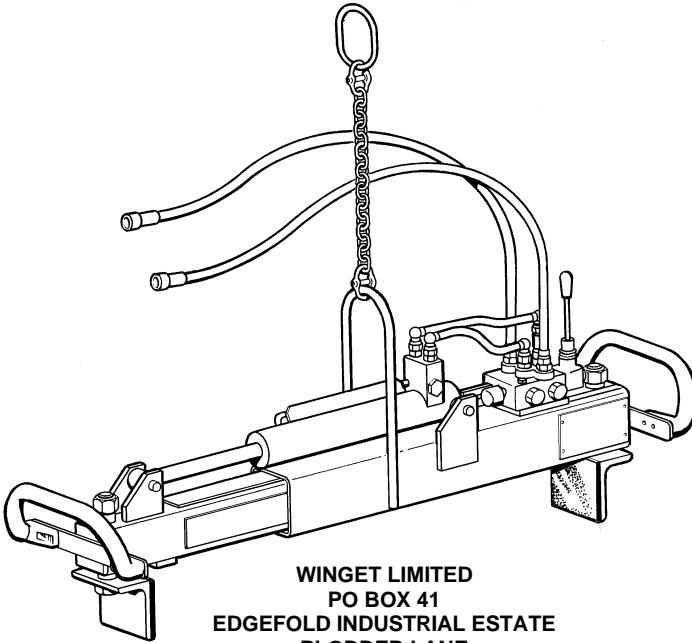


# WINGET

## OPERATORS HANDBOOK HKL275 HYDRAULIC PAVING HANDLER



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The contents of this Handbook although correct at the time of publication, may be subject to alteration by the manufacturers without notice.

Winget Limited operates a policy of continuous product development. Therefore, some illustrations or text within this publication may differ from your machine.

**WARNING:** The operator must read this handbook and be familiar with all the controls before attempting to operate this piece of equipment.

# DECLARATION OF CONFORMITY

# WINGET

WINGET LIMITED  
Registered in England No. 1977110

Registered Office:  
P.O. Box 41  
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We: WINGET LIMITED

Of P.O. Box 41 Edgefold Industrial Estate, Plodder Lane, Bolton, Lancs,  
England BL4 0LS declare that the product type:-

Machine Type:- Hydraulic Paving Handler

Model:- HKL275


Serial Number:- 1001-1999

To which this declaration relates, is in conformity with the relevant provisions  
of the following EC Directive:-

## 98/37EC

97/37/EC was formerly known as 89/392/EC as amended by 91/368/EC and  
93/68/EC

Bolton 20.12.04  
Place and date of issue

S. Hodge   
Name and signature or equivalent  
marking of authorised person.

Joint Managing Director  
Position

The above named person is also responsible for holding the Technical Documentation  
applicable to the product to which this declaration relates and may be contacted at the  
address which appears at the head of this declaration

Please take care of this document, as duplicate copies are not available.

**Winget Limited assures you that if any of the parts identified within the Parts section of this manual become defective due to faulty manufacture or materials within 6 months from the date of purchase, the part will be repaired or replaced under warranty free of charge by any authorised Winget Distributor. The equipment must be returned to the nearest Winget Distributor for repairs to be carried out. (Return to base)**

**Warranty repairs *must* be carried out by a Winget Distributor, unless prior agreement has been agreed in writing with the Warranty Department at Winget Limited.**

**This warranty is given to the first owner and may be transferred to subsequent owners for the balance of the Warranty period.**

**Winget Limited's liability only extends to the costs of repair or replacement of the faulty parts and necessary labour charges involved in the repairs. The company accepts no liability for any consequential loss, damage or injury, resulting directly or indirectly from any defect in the goods.**

**Items not covered by Warranty and considered to be the customers responsibility include normal maintenance services; replacement of service items and consumables; replacement required due to abuse, accident, misuse or improper operation; replacement of wearable items e.g. pins bushes etc.**

**The Warranty will not apply where the equipment is modified, converted, or used for purposes other than those for which it was designed, unless clearance for the modifications etc. have been granted by Winget Limited in writing.**

