VR723
Cab
S/N 3648 12001
& above

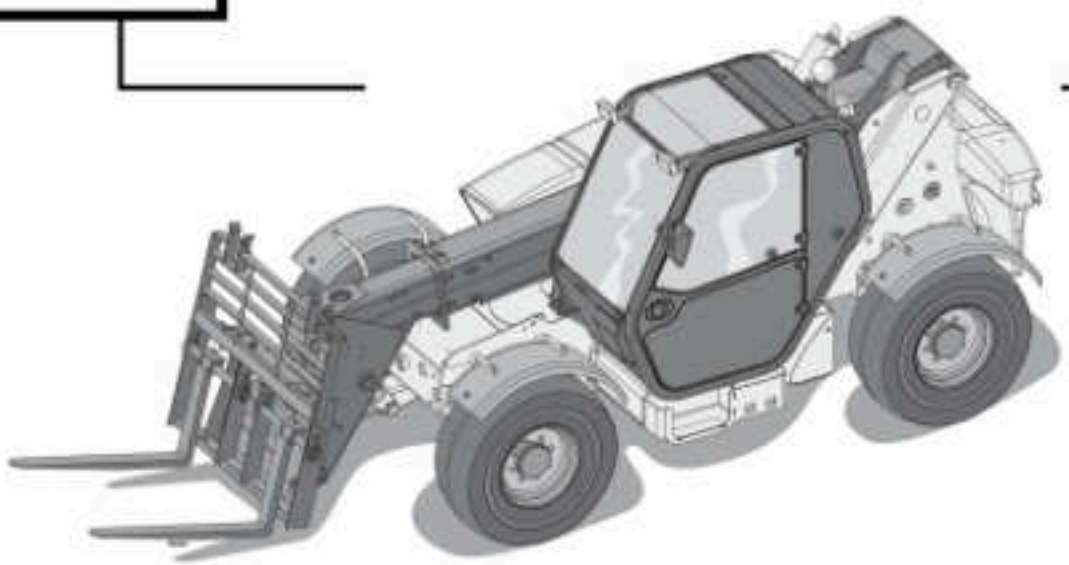
VR723
Canopy
S/N 3649 12001
& above

VR530C
Cab
S/N 3660 12001
& above

VR530C
Canopy
S/N 3661 12001
& above

Ingersoll-Rand

Operation and Maintenance Manual



CPN 22806475

December 2005

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

CONTENTS

CONTENTS I

FOREWORD III

SAFETY 1

RATED CAPACITY CHARTS 15

OPERATING INSTRUCTIONS 19

PREVENTIVE MAINTENANCE 47

OPTIONS 85

SPECIFICATIONS VR723 93

MATERIAL HANDLER WARRANTY 99

REFERENCE INFORMATION

Write the correct information for your IR telescopic handler in the spaces below. Always use these numbers when referring to your machine.
Telescopic Handler Serial Number _____
Engine Serial Number _____
Notes:
Your IR Dealer:
Address:
Telephone:

INGERSOLL - RAND
Material Handling Equipment
312 Ingersoll Dr.
SHIPPENSBURG, PA 17257

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

FOREWORD

⚠ CAUTION

This manual was written to give the owner/operator instructions on the safe operation and maintenance of the IR telescopic handler. READ AND UNDERSTAND THIS MANUAL BEFORE OPERATING YOUR MACHINE. If you have any questions, see your IR dealer.

Contents

Serial Number Locations V
- Telescopic Handler Serial Number V
- Engine Serial Number V
- Other Serial Numbers V

