

# Transmission Disassembly Procedure

by Tom Endy 2021

## Tools needed:

½” drive socket wrench/ sockets 5\8” 9\16” 1\2” and short extension

3\8” drive power socket wrench/ sockets 5\8” 9\16” 1\2” and short extension

7\16” box wrench

Pair of dykes

Long punch

Hammer

Crescent wrench

Screw driver

Suitable container

## Procedure:

Put all removed hardware in the container

Remove the fill and drain plugs with a crescent wrench

Remove the 7\16” grease fitting from the rear bearing retainer

Remove the four 1\2” bolts from front bearing retainer, remove the retainer

Remove the four 5\8” bolts from rear bearing retainer, (cut safety wire) remove retainer

Pull the main shaft out of the rear of the trans and remove the two slider gears

Remove the roller bearing from inside the input shaft

Drive the input shaft out from the rear with the long punch and hammer

Remove the 9\16” bolt and cross piece securing the cluster and idler shafts

Push the idler shaft out to the rear and remove the idler gear

Drive the cluster shaft out from the rear with the long punch and hammer

Remove the cluster gear and the two roller bearings and spacer from inside the gear

Remove the snap ring from each end of the housing

## Later procedure:

## Tools needed:

Shop press

Snap ring tool

Screw driver

## procedure:

Remove the sleeve and possible snap ring from behind front ball bearing on input shaft

Press ball bearing off the input shaft with shop press removing bearing and oil slinger

Press ball bearing off the main shaft with shop press removing bearing and oil slinger

Pry the spacer off the front of main shaft with a screw driver (later version main shaft)