



INSTRUCTIONS FOR:

FIXED FRAME CRANES

MODELS: WD102.V2, WD152.V2, WD202.V2

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.

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2. GENERAL

2.1 Identification

Supplier: Sealey Power Products,
Kempson Way,
Suffolk Business Park,
Bury St. Edmunds,
Suffolk, IP32 7AR.

Model No: WD102.V2, WD152.V2, WD202.V2

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 product.

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

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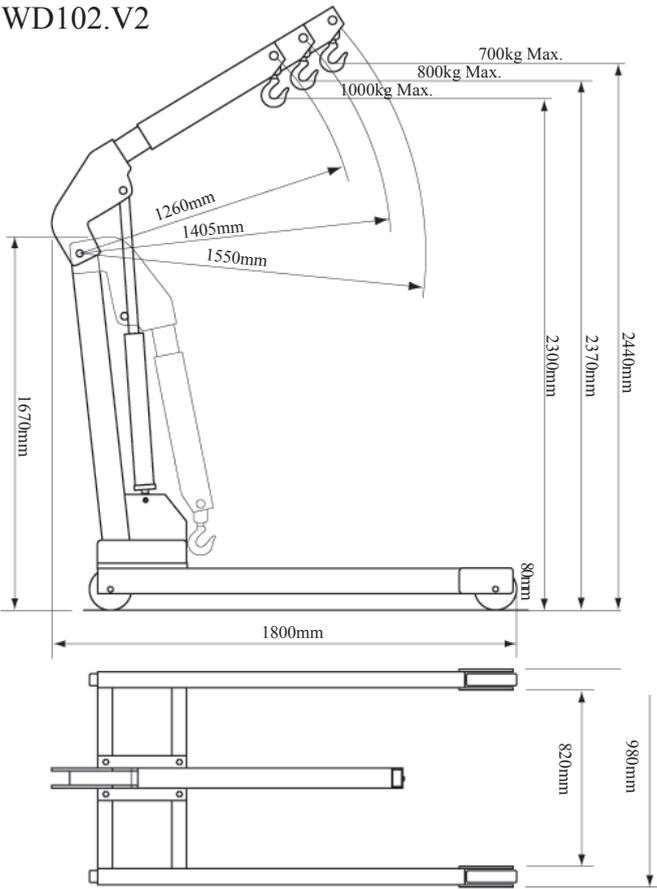


