



INSTRUCTIONS FOR: **FIXED FRAME CRANE**

Models: **WD10, WD15, WD20 & WD25.**

Thank you for purchasing a Sealey product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

⚠ IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY, AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ✓ Keep crane, and lifting slings, support and beams in good working order and condition. Follow the inspection requirements as described in chapter 5. *Take immediate action to repair or replace damaged parts by contacting your supplier. Ensure that all accessory lifting devices are suitably certified. If crane is damaged immediately remove from service.*
- ✓ Ensure the surface on which the crane is used is level and firm, being capable of sustaining the crane and the maximum load. Never use crane on tarmacadam or on soft surfaces.
- ✓ Ensure the crane jib extension is locked in fixed jib position by means of the lock split pin.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Keep working area clean and tidy, and free from unrelated materials, and ensure that the work area has adequate lighting.
- ✓ Ensure that load does not exceed the crane's maximum lifting capacity. Overloading the crane is dangerous. Where appropriate, use only the lifting points recommended by the manufacturer of the item to be lifted, i.e. vehicle engine.
- ✓ Before lifting the load ensure the crane jib is lowered to the lowest possible position, and ensure there are no obstacles which may snag the load whilst being lifted, and that the area above the jib is clear.
- x Do not apply any sideways pressure to the crane during lifting or suspension of load.
- ✓ To avoid injury, be fully aware of your own and other persons location in relation to the lifting, and lowering of the load.
- ✓ Keep a sound footing and balance, and ensure floor is not slippery.
- ✓ Ensure the centre of gravity always remains inside the crane base.
- x Do not harness the load to be lifted at an angle, and do not allow the load to swing during lifting.
- x Do not allow load to drop suddenly. Lower load with care and ensure you are fully aware of surface condition onto which load is to be lowered.
- x Do not operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
- x Do not load beyond rated capacity for each specified jib position as indicated in chapter 2. The capacity of crane reduces as jib is extended.
- x Do not position any part of your body beneath the load, and do not climb on the crane.
- x Do not use the crane to move or transport a load around the workshop. The crane is a lifting device only.
- x Do not attempt to adjust the safety valve, as this has been set and sealed by the manufacturer.
- x Do not use this product to perform a task for which it has not been designed.
- x Do not use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✓ When not in use, store the crane in a safe, dry, childproof, area.

WARNING: Failure to heed safety and warning instructions may result in damage/personal injury, and will invalidate the warranty.

2. SPECIFICATIONS

MODEL	WD10	WD15	WD20	WD25	MODEL	WD10	WD15	WD20	WD25
Max. lift @ min. jib extension: mm	.2260	.2260	.2340	.2340	Lifting capacity, Position 1: kg	.1100	.1500	.2000	.2500
Max. lift @ max. jib extension: mm	.2540	.2540	.2630	.2630	Lifting capacity, Position 2: kg	.1000	.1400	.1900	.2300
Height (max) of frame: mm	.160	.160	.160	.160	Lifting capacity, Position 3: kg	.900	.1300	.1800	.2100
Length (max) of frame: mm	.1750	.1750	.1750	.1750	Lifting capacity, Position 4: kg	.800	.1200	.1700	.1900
Overall height: mm	.1690	.1710	.1850	.1850	Lifting capacity, Position 5: kg	.700	.1100	.1600	.1700
Width (max) of frame: mm	.1000	.1000	.1020	.1020	Length of jib, Position 1: mm	.1210	.1210	.1210	.1210
Width inside frame (max): mm	.820	.820	.840	.840	Length of jib, Position 2: mm	.1315	.1315	.1315	.1315
Distance between rear wheel centres: mm	.600	.600	.580	.580	Length of jib, Position 3: mm	.1420	.1420	.1420	.1420
Weight: kg	.162	.170	.250	.255	Length of jib, Position 4: mm	.1525	.1525	.1525	.1525
					Length of jib, Position 5: mm	.1630	.1630	.1630	.1630

3. ASSEMBLY & PRIMING

Unpack the product and check contents. Should there be any damaged or missing parts contact your supplier immediately.

3.1. ASSEMBLY

To identify item numbers refer to the parts diagram.

