



## MUNRO AUTO DRIVER Tractor Added Downforce (TAD)

### -HOW IT WORKS-

The patented Tractor Added Downforce (TAD) system is designed to increase the post driving effectiveness of the hydraulic hammer by transferring some of the mass of the tractor to hammer. The post driving effectiveness is significantly improved when more mass is available to back up the hammer blows. This is because the hydraulic hammer needs something to react against when it accelerates the internal hammer piston downwards to strike the post Anvil. If there is insufficient mass to react against then some of the available energy is lost in accelerating the hammer body and machine frame up wards.

The mass transfer is obtained by the use of the Downforce cylinder pulling the Downforce Y-ARM up. The downforce Y-ARM acts on the under side of the tractor lower linkage arms and attempts to lift the tractor off the ground. The down force applied is controlled and adjusted by use of the Downforce adjustment Valve on the main control console.

