

TECHNICAL SERVICE BULLETIN - 1481**TO: ALL GRAVELLY OUTLETS****DATE: SEPTEMBER 30, 1974****SUBJECT: P.T.O. NOT DISENGAGING WHEN CONTROL LEVER IS IN
THE "OUT" POSITION ON THE 800 SERIES TRACTORS**

The subject situation has been reported to the factory as occurring on new and used 800 series tractors.

Factory investigation has determined that this situation may be due to the following:

1. Improper adjustment of the P.T.O. controls.
2. P.T.O. clutch cone assembly; Raybestos lining sticking to the clutch cups.
3. Burred woodruff key in clutch cone near the shifting collar assembly.
4. Metal particles left in clutch cone near the shifting collar assembly or rough keyway in the same.
5. Check oil level in transmission; maintain 6 quart level.

If this type of problem is experienced on any of your equipment, the following repair procedures should be followed:

1. Stop the engine.
2. Remove spark plug wire (to prevent engine from starting).
3. Remove drive shaft from power attachment.
4. Remove male shaft from female shaft.
5. Reinstall male shaft to P.T.O. making sure collars click into position on transmission shaft. (Do not have this part of the drive shaft connected to the power driven attachment.)
6. Move drive shaft 90° on left side of tractor (from operator position) and let it rest against the frame. (If not at 90° on left side, shaft could fly out causing physical injury or mechanical damage.)
7. With P.T.O. in the "out" position (make sure adjustments are correct, see service manual) crank engine to free up sticking clutch. (Do not reconnect spark plug wire.)
8. If engine fails to crank or cranks with noticeable load, transmission will have to be pulled down for P.T.O. repairs.
9. If P.T.O. has freed up and engine cranks easy, reconnect universal to power drive attachment, reinstall spark plug wire, and start engine.

Power driven attachments should not operate when the P.T.O. is in the "out" position. To eliminate this problem from reoccurring, always leave the P.T.O. control in the "out" position when tractor is in storage or not in operation.



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