4 - OPERATING INSTRUCTIONS

Commissioning the unit

Basic operating safety rules

⚠ WARNING

Inhalation/asphyxiation hazard!
Make sure there is proper ventilation before starting the engine.
Failure to comply could result in death or serious injury.

W0091A

⚠ WARNING

Unexpected machine movement!
Before starting the engine, move all operating controls to neutral or park lock position. This prevents accidental movement of the machine or start up of power-driven equipment.
Failure to comply could result in death or serious injury.

W0302A

⚠ WARNING

Hazard to bystanders!
ALWAYS make sure the work area is clear of bystanders and domestic animals before starting this procedure. Know the full area of movement of the machine. Do not permit anyone to enter the area of movement during this procedure.
Failure to comply could result in death or serious injury.

W0245A

⚠ WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY.
MAKE SURE THAT EVERY OPERATOR:
-is instructed in the safe and proper use of this machine.
-reads and understands the operator's manual for this machine.
-reads and understands ALL safety signs on the machine.
Failure to comply could result in death or serious injury.

W0188A

⚠ WARNING

Avoid injury!
Carefully read and observe all the precautionary advice contained in this manual.
Failure to comply could result in death or serious injury.

W0044A

⚠ WARNING

Misuse hazard!
Before starting the engine, make sure you are fully aware of the location and the function of each control.
Failure to comply could result in death or serious injury.

W0226A

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8 - TROUBLESHOOTING

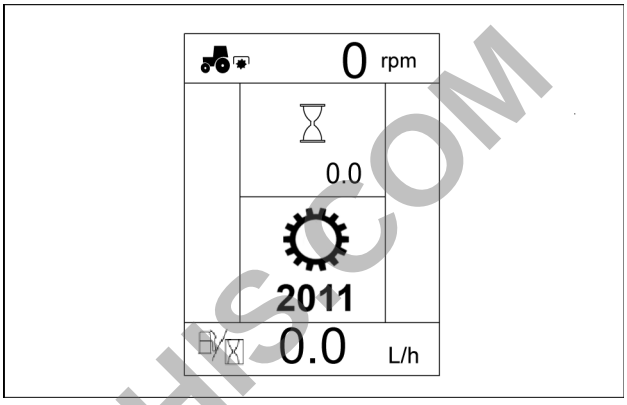
Fault code resolution

Viewing error codes

The tractor's electronic control units are able to detect operating faults or errors occurring in key areas such as the engine, gearbox, electric and hydraulic systems.

Should a malfunction or error occur, the relevant symbol and error code will appear in the display.

This display may be accompanied by the amber or red warning lights on the control panel coming on and by an audible warning, depending on the severity of the fault. Contact your NEW HOLLAND authorized dealer's specialized personnel where envisaged.



MOIL16TR03651AB 1

Error code identification

NOTE: *if there is a fault, a warning signal and a four- or five-digit error code will appear on the control unit display. To resolve the problem, contact your authorised NEW HOLLAND dealer and report the error code displayed.*

Display symbol	Error code	Area of fault
	From **2001** to **3000**	Transmission
	From **3001** to **4000**	Motor

