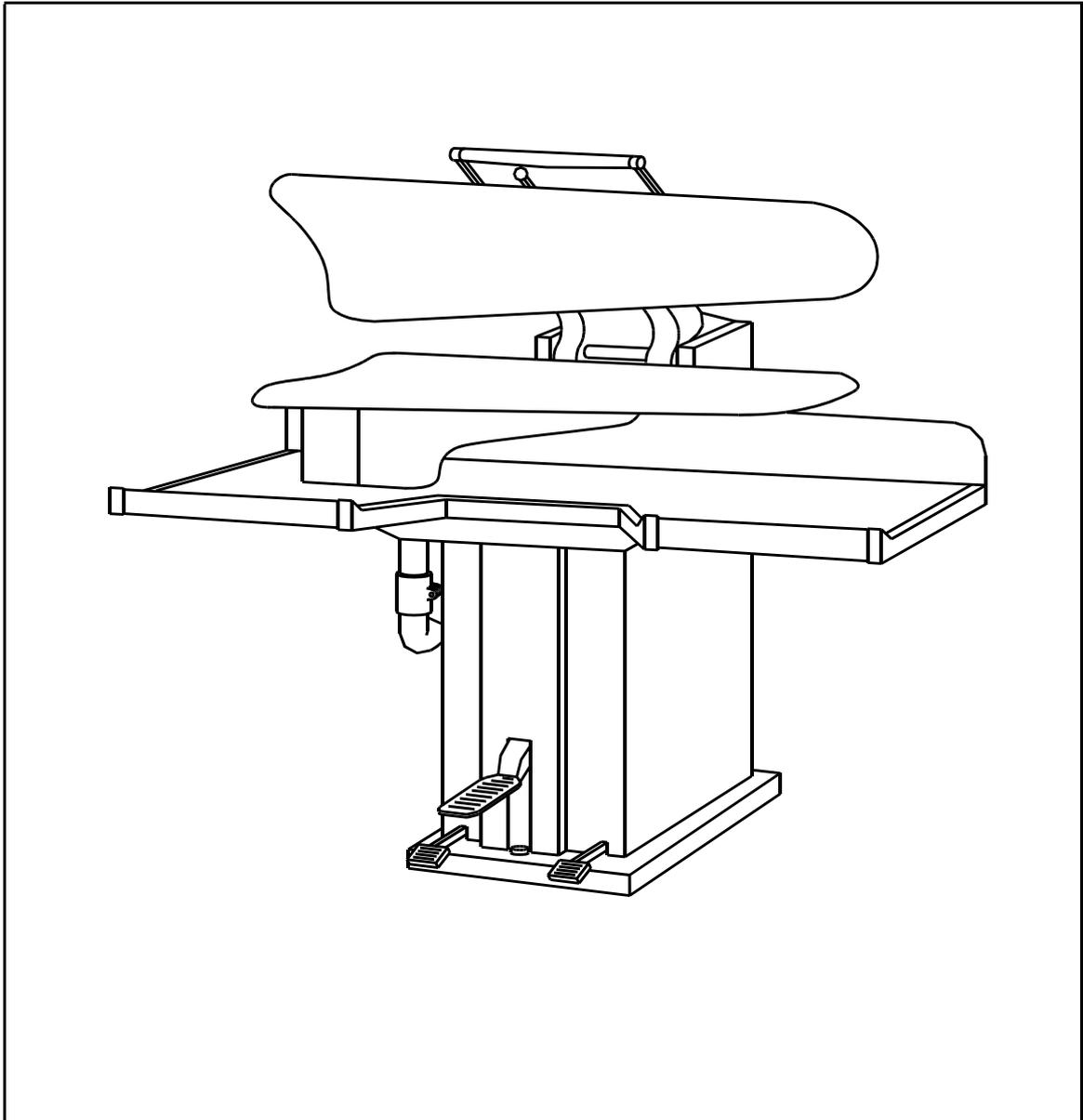




Manual

Hand foot operated Utility Press



CISSELL MFG. CO.
831 South First St. / POB 32270
Louisville, Ky. 40232-2270
Phone: (502) 587-1292
Fax : (502) 585-3625
www.cissellmfg.com

Model: CF 19, 24, 41, 45, 47, 50, 52, 220, 226,
439, 441, 444, 446, 448, 487.

