

# SERVICE MANUAL

T4.80V  
T4.90V  
T4.100V  
T4.110V  
T4.80N  
T4.90N  
T4.100N  
T4.110N  
Tractor

*PIN ZGLJ04271 and above*

Part number 51523366

English  
August 2018





## **SERVICE MANUAL**

**T4.100N With cab [ZHLJ01382 - ], T4.100N Without cab [ZHLJ01816 - ],  
T4.100V With cab [ZHLJ00619 - ], T4.100V Without cab, T4.110N With  
cab [ZHLJ01217 - ], T4.110N Without cab [ZHLJ02312 - ], T4.110V With  
cab [ZHLJ01709 - ], T4.110V Without cab [ZHLJ01680 - ], T4.80N With  
cab [ZHLJ02071 - ], T4.80N Without cab [ZHLJ01960 - ], T4.80V With cab  
[ZGLJ04271 - ], T4.80V Without cab [ZHLJ02720 - ], T4.90N With cab  
[ZHLJ01597 - ], T4.90N Without cab [ZHLJ01779 - ], T4.90V With cab  
[ZHLJ00171 - ], T4.90V Without cab [ZHLJ03996 - ]**

## Link Product / Engine

Product	Market Product	Engine
T4.100N With cab [ZHLJ01382 - ]	Australia New Zealand	F5DFL413K*C001
T4.100N With cab [ZHLJ01382 - ]	Europe	F5DFL413K*C001
T4.100N With cab [ZHLJ01382 - ]	Asia Pacific	F5DFL413K*C001
T4.100N With cab [ZHLJ01382 - ]	Middle East Africa	F5DFL413K*C001
T4.100N With cab [ZHLJ01382 - ]	Latin America	F5DFL413K*C001
T4.100N Without cab [ZHLJ01816 - ]	Asia Pacific	F5DFL413K*C001
T4.100N Without cab [ZHLJ01816 - ]	Australia New Zealand	F5DFL413K*C001
T4.100N Without cab [ZHLJ01816 - ]	Latin America	F5DFL413K*C001
T4.100N Without cab [ZHLJ01816 - ]	Europe	F5DFL413K*C001
T4.100N Without cab [ZHLJ01816 - ]	Middle East Africa	F5DFL413K*C001
T4.110N With cab [ZHLJ01217 - ]	Australia New Zealand	F5DFL413J*C002
T4.110N With cab [ZHLJ01217 - ]	Europe	F5DFL413J*C002
T4.110N With cab [ZHLJ01217 - ]	Asia Pacific	F5DFL413J*C002
T4.110N With cab [ZHLJ01217 - ]	Middle East Africa	F5DFL413J*C002
T4.110N With cab [ZHLJ01217 - ]	Latin America	F5DFL413J*C002
T4.110N Without cab [ZHLJ02312 - ]	Middle East Africa	F5DFL413J*C002
T4.110N Without cab [ZHLJ02312 - ]	Australia New Zealand	F5DFL413J*C002
T4.110N Without cab [ZHLJ02312 - ]	Europe	F5DFL413J*C002
T4.110N Without cab [ZHLJ02312 - ]	Asia Pacific	F5DFL413J*C002
T4.110N Without cab [ZHLJ02312 - ]	Latin America	F5DFL413J*C002
T4.80N With cab [ZHLJ02071 - ]	Latin America	F5DFL413B*H001
T4.80N With cab [ZHLJ02071 - ]	Australia New Zealand	F5DFL413B*H001
T4.80N With cab [ZHLJ02071 - ]	Middle East Africa	F5DFL413B*H001
T4.80N With cab [ZHLJ02071 - ]	Europe	F5DFL413B*H001
T4.80N With cab [ZHLJ02071 - ]	Asia Pacific	F5DFL413B*H001
T4.80N Without cab [ZHLJ01960 - ]	Australia New Zealand	F5DFL413B*H001
T4.80N Without cab [ZHLJ01960 - ]	Europe	F5DFL413B*H001
T4.80N Without cab [ZHLJ01960 - ]	Asia Pacific	F5DFL413B*H001
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T4.80N Without cab [ZHLJ01960 - ]	Middle East Africa	F5DFL413B*H001
T4.90N With cab [ZHLJ01597 - ]	Australia New Zealand	F5DFL413L*C001
T4.90N With cab [ZHLJ01597 - ]	Europe	F5DFL413L*C001
T4.90N With cab [ZHLJ01597 - ]	Middle East Africa	F5DFL413L*C001
T4.90N With cab [ZHLJ01597 - ]	Latin America	F5DFL413L*C001