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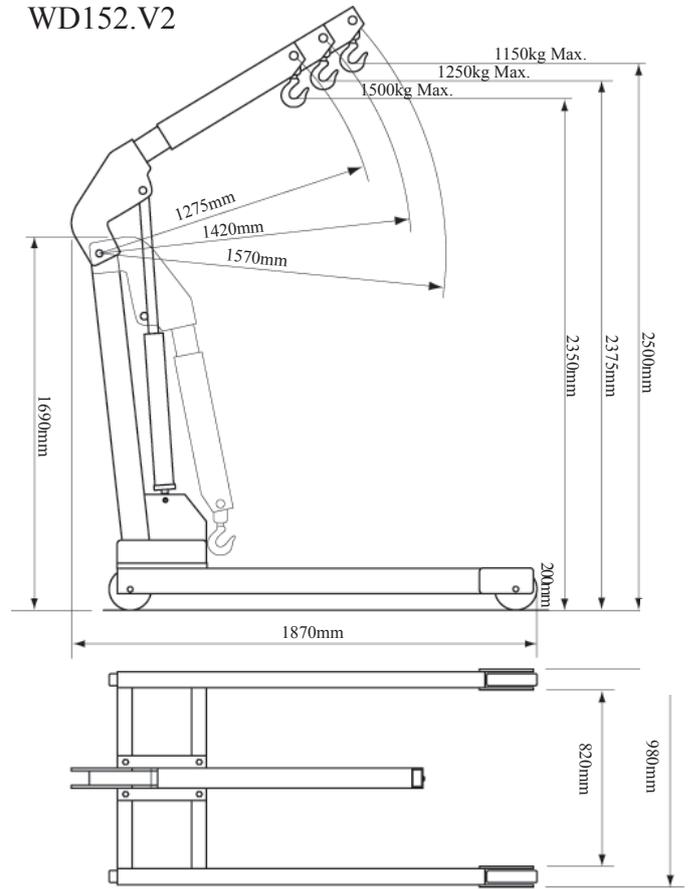
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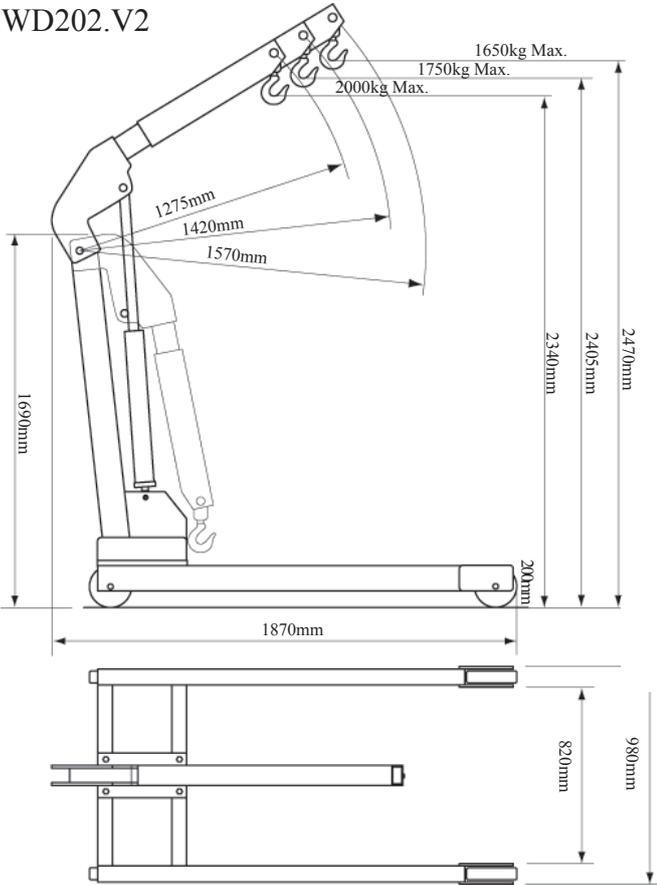
WD102.V2



WD152.V2



WD202.V2



2.2 Technical Data

Rated Capacity

WD102.V2 Safe Working Load (SWL) 1t (tested to 50% overload).

Working Load Limit (WLL) 1t (tested to 50% overload).

WD152.V2

Safe Working Load (SWL) 1.5t (tested to 50% overload).

Working Load Limit (WLL) 1.5t (tested to 50% overload).

WD202.V2

Safe Working Load (SWL) 2t (tested to 50% overload).

Working Load Limit (WLL) 2t (tested to 50% overload).