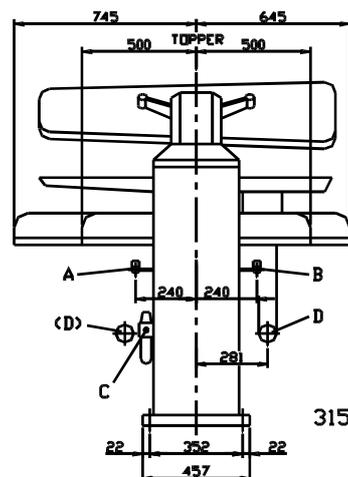
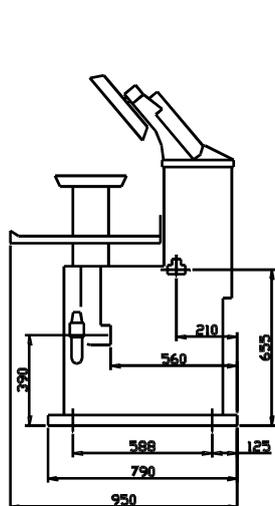
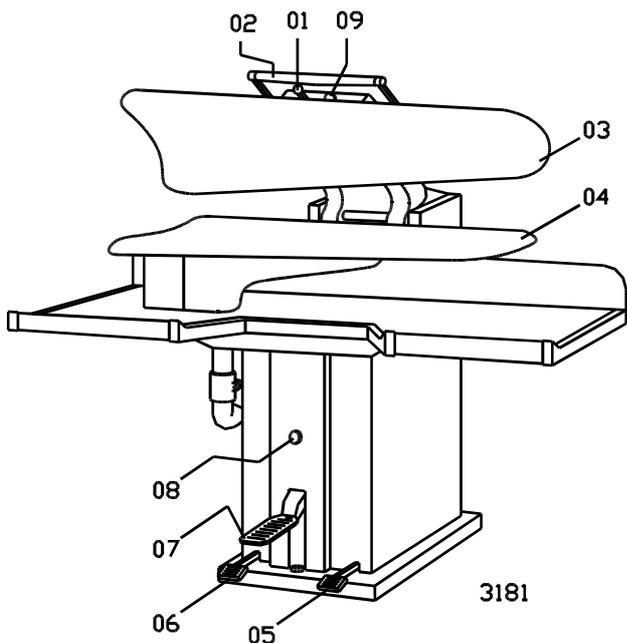
M:\HANDBOEK\CISSELL\Feng

Part No. D0142

Table of contents

1. Machine surfeiy, operating functions and connections.....	3
2. Symbols.....	3
3. Introduction.....	4
4. Technical data.....	4
5. Installation.....	5
5.1 <i>Transport and positioning</i>	5
5.2 <i>Connections</i>	5
5.2.1 <i>Steam</i>	5
5.2.2 <i>Steamline systems</i>	5
5.2.3 <i>Vakuum</i>	6
6. Put into operation.....	6
7. How to operate.....	7
7.1 <i>User Directions</i>	7
7.2 <i>User Instruktions</i>	7
7.3 <i>Tips fot use</i>	7
8. Put out of operation.....	7
9. Trouble Shooting.....	8
10. Maintenance and repairs.....	8
10.1 <i>Maintenance</i>	8
10.2 <i>Repairs / Dismanting</i>	9
10.3 <i>Adjustments</i>	9
11. Spare parts.....	10

1 Machine survey, operating functions and connections



3157

- | | | | |
|---|----------------|---|----------------------|
| 1 | Handle | : | Steaming |
| 2 | Wooden handle | : | Close Head |
| 3 | Head | | |
| 4 | Buck | | |
| 5 | Footpedal | : | Buck steam |
| 6 | Footpedal | : | Vakuum |
| 7 | Footpedal | : | Press and open |
| 8 | Adjusting bolt | : | Adjust footpedal (7) |
| 9 | Adjusting knob | : | Adjust pressure |

- A. Steam supply 1/2" BSP
- B. Steam return 1/2" BSP
- D. Vacuum line 2"

2 Symbols

Symbols for use, operation and warnings :



Attention!
Caution!
Follow the instructions



Caution, heat!
Do not touch!