- 3.1.1. Oil moving parts and grease end of pump piston (8) and ball joint of hydraulic unit (6).
- 3.1.2. Assemble wheels (19) in base frame (4) with axles (8) and secure with circlips (15).
- 3.1.3. Assemble pivot wheels (21) to frame (4) with bolts (18) passed through washers (11) and secured with nuts (10).
- 3.1.4. Carefully seat and steady the mast (3) on frame (4) and secure with the six bolts (22), washers (12) and nuts (23).
- 3.1.5. Mount main jib (2) on the mast by passing axle (9) through head and securing with circlips (16). Fix the hydraulic unit (6) to jib (2) with pin (5) secured with circlips (14).
- 3.1.6. Slide the extension jib (1) into the main jib (2) and secure with pin (7), circlips (17) and (13). Fix knob (20) onto the end. Check that all parts are correctly secured, complete and not damaged. If you have a problem contact your supplier immediately.

3.2. PRIMING THE UNIT

Before first use it is necessary to prime the hydraulic system as follows:

- 3.2.1. Open hydraulic valve by turning to left and then pump the unit 10-20 times. This will flush hydraulic system and purge any air that may have entered during transit.
- 3.2.2. Pull crane jib up slightly, close valve and pump the handle. The jib will now rise. Pump the jib all the way up once and lower it again. (this will confirm acceptable oil level). The crane is now ready.

4. OPERATING INSTRUCTIONS

☐ WARNING! Ensure you have read and understood SECTION 1 SAFETY INSTRUCTIONS AND SECTION 3 has been successfully performed before using the crane. Before each use check for leaks, damage, loose or missing parts, if suspect do not use.

- 4.1. Pump the handle. Jib will move, continue to pump until jib reaches appropriate height at which load may be secured.
- 4.2. Connect the crane hook to the load using a suitable certified sling or support beam. Ensure you are aware of the load weight, and check it is within the capacity of the crane at the jib extension you are using. When removing engines ensure you know the weight you are lifting. Use only lifting points recommended by the vehicle manufacturer.
- 4.3. Lift only directly above the load. **☐ WARNING! DO NOT LIFT THE LOAD AT AN ANGLE!**
- 4.4. To lower load, position handle on release valve and turn *VERY slowly* anti-clockwise. Crane is fitted with a 'dead man' control that only permits the load to be lowered while your hand is holding the release valve open.
- 4.5. The crane is not a transportation device but may be used to reposition the load ready for working on. To do so, lower the load and jib to the lowest possible point before attempting to move. Do not attempt to move in a sideways direction. The crane is not designed to sustain the load indefinitely. When you have positioned the load for working, fully lower the load onto a secure and appropriate working base, being fully aware of your own and other persons location in relation to the lowering load.
- 4.6. When the load has been successfully lowered and secured, remove the securing harnesses etc. and place the crane in an appropriately safe location having ensured the lifting beam and pistons are fully retracted.

5. MAINTENANCE

NOTE: The crane **MUST** be maintained in accordance with these instructions.

- 5.1. Always keep the crane clean and dry.
- 5.2. Oil all working parts monthly.
- 5.3. The ram is filled with oil and should only require occasional topping up. For the occasional top up *DO NOT use brake fluid* as this will damage the hydraulic seals, proceed as follows:
 - a) Use only good quality hydraulic jack oil available from your Sealey dealer.
 - b) Fully lower the jib extension arm.
 - c) **DO NOT OVERFILL** as this will cause failure.
 - d) After filling with hydraulic oil, pump the crane up to its full height and pour off any excess oil.
- 5.4. **Inspection of crane before use**
 - 5.4.1. Before each use of the crane you must make a visual inspection for leaks, damage, loose or missing parts.
 - 5.4.2. The workshop crane must be inspected immediately if it has been subject to an abnormal load or shock. It is recommended that such an inspection is made by the supplier's authorised service agent.
 - 5.4.3. The owner and/or operators must be aware that repair of this equipment will require specialised knowledge and facilities. It is recommended that an annual inspection of the workshop crane is made through the supplier's authorised service agent.
- 5.5. Storage: Always store the crane fully closed so that the jib is in its lowest position, and the ram is closed.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THE MACHINE.

