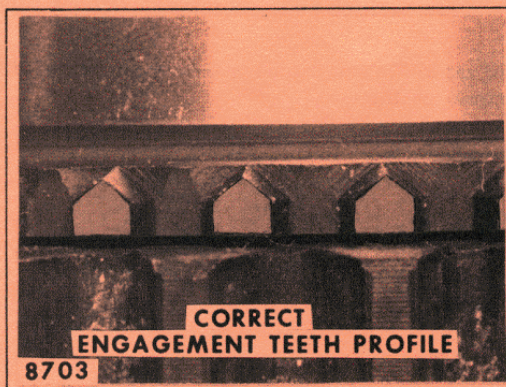


**White Farm Equipment Company**  
WHITE MOTOR CORPORATION

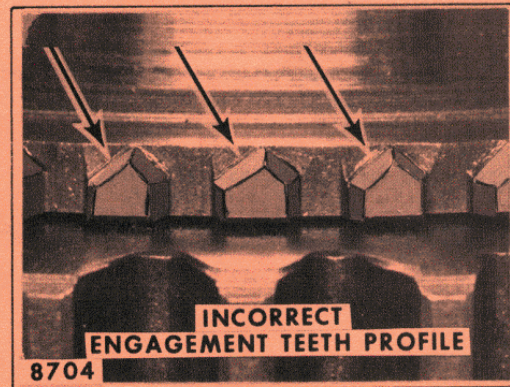
## Service Bulletin

Location Charles City  
Subject Transmission Disengagement —  
1250A, 1255, 1265, G350,  
1355, 1365, G450  
Number 430 571  
Date 6-28-73  
File C Transmission

1 of 2



*Fig. 1 Correct Engagement Teeth Profile*



*Fig. 2 Incorrect Engagement Teeth Profile*

This bulletin supersedes and cancels Service Bulletin 430 559 dated 4-12-73.

### PROBLEM

1355, 1365, G450

Possible gear disengagement due to improper gear location.

1250A, 1255, 1265, G350, 1355, 1365, G450

Possible gear disengagement due to incorrect machining of engagement teeth on synchromesh gear.

### OBSERVATION

1355, 1365, G450

Excess tolerances in shifting fork and detent notches may allow excess travel for engagement in one gear and not enough travel for complete engagement in another gear.

1250A, 1255, 1265, G350, 1355, 1365, G450

Incorrect machining of engagement teeth on synchromesh gear may not allow enough contact with drive collar teeth to maintain engagement (Figs. 1 and 2).

*PARTS REPLACEMENT OR REPAIR AT COMPANY EXPENSE IS NOT AUTHORIZED UNLESS SUCH POLICY IS STATED.*

2 of 2  
430 571

## **CORRECTION**

### **FACTORY**

1355, 1365, G450

Detent notches in 30-301 2182 Fork Control Rod have been changed to ensure more complete gear engagement. Tolerances in 30-301 2069 Control Fork detent ball drilling have been decreased to reduce fork movement on rail.

### **FIELD**

1355, 1365, G450

If problem exists purchase and install 30-301 2182 Fork Control Rod and 30-301 2069 Control Fork. Be certain tension of synchromesh flat springs and detent poppet springs meet shop manual specifications.

1250, 1255, 1265, G350, 1355, 1365, G450

If problem exists purchase and install new synchromesh gear.

Service Department

*Joo*:GDR;hr