Attention! Mind your hands when the press is closing.



Very important!
Safety aspect!

3 Introduction

The presses are for the pressing of all kinds of garments and laundry. This PRESS is hand and foot-operated.

All the numbers and capitals in this manual indicated in brackets, refer to the numbers/capitals of the different machine drawings.

Important:

! Read this manual first before installation and before taking the machine into use.

! All the installation, repair, adjusting and maintenance activities should be carried out by experts.



The press can take a steam pressure of 6 bar maximum. A higher pressure could bring along safety risks or lead to damage to the machine. Recommended working pressure: 6 bar.



A higher compressed air pressure than 6 bar is not allowed for an higher pressure could bring along safety risks or damage the machine. Recommended working pressure: 5 bar.

! Take care for good survey and create enough working space around the machine.

Advice: Keep the manual somewhere near the press.

4 Technical data

Model : CF 19, 24, 41, 45, 47, 50, 52, 220, 226, 439, 441, 444, 446, 448, 487
Type : ../81
 ../83
 ../93

Maximum allowed steam pressure : 6 bar

Weight	CF 19, 24, 220, 226:	220 kg
	CF 41, 45, 47, 50, 52:	260 kg
	CF 439, 441, 444, 448, 487:	280 kg
Floor surface	CF 19, 24, 220, 226:	945 x 1000 x 1255mm
	CF 41, 45, 47, 50, 52:	945 x 1500 x 1255mm
	CF 439, 441, 444, 448, 487:	945 x 1500 x 1255 mm

Temperature pressing shoes	covered:	approx. 130 °C
	uncovered:	approx. 160 °C

5 Installation

5.1 Transport and positioning

☞ Mind your safety! Wear safety shoes and working gloves.

- Leave the machine on the pallet for transport to its location.
- Avoid shakes.
- Use a lifting device for transport and for moving it into position.
- Handle the machine only by its frame.
- Take care for enough working space around the machine.
- Check the stability and fix the machine with 4 bolts (M10 x 100mm) in case of an uneven floor.
- Push the upper pressing shoe down and remove the rope which keeps the shoes together. After that the upper pressing shoe will rise automatically.

5.2 Connections

☞ When making the connections to the machine, take utmost care to ensure that no dirt or other materials enter the lines, since this may cause the machine to malfunction.

5.2.1 Steam

☞ Mind your safety! Wear working gloves!

Connection: ½" BSP

Maximum steam pressure: 9 bar.

Recommended working pressure: 6 bar

A : Steam supply	X : Steam trap
B : Steam return	Y : Blow off cock
W : Shut off valve	Z : Non-return valve

Instructions to connect the steam lines:

- Connect the steam lines according to illustration 1.
- Avoid condensation to enter the machine:
Connect the branches of the supply and return lines in such way that they run at least 300mm upward first.
- Flush the connected steam lines with steam from the steam supply.
- Install a steam trap and non-return valve as close as possible to the connection of the machine (mark the entry and exit).
- Install a shut off valve in both supply and return lines in order to be able to shut off the machine from the steam lines, for instance for repair activities.
- To get dry steam the connection of a steam trap with non-return valve on the lowest point of the supply to the drainage (dotted line fig. 1) is recommended. Mark the marking 'entry' and 'exit'.
- Connect the machine to the steam lines.