**The Pre-delivery Inspection & Warranty Registration Document must be completed correctly and returned to Winget Limited within 7 days of the date of sale. Failure to do so could result in any subsequent Warranty claim being rejected.**

**No claim will be considered if other than genuine Winget Limited parts, which must be obtained via an authorised Winget distributor, are used to effect a repair, or if lubricants other than those recommended by Winget Limited are used.**

**The equipment must be serviced and maintained in accordance with the service schedules laid down in this handbook by Winget Limited.**

**Evidence that these have been complied with may be required before Warranty claims are reimbursed.**

**Winget Limited have a policy of continuous product improvement and reserve the right to change specifications without notice. No responsibility will be accepted for discrepancies, which may occur between the specification of machines and the descriptions contained in publications.**

**Safety is the responsibility of all persons working with and around this piece of equipment. Think “SAFETY” at all times.**

**Any modifications to this equipment will affect its working parameters and reduce built in safety factors. Refer to Winget Limited before fitting any non-standard equipment or parts. Winget Limited accepts no responsibility for any modifications made after this equipment has left the factory, unless previously agreed in writing. Winget Limited will accept no liability for damage to property, persons or the equipment if failure is brought about due to such modifications, or fitment of spurious parts.**

***Never* use this equipment for purposes other than those for which it was designed. This equipment was designed to reduce the manual handling involved in moving loads such as Kerbstones and other Paving materials and the Safe Working Load of 275Kg should always be observed. If in doubt as to the suitability of this equipment for a particular task refer to Winget Limited.**

***Never* commence work until the daily service checks have made carried out.**

***Always* ensure you are familiar with the requirements of the PUWER- Provision of Use of Work Equipment Regulations and LOLER- Lifting Operations and Lifting Equipment Regulations before using this equipment. A Code of Practice for the Safe Use of Lifting Equipment in handy pocket size is available from the Lifting Equipment Engineers Association or via any of its member companies.**

***Always* ensure the requirement for Periodic Inspections/Examinations by a competent person is carried out and recorded.**

***Always* report faults as soon as they are discovered.**

***Always* ensure quick release couplings and hose fittings are clean before attempting to connect this equipment to the power source.**

***Always* sling this equipment from recognised tested sling points or lifting eyes using the chain provided. The safe working load of any sling point or lifting eye must exceed 275Kg**

***Never*** attempt to connect hose couplings to the power source whilst the engine is running, stop the engine, dump residual hydraulic pressure as described below connect up the hose couplings making sure a good connection is made.

***Always*** “dump” residual hydraulic pressure from the system before leaving the equipment. Lower the equipment to the ground; stop the engine, then move the hydraulic control lever several times in each direction.

***Never*** leave this equipment unattended with the load suspended always lower the equipment to the ground as soon as possible

***Never*** exceed the rated payload, this machine is designed to carry no more than 275kg with a relief valve setting of 1500 PSI (103 Bar) with a maximum hydraulic flow rate of 40 litres per minute.

***Never*** operate the hydraulic control lever once the weight of the load is clear of the ground.

***Never*** raise the load to a height more than is absolutely necessary to complete the task in hand.

***Never*** walk below or work underneath suspended loads.

***Never*** use the equipment if the rubber pads fitted to the swivelling clamps are missing or badly worn or damaged.

***Always*** take care when handling curved or irregular shaped loads as the shift in the centre of gravity may cause the equipment to tip unexpectedly, Steady the load by means of the hand grabs placed at each end of the equipment as the load is lifted clear of the ground or load bearing surface.

***Never*** attempt to lift loads using the grab handles, the grab handles are provided only as a means of steadying loads or for lifting the empty Paving Handler.

***Always*** “dump” pressure from the hydraulic system as described above before carrying out any kind of maintenance or adjustment.

***Never*** allow unqualified personnel to attempt to repair, remove or replace any part of the equipment.



***Always*** remember that loads with slippery, wet, dirty or loose surfaces can adversely affect the safe operation of this equipment. Ensure surfaces to be clamped are clean and dry.

