

November 23, 1966

ENGINEERING MEMO #163

TO: Memo Distribution
FROM: R. G. Fuller
SUBJECT: POWER BRAKE MALFUNCTION

An assembly error by the Power Brake vendor has been discovered to be the cause of erratic release of brakes. Some Power Brake Assemblies have been found that apply the brake without any effort being applied other than vacuum.

The Power Brake should be checked before installation in a vehicle. The prime requirement is a vacuum source; which when attached to the unit should not produce any visible effect. After it is determined that the vacuum did not move the unit, with vacuum still applied, the operator should push the actuating rod about one inch. When hand pressure, on this rod, is released, the unit should return quickly to the starting position. The vacuum connection should then be removed and the unit set aside while the next one is tested. The unit should be retested after the lapsed time of approximately thirty seconds and if the effort required is noticeably increased, the unit should be rejected for air leakage.