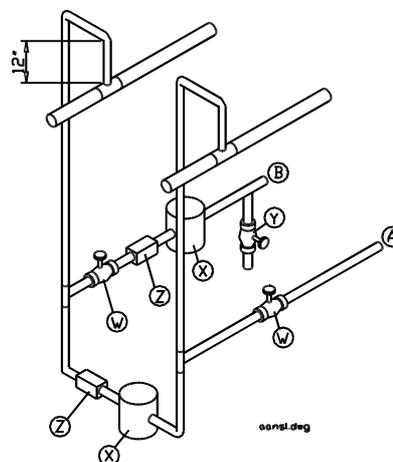


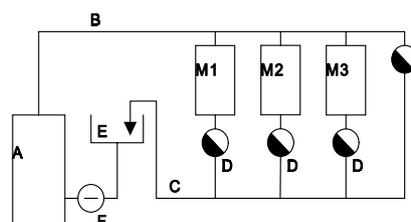
Figure 1: Connecting steamlines

5.2.2 Steamline systems

Open system

Mount a steamtrap (D) at the end of the steam supply line (B) and at the end of each connected machine. The condensate will be led to the watertank (E) through the condensate return line (C). The condensate in the watertank will be pumped in the boiler (A) through pump (F).

Disadvantage of the open system is the loss of energy and an increasing fault sensibility.

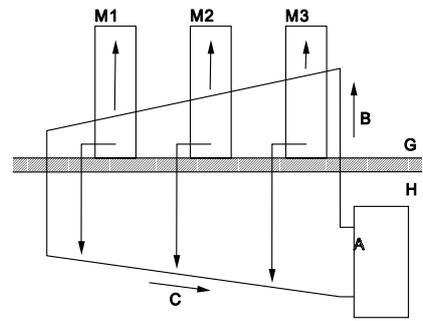


Closed system

The condensate ends up in the boiler (A) through a down going condense return line (C). The waterlevel of the boiler (A) has to be lower than the lowest condensate output of the connected machines!

There will be no loss of energy. The energy savings in regard to the open system is approximately 33%.

This system gives the lowest installation costs. When the system works well, the system will work well for years.

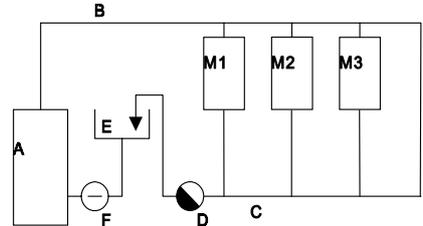


Half open system

This system is conform the open system. The only difference is that in this system at the end of the ringline (B,C) a steamtrap (D) has to be mounted. This steamtrap brings the condensate in a watertank (E). The condensate in the watertank (E) will be pumped in the boiler (A) through the pump (F). In this system the waterlevel in the boiler (A) can be higher than the condensate output of the connected machines.

The energy saving in regard to the open system is approximately 20%.

This system will operate fault free for years.



A : Boiler	D : Steamtrap	G : Work room
B : Steam supply line	E : Watertank	H : Boiler room
C : Condensate return line	F : Pump	M : Machine

5.2.3 Vacuum

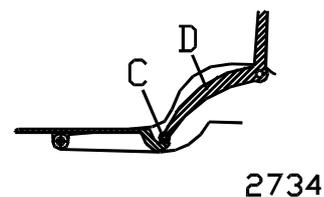
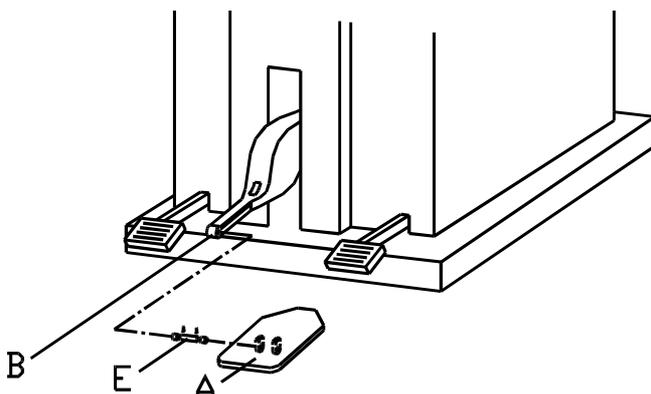
- Connect the press with a 2" gas pipe to the main vacuum line (D). The connection is on the left of the press, under the table.