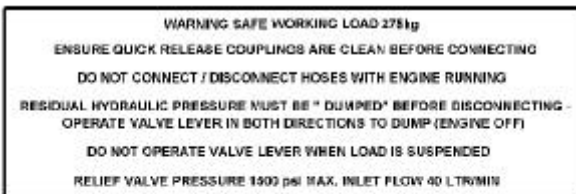
***Always*** ensure that any Warning, Safety or Advisory Decals attached to the machine are legible and clean, replace if damaged, defaced or missing.

***Lubricants and Oils*** used in this equipment can be harmful if taken internally or splashed into the eyes. In the event of accidentally swallowing oils, seek qualified medical assistance and advice.

***Never*** allow oils and lubricants to come into regular contact with skin. This can lead to serious skin diseases, including, medical evidence suggests, skin cancer. ***ALWAYS*** wear protective gloves when handling oils and lubricants whether topping up, draining or refilling. ***ALWAYS*** wash your hands if oils or lubricants come into contact with the skin.

***Always*** dispose of waste oils and lubricants into designated waste oil storage tanks. If storage tanks are not available, consult your distributor or local authority for the addresses of local designated disposal points. Improperly discarded waste oils pose a threat to wildlife. It is illegal to dispose of waste oil into drains, or water courses or to bury it. The Environment Agency have the power to impose heavy fines for breaches of the above advice.

The following warning and advisory decals are applied to the equipment and should be replaced if defaced.



**Decal Safe Working**



**Decal Read Ops Manual**

The equipment consists of an inner and outer sliding box section body with a swivelling clamp at each end mounted on the underside with a hydraulic ram, control valve and lifting eye and chain mounted on the upper surface. The control valve is protected by a relief valve and the hydraulic ram is fitted with a check valve to ensure a positive clamping force is transmitted to the load.

The supply or pressure port on the control valve is situated on the R/H side of the control valve and the tank or return port is situated on the L/H side. (When standing directly behind the valve) The ports are identified by a decals situated on the box section below the ports.

The operating lever on the control valve has three positions, forwards (towards the hydraulic ram) for 'Release or Extend', centre for 'Neutral' or 'Hold' and rearwards (away from the hydraulic ram) for 'Clamping or Close'.

The equipment will not operate until connected to a suitable power source i.e. breaker circuit on Hydraulic Mini Excavator or other suitable power pack and lifting equipment. Before connecting hoses or quick release couplings to the power source refer to the notes found under "Safe working" and do not exceed the maximum hydraulic flow rate or safe working load. Attach the lifting chain to a recognised tested sling point or lifting eye

With the power source running and the equipment correctly slung lift the unit and place over the load to be moved. Using the hydraulic control lever extend the ram until the swivelling clamps will fit over the ends of the load and lower the unit fully down onto the load. Using the hydraulic control lever close the ram until the clamps are tight against the ends of the load and release the lever to the centre or hold position. Carefully take the weight ensuring the load does not slip from within the clamps. Guide the load by means of the grab handles provided.

Move the load to the required position and lower into place on the ground or load bearing surface. Using the control lever extend the ram to release the load and lift the equipment clear. Repeat the process on the next load.

**Take care when moving the load to ensure that the hoses connected to the power source do not snag on the control valve operating lever which could cause the load to be released without warning.**

**Note: The hydraulic circuit is protected by a relief valve set to 103 Bar/1500 Psi. Continuing to hold the control lever in either the Clamping/Close or Release/Extend position will cause the relief valve located in the control valve to 'blow off' allowing the oil to return to tank. Do not continue to hold the lever in either position when the 'relief valve' blows, this will cause the hydraulic oil temperature to increase and may cause damage to components. Once the load is securely clamped or released allow the lever to return to the neutral or hold position.**

**SERVICE SCHEDULE**

**IMPORTANT;** The power source or power pack and lifting equipment will require additional daily checks, services and adjustments in addition to those listed below.