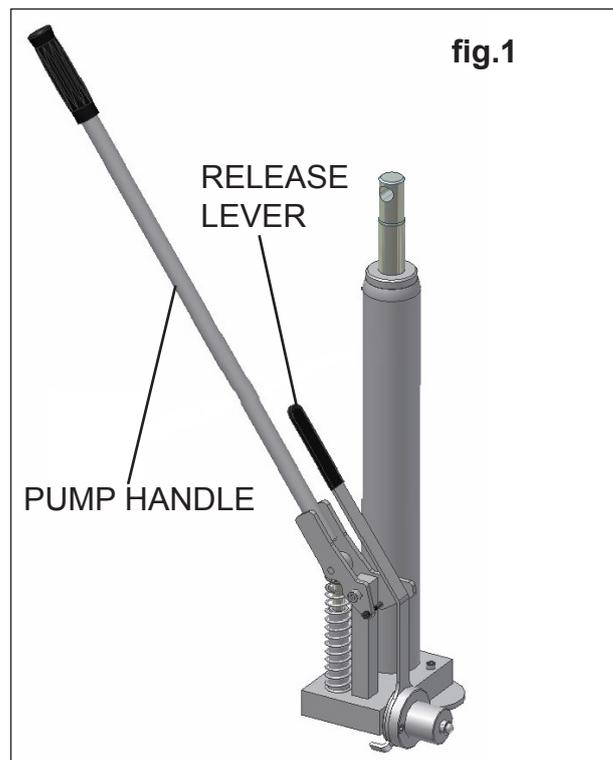
MODEL	WD102	WD152	WD202
Overall height: mm	1670	1690	1690
Max. lift @ min. jib extension: mm	2300	2350	2340
Max. lift @ max. jib extension: mm	2440	2500	2470
Length (max) of frame: mm	1800	1870	1870
Width inside frame (max): mm	820	820	820
Width (max) of frame: mm	980	980	980
Height (max) of frame base: mm	80	200	200
Weight: kg	130	150	180
Length of jib,mm	1260	1275	1275
Length of jib,mm	1405	1420	1420
Length of jib,mm	1550	1570	1570
Lifting capacity, Position 1: kg	1000	1500	2000
Lifting capacity, Position 2: kg	800	1250	1750
Lifting capacity, Position 3: kg	700	1150	1650

- a) Design Capability: Test Load 50% overload.
- b) For a description of in-service and out-of-service conditions see section 3 Safety, Section 4 Maintenance and Section 6.
- c) **DO NOT** operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
- d) For applications see Section 3 Safety.
- e) For control system, see Fig.1 page 3 for release valve and pump handle assy. Usage is explained in Section 3.2 Operation.
- f) For ground condition requirements, see Section 3 Safety.
- g) For information on parts and materials requiring specialised repair techniques see Section 4 Maintenance.

3. SAFETY/OPERATING INSTRUCTIONS

3.1 SAFETY

- 3 **Keep** crane, lifting slings, support and beams in good working order and condition. Follow the inspection requirements as described in Section 4 page 4 Maintenance. *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, remove from service immediately.*
- 3 **Ensure the surface on which the crane is used is level, firm and capable of supporting the weight of the crane with maximum load - we recommend concrete. Never use the crane on tarmacadam or other soft surfaces.**
- 3 **Ensure** the crane legs and arms are locked before use.
- 3 **Keep** children and unauthorised persons away from the working area.
- ✓ Ensure the jib extension always lies flat on the arm with the head of the alignment bolt showing through one of the three holes provided.
- 3 **Keep** working area clean and tidy, free from unrelated materials and ensure that there is adequate lighting.
- 3 **Ensure** that load does not exceed the maximum lifting capacity of the crane. Overloading the crane is dangerous. Where appropriate, use only the lifting points recommended by the manufacturer of the item to be lifted, e.g. vehicle engine.
- 3 **Before** lifting the load ensure that the crane jib is in the lowest practical position, that there are no obstacles which may snag the load whilst it is being lifted and that the area above the jib is clear.
- 3 **To** avoid injury, be fully aware of your own and other persons locations in relation to the lifting, and lowering, of the load.
- 3 **Keep** a sound footing and balance, and ensure the floor is not slippery.
- 3 **Ensure** jib extension locking bolt and nut are in position before lifting.
- 3 **Ensure** the centre of gravity always remains inside the crane base.
- x **DO NOT** operate the hydraulic power unit beyond its maximum stroke as indicated on the label.
- 7 **DO NOT** harness the load at an angle or use any attachments not verified as fit for purpose.
- 7 **DO NOT** allow the load to swing during lifting.
- 7 **DO NOT** allow the load to drop suddenly. Lower load with care, ensuring that you are fully aware of the condition of the surface onto which the load is to be placed.
- 7 **DO NOT** load crane beyond its rated capacity for each specified jib extension position as indicated in Section 2 page 1. The capacity of the crane reduces as the jib is extended.
- 7 **DO NOT** position any part of your body beneath the load.
- 7 **DO NOT** use the crane to move or transport a load other than for repositioning (see 3.2.f). The crane is a lifting device only.
- 7 **DO NOT** apply any sideways pressure to any part of the crane during lifting or when a load is suspended.
- 7 **DO NOT** attempt to adjust the safety valve, which has been set and sealed by the manufacturer.
- 7 **DO NOT** use this product to perform a task for which it is not designed.
- 7 **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- 7 **DO NOT** climb on the crane.
- 3 **When** not in use fold the crane down and store in a safe, dry, childproof area.
- 3 **This crane is designed for lifting within a garage or workshop environment.**
- **WARNING!** Failure to heed safety and warning instructions may result in damage and/or personal injury and will invalidate the warranty.