Delivery Report VI

Warranty Registration VI

Identification Of The Telescopic Handler VII

Options and Accessories VIII

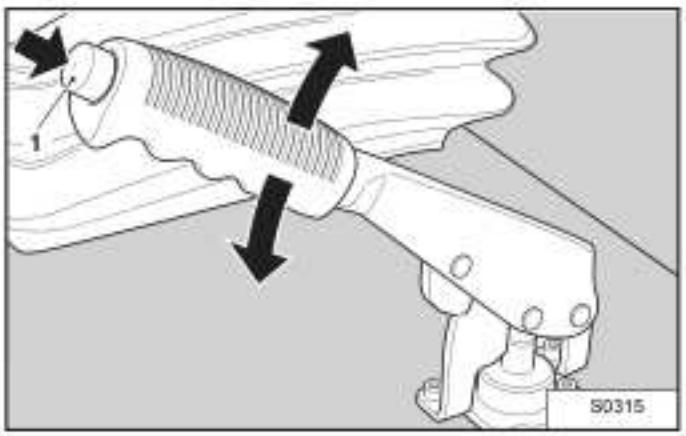
CALIFORNIA
PROPOSITION 65 WARNING

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

Handbrake

Figure 22



This lever has two functions:

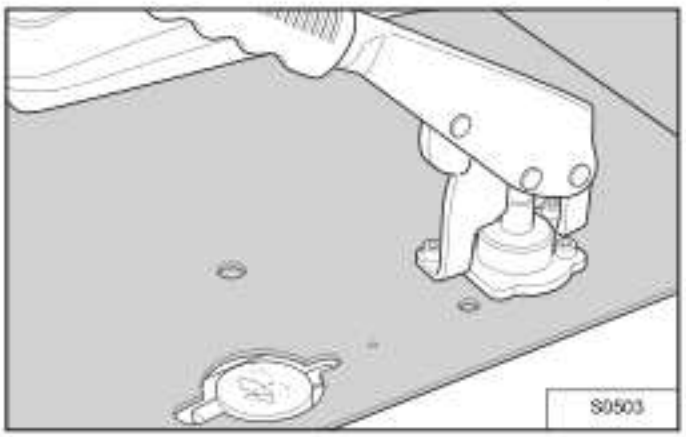
- handbrake control.
- control of the emergency brake, in case of failure of the service brake.

To apply the brake, pull the lever of the handbrake upwards until it locks.

To release the brake, pull the lever upwards, push the button (1) to release the lock. Lower the lever all the way down.

Reservoir For Windscreen Washer Liquid

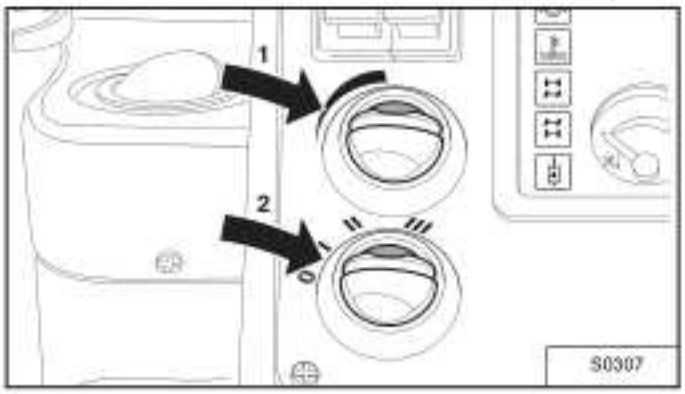
Figure 23



The fill plug for the windscreen washer liquid reservoir is located under the handbrake lever **[Figure 23]**.

Cab Heating And Defogging Control

Figure 24



Reference	Description	Function
1	**Temperature adjustment**	• Turn clockwise: to increase the temperature in the cab. • Turn counterclockwise: to lower the temperature in the cab.
2	**Fan control**	Turn the switch clockwise to increase the fan speed. • O: fan stopped. • I: slow speed. • II: medium speed. • III: high speed.

Hydraulic System

DANGER

Diesel fuel or hydraulic fluid under pressure can penetrate skin or eyes, causing serious injury or death. Fluid leaks under pressure may not be visible. Use a piece of cardboard or wood to find leaks. Do not use your bare hand. Wear safety goggles. If fluid enters skin or eyes, get immediate medical attention from a physician familiar with this injury.

