

SERVICE MANUAL

T4030N / T4040N / T4050N
T4060N / T4020V / T4030V
T4040V / T4050V / T4060V
Tractor

Part number 47888351
English
July 2016





SERVICE MANUAL

T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384], T4020V Without cab [Z8JE04136 - ZCJE10918], T4020V Without cab - Model Year 2012 [ZCJE08297 - ZDJE10851], T4020V Without cab [Z8JE03611 - ZCJE09385], T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061], T4030N With cab [Z8JE11012 - ZCJE10920], T4030N Without cab - Model Year 2012 [ZCJE12159 - ZDJE09449], T4030N Without cab [Z8JE03686 - ZCJE08869], T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775], T4030V With cab [Z8JE04295 - ZCJE10898], T4030V Without cab - Model Year 2012 [ZCJE04397 - ZDJE11084], T4030V Without cab [Z8JE13092 - ZCJE07076], T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934], T4040N With cab [Z8JE03840 - ZCJE10920], T4040N Without cab - Model Year 2012 [ZCJE04365 - ZDJE11547], T4040N Without cab [Z8JE15170 - ZCJE08869], T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978], T4040V With cab [Z8JE04453 - ZCJE08151], T4040V Without cab - Model Year 2012 [ZCJE12068 - ZDJE09487], T4040V Without cab [Z8JE04825 - ZCJE06813], T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074], T4050N With cab [Z8JE12903 - ZCJE10899], T4050N Without cab - Model Year 2012 [ZCJE13034 - ZDJE11359], T4050N Without cab [Z8JE02338 - ZCJE07673], T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111], T4050V With cab [Z8JE04822 - ZCJE10163], T4050V Without cab - Model Year 2012 [ZCJE13869 - ZDJE11531], T4050V Without cab [Z8JE14721 - ZCJE04768], T4060N With Cab [ZCJE05677 - ZDJE08122], T4060N Without cab [ZCJE09652 - ZDJE10652], T4060V With cab [ZCJE12826 - ZDJE06199], T4060V Without cab [ZCJE09734 - ZDJE10451]

Link Product / Engine

Product	Market Product	Engine
T4030N With cab [Z8JE11012 - ZCJE10920]	Australia New Zealand	F5AE9484B
T4030N With cab [Z8JE11012 - ZCJE10920]	Asia Pacific	F5AE9484B
T4030N With cab [Z8JE11012 - ZCJE10920]	Middle East Africa	F5AE9484B
T4030N With cab [Z8JE11012 - ZCJE10920]	Europe	F5AE9484B
T4030N Without cab [Z8JE03686 - ZCJE08869]	Australia New Zealand	F5AE9484B
T4030N Without cab [Z8JE03686 - ZCJE08869]	Middle East Africa	F5AE9484B
T4030N Without cab [Z8JE03686 - ZCJE08869]	Europe	F5AE9484B
T4030N Without cab [Z8JE03686 - ZCJE08869]	Asia Pacific	F5AE9484B
T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061]	Europe	F5AE9484B
T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061]	Middle East Africa	F5AE9484B
T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061]	Australia New Zealand	F5AE9484B
T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061]	Asia Pacific	F5AE9484B
T4030N Without cab - Model Year 2012 [ZCJE12159 - ZDJE09449]	Australia New Zealand	F5AE9484B
T4030N Without cab - Model Year 2012 [ZCJE12159 - ZDJE09449]	Europe	F5AE9484B
T4030N Without cab - Model Year 2012 [ZCJE12159 - ZDJE09449]	Asia Pacific	F5AE9484B
T4030N Without cab - Model Year 2012 [ZCJE12159 - ZDJE09449]	Middle East Africa	F5AE9484B
T4040N With cab [Z8JE03840 - ZCJE10920]	Middle East Africa	F5AE9484G
T4040N With cab [Z8JE03840 - ZCJE10920]	Europe	F5AE9484G
T4040N With cab [Z8JE03840 - ZCJE10920]	Australia New Zealand	F5AE9484G
T4040N With cab [Z8JE03840 - ZCJE10920]	Asia Pacific	F5AE9484G
T4040N Without cab [Z8JE15170 - ZCJE08869]	Middle East Africa	F5AE9484G
T4040N Without cab [Z8JE15170 - ZCJE08869]	Australia New Zealand	F5AE9484G
T4040N Without cab [Z8JE15170 - ZCJE08869]	Europe	F5AE9484G
T4040N Without cab [Z8JE15170 - ZCJE08869]	Asia Pacific	F5AE9484G