NOTE: ENSURE YOU HAVE READ AND UNDERSTOOD THE SAFETY INSTRUCTIONS AT THE BEGINNING OF THIS SECTION BEFORE YOU OPERATE THE CRANE.

3.2 OPERATION. (Refer to Section 4.2 (a) regarding inspection before each and every use).

- a) Refer to the lifting capacity chart in Section 2.2. If necessary adjust the position of the jib extension to cater for the weight that is to be lifted. To adjust the jib extension lift the hook end and slide the jib in or out as required to the next position. NEVER leave the jib between positions. The jib extension should always lie flat on the arm with the head of the alignment bolt (62) showing through one of the three holes provided.
- b) Rotate the pump handle to a convenient position and commence pumping to raise the jib to the height at which load may be secured.
- c) 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 that it is within the capacity of the crane (at the jib extension you are using) and the sling or support beam. When removing engines ensure you know the weight to be lifted. Use only the lifting points recommended by the vehicle manufacturer.
- d) Lift only from directly above the load. **WARNING! DO NOT LIFT THE LOAD AT AN ANGLE!**
- e) To lower the load, operate the release lever (Fig.1). **VERY SLOWLY anti-clockwise** avoiding any sudden movement. **WARNING!** Do not allow the load to drop suddenly. Release lever to stop the descent.
- f) The crane is not a transportation device but may be used to reposition the load being worked on. To do so, lower load and jib with care, to the lowest possible point before attempting to move. Do not try to move crane in a sideways direction. The crane is not designed to support the load indefinitely. When you have repositioned the load, lower the load onto a secure and appropriate working base, being fully aware of your own and other persons locations in relation to the lowering load.
- g) When load has been secured, remove lifting sling, support beam etc. and place crane in a safe location with lifting beam fully lowered.

4. MAINTENANCE/EXAMINATION/INSPECTION

NOTE: The crane **MUST** be kept clean and dry and must be maintained in accordance with these instructions.

4.1. Lubrication.

- a) Oil all working parts monthly.
- b) The ram is filled with oil and should only require occasional topping 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 supplier.
 - b) Fully lower the jib extension arm and remove the filler plug on the ram. (See part no.5)
 - c) Fill until oil overflows from the hole and wait until the level settles before replacing the plug.

4.2. Inspection and Examination of Crane Before Use.

- a) Before each use of the crane you must perform an inspection for leaks, damage, loose or missing parts.
- b) The workshop crane must be examined immediately if it has been subject to an abnormal load or shock. It is recommended that such an examination is made by an authorised service agent.
- c) The owner and/or operator must be aware that repair of this equipment will require specialised knowledge and facilities. It is recommended that an annual examination of the workshop crane is made by an authorised service agent.
- d) Unauthorised parts may be dangerous and will invalidate the warranty.

Note! Please see the Definition of 'inspection' and 'examination' below.

Inspection:

Looking at the crane for defects and checking the operation of the controls, limiting and indicating devices without loading the crane. This is much more than a check but does not normally require any part of the crane to be dismantled other than removal or opening of covers or housings.