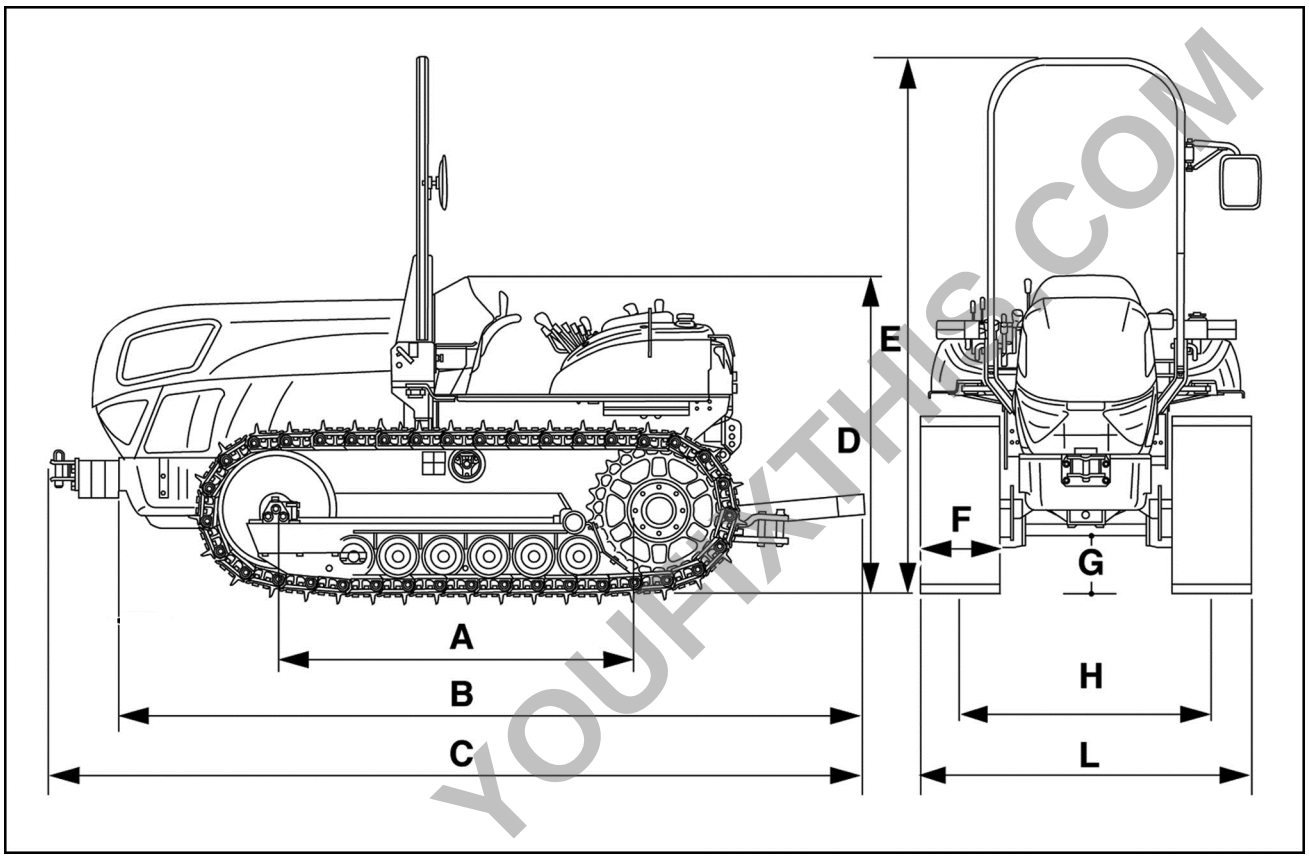
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9 - SPECIFICATIONS

Dimensions and weights

Models with metal tracks – Version without cab



MOIL12TR10957AA 1

Dimensions TK4.80V – TK4.90V – TK4.100V

	READING
A	**1341.0 – 1442.0 mm (52.8 – 56.8 in)**
B	**3195.0 mm (125.8 in)**
C	**3495.0 mm (137.6 in)**
D	-
E	**2390.0 mm (94.1 in)**
F	**270.00 mm (10.63 in)**
G	**360.0 mm (14.2 in)**
H	**948.0 mm (37.3 in)**
L	**1260.0 mm (49.6 in)**

Dimensions TK4.80N – TK4.90N – TK4.100N

	READING
A	**1445.0 mm (56.9 in)**
B	**3195.0 mm (125.8 in)**
C	**3495.0 mm (137.6 in)**
D	-
E	**2390.0 mm (94.1 in)**
F	**310.00 mm (12.20 in)**
G	**360.0 mm (14.2 in)**
H	**948.0 mm (37.3 in)**
L	**1310.0 mm (51.6 in)**

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7 - MAINTENANCE

General information

General safety before you service

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Do not operate this machine or perform any lubrication, maintenance, or repair on it until you have read and understood the operation, lubrication, maintenance, and repair information.
Failure to comply will result in death or serious injury.