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Product	Market Product	Engine
T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934]	Middle East Africa	F5AE9484G
T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934]	Asia Pacific	F5AE9484G
T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934]	Europe	F5AE9484G
T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934]	Australia New Zealand	F5AE9484G
T4040N Without cab - Model Year 2012 [ZCJE04365 - ZDJE11547]	Australia New Zealand	F5AE9484G
T4040N Without cab - Model Year 2012 [ZCJE04365 - ZDJE11547]	Europe	F5AE9484G
T4040N Without cab - Model Year 2012 [ZCJE04365 - ZDJE11547]	Asia Pacific	F5AE9484G
T4040N Without cab - Model Year 2012 [ZCJE04365 - ZDJE11547]	Middle East Africa	F5AE9484G
T4050N With cab [Z8JE12903 - ZCJE10899]	Europe	F4CE9484
T4050N With cab [Z8JE12903 - ZCJE10899]	Middle East Africa	F4CE9484
T4050N With cab [Z8JE12903 - ZCJE10899]	Australia New Zealand	F4CE9484
T4050N With cab [Z8JE12903 - ZCJE10899]	Asia Pacific	F4CE9484
T4050N Without cab [Z8JE02338 - ZCJE07673]	Australia New Zealand	F4CE9484
T4050N Without cab [Z8JE02338 - ZCJE07673]	Middle East Africa	F4CE9484
T4050N Without cab [Z8JE02338 - ZCJE07673]	Asia Pacific	F4CE9484
T4050N Without cab [Z8JE02338 - ZCJE07673]	Europe	F4CE9484
T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074]	Middle East Africa	F4CE9484
T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074]	Australia New Zealand	F4CE9484
T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074]	Asia Pacific	F4CE9484
T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074]	Europe	F4CE9484
T4050N Without cab - Model Year 2012 [ZCJE13034 - ZDJE11359]	Australia New Zealand	F4CE9484
T4050N Without cab - Model Year 2012 [ZCJE13034 - ZDJE11359]	Europe	F4CE9484
T4050N Without cab - Model Year 2012 [ZCJE13034 - ZDJE11359]	Asia Pacific	F4CE9484
T4050N Without cab - Model Year 2012 [ZCJE13034 - ZDJE11359]	Middle East Africa	F4CE9484
T4060N With Cab [ZCJE05677 - ZDJE08122]	Middle East Africa	F4CE9484
T4060N With Cab [ZCJE05677 - ZDJE08122]	Australia New Zealand	F4CE9484

Product	Market Product	Engine
T4060N With Cab [ZCJE05677 - ZDJE08122]	Europe	F4CE9484
T4060N With Cab [ZCJE05677 - ZDJE08122]	Asia Pacific	F4CE9484
T4060N Without cab [ZCJE09652 - ZDJE10652]	Europe	F4CE9484
T4060N Without cab [ZCJE09652 - ZDJE10652]	Asia Pacific	F4CE9484
T4060N Without cab [ZCJE09652 - ZDJE10652]	Middle East Africa	F4CE9484
T4060N Without cab [ZCJE09652 - ZDJE10652]	Australia New Zealand	F4CE9484
T4020V With cab [Z8JE04136 - ZCJE10918]	Australia New Zealand	F5AE9484A
T4020V With cab [Z8JE04136 - ZCJE10918]	Middle East Africa	F5AE9484A
T4020V With cab [Z8JE04136 - ZCJE10918]	Europe	F5AE9484A
T4020V With cab [Z8JE04136 - ZCJE10918]	Asia Pacific	F5AE9484A
T4020V Without cab [Z8JE03611 - ZCJE09385]	Asia Pacific	F5AE9484A
T4020V Without cab [Z8JE03611 - ZCJE09385]	Middle East Africa	F5AE9484A
T4020V Without cab [Z8JE03611 - ZCJE09385]	Australia New Zealand	F5AE9484A
T4020V Without cab [Z8JE03611 - ZCJE09385]	Europe	F5AE9484A
T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384]	Asia Pacific	F5AE9484A
T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384]	Australia New Zealand	F5AE9484A
T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384]	Europe	F5AE9484A
T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384]	Middle East Africa	F5AE9484A
T4020V Without cab - Model Year 2012 [ZCJE08297 - ZDJE10851]	Europe	F5AE9484A
T4020V Without cab - Model Year 2012 [ZCJE08297 - ZDJE10851]	Middle East Africa	F5AE9484A
T4020V Without cab - Model Year 2012 [ZCJE08297 - ZDJE10851]	Australia New Zealand	F5AE9484A
T4020V Without cab - Model Year 2012 [ZCJE08297 - ZDJE10851]	Asia Pacific	F5AE9484A
T4030V With cab [Z8JE04295 - ZCJE10898]	Australia New Zealand	F5AE9484B
T4030V With cab [Z8JE04295 - ZCJE10898]	Europe	F5AE9484B
T4030V With cab [Z8JE04295 - ZCJE10898]	Middle East Africa	F5AE9484B
T4030V With cab [Z8JE04295 - ZCJE10898]	Asia Pacific	F5AE9484B