Examination:

Verification that the crane can safely continue in service including a functional test of all safety devices i.e. limiting, indicating equipment, brakes, clutches, safety valves etc to verify that they operate within the required tolerances. An examination is more thorough than an inspection.

5. ASSEMBLY/STORAGE INSTRUCTIONS

5.1 ASSEMBLY.

WARNING! Due to their weight please ensure that there is adequate help available when assembling these cranes.

- a) ASSEMBLY To identify item numbers refer to the parts diagram.
- b) Remove the top and one end of the wooden transit crate and lift out the main arm and jib components.
- c) Lift and wheel the main frame out of the crate and position it in the assembly area. Chock the wheels to stop the frame moving.
- d) Take the main upright (52) (with ram attached) and place it upright onto the two cross members of the main frame. Align the footplate holes with the holes in the frame and secure with four bolts (46), four washers (45) and nuts (44).
- e) Remove the jib extension (57) from the arm (54). Lift the arm and support it over the top end of the upright. Align the pivot holes in both parts and slide the pivot bolt (53) through and secure with nut.
- f) Fix a circlip (65) to one end of the pivot pin (66).
- g) Lift up the arm (54) and support it in an approximate horizontal position. Hinge the ram unit away from the upright and align the hole in the end of the ram shaft with the hole in the arm. Slide the pivot pin (66) into position and secure with the other circlip (65).
- h) Place the jib extension (57) over the arm (54) so that the head of the hex socket bolt protrudes through one of the 3 holes in the top surface of the extension. Retain the jib with pin (56) which passes under the arm and secure with circlips (48).
- i) **PRIME** unit Before first use as follows:
- j) Move the pumping handle into a horizontal position and manually depress the release rod (See fig.1) to the bottom of its travel. Keeping the release rod depressed, pump the handle up and down 5 to 6 times. Release the rod. The crane is now ready for use.

5.2 STORAGE.

- a) Always store the crane fully closed so that the jib is in lowest position and the ram is closed.

6. OWNER'S & OPERATOR'S RESPONSIBILITIES

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

- a) **Understanding instructions and warnings.**

The owner and/or operator shall understand the operating instructions and warnings before operating the crane. Warning information must be emphasised and understood.
If the 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 owner, making sure the operator understands the contents.
- b) **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 an authorised service agent.
- c) **End of service.**

Through years of normal wear, the crane will eventually become unserviceable. When this happens ensure the hydraulic oil is drained off and disposed of in accordance with local authority regulations.

7. DECLARATION OF CONFORMITY

FIXED FRAME CRANE MODEL No: WD102.V2, WD152.V2, & WD202.V2

2006/42/EC Machinery Directive
93/68/EEC CE Marking Directive
Health & Safety at Work Act 1974

Lifting Operations & Lifting Equipment Regulations (LOLER) 1998
EN292-2 1991

Declaration of Conformity:



We, the sole importer into the UK, declare that the products listed below are in conformity with the following standards and directives. The construction file for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

