

Magnum™ 250

Magnum™ 280

Magnum™ 310

Magnum™ 340

Magnum™ 380

Magnum™ 310 Rowtrac™

Magnum™ 340 Rowtrac™

Magnum™ 380 Rowtrac™

Continuously Variable Transmission (CVT)

Powershift Transmission (PST)

Tractor

PIN ZHRF04001 and above

SERVICE MANUAL

Part number 51431498

1st edition English

February 2018

CASE II
AGRICULTURE

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Magnum™ 280

Magnum™ 310

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Magnum™ 250 CVT TIER 4B [ZHRF04001 -], Magnum™ 280 CVT TIER 4B [ZHRF04001 -], Magnum™ 310 CVT TIER 4B [ZHRF04001 -], Magnum™ 310 Rowtrac™ CVT TIER 4B [ZHRF04001 -], Magnum™ 340 CVT TIER 4B [ZHRF04001 -], Magnum™ 340 Rowtrac™ CVT TIER 4B [ZHRF04001 -], Magnum™ 380 CVT TIER 4B [ZHRF04001 -], Magnum™ 380 Rowtrac™ CVT TIER 4B [ZHRF04001 -]

Link Product / Engine

Product	Market Product	Engine
Magnum™ 250 CVT TIER 4B [ZHRF04001 -]	North America	F2CFE613G*B002
Magnum™ 280 CVT TIER 4B [ZHRF04001 -]	North America	F2CFE613G*B002
Magnum™ 310 CVT TIER 4B [ZHRF04001 -]	North America	F2CFE613G*B002
Magnum™ 340 CVT TIER 4B [ZHRF04001 -]	North America	F2CFE614C*B002
Magnum™ 380 CVT TIER 4B [ZHRF04001 -]	North America	F2CFE614C*B002
Magnum™ 310 Rowtrac™ CVT TIER 4B [ZHRF04001 -]	North America	F2CFE614D*B002
Magnum™ 340 Rowtrac™ CVT TIER 4B [ZHRF04001 -]	North America	F2CFE614C*B002
Magnum™ 380 Rowtrac™ CVT TIER 4B [ZHRF04001 -]	North America	F2CFE614A*B002

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INTRODUCTION

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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 CASE IH Sales and Service Networks.

Safety rules


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.

Safety rules - General maintenance safety

General maintenance safety

Keep the area used for servicing the machine clean and dry. Clean up spilled fluids.

Service the machine on a firm, level surface.

Install guards and shields after you service the machine.

Close all access doors and install all panels after servicing the machine.

Do not attempt to clean, lubricate, clear obstructions, or make adjustments to the machine while it is in motion or while the engine is running.

Always make sure that working area is clear of tools, parts, other persons and pets before you start operating the machine.

Unsupported hydraulic cylinders can lose pressure and drop the equipment, causing a crushing hazard. Do not leave equipment in a raised position while parked or during service, unless the equipment is securely supported.

Jack or lift the machine only at jack or lift points indicated in this manual.

Incorrect towing procedures can cause accidents. When you tow a disabled machine follow the procedure in this manual. Use only rigid tow bars.

Stop the engine, remove the key, and relieve pressure before you connect or disconnect fluid lines.

Stop the engine and remove the key before you connect or disconnect electrical connections.

Scalding can result from incorrect removal of coolant caps. Cooling systems operate under pressure. Hot coolant can spray out if you remove a cap while the system is hot. Allow the system to cool before you remove the cap. When you remove the cap, turn it slowly to allow pressure to escape before you completely remove the cap.

Replace damaged or worn tubes, hoses, electrical wiring, etc.

The engine, transmission, exhaust components, and hydraulic lines may become hot during operation. Take care when you service such components. Allow surfaces to cool before you handle or disconnect hot components. Wear protective equipment when appropriate.

When welding, follow the instructions in the manual. Always disconnect the battery before you weld on the machine. Always wash your hands after you handle battery components.

Safety rules - Personal Protective Equipment (PPE)

Personal Protective Equipment (PPE)

Wear Personal Protective Equipment (PPE) such as hard hat, eye protection, heavy gloves, hearing protection, protective clothing, etc.

Safety rules - Do Not Operate tag

⚠ Do Not Operate tag ⚠

Before you start servicing the machine, attach a 'Do Not Operate' warning tag to the machine in an area that will be visible.

Click on the image link below for the full version of the service manual