Product	Market Product	Engine
T4030V Without cab [Z8JE13092 - ZCJE07076]	Europe	F5AE9484B
T4030V Without cab [Z8JE13092 - ZCJE07076]	Asia Pacific	F5AE9484B
T4030V Without cab [Z8JE13092 - ZCJE07076]	Australia New Zealand	F5AE9484B
T4030V Without cab [Z8JE13092 - ZCJE07076]	Middle East Africa	F5AE9484B
T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775]	Asia Pacific	F5AE9484B
T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775]	Middle East Africa	F5AE9484B
T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775]	Europe	F5AE9484B
T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775]	Australia New Zealand	F5AE9484B
T4030V Without cab - Model Year 2012 [ZCJE04397 - ZDJE11084]	Australia New Zealand	F5AE9484B
T4030V Without cab - Model Year 2012 [ZCJE04397 - ZDJE11084]	Europe	F5AE9484B
T4030V Without cab - Model Year 2012 [ZCJE04397 - ZDJE11084]	Middle East Africa	F5AE9484B
T4030V Without cab - Model Year 2012 [ZCJE04397 - ZDJE11084]	Asia Pacific	F5AE9484B
T4040V With cab [Z8JE04453 - ZCJE08151]	Middle East Africa	F5AE9484G
T4040V With cab [Z8JE04453 - ZCJE08151]	Australia New Zealand	F5AE9484G
T4040V With cab [Z8JE04453 - ZCJE08151]	Europe	F5AE9484G
T4040V With cab [Z8JE04453 - ZCJE08151]	Asia Pacific	F5AE9484G
T4040V Without cab [Z8JE04825 - ZCJE06813]	Europe	F5AE9484G
T4040V Without cab [Z8JE04825 - ZCJE06813]	Middle East Africa	F5AE9484G
T4040V Without cab [Z8JE04825 - ZCJE06813]	Australia New Zealand	F5AE9484G
T4040V Without cab [Z8JE04825 - ZCJE06813]	Asia Pacific	F5AE9484G
T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978]	Australia New Zealand	F5AE9484G
T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978]	Asia Pacific	F5AE9484G
T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978]	Europe	F5AE9484G
T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978]	Middle East Africa	F5AE9484G
T4040V Without cab - Model Year 2012 [ZCJE12068 - ZDJE09487]	Australia New Zealand	F5AE9484G
T4040V Without cab - Model Year 2012 [ZCJE12068 - ZDJE09487]	Middle East Africa	F5AE9484G