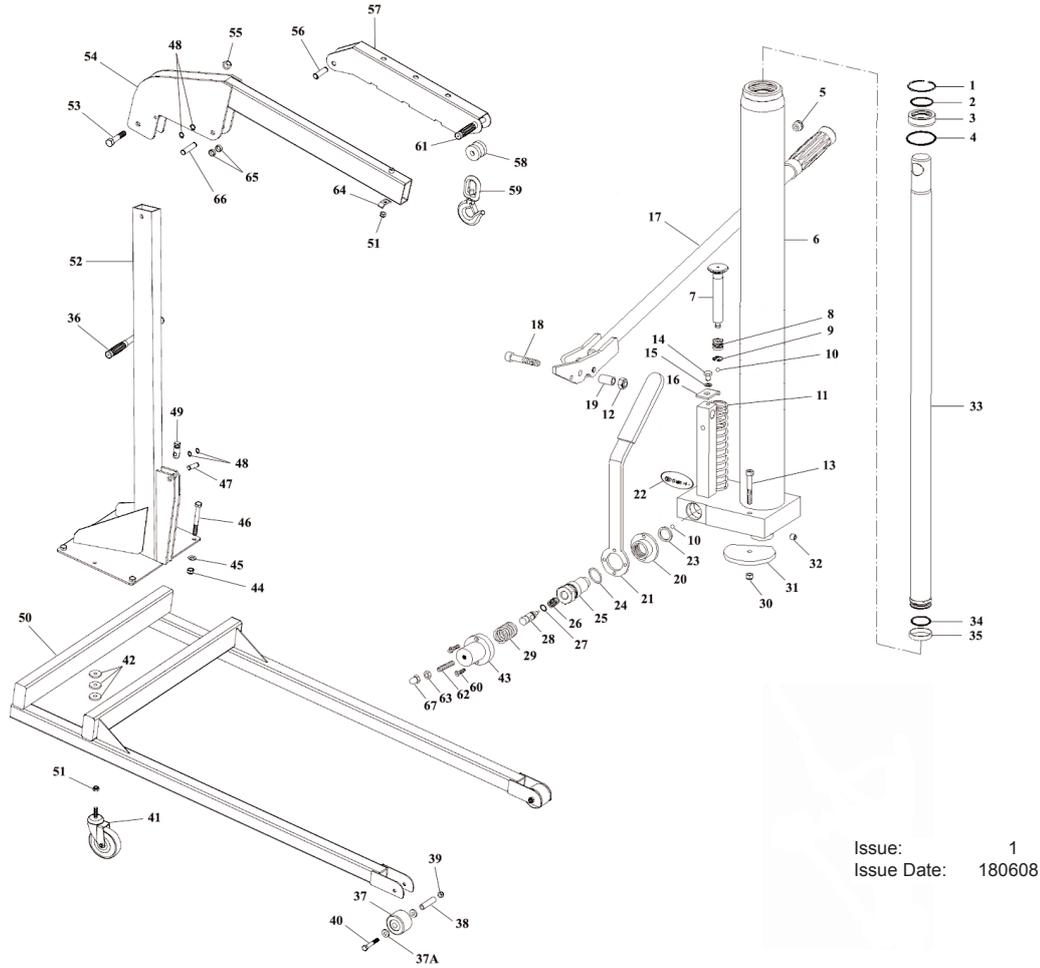
Signed by Mark Sweetman

9th June 2008

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.

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 purchase receipt.

