OPERATOR'S MANUAL



926, 930, 940, 950

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THIS MANUAL SHOULD ALWAYS STAY WITH THE MACHINE

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Safety

Safety - Yours and Others

All machinery can be hazardous. When a product is correctly operated and maintained, it is a safe product to work with. When it is carelessly operated or poorly maintained it can become a danger to you (the operator) and others.

In this manual and on the product you will find warning messages, read and understand them. They inform you of potential hazards and how to avoid them. If you do not fully understand the warning messages, ask your employer or JCB dealer to explain them.

Safety is not just a matter of responding to the warnings. All the time you are working on or with the product you must be thinking of what hazards there might be and how to avoid them.

Do not work with the product until you are sure that you can control it.

Do not start any work until you are sure that you and those around you will be safe.

If you are not sure of anything, about the product or the work, ask someone who knows. Do not assume anything.

Remember:

- Be careful
- Be alert
- Be safe.

Safety Warnings

In this manual and on the product, there are safety notices. Each notice starts with a signal word. The signal word meanings are given below.

The signal word 'DANGER' indicates a hazardous situation which, if not avoided, will result in death or serious injury.

The signal word 'WARNING' indicates a hazardous situation which, if not avoided, could result in death or serious injury.

The signal word 'CAUTION' indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

The signal word 'Notice' indicates a hazardous situation which, if not avoided, could result in product damage.

The safety alert system (shown) also helps to identify important safety messages in this manual and on the product. When you see this symbol, be alert, your safety is involved, carefully read the message that follows, and inform other operators.

Figure 2. The safety alert system



General Safety

Training

To operate the machine safely you must know the machine and have the skill to use it. You must abide by all relevant laws, health and safety regulations that apply to the country you are operating in. The operator's manual instructs you on the machine, its controls and its safe operation; it is not a training manual. If you are a new operator, get yourself trained in the skills of using a machine before trying to work with it. If you don't, you will not do your job well, and you will be a danger to yourself and others.

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Introduction
About this Manual

Model and Serial Number

This manual provides information for the following model(s) in the JCB machine range:

Model	From:	To:
926	02363578	02365578
930	02363578	02365578
940	02363578	02365578
950	02363578	02365578

Using the Manual

This operator's manual is arranged to give you a good understanding of the product and its safe operation. It also contains maintenance and technical data.

Read this manual from the front to the back before you use the product for the first time. Particular attention must be given to all the safety aspects of operating and maintaining the product.

If there is anything you are not sure about, ask your JCB dealer or employer. Do not guess, you or others could be killed or seriously injured.

The general and specific warnings in this section are repeated throughout the manual. Read all the safety statements regularly, so you do not forget them. Remember that the best operators are the safest operators.

The illustrations in this manual are for guidance only. Where the machines are different, the text and or the illustration will specify.

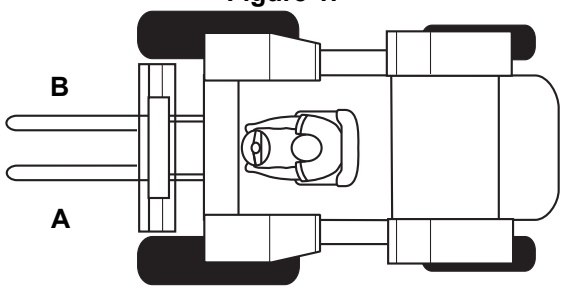
The manufacturer's policy is one of continuous improvement. The right to change the specification of the product without notice is reserved. No responsibility will be accepted for discrepancies which may occur between specifications of the product and the descriptions contained in this manual.

All of the optional equipment included in this manual may not be available in all territories

Left-Hand Side, Right-Hand Side

In this manual, 'left' and 'right' mean your left and right when you are seated correctly in the machine.

Figure 1.