*Daily or every 10 operating hours check, or carry out the following:-*

- Condition of hydraulic hoses, quick release couplings and rubber pads
- Oil leaks, loose items and fixings
- Security and condition of lifting chain
- Hydraulic control lever for correct operation, (binding)
- Lubricate (oil) control lever pivots and linkages as necessary
- Lubricate (oil) the pivots of the swivelling clamps
- Grease the sliding box sections

*First 100 hours of operation:-*

Check the hydraulic pressure.

*Every 500 hours of operation*

- Check the hydraulic pressure
- Renew the Rubber Pads if necessary

**CHECKING HYDRAULIC PRESSURE**

**Note:-** the hydraulic pressure should only be checked by competent service personnel when any residual hydraulic pressure in the system has been 'dumped' as described under 'Safe Working'. Wear suitable gloves to protect the skin.

The hydraulic control valve is fitted with a 1/4bsp hydraulic test point. Support the equipment on a suitable surface, connect a 0-207 bar (0-3000 psi) test gauge to the test point. Start the power source and operate the control lever to close the hydraulic ram noting the pressure that the relief valve "blows off". The correct pressure is 103 bar (1500 psi). Release the control lever to the central or neutral position. The relief valve adjusting screw is protected by a screw on cap which should be removed to gain access to the adjusting screw, do not loose the copper sealing washer.

**To reduce the pressure, the adjuster should be screwed out of the relief valve, to increase pressure the adjuster should be screwed into the valve. Adjustments should be made in small increments with the pressure checked following each adjustment. Once the pressure is correct the cap and washer should be refitted.**

**Stop the power source, disperse any residual hydraulic pressure as described under “Safe Working” and remove the gauge fitting the blanking cap to the test point.**

**DIMENSIONS**

<b>A Overall length (Fully Extended)</b>	<b>1290mm</b>
<b>B Overall length (Fully Closed)</b>	<b>1035mm</b>
<b>C Overall length (Between Clamps Fully Extended)</b>	<b>973mm</b>
<b>D Overall length (Between Clamps Fully Closed)</b>	<b>718mm</b>
<b>E Overall Width</b>	<b>300mm</b>
<b>F Overall Height</b>	<b>475mm</b>

**Unladen weight** **48kg**

**LUBRICANTS (Total Fina)**

**Grease** **Multis EP2**

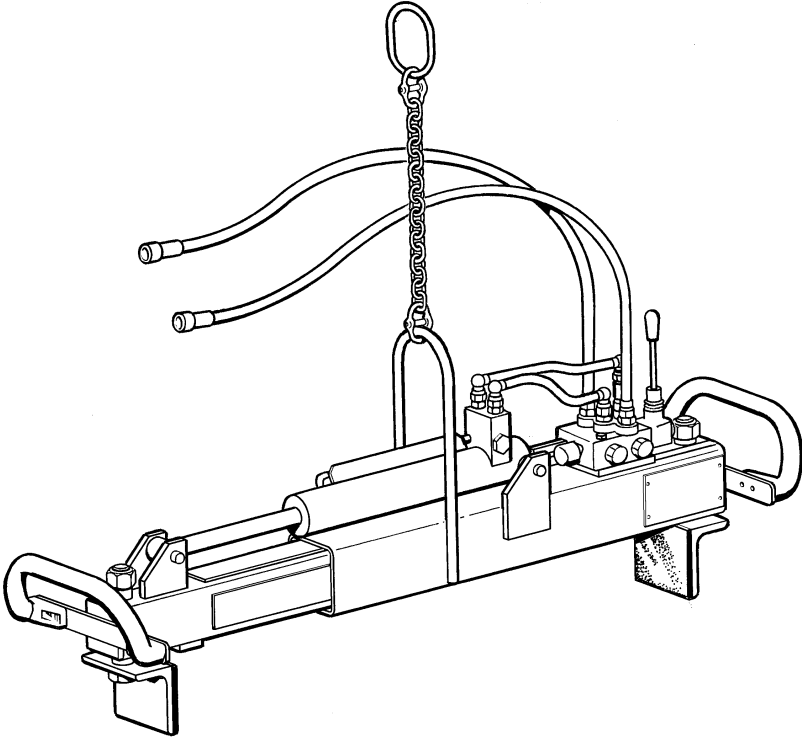
**General lubricating oil (pivot pins)** **Rubia B20W/30**