6 Put into operation

- ☞ **Think of your own and other people's safety!**
Creat a clean, surveyable and spacious working environment.
Make sure that nobody is standing behind the machine.
- ☞ **Check the following points daily!**

It is possible that in view of transport, the centre footpedal (7) of de press has been removed. If so, mount pedal as follows:

Place pedal (A) around pedal rod (B). Be sure to place the lip of the pedal under roll (C) of the latch lever (D). The mount shaft (E) and cotter.



2734

7 How to operate

7.1 User directions

- ! Use the press only for the treatment of clothes.
- ! Maintenance and repair activities are to be executed by a qualified serviceman.

☞ **Not following the instructions of this manual may lead to injury or to damage to the machine!**



☞ **Caution: After a while, the head (3) will get warm. The downside of the buck (4) and the steam connections at the backside of the machine are hot. Do not touch these!**

7.2 User instructions:

- Pressing.
The press is closed by pressing down the handbar (2) on the head (3). Pressure is obtained by pressing down the footpedal (7). This footpedal is secured by a latch lever, which keeps up the pressure when releasing the pedal. The pedal plate is moveable. The locking mechanism is released by pressing the frontside of the pedal slightly and the press will open.
- Head Steam.
By operating the valve (1) on the head, headsteam will be released.
- Buck Steam.
By operating the right footpedal (5), bucksteam will be released.
- Buck Steam.
By operating the left footpedal (6), the vacuum valve is opened, so that the buck (4) can be sucked off.
- Head Adjusting (code .../93).
If eventually through wear away of the padding the machine does not press well, you have to adjust the head. This can be done by turning the adjusting bolts (8) on top of the head.

Adjustment of the latch lever, which keeps the footpedal down, can be done, if necessary, by turning the jam nut and the set bolt (9) on the frontside of the frontplate.

7.3 Tips for use:

- Only press garments when they are damp.
- Short pressing duration for synthetic fibres, longer duration for cotton/linen.
- Advice: Take care for a maximum temperature of 35°C on the operators position at an ambient temperature of 25°C and a relative humidity of 65%.
- Take care for sufficient ventilation.
- Take care for sufficient light on the workshop.

8 Put out of operation

- Remove vacuum.
- Close the steam shut off valve (W, see figure 1).
- Blow off steam by opening the blow off cock (Y).
- Cool down the machine.

9 Trouble shooting

 **Mind your safety!**

If you cannot solve the problems with the aid of table below, then call for an expert.

Table: Trouble shooting

Trouble	Check / solution
Little or no head steam.	1. Are the steam shut off cocks fully open? 2. Check the steam pressure (maximum 6 bar). Engineer: 3. Check steam valve cylinder (93), re-adjust if necessary (see chapter 'Adjustments')
Little or no up-steam when operating foot pedal (9).	1. Are the steam shut off cocks fully open? 2. Check the steam pressure (maximum 6 bar). Engineer: 3. Check steam valve cylinder (45), re-adjust if necessary (see chapter 'Adjustments').
Insufficient or no vacuum on buck (5) when operating foot pedal (11).	1. Check vacuum connection (D). 2. Check covering, replace. Engineer: 3. Check vacuum-unit.

10 Maintenance and repairs

10.1 Maintenance

 **Mind your safety!**

Before starting maintenance activities:

- **For steam heated machines: close the steam shut off valves (W, see figure 1), blow off steam (Y).**
- **Let the machine cool down.**

Spring rod

Graiser the spring rod regular

Oil-check

Fill up oil if necessary:

- Fill up the oil (Type: Univas HP22 ISO VG 22)

Covering

 **Do not wash the coverings!!!**

10.2 Repairs/Dismantling

Mind your safety!

Before starting repair or dismantling activities:

- **For steam heated machines: close the steam shut off valves (W, see figure 1), blow off steam (Y).**
- **Let the machine cool down.**

All repair activities are to be carried out by a qualified serviceman.

For repair activities consult addition A containing detaildrawings with spare parts.

To be able to execute the repair activities, the panels mounted on the frame of the machine can be removed.

In case some parts have become defective, contact the distributor to order new parts (see table 'spare parts').

Use only original parts!

When the repairs have been completed, put the panels back into place before taking the machine into operation again.