D0010A

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Any unauthorized modifications made to this machine can have serious consequences. Consult an authorized dealer on changes, additions, or modifications that may be required for this machine. Do not make any unauthorized modifications.
Failure to comply will result in death or serious injury.

D0030A

⚠ WARNING

Avoid injury! Always do the following before lubricating, maintaining, or servicing the machine.
1. **Disengage all drives.**
2. **Engage parking brake.**
3. **Lower all attachments to the ground, or raise and engage all safety locks.**
4. **Shut off engine.**
5. **Remove key from key switch.**
6. **Switch off battery.**
7. **Wait for all machine movement to stop.**

Failure to comply could result in death or serious injury.

W1023A

⚠ WARNING

Maintenance hazard!
Before you start servicing the machine, attach a DO NOT OPERATE warning tag to the machine in a visible area.
Failure to comply could result in death or serious injury.

W0004A

⚠ WARNING

Maintenance hazard!
Always perform all service procedures punctually at the intervals stated in this manual. This ensures optimum performance levels and maximum safety during machine operation.
Failure to comply could result in death or serious injury.

W0132A

⚠ WARNING

Improper operation or service of this machine can result in an accident.
Read and understand the SAFETY INFORMATION Section before you perform any maintenance, service, or repairs. Read and understand the specific service procedures for the components you plan to work with before you start servicing the machine.
Failure to comply could result in death or serious injury.

W0138A

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2 - SAFETY INFORMATION

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.

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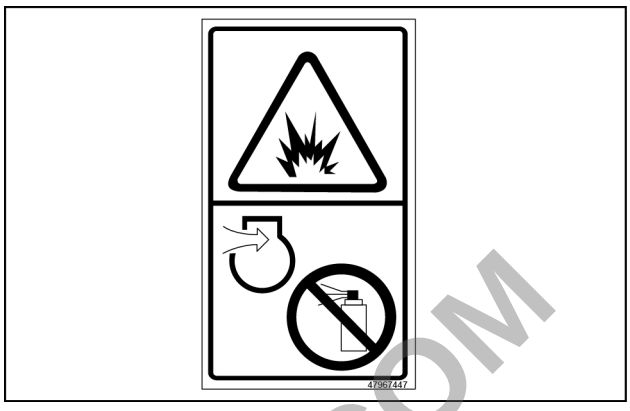
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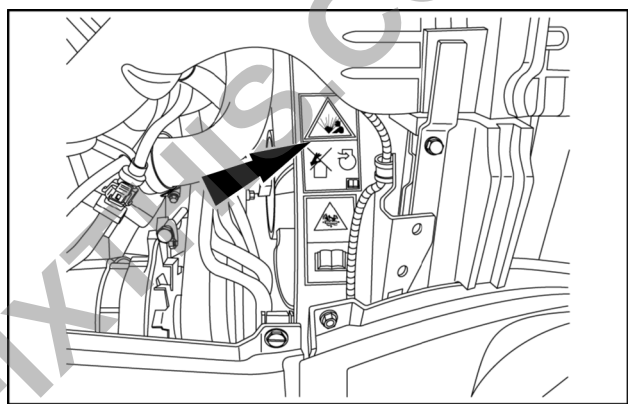
Position: applied to the right-hand side of the radiator.
Part Number: 47967447

WARNING
Risk of explosion.
Do not use ether or other flammable starting aids.

Failure to comply could result in death or serious injury.