WARNING

AVOID BURNS

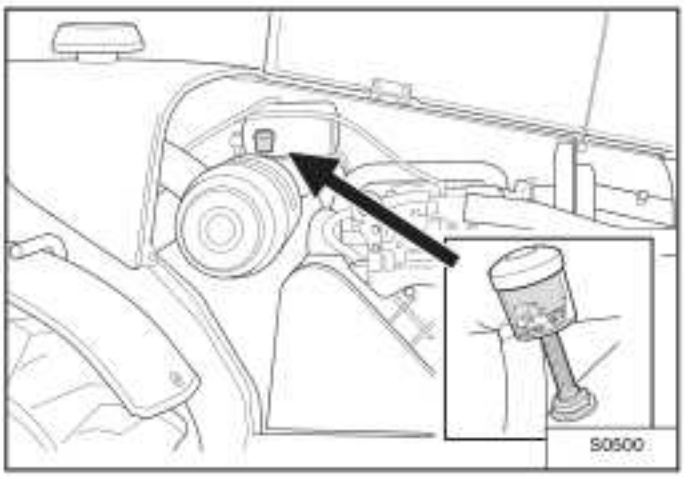
Hydraulic fluid, tubes, fittings and quick couplers can get hot when running machine and attachments. Be careful when connecting and disconnecting quick couplers.

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

Air Filter Maintenance

See "Maintenance Interval" on page 50 for the correct frequency of maintenance work.

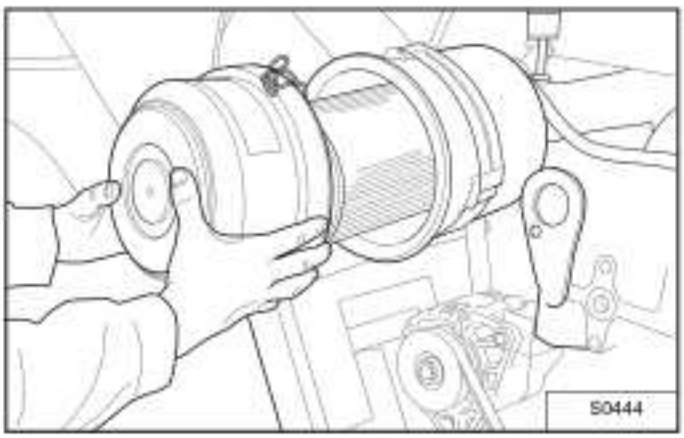
Figure 67



Irrespective of the intervals in the "Maintenance Interval" on page 50 table, the machine is provided with an indicator **[Figure 67]** to determine the condition of the air filter. When the piston in the indicator reaches the red zone, maintenance of the filter is required. Press the yellow button after the maintenance to reset the piston.

Cleaning The Air Filter's Main Cartridge

Figure 68

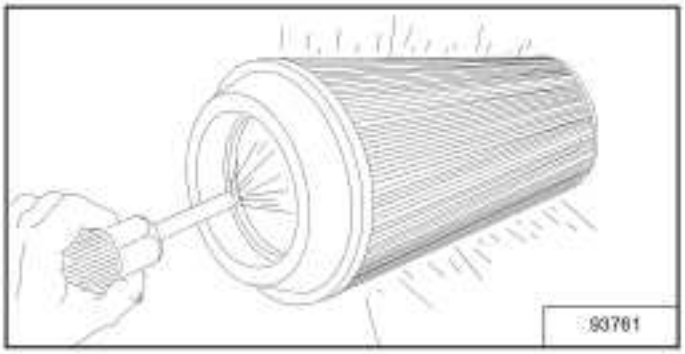


1. Remove the cover from the air filter **[Figure 68]** and take out the main cartridge.

CAUTION

The filter element is fragile. In the event of accidental damage to the cartridge during this operation, it must be replaced.

Figure 69



2. Clean the cartridge by blowing compressed air from the inside to the outside of the cartridge **[Figure 69]**.
3. Replace the cartridge and the cover.

Replacement Of The Air Filter's Main Cartridge

1. Remove the cover from the air filter **[Figure 68]** and take out the main cartridge.
2. Replace the new cartridge and the cover.