10.3 Adjustments

Mind your safety!

All adjustment activities are to be carried out by a qualified serviceman.

Steam quantity buck & head

The steamvalves are hot! Do not touch them. Use working gloves.

! Don't ever set the steam quantity to its maximum. Too much steam causes wet coverings and garments after steaming and pressing.

- Steam quantity head (3):
 1. Unscrew nut of steam valve (93).
 2. Set the suitable steam quantity by adjusting the bolt.
 - In = less steam
 - Out = more steamCheck the steam quantity by starting the press.
 3. Fasten the nut.
- Steam quantity buck (4):
 1. Remove the cover.
 2. Unscrew the nut of steam valve (45).
 3. Set the suitable steam quantity by adjusting the bolt.
 - In = less steam
 - Out = more steamCheck the steam quantity by starting the press.
 4. Fasten the nut.
 5. Mount the cover.

11 Spare parts

Order spare parts by contacting your distributor.

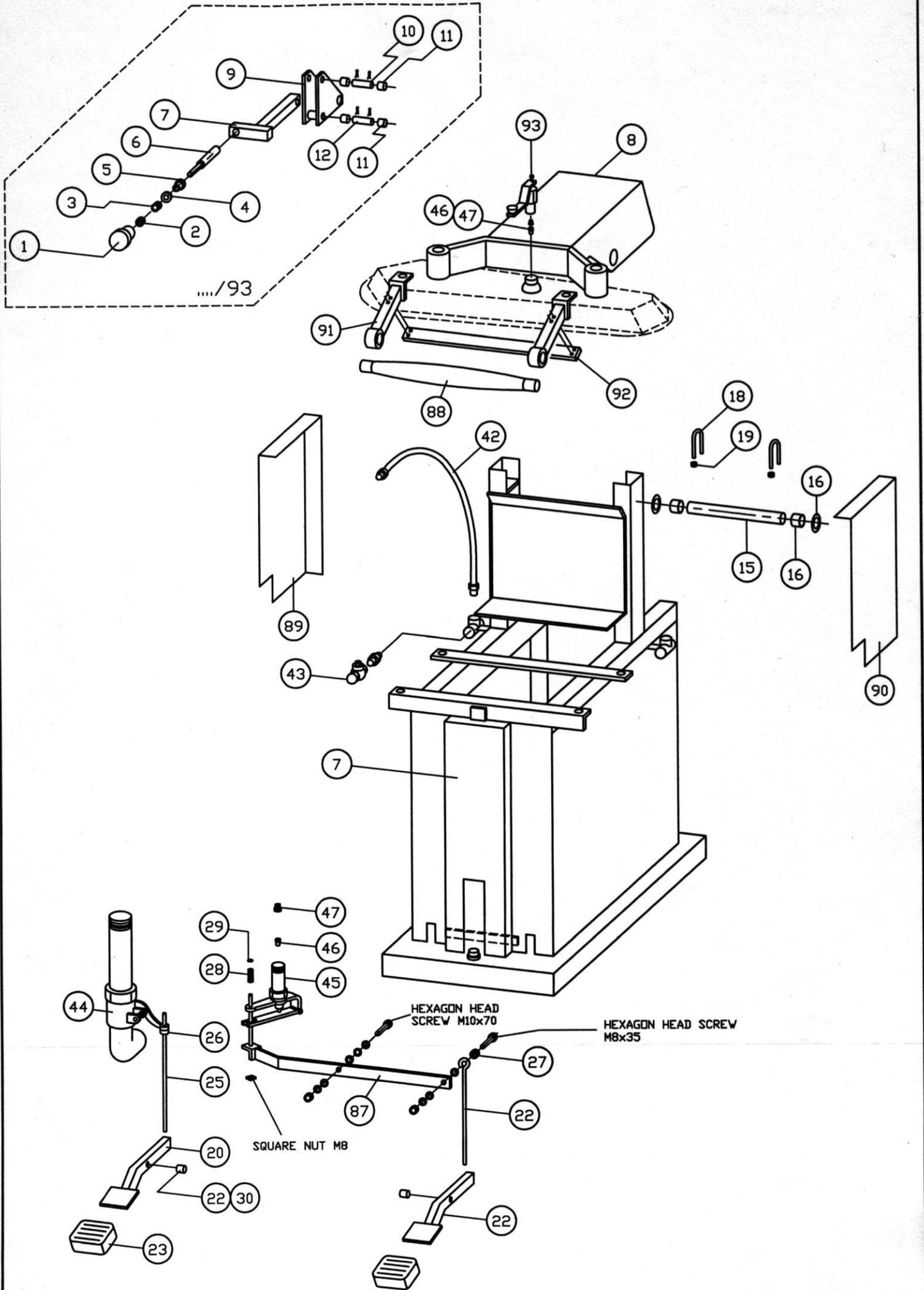
Do not use any parts but original spare parts!