A Left
B Right

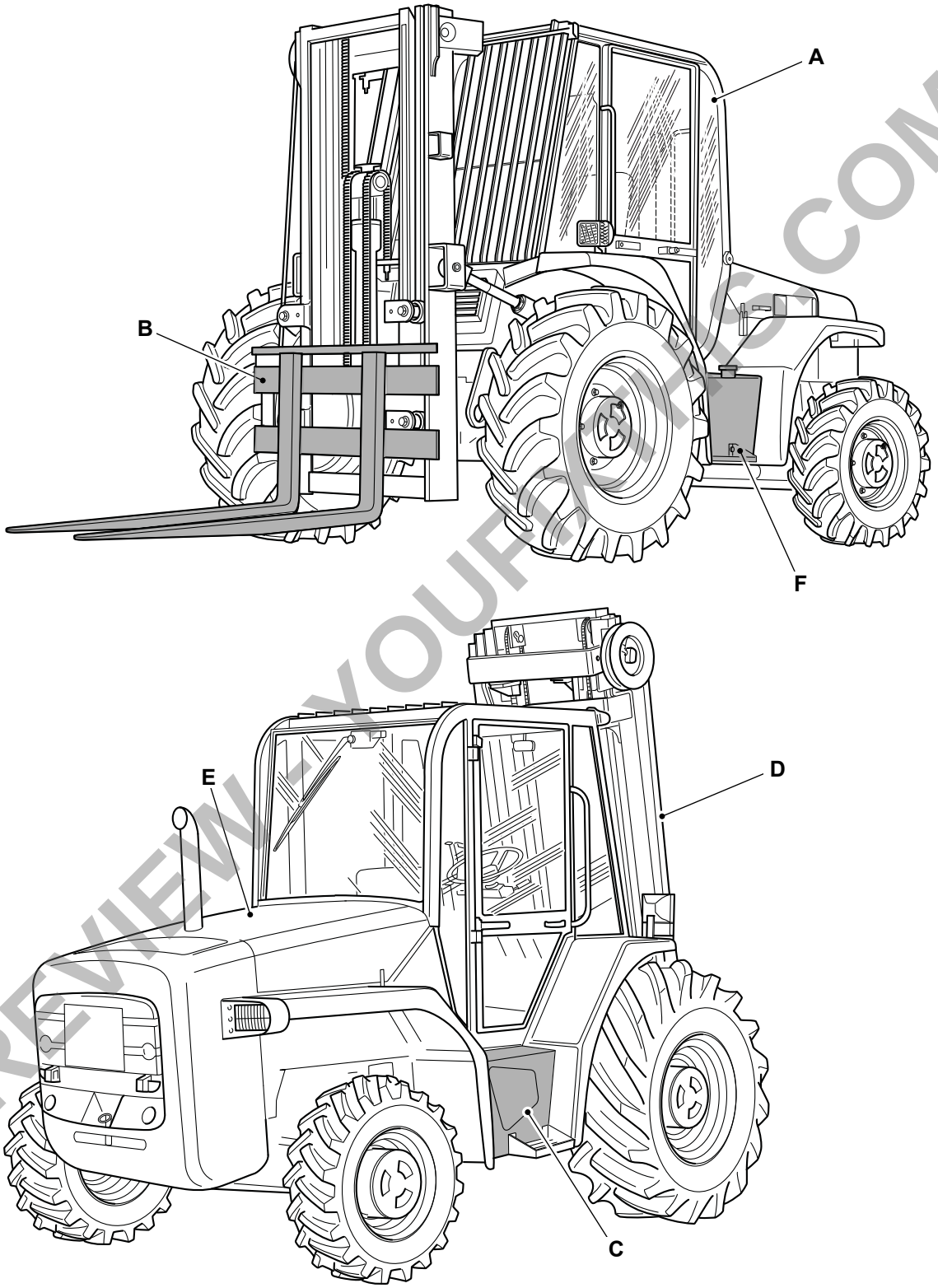
Cab/Canopy

This manual frequently makes references to the cab. For example, 'do not operate the machine without an operator's manual in the cab'. These statements also apply to canopy build machines.

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Main Component Locations

Figure 3.



A FOPS (Falling-Object Protective Structure) Cab
B Carriage
C Fuel tank
D Mast
E Engine cover

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Safety Labels

General

⚠ **Warning!** Safety labels on the machine warn you of particular hazards. You can be injured if you do not obey the safety instructions shown.

The safety labels are strategically placed around the product to remind you of possible hazards.

If you need eye-glasses for reading, make sure you wear them when reading the safety labels. Do not over-stretch or put yourself in dangerous positions to read the safety labels. If you do not understand the hazard shown on the safety label, then refer to Safety Label Identification. Refer to: About the Product > Safety Labels > Safety Label Identification (Page 13).

Keep all of the safety labels clean and readable. Replace a lost or damaged safety label. Make sure the replacement parts include the safety labels where necessary. Each safety label has a part number printed on it, use this number to order a new safety label from your JCB dealer.

Safety Label Identification

Figure 10.

