

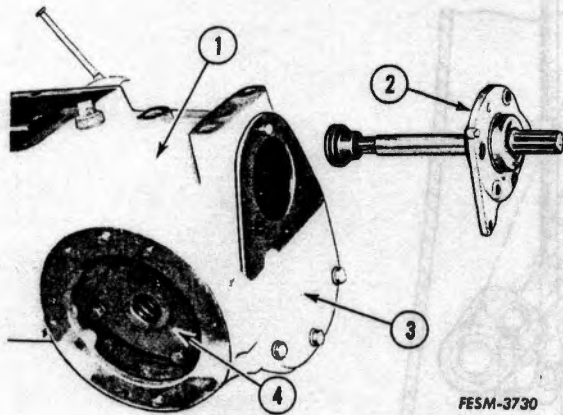
## GENERAL

Complete service of the transmission requires splitting of the tractor, removal of the final drive assemblies and removal of the power take-off assembly and the differential.

The differential can be removed and re-

placed without disassembling the transmission, however the transmission countershaft must be removed when checking pre-load of the differential carrier bearings. The transmission and differential are therefore covered together.

## REMOVAL



1. Transmission case
2. PTO assembly
3. PTO adapter plate
4. Differential bearing retainer

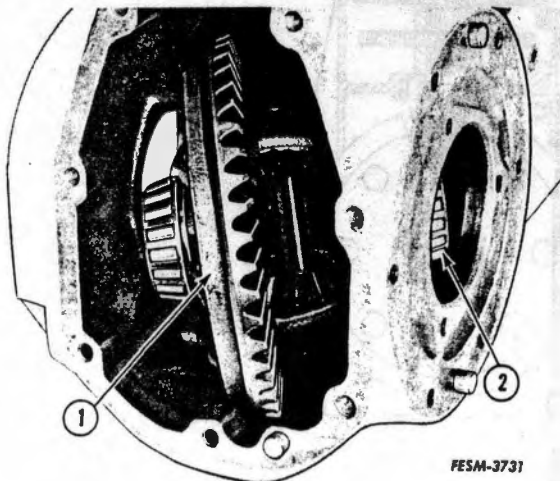
1. Remove the drawbar or the fast hitch assembly (if equipped).

2. Split the tractor. Refer to "Rear Section Split", Section 4, page 4-7.

3. Remove the final drive assemblies, and remove the differential shaft housing from the transmission case.

4. If equipped with PTO, remove the PTO adapter plate (3) and the PTO assembly (2) from the transmission case (1). If not equipped with PTO, remove the transmission rear cover plate.

5. Remove the differential bearing retainers (4) and shims. Be sure to keep the shims with each retainer and identified for each side.



6. Turn the differential (1) into position as shown and remove it from the transmission case. If the assembly will not clear the side of the case, it will be necessary to remove the R.H. bearing cone (2).

1. Differential assembly
2. R.H. bearing cone