**PRESSURES**

**Hydraulic Pressure** **103 Bar (1500psi)**

**MAXIMUM PAYLOAD CAPACITY**

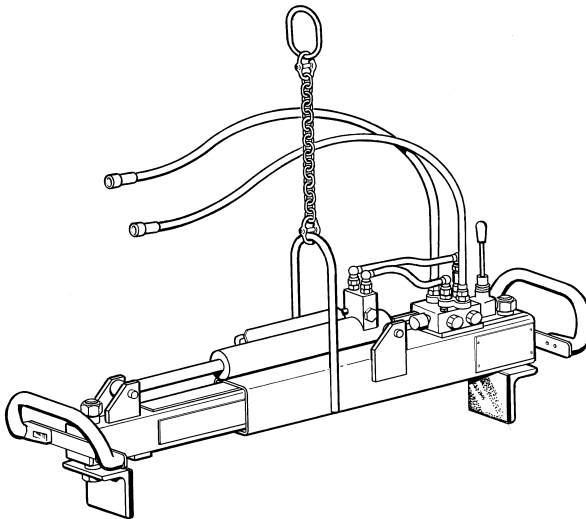
**@103 Bar (1500 psi) 40 litres per min max flow** **275kgs**



# PARTS SECTION

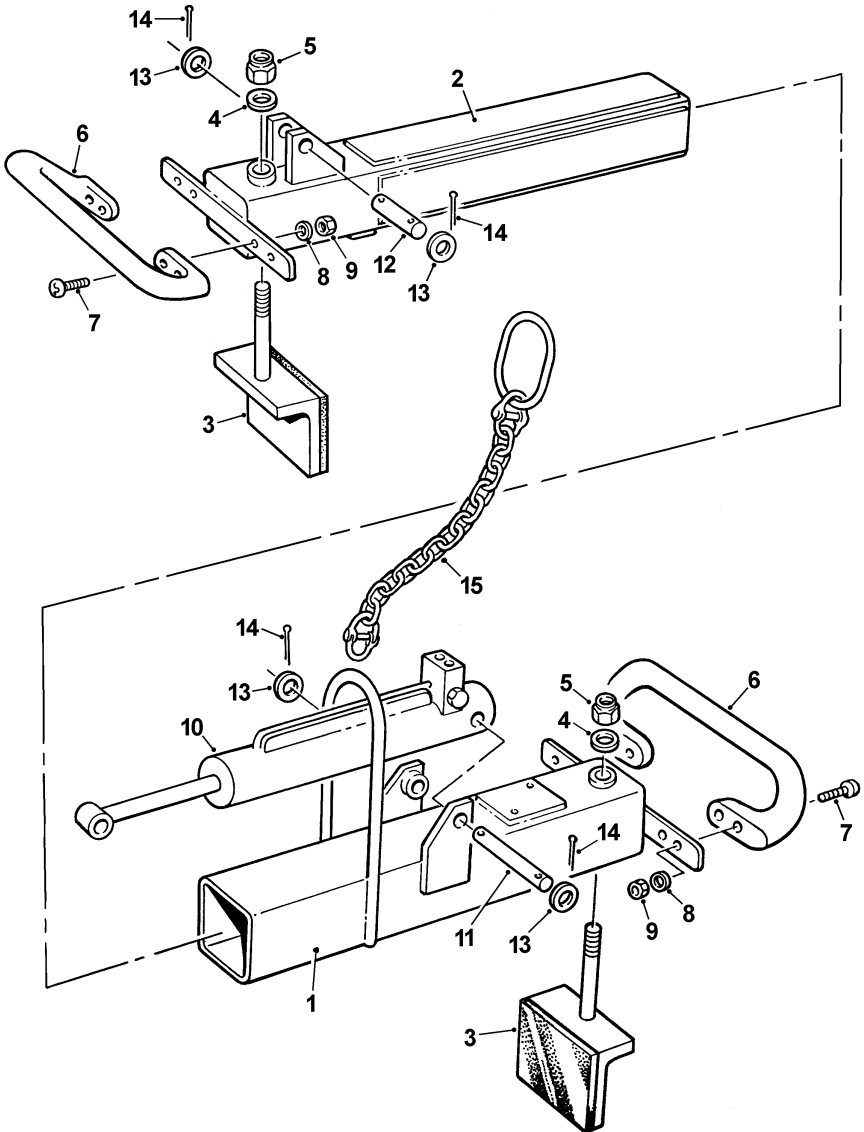
# Parts

<b>Main assembly</b>	<b>A - 1</b>
<b>Hydraulics</b>	<b>B - 1</b>
<b>Ram</b>	<b>B - 2</b>
<b>Decals</b>	<b>C - 1</b>