Replacement Of The Air Filter's Safety Cartridge

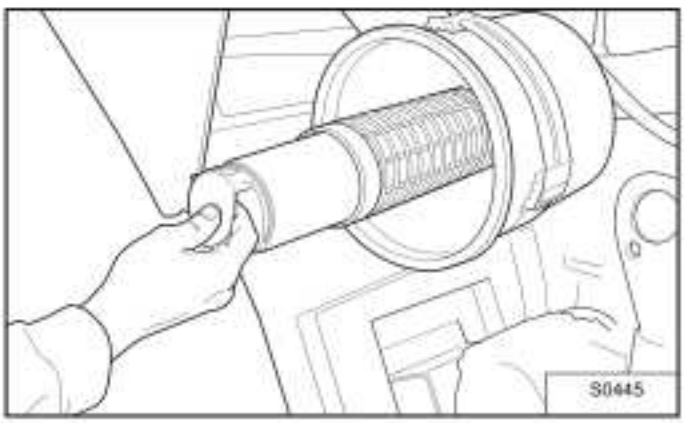
NOTICE

The interval of this operation is made to coincide with the replacement of the air filter main cartridge.

See "Replacement Of The Air Filter's Main Cartridge" on page 53.

1. Remove the cover from the air filter **[Figure 68]** and take out the main cartridge.

Figure 70



2. Remove the standby cartridge **[3.]**.
3. Replace the new cartridges and the cover.

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

Dimensions and weights

Dimensions

With DUNLOP 400/70 - 20 T37 150B tyres and rigid palletiser + forks.

