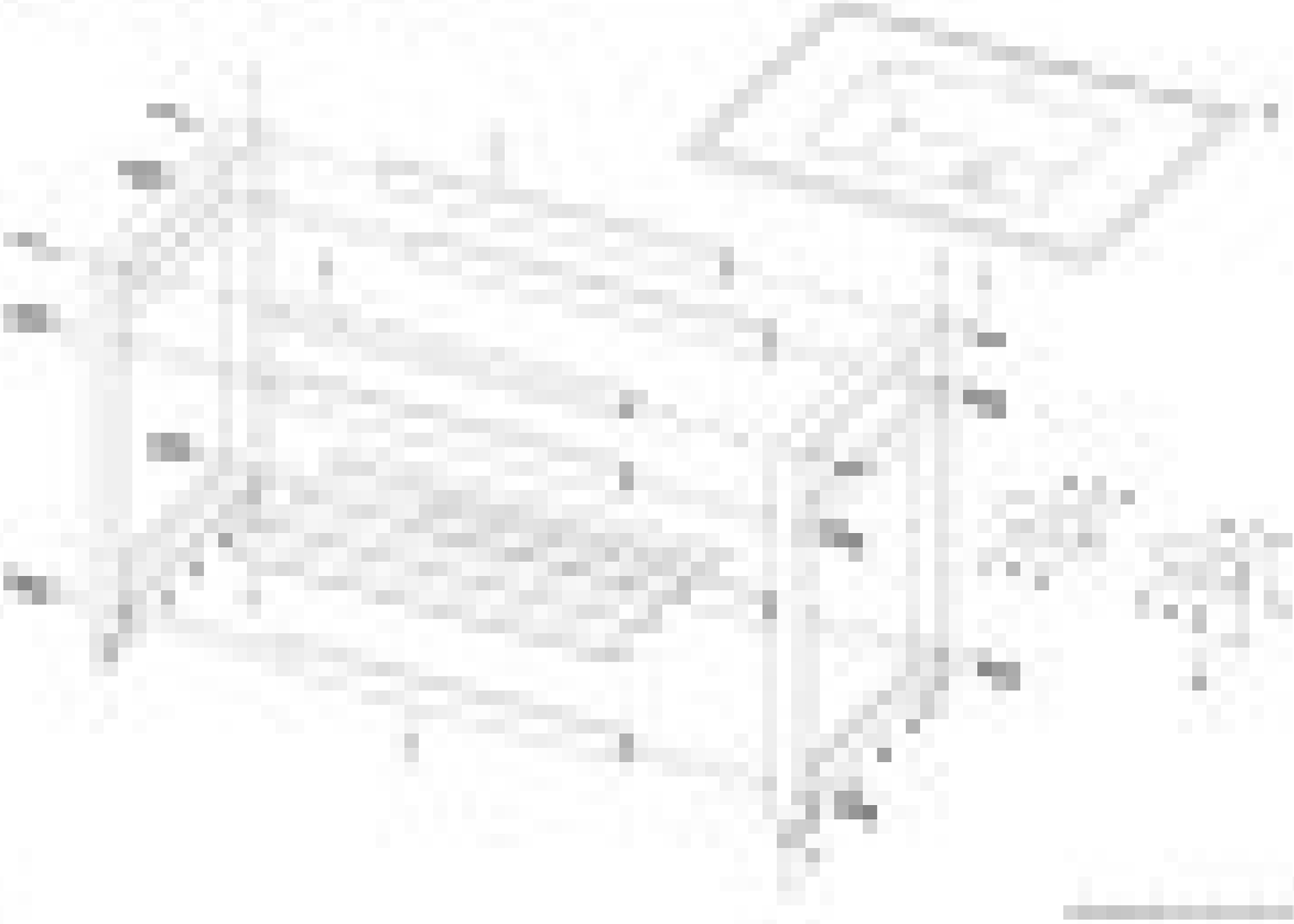Vehicle Dynamics