HKL 275

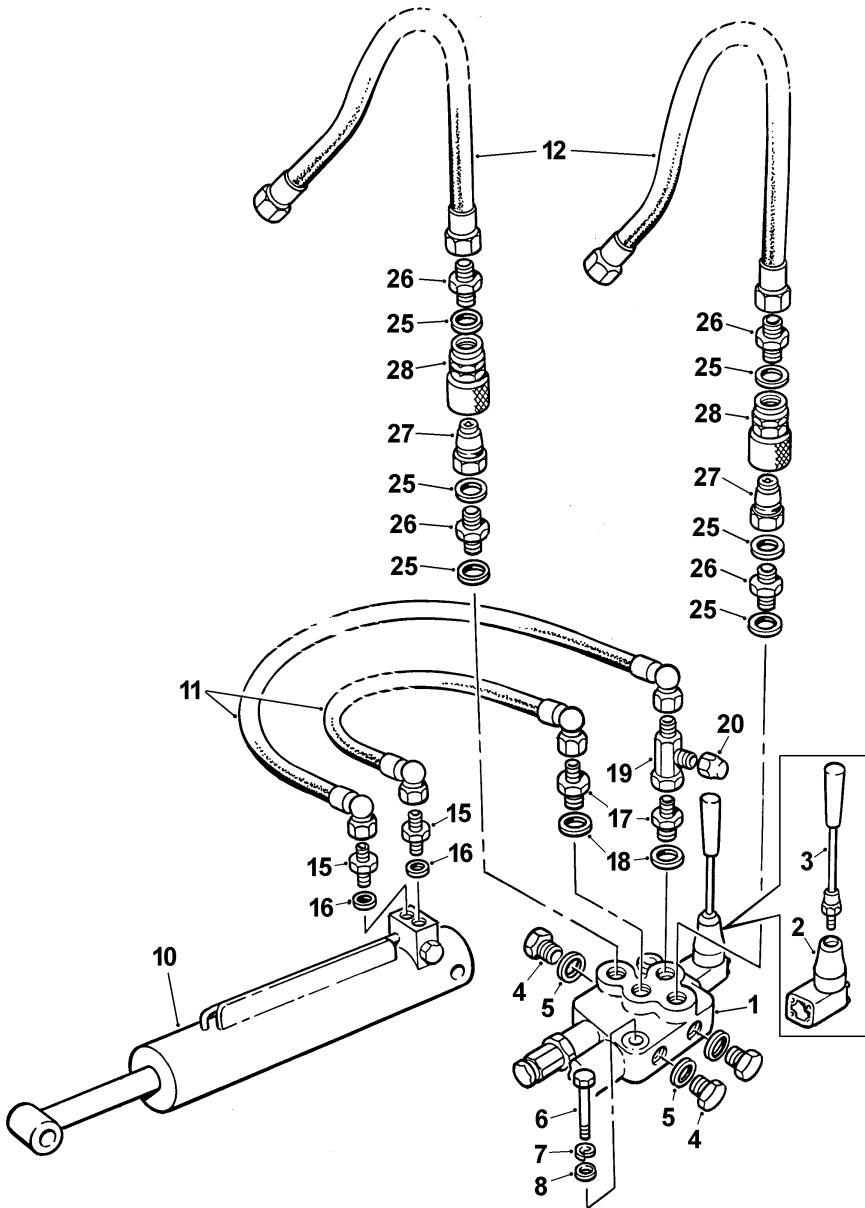




# MAIN ASSEMBLY

A - 1

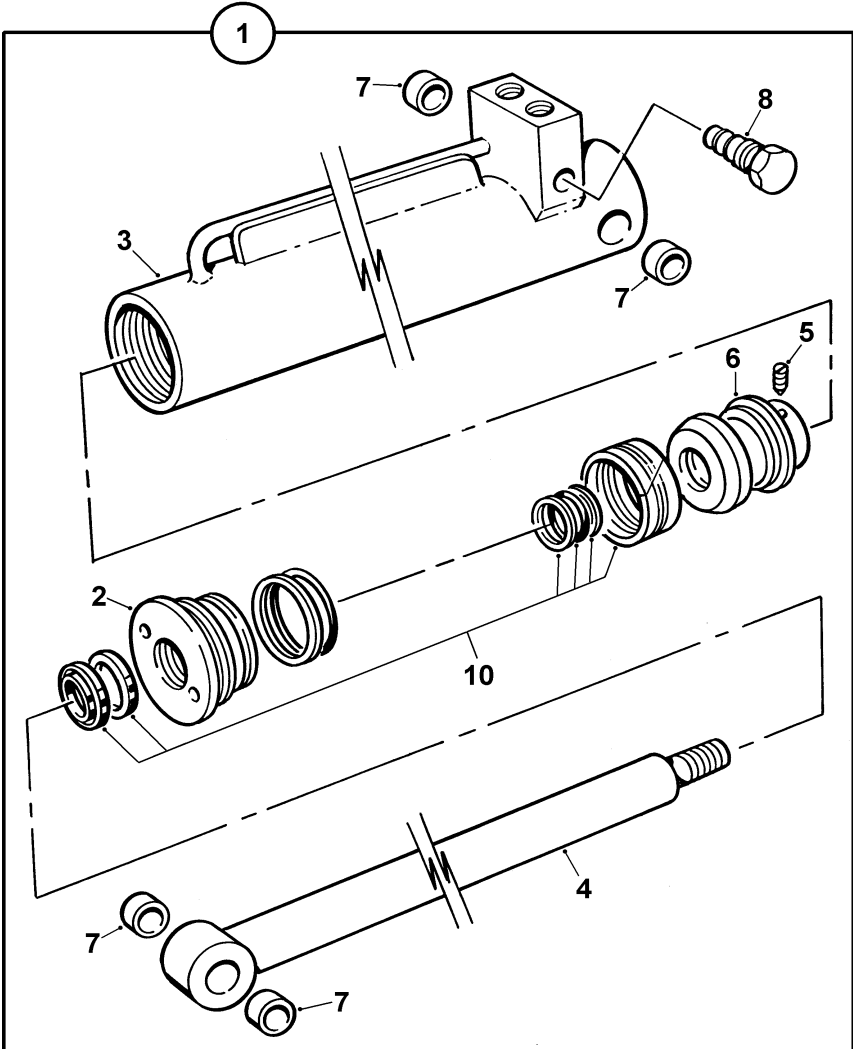
Item	Part no	Serial no	Description	Qty
1	V2005590		BOX, outer	1
2	V2005592		BOX inner	1
3	V2005594		ANGLE, clamping	2
4	267S12		WASHER, flat	2
5	59S07		NUT, 'Nyloc' self locking	2
6	V602410		HANDLE	2
7	301S04F		SCREW, button headed socket	8
8	267S04		WASHER, flat	8
9	61S02		NUT, 'Binx' self locking	8
10	.....		RAM, <i>see page B-1</i>	1
11	V2005342		PIN, ram body	1
12	V2005341		PIN, ram rod	1
13	267S08		WASHER, flat	4
14	44S16J		PIN, split	4
15	V2005627		CHAIN, assembly	1