Hydraulic products are only repaired by local service agents. We have service/repair agents in all parts of the UK. DO NOT RETURN PRODUCT TO US. Please telephone us on 01284 757500 to obtain the address and phone number of your local agent. If product is under guarantee please contact your dealer.

6 OWNER'S & OPERATOR'S RESPONSIBILITIES

The owner and/or operator shall study product instructions and retain them for future use.

6.1. Understanding Instructions & Warnings

The owner and/or operator shall understand the product operating instructions and warnings before operating the crane. Warning information must be emphasised and understood. If operator is not fluent in English, the product instructions and warnings must be read to and discussed with the operator in the operator's native language by the purchaser/owner, making sure the operator understands its content.

6.2. Damaged cranes

Any crane which appears to be damaged, badly worn, or operates abnormally **MUST BE REMOVED FROM SERVICE!** It is recommended that necessary repairs be made by the supplier's authorised service agent.

6.3. End of crane's serviceable life

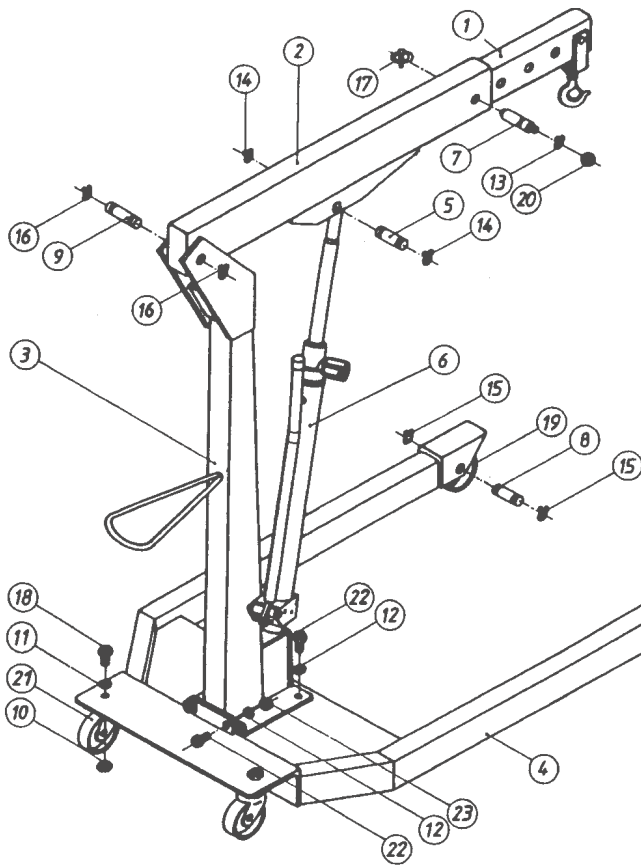
Through years of normal wear, the crane will eventually come to the end of its safe serviceable life. If, and when, this happens ensure the hydraulic oil is drained off and disposed of in accordance with local authority regulations.

6.4. Test Certificate

According to requirements of the UK Health and Safety Executive, a test certificate is packed with crane. The test certificate is valid for one year from date of first placing the crane into use. Your insurance company will want to have a copy of the test certificate for their file. Additional copies of the test certificate can be purchased within one year of the date of supply. If you need a copy, please ask your dealer. After one year your insurance company has the right to request a re-test of the crane. This is a chargeable service and can be obtained by contacting companies listed under "Lifting Gear" in Yellow Pages.

CRANE GUARANTEE

Your crane is guaranteed for one year from the date of purchase. The Guarantee does not cover faults caused by incorrect use, lack of maintenance, accidental damage, or damage caused to third parties through misuse. You are recommended to inform your insurers and check that adequate cover is in place. Warranty claims must be supported by a copy of the dated receipt for goods.