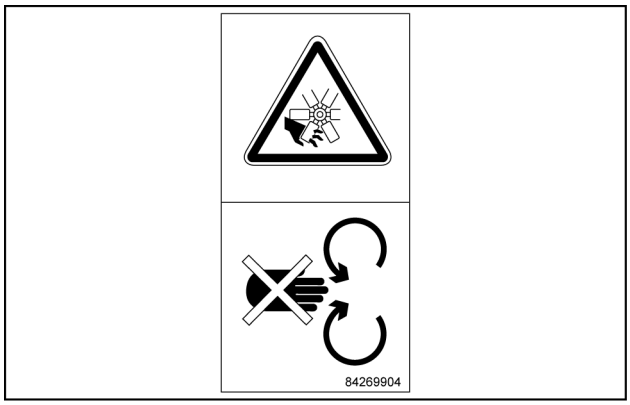
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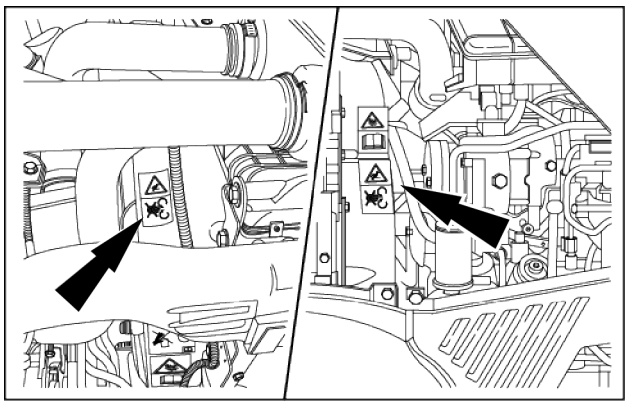
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Position: applied to the right-hand and left-hand sides of the radiator.
Part Number: 84269904

WARNING
Rotating parts risk.
When the engine is running, do not open or remove the safety guards.
Failure to comply could result in death or serious injury.



84269904 8



MOIL16TR03971AA 9

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NOTICE: *If one of the warning indicator lights illuminates to signal a fault, check and repair the faulty part. If the warning signal continues to indicate a fault, have your dealer check the machine.*

Before accelerating or starting the tractor, allow the engine to idle at ***1000 RPM*** *for 30 seconds to ensure that the turbocharger is correctly lubricated.*

When starting the engine after extended periods of non-use, avoid using the hydraulic system immediately. All the moving parts need to be lubricated properly before they are subjected to full load.

Engine rpm

NOTICE: *Never use the engine continuously for a long time at speeds between* ***2500 – 3000 RPM*** *(yellow area on the tachometer) to avoid damage to the engine and NEVER exceed* ***3000 RPM*** *(red area on the tachometer). For appropriate use, always operate under the speed corresponding to* ***2300 RPM****.*

Start-up at low environmental temperature

When starting the engine with low outside temperatures and when the engine is cold, take note of the following:

- To avoid running down the battery, any single engine starting attempt should not last longer than **15 s**; if, however, the engine fires but does not start, continue the attempt up to a maximum of **30 s**.
- Wait at least one minute before trying to start-up again.
- To avoid excessively running down the battery, do not make more than six attempts to start the engine.

Especially when the external temperature approaches **0 °C** (**32.0 °F**), run the engine at **1300 – 1500 RPM** for approximately 5 minutes in order to heat the oil in the rear transmission to operating temperature.

With outside temperatures below **0 °C** (**32.0 °F**), in order to prevent separation of the paraffin components in the diesel fuel, leading to a reduction in fluidity and subsequent fuel supply problems (especially when starting the engine), mix the diesel fuel with the antifreeze (or a similar product) in the proportions described on the container.

The antifreeze must be mixed with the diesel fuel before there is any sign of paraffin separation; adding it later will have no effect on an engine if the cold has already caused the engine to stop running or prevent it being started.

Put the antifreeze in the tank first, followed by the diesel fuel.

The antifreeze will ensure that there is an optimum fuel supply to the engine without reducing performance, even where the internal temperature drops below **-20 °C** (**-4.0 °F**).

Starting with pre-heating glow plugs

⚠ WARNING

Explosion hazard!
DO NOT use ether starting fluid. Explosion, death, serious personal injury, or serious engine damage could occur.
Failure to comply could result in death or serious injury.

W0148B

The pre-heating glow plugs activate automatically when the key start switch is turned onto the first click, into position **(2)** figure **1**.