MODEL: WD102.V2



Issue: 1
Issue Date: 180608

ITEM	PART NO	DESCRIPTION	ITEM	PART NO	DESCRIPTION
1	MG-8/1361	RING	36	BM-04/1452	GRIP
2	FC-10A/1348	O-RING	37	TJE-2/1213	WHEEL
3	FC-10A/1499	BUSHING	37A	FC-51/1649	WASHER
4	FC-10A/1131	O-RING	38	FC-10A/1404	BUSHING
5	ME-12001/1139	PLUG	39	MB-22-B/1398	NUT
6	FA-10A/C25	MAIN BODY FOR HYDRAULIC UNIT	40	FC-10A/1190	SCREW
7	FMG-300/1110	PUMP PISTON	41	FC-10/1214	WHEEL
8	TJ-2/1133	SEAL	42	TJM-2/1484	WASHER
9	MG-500/1161	SPRING	43	FC-5A-2298	RELEASE SUPPORT COVER
10	ME-1501/1149	BALL	44	NC-5/1666	NUT
11	AP-100/1241	SPRING	45	WASHER	WASHER
12	EF-1.5/1318	NUT	46	NC10A/1670	SCREW
13	ND-2/1814	SCREW	47	FC-10A/1189	AXLE
14	FC-10A/1470	SCREW	48	MB-21-B/1377	CIRCLIP
15	FC-10A/1249	WASHER	49	FC-10A/1122-1	AXLE
16	FC-10A/1279	STOP	50	NC-10A/C4	FRAME
17	FC-10A/C21	HANDLE	51	MB-22-B/1398	NUT
18	AP-100/1345-A	SCREW	52	NC-10A/C23	UPRIGHT
19	FMG-300A/1475	BUSHING	53	PH-5/1191	SCREW
20	FC-5A-2297	RELEASE HANDLE SUPPORT	54	FC-10A/C3	ARM
21	FC-5A-1369	RELEASE HANDLE	55	PH-5/1216	NUT
22	MG-2/C9	SAFETY VALVE	56	PH-5/1141	AXLE
23	TJ-2/1120	WASHER	57	FC-10A/1158	JIB EXTENSION
24	MG-3/1134	O-RING	58	NC-5/1407	BUSHING
25	FC-10A/C42	NUT	59	NC-10A/1166	HOOK
26	TJ-2/1527	SPRING	60	CSR-55-1634	SCREW
27	ME-1501/1132	O-RING	61	MGN-20/1452	GRIP
28	TJ-1.5/1125	AXLE	62	FC-5A-1246	SET SCREW
29	FC-5A-2296	SPRING	63	FC-5A-1532	NUT
30	FMG-300A/1318	NUT	65	FC-20/1180	BUSHING
31	FC-10A/1669	STOP	66	FC-10A/1194	AXLE
32	MA-2/2142	SCREW	67	FC-5A-2150	NUT
33	FC-10A/C14	MAIN PISTON		RFC-10A	REPAIR KIT (not shown)
34	MG-5/1134	O-RING		FC-10A/C2	HYDRAULIC UNIT (not shown)
35	MG-5/1164	RING			

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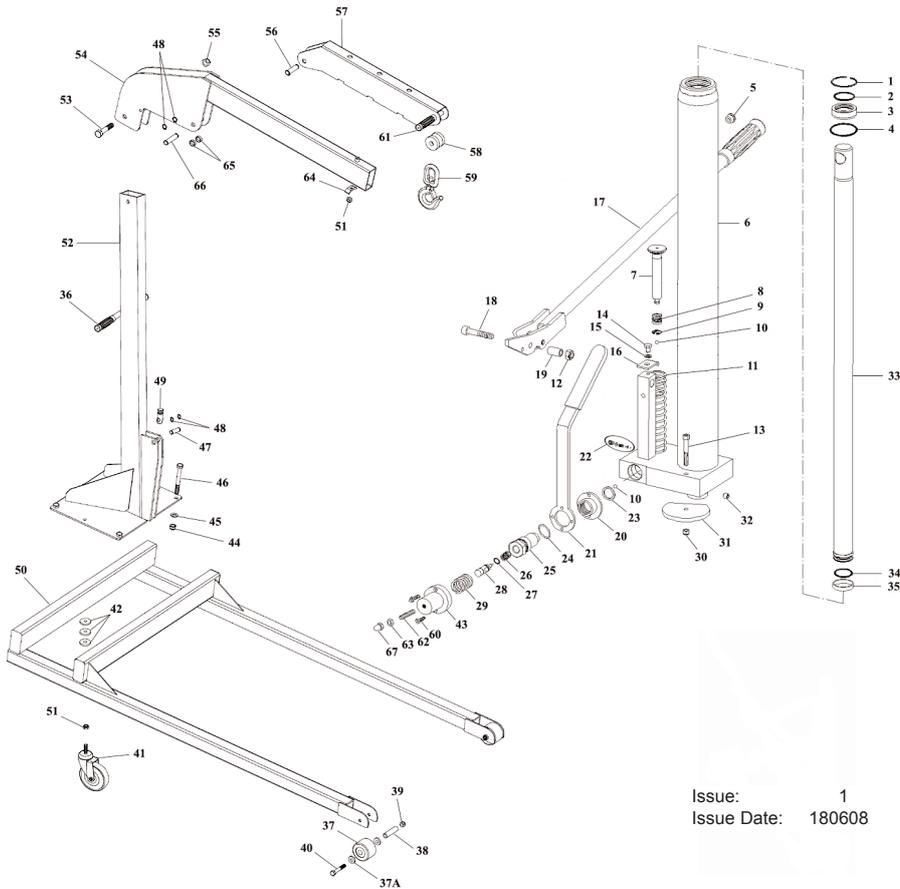
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MODEL: WD152.V2, WD202.V2



