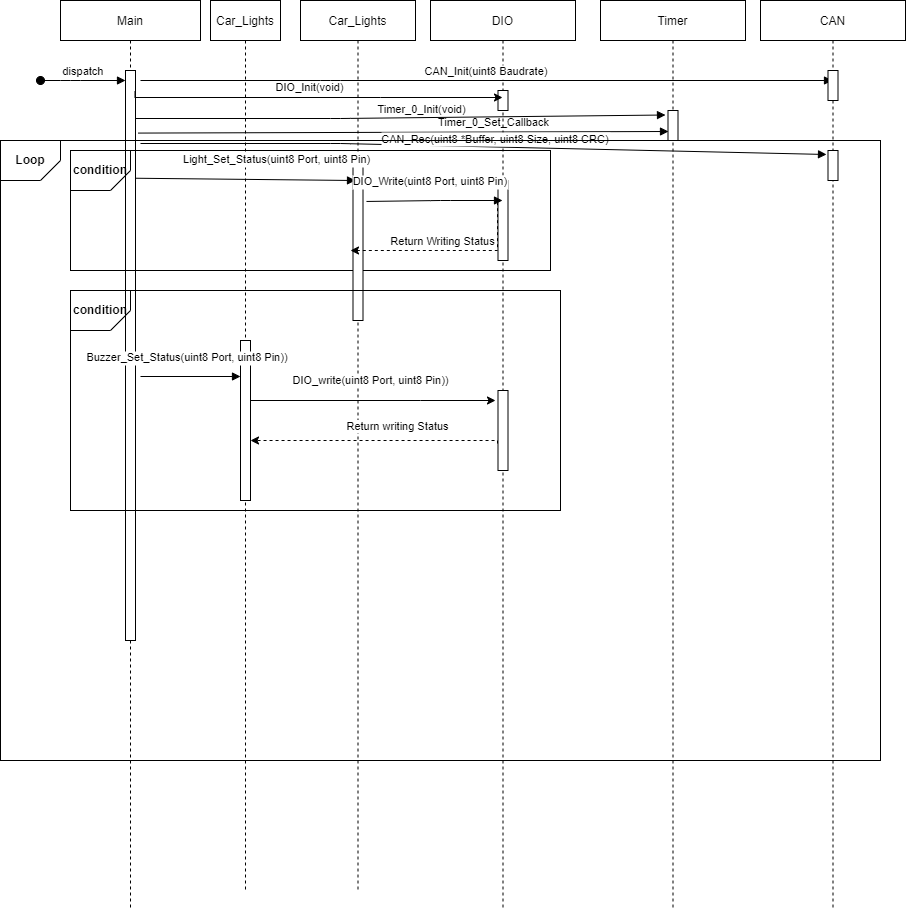


Figure (4) Sequence Diagram for ECU\_2