Figure 147

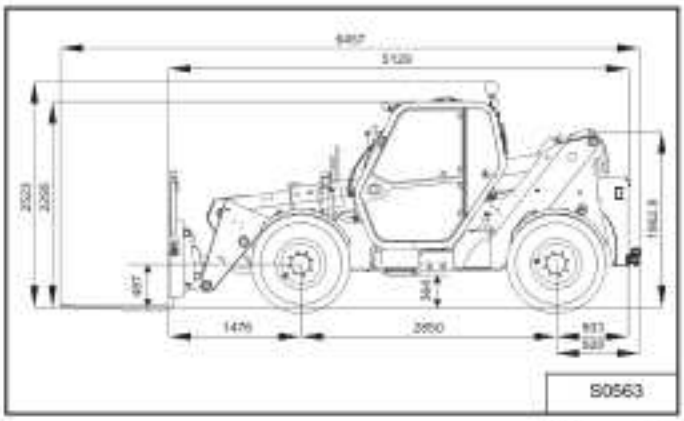


Figure 148

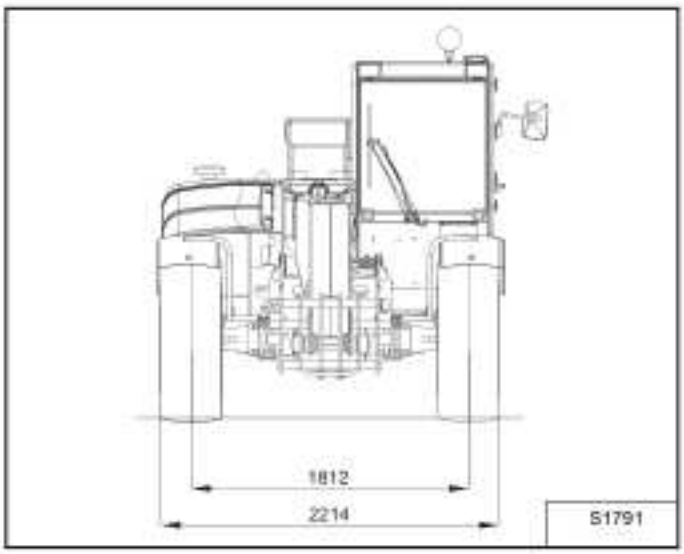


Figure 149

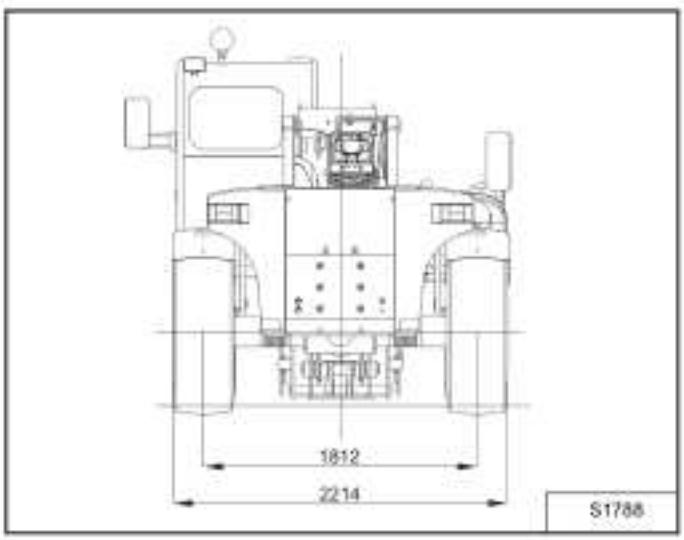
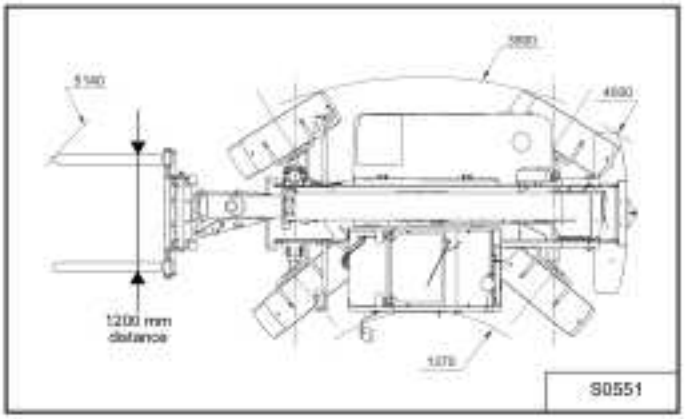


Figure 150



Reach

Maximum reach from the vertical plane in front of the front wheels, machine fitted with DUNLOP 400/70 - 20 T37 150B tyres.

Reference	Value
Telescope fully retracted	1.72 m
Telescope fully extended	4.06 m

Height

Height of lift from the ground in front, machine equipped with DUNLOP 400/70 - 20 T37 150B tyres.

Reference	Value
Telescope fully retracted	5.05 m
Telescope fully extended	7.12 m

Weights

Data with boom in transport position, all tanks full, with no driver and DUNLOP 400/70 - 20 T37 150B tyres.

Machine	Weight (Kg)		
	Total	On front axle	On rear axle
With no attachment	6.940	2.870	4.070
With palletiser and forks	7.250	3.330	3.920
With 3,500 kg load	10.750	9.305	1.415

MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >

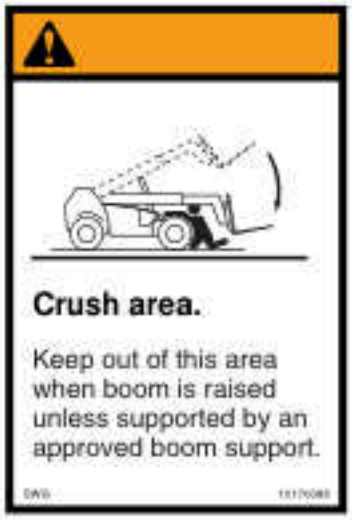
10. WARNING: Rollover Tire



11. DANGER: Electrical Hazard



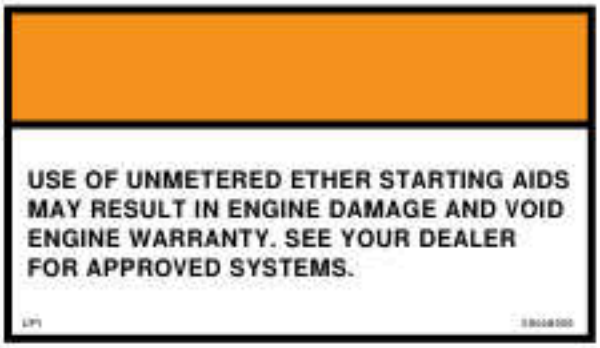
12. WARNING: Crush Area



13. WARNING: Machine Movement



14. NOTICE: Unmetered Starting



15. WARNING: Rotating Fan



MidWestTech | Bobcat VR723 Cab, VR723 Canopy, VR530C Cab, VR530C Canopy Teleha... Order the manual at mid-west-tech.com >