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# REPAIR MANUAL

6 HP-26



ZF GETRIEBE GMBH SAARBRÜCKEN

Version 02/11/01 CD

subject to alterations

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# **Advance Information**

These instructions contain the procedure for repair work on the complete transmission.

The repair instructions will only be understood sufficiently in combination with ZFS training. Neglecting this could lead to installation errors.

All disassembly and assembly work is listed in chronological order.

Photos and illustrations for the various applications are general in character and <u>not</u> binding for every individual case.

Important changes and those relevant to specific applications that have to be considered during repair work are announced in *Technical Circular Letters* and training courses.

During the repair work ELCAT regulations and specifications must be observed.

### Please note the following:

- Seals, e.g. O-rings, shaft sealing rings, gaskets and filters must always be renewed.
- During assembly, all O-rings, cylindrical rings and other sealing rings must be greased with Vaseline before mounting.
- All bearings must be slightly oiled when installed.
- Exchange all lining and steel disks in transmissions with higher distance readings (> 80,000 kilometers / 50,000 miles).
- After clutch / brake damage, converters, oil pipes and oil coolers must be cleaned out thoroughly and sufficiently with an appropriate cleaning agent.
- After damage to brake F, if the distance reading is high (> 80,000 km / 50,000 miles), piston F must be renewed.

The following requirements should be satisfied before starting the repair work:

- Availability of the necessary special tools otherwise assembly faults are possible. Chapter 1.8 lists the complete set of special tools.
- Availability of a suitable transmission test rig. For the necessary test values, please refer to the *Technical Circular Letters*.

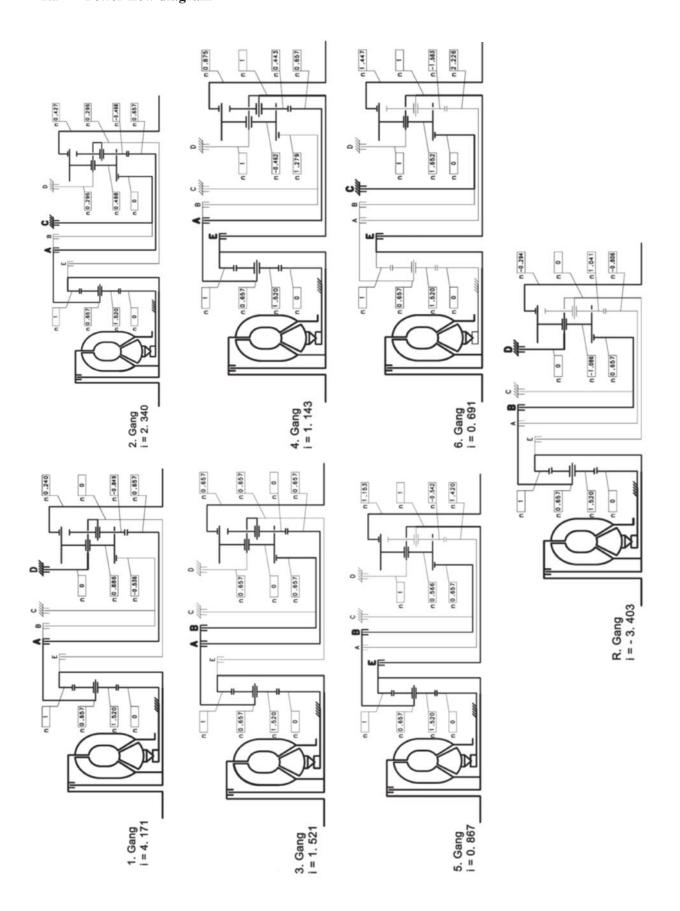
In the instructions the shift control unit is considered as a complete unit. It must not be dismantled without special experience, but should be exchanged as a complete unit.								
Warning:								
The transmission is filled for life with oil.								
An oil change is not necessary before 160 000 km or 10 years.								
Make sure that the transmission is delivered with the oil quantity and oil type specified in the relevant part list document (see ELCAT).								
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Note:

- 1. General
- 1.1 Illustration of transmission



## 1.2 Power flow diagram



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