MODELS: WD10		
1	100/1700500	EXTENSION JIB
2	100/1800200	MAIN JIB
3	100/1900300	MAST
4	100/1900400	BASE FRAME
5	100/1700700	AXLE JIB/CYLINDER
6	100/9060000	HYDRAULICS UNIT
7	100/1000600	HANDBOLT
8	100/1100800	AXLE
9	100/1100900	AXLE
10	100/02005	NUT
11	100/02121	WASHER PLATE
12	100/02123	WASHER PLATE
13	100/02203	CIRCLIP
14	100/02204	CIRCLIP
15	100/02205	CIRCLIP
16	100/02207	CIRCLIP
17	100/02240	RING SPLIT
18	100/02321	BOLT
19	100/02353	WHEEL 150mm
20	100/02380	BAKELITE BALL
21	100/02449	CASTER WHEEL
22	100/02458	BOLT M16x2.0x45mm
23	100/02460	NUT
	WD10/RK	REPAIR KIT (0901600)
	100/02236	PIN

MODELS: WD15		
1	100/1900100	EXTENSION JIB
2	100/1900200	MAIN JIB
3	100/1900300	MAST
4	100/1900400	BASE FRAME
5	100/1700700	AXLE JIB/CYLINDER
6	100/9061000	HYDRAULICS UNIT
7	100/1000600	HANDBOLT
8	100/1100800	AXLE
9	100/1100900	AXLE
10	100/02005	NUT
11	100/02121	WASHER PLATE
12	100/02123	WASHER PLATE
13	100/02203	CIRCLIP
14	100/02204	CIRCLIP
15	100/02205	CIRCLIP
16	100/02206	CIRCLIP
17	100/02240	RING SPLIT
18	100/02321	BOLT
19	100/02353	WHEEL 150mm
20	100/02380	BAKELITE BALL
21	100/02449	CASTER WHEEL
22	100/02458	BOLT M16x2.0x45mm
23	100/02460	NUT
	WD10/RK	REPAIR KIT (0901600)
	100/02236	PIN

MODELS: WD20		
1	100/2100100	EXTENSION JIB
2	100/2100200	MAIN JIB
3	100/1900300	MAST
4	100/2100400	BASE FRAME
5	100/2100500	AXLE JIB/CYLINDER
6	100/9061500	HYDRAULICS UNIT
7	100/1100700	HANDBOLT
8	100/1100800	AXLE
9	100/1300900	AXLE
10	100/02002	NUT
11	100/02116	WASHER PLATE
12	100/02123	WASHER PLATE
13	100/02205	CIRCLIP
14	100/02205	CIRCLIP
15	100/02205	CIRCLIP
16	100/02206	CIRCLIP
17	100/02240	RING SPLIT
18	100/02323	BOLT
19	100/02353	WHEEL 150mm
20	100/02380	BAKELITE BALL
21	100/02459	CASTER WHEEL
22	100/02458	BOLT M16x2.0x45mm
23	100/02460	NUT
	WD20/RK	REPAIR KIT (0902700)
	100/02236	PIN

MODELS: WD25		
1	100/2100100	EXTENSION JIB
2	100/2100200	MAIN JIB
3	100/1900300	MAST
4	100/2100400	BASE FRAME
5	100/2100500	AXLE JIB/CYLINDER
6	100/9062500	HYDRAULICS UNIT
7	100/1100700	HANDBOLT
8	100/1100800	AXLE
9	100/1300900	AXLE
10	100/02002	NUT
11	100/02116	WASHER PLATE
12	100/02123	WASHER PLATE
13	100/02205	CIRCLIP
14	100/02205	CIRCLIP
15	100/02205	CIRCLIP
16	100/02206	CIRCLIP
17	100/02240	RING SPLIT
18	100/02323	BOLT
19	100/02353	WHEEL 150mm
20	100/02380	BAKELITE BALL
21	100/02459	CASTER WHEEL
22	100/02458	BOLT M16x2.0x45mm
23	100/02460	NUT
	WD20/RK	REPAIR KIT (0902700)
	100/02236	PIN

Original Date:- 050899
 Issue Date:- 050899
 Version No.:- 1
 Date Modified:- 1st issue

Fixed Frame Crane

Models WD10, WD15, WD20 & WD25

98/37/EC, Docks regulations 1934 18a, 22a, EN292-2

Model No:
 Serial No:
 Batch No:

Declaration of Conformity

We, the sole importer into the UK, declare that the products listed here are in conformity with the following standards and directives



The construction files for these products are held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

Signed by Mark Sweetman

1st September 1999

For Jack Sealey Ltd.
 Sole importer into the UK
 of Sealey Quality Machinery.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this equipment

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



Sole UK Distributor
 Sealey Group,
 Bury St. Edmunds, Suffolk.



