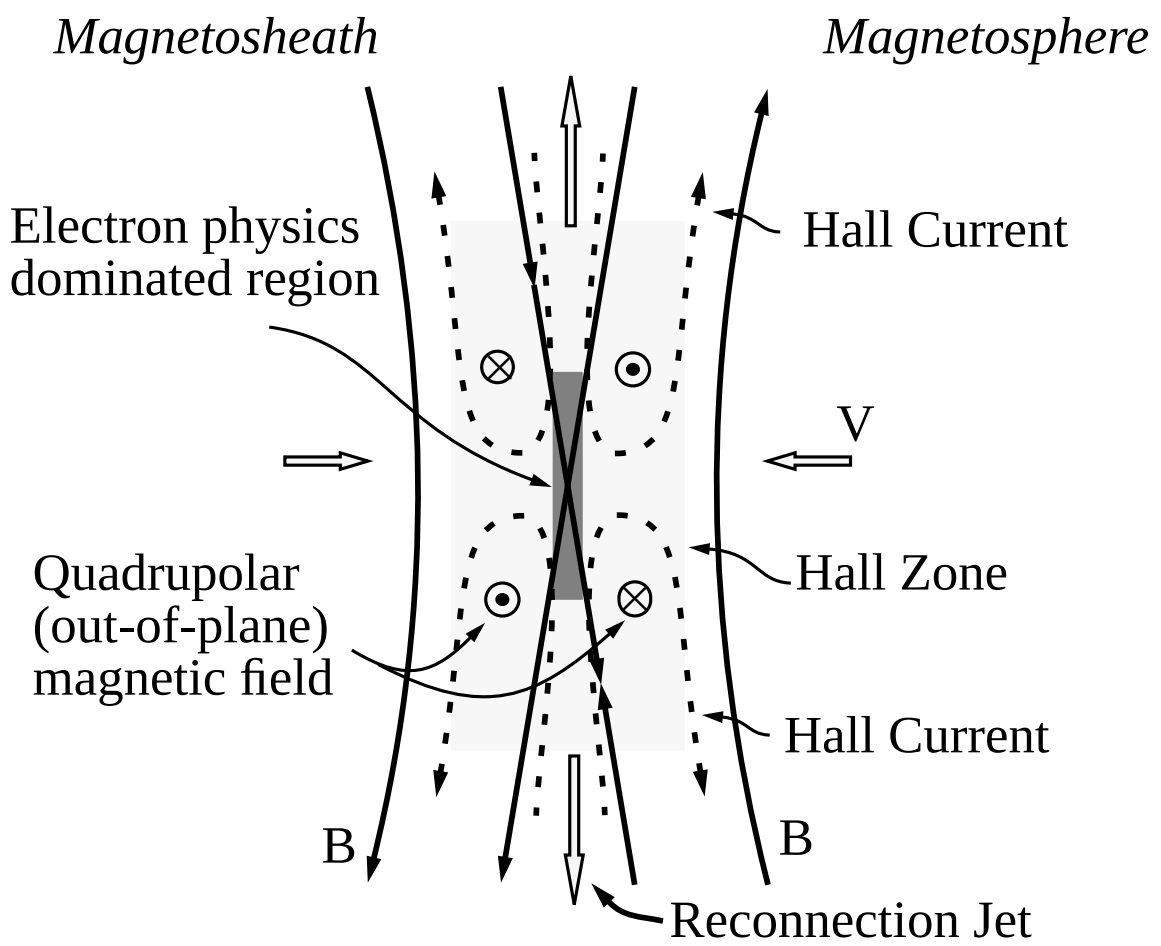

Figure C-1. Bi-directional jets resulting from reconnection in the diffusion region. The diffusion region is believed to consist of a larger ion "Hall-Zone" where the ion dynamics decouples from the electrons resulting in currents that produce quadrupolar magnetic field structure, and an inner electron diffusion region dominated by electron processes due to (a) pressure gradients along the current, (b) nongyrotropic electrons, or (c) inertial effects [after Sonnerup, 1979].