Product	Market Product	Engine
T4040V Without cab - Model Year 2012 [ZCJE12068 - ZDJE09487]	Europe	F5AE9484G
T4040V Without cab - Model Year 2012 [ZCJE12068 - ZDJE09487]	Asia Pacific	F5AE9484G
T4050V With cab [Z8JE04822 - ZCJE10163]	Europe	F4CE9484
T4050V With cab [Z8JE04822 - ZCJE10163]	Middle East Africa	F4CE9484
T4050V With cab [Z8JE04822 - ZCJE10163]	Australia New Zealand	F4CE9484
T4050V With cab [Z8JE04822 - ZCJE10163]	Asia Pacific	F4CE9484
T4050V Without cab [Z8JE14721 - ZCJE04768]	Australia New Zealand	F4CE9484
T4050V Without cab [Z8JE14721 - ZCJE04768]	Europe	F4CE9484
T4050V Without cab [Z8JE14721 - ZCJE04768]	Asia Pacific	F4CE9484
T4050V Without cab [Z8JE14721 - ZCJE04768]	Middle East Africa	F4CE9484
T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111]	Middle East Africa	F4CE9484
T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111]	Asia Pacific	F4CE9484
T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111]	Australia New Zealand	F4CE9484
T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111]	Europe	F4CE9484
T4050V Without cab - Model Year 2012 [ZCJE13869 - ZDJE11531]	Europe	F4CE9484
T4050V Without cab - Model Year 2012 [ZCJE13869 - ZDJE11531]	Middle East Africa	F4CE9484
T4050V Without cab - Model Year 2012 [ZCJE13869 - ZDJE11531]	Asia Pacific	F4CE9484
T4050V Without cab - Model Year 2012 [ZCJE13869 - ZDJE11531]	Australia New Zealand	F4CE9484
T4060V With cab [ZCJE12826 - ZDJE06199]	Asia Pacific	F4CE9484
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T4060V With cab [ZCJE12826 - ZDJE06199]	Europe	F4CE9484
T4060V With cab [ZCJE12826 - ZDJE06199]	Middle East Africa	F4CE9484
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T4060V Without cab [ZCJE09734 - ZDJE10451]	Middle East Africa	F4CE9484
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INTRODUCTION

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(*) See content for specific models

Advice Important notice

All maintenance and repair work described in this manual must be performed exclusively by NEW HOLLAND service technicians, in strict accordance with the instructions given and using any specific tools necessary. Anyone performing the operations described herein without strictly following the instructions is personally responsible for any eventual injury or damage to property.

Note to the Owner WARNINGS FOR AIR CONDITIONING SYSTEM REPAIR OPERATIONS

T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384]	ANZ --- APAC --- MEA --- WE
T4020V With cab [Z8JE04136 - ZCJE10918]	ANZ --- APAC --- MEA --- WE
T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061]	ANZ --- APAC --- MEA --- WE
T4030N With cab [Z8JE11012 - ZCJE10920]	ANZ --- APAC --- MEA --- WE
T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775]	ANZ --- APAC --- MEA --- WE
T4030V With cab [Z8JE04295 - ZCJE10898]	ANZ --- APAC --- MEA --- WE
T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934]	ANZ --- APAC --- MEA --- WE
T4040N With cab [Z8JE03840 - ZCJE10920]	ANZ --- APAC --- MEA --- WE
T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978]	ANZ --- APAC --- MEA --- WE
T4040V With cab [Z8JE04453 - ZCJE08151]	ANZ --- APAC --- MEA --- WE
T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074]	ANZ --- APAC --- MEA --- WE
T4050N With cab [Z8JE12903 - ZCJE10899]	ANZ --- APAC --- MEA --- WE
T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111]	ANZ --- APAC --- MEA --- WE
T4050V With cab [Z8JE04822 - ZCJE10163]	ANZ --- APAC --- MEA --- WE
T4060N With Cab [ZCJE05677 - ZDJE08122]	ANZ --- APAC --- MEA --- WE
T4060V With cab [ZCJE12826 - ZDJE06199]	ANZ --- APAC --- 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 SAFETY REGULATIONS

TO PREVENT ACCIDENTS

Most accidents or injuries that occur in workshops are the result of non-observance of simple and fundamental safety regulations.

For this reason, IN MOST CASES THESE ACCIDENTS CAN BE AVOIDED: by foreseeing possible causes and consequently acting with the necessary caution and care.

Accidents may occur with all types of vehicle, regardless of how well it was designed and built.

A careful and judicious service technician is the best guarantee against accidents.

Precise observance of the most basic safety rule is normally sufficient to avoid many serious accidents.

DANGER: Never carry out any cleaning, lubrication or maintenance operations when the engine is running.

