

Transmission Overhaul Procedures - Bench Service

How to Disassemble the Upper and Lower Reverse Idler Gear Assembly

Special Instructions

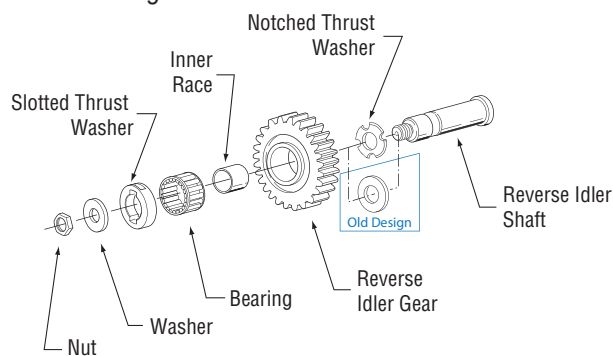
The new Reverse Idler Shaft uses a Snap Ring on the front in place of the capscrew.

Lower Reverse Idler Gear removal is the same, but the Mainshaft and Countershafts must be removed.

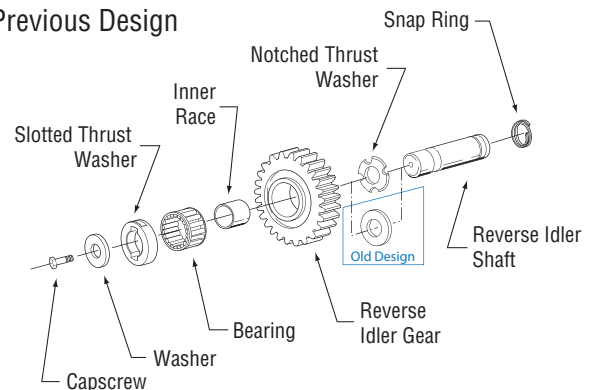
Special Tools

- RR1010TR Slide Hammer
- RR1011TR-4 Slide Hammer Attachment
- RR1019TR Hand Maul
- RR1020TR Soft Bar

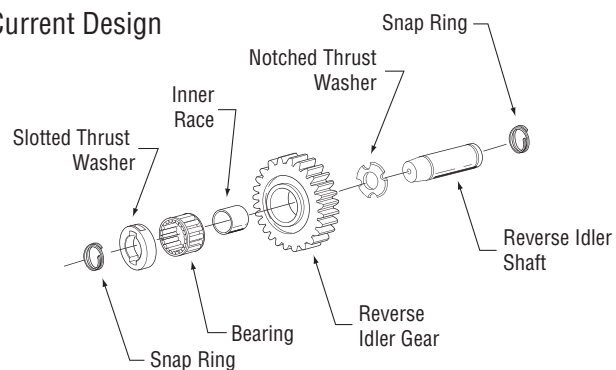
Previous Design



Previous Design



Current Design

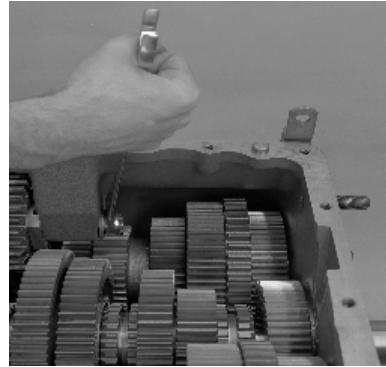


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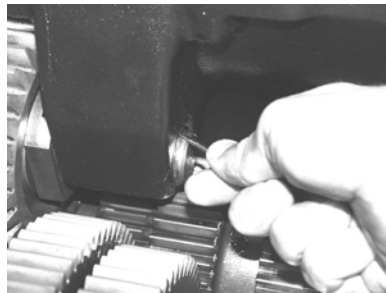
Procedure -

1. Remove the capscrew (or nut) on the front of the Reverse Idler Shaft.

Note: If Idler Shaft spins, place a large screwdriver between Reverse Idler Boss to keep shaft from spinning.



2. Remove Retaining Ring on later design Idler Shafts.



3. Use RR1010TR Slide Hammer and RR1011TR-4 Attachment to remove Reverse Idler Shafts with threaded center holes. The threads are M12x1.75.
4. If the Reverse Idler does not have internal threads use a RR1019TR Hand Maul and RR1020TR Soft Bar to drive out the Idler.