# HYDRAULICS

# B - 1

Item	Part no	Serial no	Description	Qty
1	V2005357		VALVE, control	1
2	V603583		HANDLE BODY	1
3	V603573		HANDLE c/w NUT & KNOB	1
.....	V603582		VALVE, relief ( <i>not illustrated</i> )	1
.....	V603581		KIT, seals ( <i>not illustrated</i> )	1
4	.....		PLUG, blanking	4
5	100S03		SEAL, bonded	4
6	8S03F		BOLT	2
7	17S04		WASHER, spring	2
8	267S05		WASHER, flat	2
10	.....		RAM, <i>see page B-2</i>	1
11	53S01W		HOSES, ram to control valve	2
12	25S02N		HOSES, supply/return	2
15	122S02		ADAPTOR, male/male	2
16	100S02		SEAL, bonded	2
17	119S03		ADAPTOR, male/male	2
18	100S03		SEAL, bonded	2
19	154S01		FITTING, 'Tee'	1
20	120S01		CAP, blanking	1
25	100S03		SEAL, bonded	6
26	122S03		ADAPTOR, male/male	4
27	160S01P		COUPLING, male, quick release	2
28	160S01C		COUPLING, female, quick release	2



# RAM

**B - 2**

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<b>Item</b>	<b>Part no</b>	<b>Serial no</b>	<b>Description</b>	<b>Qty</b>
1	V2005624		RAM, clamp, assembly	1
2	V603576		GLAND, cylinder	1
3	V603627		CYLINDER, ram	1
4	V603578		ROD, piston	1
5	V603579		SCREW, grub	1
6	V603580		PISTON	1
7	V603013		BUSH	4
8	V603628		VALVE, check, pilot operated	1
10	V603574		KIT, seals	1



4

WARNING SAFE WORKING LOAD 275kg

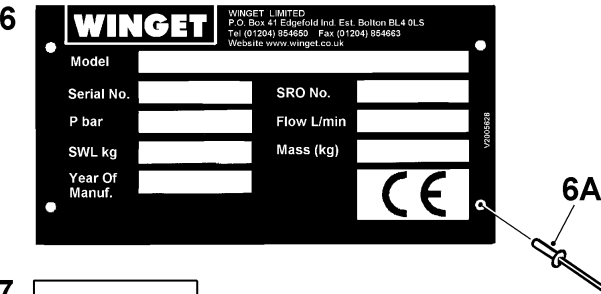
ENSURE QUICK RELEASE COUPLINGS ARE CLEAN BEFORE CONNECTING

DO NOT CONNECT / DISCONNECT HOSES WITH ENGINE RUNNING

RESIDUAL HYDRAULIC PRESSURE MUST BE "DUMPED" BEFORE DISCONNECTING - OPERATE VALVE LEVER IN BOTH DIRECTIONS TO DUMP (ENGINE OFF)

DO NOT OPERATE VALVE LEVER WHEN LOAD IS SUSPENDED

RELIEF VALVE PRESSURE 1500 psi MAX. INLET FLOW 40 LTR/MIN



7

HYDRAULIC OIL SUPPLY

8

HYDRAULIC OIL RETURN

# DECALS

C - 1

Item	Part no	Serial no	Description	Qty
1	V2004636		DECAL, Winget	2
2	V2003598		DEAL, British made	2
3	V2004229		DEACAL, operator's handbook	2
4	V2005623		DECAL, warning, safe working load	1
5	V2005625		DECAL, release/clamp	1
6	V2005626		PLATE, serial number	1
6A	101S05D		RIVET, pop	4
7	V2005628		DECAL, hydraulic oil supply	1
8	V2005629		DECAL, hydraulic oil return	1



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