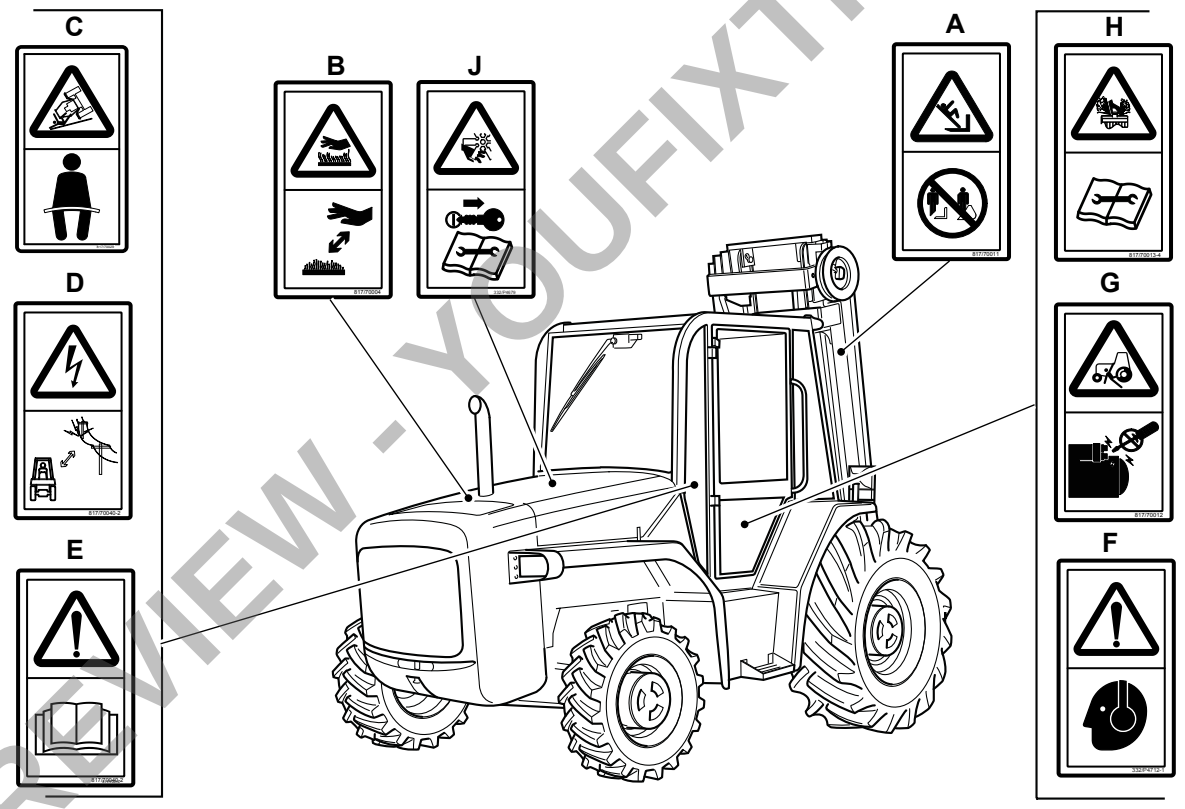


Table 6. Safety Labels

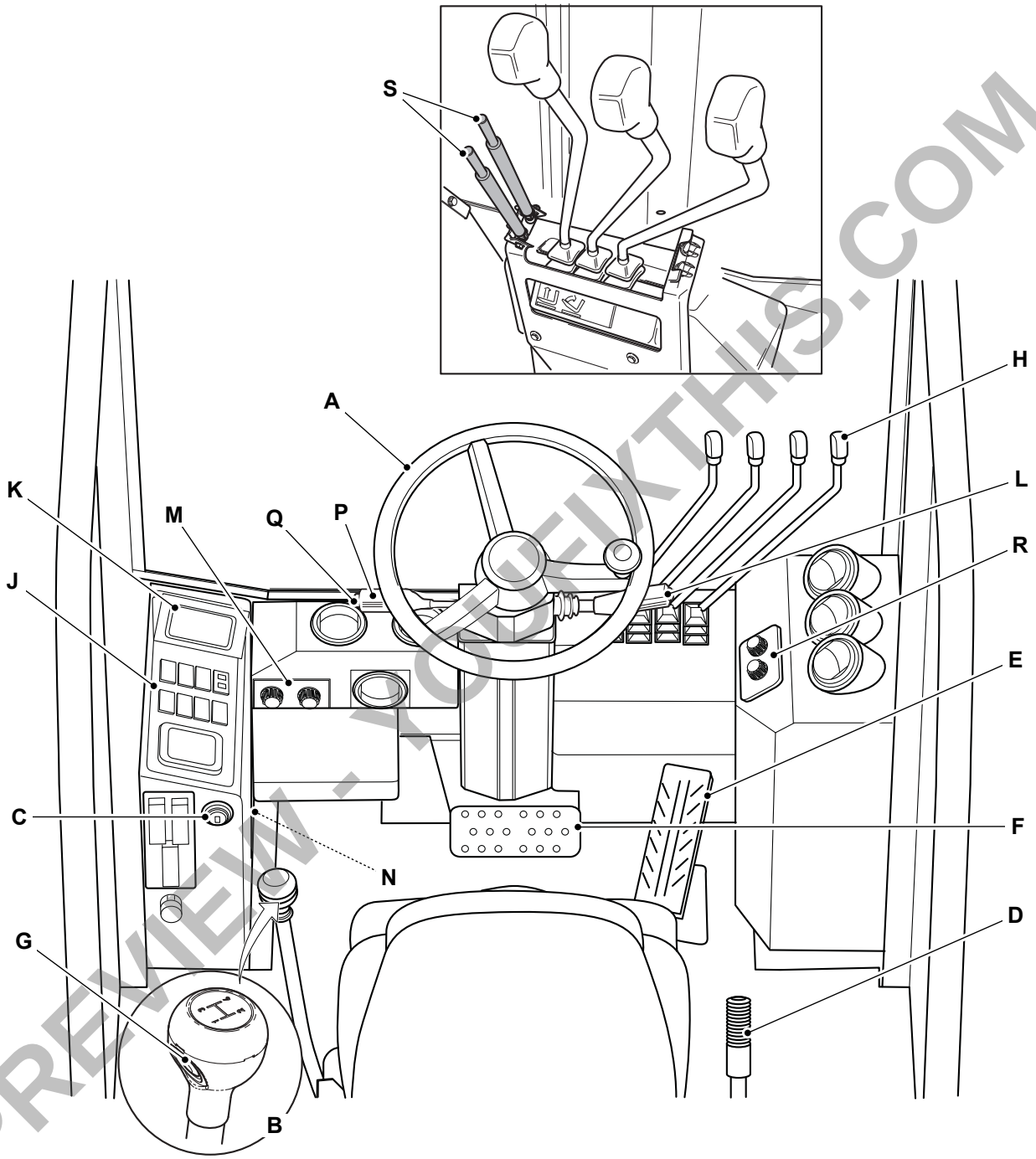
Item	Part No.	Description	Qty.
A	817/70011	Fall from raised attachment. Do not stand or ride on the bucket or forks.	1
B	817/70094	Burns to fingers and hands. Stay a safe distance away.	1
C	817/70029	Crush hazard. Wear seat belt.	1
D	817/70040	Electrical hazard. Stay a safe distance away from power lines.	1
E	817/70014	Warning. Read the Operator’s Manual before you operate the machine.	1
F	332/P4712	Noise warning. Wear ear protection.	1
G	817/70012	Run over hazard. Start the engine from the operator's seat only. Do not short across the terminals.	1
H	332/F5860	Hot fluid under pressure. Read the Operator's Manual.	1

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Operator Station

Component Locations

Figure 11.



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A Steering wheel Refer to: Operation > Drive Controls > Steering Wheel (Page 47).
B Gear lever Refer to: Operation > Drive Controls > Gear Lever (Page 49).
C Starter switch Refer to: About the Product > Interior Switches > Ignition Switch (Page 19).
D Park brake lever Refer to: Operation > Drive Controls > Park Brake (Page 47).
E Accelerator pedal Refer to: Operation > Drive Controls > Accelerator Pedal (Page 47).
F Service brake pedal Refer to: Operation > Drive Controls > Service Brake Pedal (Page 47).
G Transmission dump switch Refer to: Operation > Drive Controls > Transmission Dump Switch (Page 49).
H Operating levers Refer to: Operation > Operating Levers/Pedals (Page 58).
J Console switches Refer to: About the Product > Console Switches (Page 17).
K Instrument panel Refer to: Operation > Instruments (Page 50).

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Operation
Introduction

General

The aim of this part of the manual is to guide the operator step-by-step through the task of learning how to operate the machine efficiently and safely. Read the Operation section through from beginning to end.

The operator must always be aware of events happening in or around the machine. Safety must always be the most important factor when you operate the machine.

When you understand the operating controls, gauges and switches, practice using them. Drive the machine in an open space, clear of people. Get to know the 'feel' of the machine and its driving controls.

Do not rush the job of learning, make sure you fully understand everything in the Operation section. Take your time and work efficiently and safely.

