

## FIX-N-FAX #92

### CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION

No. 92

Date: July 1966

#### **International Dump Trucks with Allison Transmission**

The Department of Forestry purchased a group of International dump trucks utilizing the Allison six-speed truck transmission.

The hydraulic pump which hoists the dump truck body is driven by a power takeoff side mounted to the Allison transmission. The power takeoff in turn is driven by a ring gear on the splitter clutch pack. This ring gear is turning (1) any time the transmission is in neutral and (2) anytime the truck is in motion.

If the power takeoff is engaged during either one of the above two conditions, it will lead to early power takeoff failure. To engage the power takeoff, the truck should be standing still and the transmission selector should be in 3-6 position. Once the power takeoff is engaged, the bed may be raised with the transmission in neutral, reverse, or any forward drive range. The power takeoff may be disengaged at any time.

[\(see FIX-N-FAX INDEX\)](#)