Identifying Acceleration Profiles

A car is at the origin at time \( t = 0 \) s. For each description of its motion, identify the correct acceleration profile A - F.

1) The car moves to the right at constant speed.

2) The car moves to the right speeding up at a steady rate.

3) The car moves to the right slowing down at a steady rate.

4) The car is parked.

5) The car moves to the left at constant speed.

6) The car moves to the left speeding up at a steady rate.

7) The car moves to the left slowing down at a steady rate.

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A. 

B. 

C. 

D. 

E. 

F.