



830431 [Hydraulic TA Elimination Kit]

Instruction Guide

Parts in Kit:

1 - 380076 Shaft	1 – 384185 Bushing
1 – B2416 Bearing	3 – 1040 Plugs
1 – 22419 O-Ring	1 – 68136 Housing
1 – Red Painted Lower Gear	



Displaced Parts

Torque Amplifier, Quill Shaft – 68139

Original Lower TA Driven Gear (Except 3088, 3288, 3688)

Installation Instructions

1. Remove TA and remove 382349 quill shaft. Retain constant mesh gear (528670), quill housing (38253), snap rings, and bearing for reuse
2. Remove needle bearing from quill housing
3. Install constant mesh gear and small snap ring on elimination shaft. Install quill housing and large snap ring on shaft. Install this assembly in transmission housing
4. Place O-ring (22419) on housing (380235) and install housing in transmission
5. Plug all 3 hydraulic jumper tubes, which originally supplied TA, by drilling existing holes oversize to 11/32" approximately 1" deep. Tap the tubes with a 1/8" pipe tap. Install 1 plug (1040) in each tube. Install tubes
6. (Countershaft) – Use red painted lower gear from kit. On 3088, 3288, 3688, use original lower TA driven gear
7. PTO Drive Gear: Install shaft seal and bronze bushing (384185), assemble PTO drive gear bearing and bearing housing in the housing (380235)
8. Disconnect linkage from multiple control valves. Linkage can be removed from tractor, if desired

Note: It is recommended that the main shaft for tractors without TA have a hole through the center. This allows the needle bearing on the front of the main shaft to get forced lubrication. Without a hole it only gets splash lubrication. Predrilled main shafts may be available, check your application.