

SERVICE MANUAL

Powershift Transmission G 421 / G 422
Converter Transmission
G 521 / G 522 / G523

PREFACE and EXPLANATIONS

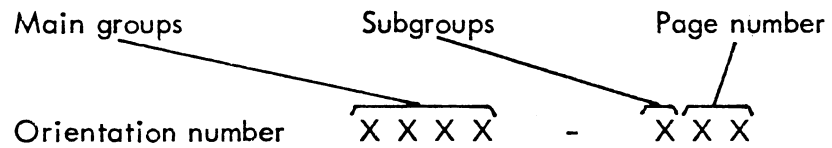
This manual should assist the skilled construction machine mechanic when carrying out repairs and adjustments on our construction machines. The procedures are written in such a style that the dismantling and assembling of the components can be carried out successfully and without difficulty.

To assist in the locating of specific test-repair operations, functional descriptions etc. this manual is divided into main and subgroups.

At the top right hand corner of every page next to the section heading a series of numbers (orientation number) are to be found. These numbers follow in numerical sequence throughout the book.

The section heading applies either to the construction machine type, assembly or component for which the text and illustrations are valid.

Orientation number:



The main group numbers refer to either main assemblies, groups of main assemblies, sub-assemblies or components.

Example: Group 1700 - Steering (mechanical steering, assisted steering, hydro-steering, steering unit)

 Group 2500 - Axles (differential, planetary gear, drive pinion)

The subgroup numbers classify the descriptions and details as follows:

- 0 - General and maintenance
- 1 - Functional descriptions
- 2 - Fault diagnosis and possible remedies
- 3 - Tests and adjustments
- 4 - Repair work
- 5 - Technical data



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