



Powering Business Worldwide

BACKED BY
Roadranger
SUPPORT

Subject: Worn Shift Fork and Sliding Clutch Wear on Automated Transmissions

Document Number: TAIB-0818

Date: December 16, 2010

Issue Description:

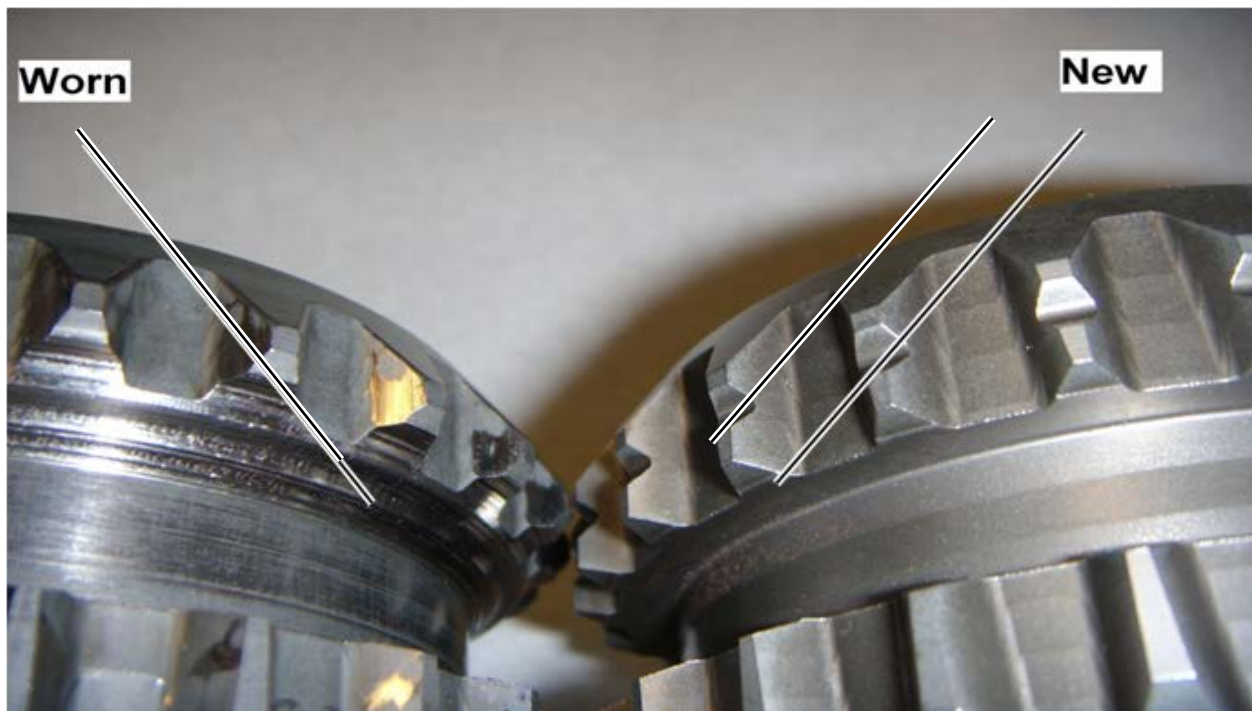
Wear of direct/overdrive shift yoke and sliding clutch on automated transmission models.

Various shifting complaints:

- 70 series fault codes (prior to Gen 2 software version 100 and Gen 3 software version 860)
- Fault code 81 with Gen 2 software version 100 and Gen 3 software version 860 and higher

The yoke and clutch may be worn on both sides; primary wear will be on the direct side only. The issue is addressed in software version 890 and higher.

Note: This may be inspected thru the 8 bolt PTO opening. Notice the sliding clutch has worn all the way back to the original center groove.





Worn Yoke

Containment/Corrective Action:

Gen 2: Update transmission software to version 100 or higher.

Gen 3: Update transmission software to version 900 or higher.

Affected Models

Gen 2 and 3 Automated 10, 13 and 18 speed transmissions.

Field Strategy:

Drain lube, remove 8 bolt PTO cover/ inertia brake and inspect for wear on the front sliding clutch per picture attached. Replace worn components and update to the latest software version.