GENERAL

- Carefully follow specified repair and maintenance procedures.
- Do not wear rings, wristwatches, jewellery, unbuttoned or loose articles of clothing such as: ties, torn clothing, scarves, open jackets or shirts with open zips that may remain entangled in moving parts.
It is advised to wear approved safety clothing, e.g: non-slip footwear, gloves, safety goggles, helmets, etc.
- Do not carry out repair operations with someone sitting in the driver's seat, unless the person is a trained technician who is assisting with the operation in question.
- Operate the vehicle and use the implements exclusively from the driver's seat.
- Do not carry out operations on the vehicle with the engine running, unless specifically indicated.
- Stop the engine and ensure that all pressure is relieved from hydraulic circuits before removing caps, covers, valves, etc.
- All repair and maintenance operations must be carried out using extreme care and attention.
- Service steps and platforms used in a workshop or in the field should be built in compliance with the safety rules in force.
- Disconnect the batteries and label all controls to indicate that the vehicle is being serviced. Block the machine and all equipment which should be raised.
- Do not check or fill fuel tanks, accumulator batteries, nor use starting liquid when smoking or near naked flames, as these fluids are inflammable.
- Brakes are inoperative if manually released for repair or maintenance purposes.
In such cases, the machine should be kept constantly under control using blocks or similar devices.
- The fuel nozzle should always be in contact with the filling aperture. Maintain this position until filling operations are completed in order to avoid possible sparks caused by the accumulation of static electricity.
- Only use specified towing points for towing the tractor, connect parts carefully. Make sure that all pins and/or locks are secured in position before applying traction.
Never remain near the towing bars, cables or chains that are operating under load
- Transport vehicles that cannot be driven using a trailer or a low-loading platform trolley, if available.
- When loading or unloading the vehicle from the trailer (or other means of transport), select a flat area capable of sustaining the trailer or truck wheels, firmly secure the tractor to the truck or trailer and lock the wheels in the position.
- Electric heaters, battery-chargers and similar equipment must only be powered by auxiliary power supplies with efficient ground insulation to avoid electrical shock hazards.
- Always use suitable hoisting or lifting devices when raising or moving heavy parts.
- Take extra care if bystanders are present.
- Never pour gasoline or diesel oil into open, wide and low containers.
- Never use gasoline, diesel oil or other inflammable liquids as cleaning agents. Use non-flammable non-toxic proprietary solvents.
- Wear safety goggles with side guards when cleaning parts with compressed air.
- Limit the air pressure to a maximum of **2.1 bar (30.5 psi)**, according to local regulations.



Suggest:

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SERVICE MANUAL

Engine

T4020V With cab - Model Year 2012 [ZCJE06109 - ZDJE10384], T4020V Without cab [Z8JE04136 - ZCJE10918], T4020V Without cab [Z8JE03611 - ZCJE09385], T4030N With cab - Model Year 2012 [ZCJE06854 - ZDJE10061], T4030N Without cab [Z8JE11012 - ZCJE10920], T4030N Without cab [Z8JE03686 - ZCJE08869], T4030V With cab - Model Year 2012 [ZCJE01906 - ZDJE09775], T4030V Without cab [Z8JE04295 - ZCJE10898], T4030V Without cab [Z8JE13092 - ZCJE07076], T4040N With cab - Model Year 2012 [ZCJE08352 - ZDJE09934], T4040N Without cab [Z8JE03840 - ZCJE10920], T4040N Without cab [Z8JE15170 - ZCJE08869], T4040V With cab - Model Year 2012 [ZCJE05523 - ZDJE09978], T4040V Without cab [Z8JE04453 - ZCJE08151], T4040V Without cab [Z8JE04825 - ZCJE06813], T4050N With cab - Model Year 2012 [ZCJE03562 - ZDJE10074], T4050N Without cab [Z8JE12903 - ZCJE10899], T4050N Without cab [Z8JE02338 - ZCJE07673], T4050V With cab - Model Year 2012 [ZCJE02892 - ZDJE10111], T4050V Without cab [Z8JE04822 - ZCJE10163], T4050V Without cab [Z8JE14721 - ZCJE04768], T4060N With Cab [ZCJE05677 - ZDJE08122], T4060N Without cab [ZCJE09652 - ZDJE10652], T4060V With cab [ZCJE12826 - ZDJE06199], T4060V Without cab [ZCJE09734 - ZDJE10451]

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