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Schlieren image of a two-step spheroidal shock wave driven by a TEA-CO₂-laser supported detonation (LSD). The two-step (discontinuous) structure was observed to be driven only in a condition whereby a conical metallic wall exists in the periphery of the laser induced breakdown plasma. This image suggests a new idea about the dynamics of LSD, in which interplays among the laser, the localized dense plasma, and the metallic wall contribute to the structure formation. (Kenta KAWAGUCHI *et al.*, Plasma and Fusion Research Vol. 10, 1201008 (2015) <http://www.jspf.or.jp/PFR/>)