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<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
T4.90N With cab [ZHLJ01597 - ]	Asia Pacific	F5DFL413L*C001
T4.90N Without cab [ZHLJ01779 - ]	Australia New Zealand	F5DFL413L*C001
T4.90N Without cab [ZHLJ01779 - ]	Asia Pacific	F5DFL413L*C001
T4.90N Without cab [ZHLJ01779 - ]	Europe	F5DFL413L*C001
T4.90N Without cab [ZHLJ01779 - ]	Middle East Africa	F5DFL413L*C001
T4.90N Without cab [ZHLJ01779 - ]	Latin America	F5DFL413L*C001
T4.100V With cab [ZHLJ00619 - ]	Australia New Zealand	F5DFL413K*C001
T4.100V With cab [ZHLJ00619 - ]	Latin America	F5DFL413K*C001
T4.100V With cab [ZHLJ00619 - ]	Asia Pacific	F5DFL413K*C001
T4.100V With cab [ZHLJ00619 - ]	Middle East Africa	F5DFL413K*C001
T4.100V With cab [ZHLJ00619 - ]	Europe	F5DFL413K*C001
T4.100V Without cab	Australia New Zealand	F5DFL413K*C001
T4.100V Without cab	Asia Pacific	F5DFL413K*C001
T4.100V Without cab	Europe	F5DFL413K*C001
T4.100V Without cab	Middle East Africa	F5DFL413K*C001
T4.100V Without cab	Latin America	F5DFL413K*C001
T4.110V With cab [ZHLJ01709 - ]	Latin America	F5DFL413J*C002
T4.110V With cab [ZHLJ01709 - ]	Asia Pacific	F5DFL413J*C002
T4.110V With cab [ZHLJ01709 - ]	Australia New Zealand	F5DFL413J*C002
T4.110V With cab [ZHLJ01709 - ]	Middle East Africa	F5DFL413J*C002
T4.110V With cab [ZHLJ01709 - ]	Europe	F5DFL413J*C002
T4.110V Without cab [ZHLJ01680 - ]	Australia New Zealand	F5DFL413J*C002
T4.110V Without cab [ZHLJ01680 - ]	Asia Pacific	F5DFL413J*C002
T4.110V Without cab [ZHLJ01680 - ]	Latin America	F5DFL413J*C002
T4.110V Without cab [ZHLJ01680 - ]	Middle East Africa	F5DFL413J*C002
T4.110V Without cab [ZHLJ01680 - ]	Europe	F5DFL413J*C002
T4.80V With cab [ZGLJ04271 - ]	Australia New Zealand	F5DFL413B*H001
T4.80V With cab [ZGLJ04271 - ]	Middle East Africa	F5DFL413B*H001
T4.80V With cab [ZGLJ04271 - ]	Asia Pacific	F5DFL413B*H001
T4.80V With cab [ZGLJ04271 - ]	Latin America	F5DFL413B*H001
T4.80V With cab [ZGLJ04271 - ]	Europe	F5DFL413B*H001
T4.80V Without cab [ZHLJ02720 - ]	Europe	F5DFL413B*H001
T4.80V Without cab [ZHLJ02720 - ]	Latin America	F5DFL413B*H001
T4.80V Without cab [ZHLJ02720 - ]	Asia Pacific	F5DFL413B*H001
T4.80V Without cab [ZHLJ02720 - ]	Australia New Zealand	F5DFL413B*H001
T4.80V Without cab [ZHLJ02720 - ]	Middle East Africa	F5DFL413B*H001
T4.90V With cab [ZHLJ00171 - ]	Middle East Africa	F5DFL413L*C001
T4.90V With cab [ZHLJ00171 - ]	Latin America	F5DFL413L*C001
T4.90V With cab [ZHLJ00171 - ]	Australia New Zealand	F5DFL413L*C001
T4.90V With cab [ZHLJ00171 - ]	Europe	F5DFL413L*C001
T4.90V With cab [ZHLJ00171 - ]	Asia Pacific	F5DFL413L*C001
T4.90V Without cab [ZHLJ03996 - ]	Europe	F5DFL413L*C001
T4.90V Without cab [ZHLJ03996 - ]	Latin America	F5DFL413L*C001

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
T4.90V Without cab [ZHLJ03996 - ]	Asia Pacific	F5DFL413L*C001
T4.90V Without cab [ZHLJ03996 - ]	Middle East Africa	F5DFL413L*C001
T4.90V Without cab [ZHLJ03996 - ]	Australia New Zealand	F5DFL413L*C001

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# INTRODUCTION

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(\*) See content for specific models

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## **Foreword - Important notice regarding equipment servicing**

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel, strictly complying with the instructions given, and using, whenever possible, the special tools.