Issue: 1
Issue Date: 180608

ITEM	PART NO	DESCRIPTION	ITEM	PART NO	DESCRIPTION
1	MG-12/1361	RING	38	PH-15/1404	BUSHING
2	FC-20A/1348	O-RING	39	MI-10/1397	NUT
3	FC-20A/1499	BUSHING	40	PH-15/1190	SCREW
4	MGH-15/1136	O-RING	41	NC-20A/1214	WHEEL
5	ME-12001/1139	PLUG	43	FC-5A-2298	RELEASE SUPPORT COVER
6	FC-20A/C25	MAIN BODY FOR HYDRAULIC UNIT	44	PH-5/1216	NUT
7	FMG-300/1110	PUMP PISTON	45	MB-22-B/1295	WASHER
8	TJ-2/1133	SEAL	46	NC-20A/1670	SCREW
9	MGG-500/1161	SPRING	47	FC-20A/1189	AXLE
10	ME-1501/1149	BALL	48	MI-10/1377	CIRCLIP
11	AP-100/1241	SPRING	49	FC-20A/1122-1	AXLE
12	EF-1.5/1318	NUT	50	NC-15A/C4	FRAME
13	ND-2/1814	SCREW		NC-20A/C4	FRAME (for WD202 ONLY)
14	FC-10A/1470	SCREW	51	MB-22-B/1398	NUT
15	FC-10A/1249	WASHER	52	NC-15A/C23	UPRIGHT
16	FC-10A/1279	STOP		NC-20A/C23	UPRIGHT (for WD202 ONLY)
17	FC-10A/C21	HANDLE	53	PH-15/1191	SCREW
18	AP-100/1345-A	SCREW	54	NC-15A/C3	ARM
19	FMG-300A/1475	BUSHING		FC-20A/C3	ARM (for WD202 ONLY)
20	FC-5A-2297	RELEASE HANDLE SUPPORT	55	PH-15/1216	NUT
21	FC-5A-1369	RELEASE HANDLE	56	PH-15/1141	AXLE
22	MG-2/C9	SAFETY VALVE	57	NC-15A/1158	JIB EXTENSION
23	TJ-2/1120	WASHER		FC-20A/1158	JIB EXTENSION (for WD202 ONLY)
24	MG-3/1134	O-RING	58	NC-15A/1158	BUSHING
25	FC-10A/C42	NUT	59	NC-15A/1166	HOOK
26	TJ-2/1527	SPRING		NC-20A/1166	HOOK (for WD202 ONLY)
27	ME-1501/1132	O-RING	60	CSR-55-1634	SCREW
28	TJ-1.5/1125	AXLE	61	BM-04/1452	GRIP
29	FC-5A-2296	SPRING	62	FC-5A-1246	SET SCREW
30	FMG-300A/1318	NUT	63	FC-5A-1532	NUT
31	FC-20A/1669	STOP	64	NC-20A/1638	PLATE
32	MA-2/2142	SCREW	65	FC-20/1180	BUSHING
33	FC-20A/C14	MAIN PISTON	66	FC-20A/1194	AXLE
34	MG-10/1134	O-RING	67	FC-5A-2150	NUT
35	MG-10/1164	RING		RFC-20A	REPAIR KIT (not shown)
36	BM-04/1452	GRIP		FC-20A/C2	HYDRAULIC UNIT (not shown)
37	NC-15/1213	WHEEL			

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