We consider the asymmetric simple exclusion process (ASEP) on \( \mathbb{Z} \) with an initial data such that in the large time particle density \( r \) a discontinuity at the origin is created, where the value of \( r \) jumps from zero to one, but \( r \) (resp. \( 1-r \)) is strictly positive to the left (resp. right) of the origin. We consider the position of a particle \( x_{M} \) macroscopically located at the discontinuity, and show that its limit law has a cutoff at \( t^{1/2} \) scaling, \( t \) the observation time. Inside the discontinuity region, we show that a discrete product limit law arises, which bounds from above the limiting fluctuations of \( x_{M} \) in the general ASEP, and equals them in the totally ASEP. Sending \( M \) to infinity, we recover from the discrete product structure the GOE*GOE fluctuations previously observed in TASEP.