Remember:

- Be careful.
- Be alert.
- Be safe.

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Weather

- How windy is it? High wind will adversely affect the stability of a loaded machine, particularly if the load is bulky.
- Is it raining or is rain likely? The ground that was solid and smooth when dry will become uneven and slippery when wet, and it will not give the same conditions for traction, steering or braking.

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3. Carefully drive the machine forward in first gear.
4. Stop when the fork uprights just touch the load.
5. Raise the load slightly.
6. Tilt the mast backward to stabilise the load.
7. Put the mast and carriage in the travel position.

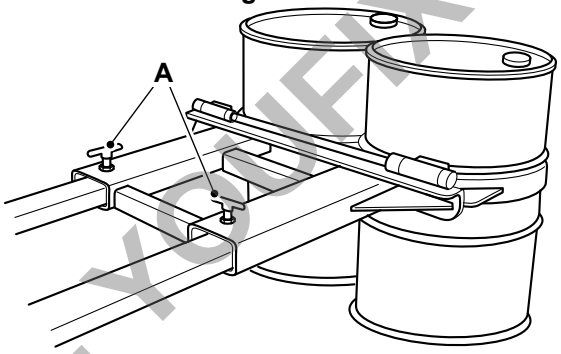
Working with Drums

⚠ **Warning!** The machine load centre is extended when using a drum clamp attachment. Do not overload the machine.

Use a drum clamp attachment when you handle the drums.

1. Space the forks to correct width.
2. Set the carriage in vertical position.
3. Mount the drum clamp on the forks and lock it in position with screw.

Figure 68.



A Clamp screw

Lifting Drums

1. Make sure that the clamp is upright.
2. Approach the drums on centre.
3. Position the clamp arms just below the level of the rims.
4. Drive the machine forward or extend the carriage until the drums seat securely in the clamp.
5. The clamp arms open when contact is made with the drums and close when the drums seat securely in the clamp.
6. Raise the carriage slightly to take the weight of the load. Then put the mast and carriage into the travel position.

Lowering Drums

1. Position the carriage so that the drums are above their required position.
2. Lower the carriage until the drums touch the ground.
3. Slowly withdraw the carriage away from the drums, the clamp will automatically open.
4. Return the mast and carriage to the travel position.

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2. Stop the engine and let it cool for at least one hour. Do not try to clean any part of the engine while it is running.
3. Make sure that all of the electrical connectors are correctly coupled. If the connectors are open, attach the correct caps or seal with water proof tape.

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Tyres

General

Check (Condition)

⚠ **Warning!** Do not use the machine with damaged, incorrectly installed, incorrectly inflated or excessively worn tyres. Recognise the speed limitation of the tyres fitted and do not operate at more than their recommended maximum speed.

Warning! An exploding tyre can kill. Inflated tyres can explode if over-heated or over-inflated. Follow the instructions given when inflating the tyres. Do not cut or weld the rims. Use a tyre/wheel specialist for all repair work.

Warning! Wheels and tyres are heavy. Take care when lifting or moving them. Store with care to ensure that they cannot fall and cause injury.

Checking the Tyre Condition

Always drive with consideration for the condition of the tyres. Incorrect tyre pressures will affect the stability of the machine. Check the tyres daily for the correct tyre pressure and signs of damage. For example:

- Signs of distortion (bulges)
- Cuts or wear
- Embedded objects (nails, etc.)

Install the valve caps firmly to prevent dirt from entering the valve. Inspect for leaks when you check the tyre pressures.

Inspect the tyre valve for leaks, when you check the tyre pressures.

Tyre Inflation

Always try to maintain your tyre pressure to the recommended settings. Using your machine with under-inflated tyres means:

- Decreasing the machines stability
- Higher tyre temperatures
- Excessive strain of the tyre fabric
- More bulging of the sidewalls
- Shortens the tyres life.

Using the machine with over-inflated tyres is dangerous:

- It causes excessive tensile loads in the fabric: this makes a tyre more susceptible to cuts and punctures.

Do not cut or weld on the rim of an inflated tyre.

After checking or amending the tyre pressure always replace and secure the valve cap.

Always deflate the tyre before removing foreign obstacles from the tread.

Procedure

These instructions are for adding air to a tyre which is already inflated. If the tyre has lost all its air pressure, call in a qualified tyre mechanic. The tyre mechanic should use a tyre inflation cage and the correct equipment to do the job.

1. Prepare the wheel. Before you add air to the tyre, make sure it is correctly fitted on the machine or installed in a tyre inflation cage.

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