Anyone who performs repair and maintenance operations without complying with the procedures provided herein shall be responsible for any subsequent damages.

The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional, or local dealers, reject any responsibility for damages caused by parts and/or components not approved by the manufacturer, including those used for the servicing or repair of the product manufactured or marketed by the manufacturer. In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages caused by parts and/or components not approved by the manufacturer.

The manufacturer reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication but are subject to change without notice.

In case of questions, refer to your NEW HOLLAND Sales and Service Networks.

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## Note to the Owner WARNINGS FOR AIR CONDITIONING SYSTEM REPAIR OPERATIONS

T4.100N With cab [ZHLJ01382 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.100V With cab [ZHLJ00619 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.110N With cab [ZHLJ01217 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.110V With cab [ZHLJ01709 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.80N With cab [ZHLJ02071 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.80V With cab [ZGLJ04271 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.90N With cab [ZHLJ01597 - ]	ANZ --- APAC --- LA --- MEA --- WE
T4.90V With cab [ZHLJ00171 - ]	ANZ --- APAC --- LA --- MEA --- WE

Starting the system at low temperatures can damage the compressor. Only operate the air conditioner when the engine is hot and the temperature inside the cab is at least **20 °C (68.00 °F)**.

When disconnecting the hoses, close the ends with plastic caps to prevent foreign matter and humidity from getting inside the hoses.

Handle the thermostatic sensor carefully to avoid damage that may prevent efficient system operation.

Always use two spanners to unscrew the hose fittings to avoid twisting the fitting.

Do not use any type of engine oil to lubricate the compressor and the system.

Never leave the compressor oil container open, always make sure that it is tightly closed. If left exposed the oil will absorb humidity from the air and may, subsequently, damage the system.

Do not transfer compressor oil from the original container to another container.

Do not introduce any additives to the compressor oil. Any additional substances could contain elements which are incompatible with the chemical base of the refrigerant and thus alter its characteristics.

Check that the thermostatic sensor is correctly inserted in the fins on the evaporator to ensure efficient system operation.

## Safety rules

T4.N - TIER 4A (INTERIM) and STAGE IIIB	ANZ --- APAC --- LA --- MEA --- WE
T4.V - TIER 4A (INTERIM) and STAGE IIIB	ANZ --- APAC --- LA --- MEA --- WE


### Personal safety





This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or injury.

Throughout this manual you will find the signal words DANGER, WARNING, and CAUTION followed by special instructions. These precautions are intended for the personal safety of you and those working with you.

Read and understand all the safety messages in this manual before you operate or service the machine.

 DANGER indicates a hazardous situation that, if not avoided, will result in death or serious injury.

 WARNING indicates a hazardous situation that, if not avoided, could result in death or serious injury.

 CAUTION indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

**FAILURE TO FOLLOW DANGER, WARNING, AND CAUTION MESSAGES COULD RESULT IN DEATH OR SERIOUS INJURY.**

### Machine safety

**NOTICE:** Notice indicates a situation that, if not avoided, could result in machine or property damage.

Throughout this manual you will find the signal word Notice followed by special instructions to prevent machine or property damage. The word Notice is used to address practices not related to personal safety.

### Information

**NOTE:** Note indicates additional information that clarifies steps, procedures, or other information in this manual.

Throughout this manual you will find the word Note followed by additional information about a step, procedure, or other information in the manual. The word Note is not intended to address personal safety or property damage.



# **SERVICE MANUAL**

## **Engine**

**T4.100N With cab [ZHLJ01382 - ], T4.100N Without cab [ZHLJ01816 - ],  
T4.100V With cab [ZHLJ00619 - ], T4.100V Without cab, T4.110N With  
cab [ZHLJ01217 - ], T4.110N Without cab [ZHLJ02312 - ], T4.110V With  
cab [ZHLJ01709 - ], T4.110V Without cab [ZHLJ01680 - ], T4.80N With  
cab [ZHLJ02071 - ], T4.80N Without cab [ZHLJ01960 - ], T4.80V With cab  
[ZGLJ04271 - ], T4.80V Without cab [ZHLJ02720 - ], T4.90N With cab  
[ZHLJ01597 - ], T4.90N Without cab [ZHLJ01779 - ], T4.90V With cab  
[ZHLJ00171 - ], T4.90V Without cab [ZHLJ03996 - ]**



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