19 An oil drop, carrying a charge of -3.2×10^{-19} C, is stationary in the region between two horizontal plates when the potential difference between the two plates is 5.0×10^3 V. The separation of the plates is 16 mm.

What is the initial acceleration of the oil drop when the potential difference is decreased to 4.0×10^3 V?

A 0.20 m s^{-2} **B** 2.0 m s^{-2} **C** 7.8 m s^{-2} **D** 18 m s^{-2}