01284 757500



01284 703534

E-mail: sales@sealey.co.uk



Test Certificate No:

HEALTH AND SAFETY EXECUTIVE

Health & Safety at Work Act 1974. Docks Regulations 1934, regulations 18(a) & 22(a) SR & O 1934 No 279.

Form prescribed by the Secretary of State for

CERTIFICATE OF TEST AND EXAMINATION OF CRANES OR HOISTS AND THEIR ACCESSORY GEAR, BEFORE BEING TAKEN INTO USE.

MODEL NUMBER, DESCRIPTION OF CRANE OR HOIST AND SERIAL NO (IF ANY).	FOR JIB CRANES, RADIUS AT WHICH THE PROOF LOAD WAS APPLIED	SAFE WORKING LOAD (FOR JIB CRANES AT RADIUS SHOWN)	PROOF LOAD APPLIED
FIXED FRAME CRANE FOR VEHICLE ENGINE REMOVAL PURPOSES MODEL NUMBER: WD10 SERIAL NUMBER: <input type="text"/>	MM	KG	KG
	1210	1100	1650
	1315	1000	1500
	1420	900	1350
	1525	800	1200
	1630	700	1050

MODEL NUMBER, DESCRIPTION OF CRANE OR HOIST AND SERIAL NO (IF ANY).	FOR JIB CRANES, RADIUS AT WHICH THE PROOF LOAD WAS APPLIED	SAFE WORKING LOAD (FOR JIB CRANES AT RADIUS SHOWN)	PROOF LOAD APPLIED
FIXED FRAME CRANE FOR VEHICLE ENGINE REMOVAL PURPOSES MODEL NUMBER: WD15 SERIAL NUMBER: <input type="text"/>	MM	KG	KG
	1210	1500	2250
	1315	1400	2100
	1420	1300	1950
	1525	1200	1800
	1630	1100	1650

MODEL NUMBER, DESCRIPTION OF CRANE OR HOIST AND SERIAL NO (IF ANY).	FOR JIB CRANES, RADIUS AT WHICH THE PROOF LOAD WAS APPLIED	SAFE WORKING LOAD (FOR JIB CRANES AT RADIUS SHOWN)	PROOF LOAD APPLIED
FIXED FRAME CRANE FOR VEHICLE ENGINE REMOVAL PURPOSES MODEL NUMBER: WD20 SERIAL NUMBER: <input type="text"/>	MM	KG	KG
	1210	2000	3000
	1315	1900	2850
	1420	1800	2700
	1525	1700	2550
	1630	1600	2400

MODEL NUMBER, DESCRIPTION OF CRANE OR HOIST AND SERIAL NO (IF ANY).	FOR JIB CRANES, RADIUS AT WHICH THE PROOF LOAD WAS APPLIED	SAFE WORKING LOAD (FOR JIB CRANES AT RADIUS SHOWN)	PROOF LOAD APPLIED
FIXED FRAME CRANE FOR VEHICLE ENGINE REMOVAL PURPOSES MODEL NUMBER: WD25 SERIAL NUMBER: <input type="text"/>	MM	KG	KG
	1210	2500	3750
	1315	2300	3450
	1420	2100	3150
	1525	1900	2850
	1630	1700	2550

Company conducting the test:

This test was commissioned by Jack Sealey Limited, Kempson Way, Suffolk Business Park, Bury St Edmunds, Suffolk, 1P32 7AR and was undertaken by AC Hydraulic, the manufacturer of the product in Denmark and the holder of the construction file. This certificate is signed by the Chief Engineer for the manufacturer.

We hereby certify that the Crane or Hoist and accessory gear covered by this test certificate has been tested to 50% overload and the safety valve has been set at the rated working capacity. This product was manufactured in the E.E.C. and product liability insurance is in effect within the U.K. through Chubb Insurance Company Policy Number 35320541.

Engineer Conducting Test:.....Chief Engineer

Date:.....