The relevant indicator on the instrument cluster comes on to indicate activation.

Wait for the warning indicator to switch off, then turn the key start switch onto the start position **(4)** figure **1**. As soon as the engine starts, release the key.

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You may notice the older version of the OAT decal (CNH Industrial part number 47488993) on some applications.

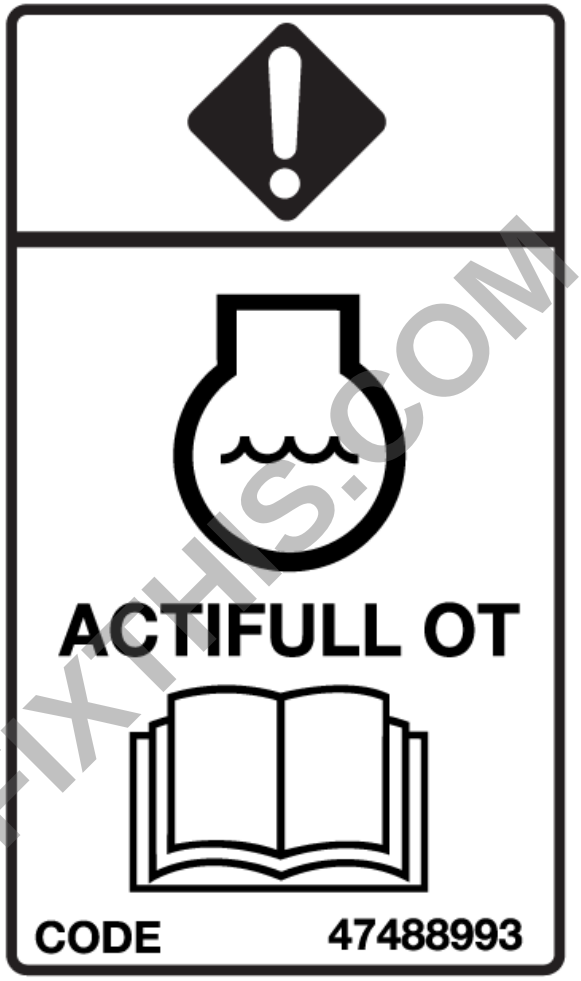
Definitions

Conventional coolant:

A coolant that relies on inorganic inhibitors such as silicates, nitrites, and phosphates for corrosion and cavitation protection.

Organic Acid Technology (OAT) coolant:

A coolant that relies on inhibitors such as organic acid salts for corrosion and cavitation protection.



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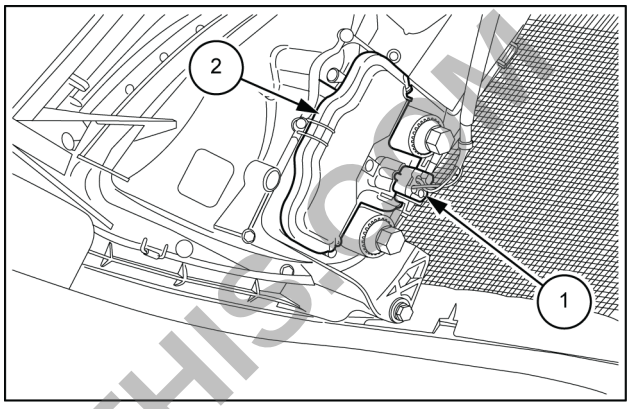
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Front light - Replace

NOTE: *When handling halogen bulbs, only touch the metal parts, never the bulb. If the bulb comes into contact with your fingers, the intensity of the light emitted will be reduced, adversely affecting its service life. In the event of contact, clean the bulb with a cloth soaked in alcohol and leave to dry.*

Full/dipped beam headlight bulbs:

1. Replace blown bulbs as follows:
   - Raise the bonnet;
   - Remove the fixing plugs **(1)**;
   - Take off the guard **(2)**;
   - Remove the bulb and replace it with a new one of the same power.



MOIL13TR00696AA 1

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