



Order-No.: 5871 720 002

ZF - MULTITRAC

MT-C 3075



ZF Passau GmbH
Donaustr. 25 – 71
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REPAIR MANUAL **for the ZF - Multitrac** **MT-C 3075**

IMPORTANT INSTRUCTIONS CONCERNING THE REPAIR MANUAL

The great variety of ZF units compels a restriction of the Disassembly and Assembly Manuals to a current ZF production unit. Technical development of the ZF units as well as extensions concerning the design possibilities may require differing steps, which can be carried out by qualified Specialists without greater difficulties with the help of the Perspective Illustrations in the corresponding Spare Parts Lists.

The described Disassembly and Assembly Manual is based on the design level of a ZF production unit at the time of preparation of the Repair Manual.

The ZF Passau GmbH reserve the right to replace the present Disassembly and Assembly Manual by a successional edition without advance notice. Upon request, the ZF Passau GmbH will advise what edition is the latest one.

For maintenance work always observe the lubrication and maintenance instructions (ZF- order no: 5871 720 902) as well as the ZF-list of lubricants TE-ML 05!

The list of lubricants is being continuously updated and can be obtained or viewed as follows:

- In all ZF-plants
 - In all ZF Service Centers
 - Internet <http://www.zf.com> - Service / Techn. Information / ZF List of lubricants.....
-

ATTENTION:

For the installation as well as for the commissioning of the unit, the Instructions and Specifications of the Vehicle Manufacturer have to be observed !

ZF Passau GmbH

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Technische Änderungen vorbehalten! With the reserve of technical modifications!

Sous reserve de modification techniques!

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PREFACE

This documentation has been developed for the skilled Serviceman, trained by the ZF Passau for the Repair and Maintenance operations on ZF-Units.

Treated is a ZF-Serial product according to the design stage of the date of Edition.

However, due to further technical developments of the product, the repair of the unit at your disposal could require different steps as well as other adjustment and testing specifications.

Therefore, we recommend to commit your ZF-Product to Masters and to Service-men, whose practical and theoretical training is constantly completed to the actual situation in our Training School.

The Service Stations, established by the Zahnradfabrik Friedrichshafen all over the world, offer you:

1. Constantly trained personnel

2. Prescribed installations, e.g. Special Tools

3. Genuine ZF-Spare Parts according to the latest phase of development

Here, all operations are carried out for you with utmost care and reality.

Repair operations carried out by ZF-Service Stations, are covered additionally within the terms of the actual contractual conditions, by the ZF-Warranty.

Damages caused by inappropriate or inexpert work, carried out by personnel foreign to ZF, and after-expenditures eventually arising from it, are excluded from this contractual responsibility.

This applies also in case of a renouncement of Genuine ZF-Spare Parts.

ZF Passau GmbH

Service Department

GENERAL

The Service Manual covers all works required for dismantling and the pertaining installation.

When repairing the axle, ensure utmost cleanliness and that the works are carried out in an expert-like manner.

The axle should only be disassembled for renewing damaged parts. Covers and housing parts installed with seals must be loosened by slight blows with a plastic mallet after screws and nuts have been removed. For removing parts being in tight contact with the shaft such as antifriction bearings, bearing races, and similar, use suitable pulling devices.

Dismantling and mounting works must be carried out at a clean working place. Use the special tools developed for this purpose. Prior to the re-installation of the parts, clean the contact surfaces of housings and covers from the residues of old seals. Remove burrs, if any, or similar irregularities with an oil stone. Clean housings and locking covers with a suitable detergent, in particular corners and angles. Damaged parts or parts heavily worn down must be renewed. Here, the expert must assess, whether parts such as antifriction bearings, thrust washers etc. subjected to normal wear during operation, can be installed again.

Parts such as sealing rings, lock plates, split pins etc. must generally be renewed. Radial sealing rings with worn down or torn sealing lip must also be renewed. Particularly ensure that no chips or other foreign bodies remain in the housing. Lube oil bores and grooves must be checked for unhindered passage.

All bearings must be treated with operating oil prior to installing them:

REFERENCE: For heating up parts such as bearings, housings etc., only a heating furnace or an electric drier is permitted to be used!
Parts fitted in heated state have to be installed subsequently after cooling down to ensure a perfect locating!

CAUTION

When assembling the axle, absolutely observe the indicated torque limits and adjustment data. Screws and nuts must be tightened according to the enclosed standard table, unless otherwise specified.

For the installation of snap and retaining rings it must be paid attention to an exact locating in the grooves.

Plates with organic friction linings (e.g. paper lined plates) must not be washed (adhesion of the lining is affected). The plates must be cleaned in dry condition (leather cloth).



DANGER

When using detergents, observe the instructions given by the manufacturer regarding handling of the respective detergent.

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<https://shopservicemanual.com/>

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