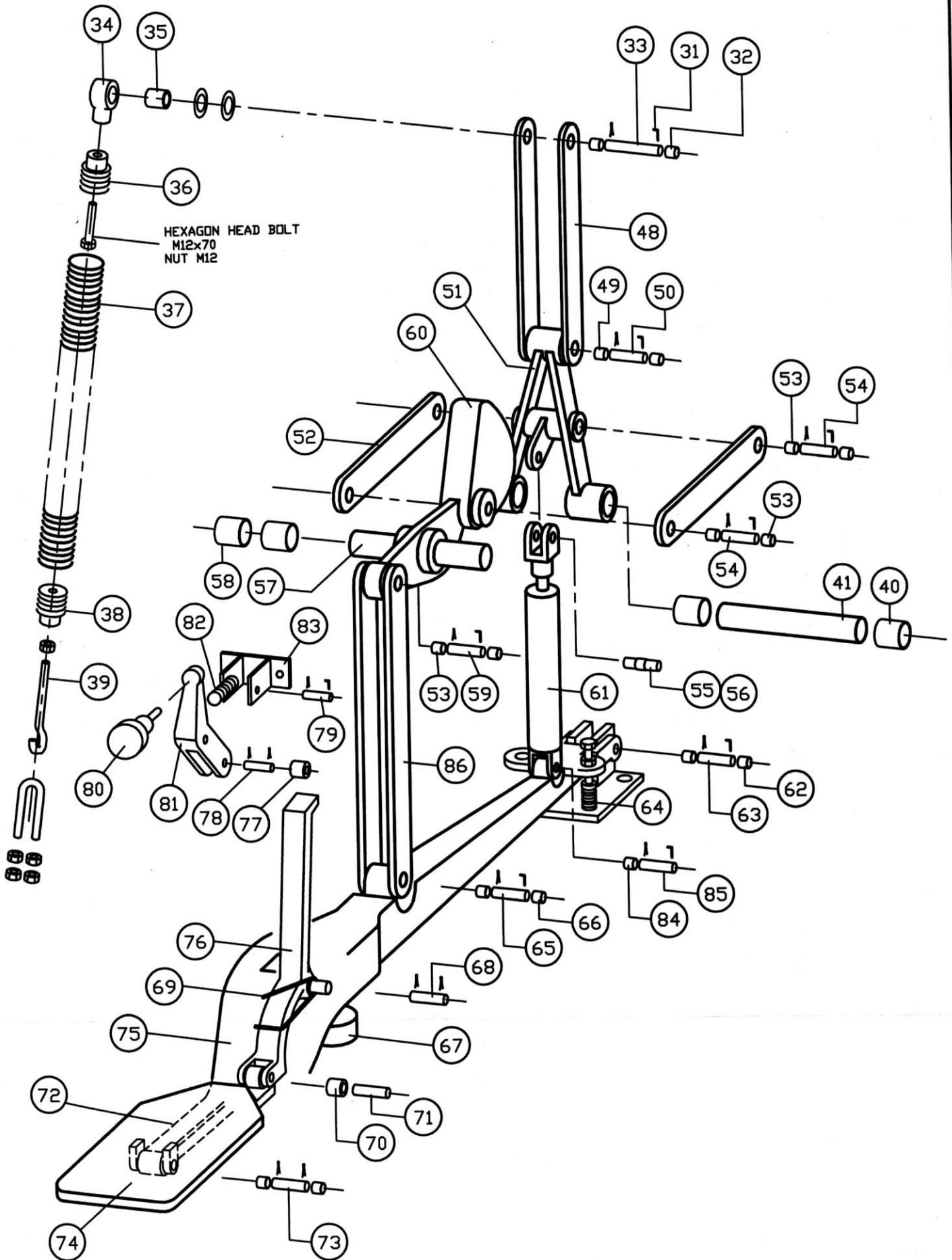
Table: Spare parts

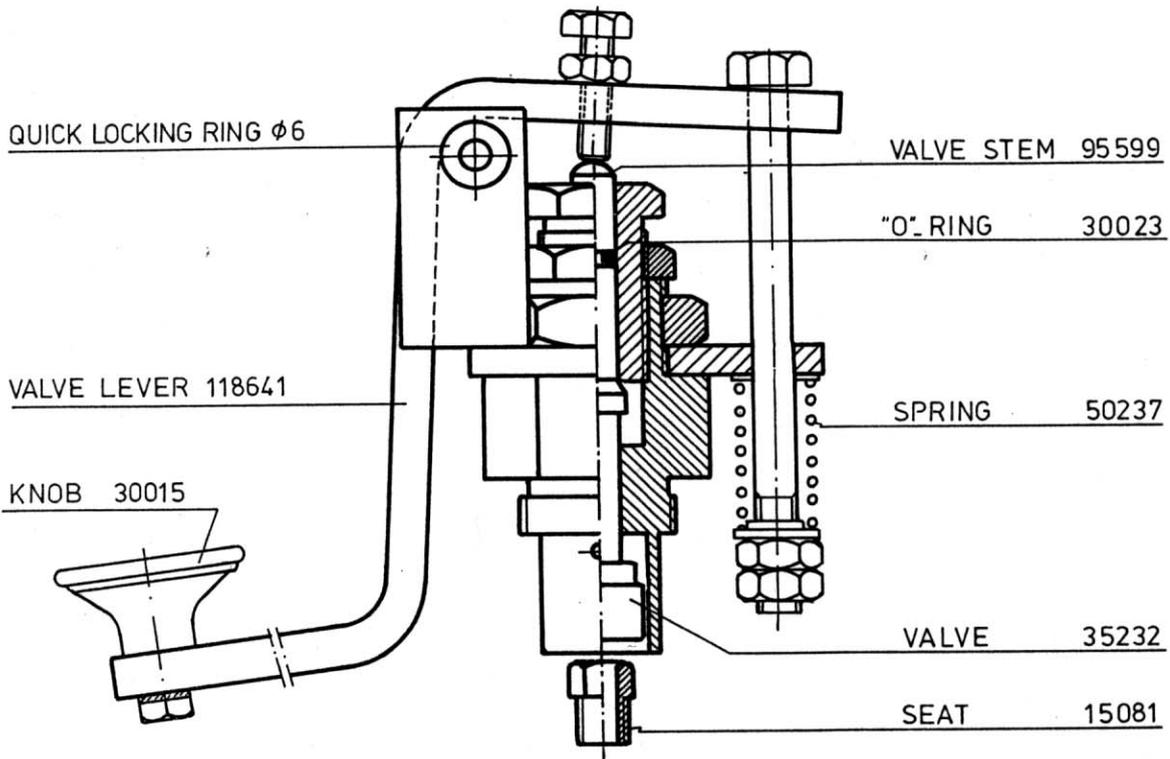
Nr	Onderdeel	Art.nr.
1	Knob Assy	119227
2	Nut M12	
3	Ball Bearing	81018
4	Plainwasher ø12	
5	Bushing	97139
6	Spindle	97138
7	Adjusting Block	119199
8	Head Lever	119198
9	Adjusting Lever	119200
10	Shaft	97147
11	Bearing	80973
12	Shaft	97147
13	Front Plate Assy For Lower Frame	118646 119270
14	Frame Assy For Lower Frame	118644 119267
15	Head Lever Shaft	95277
16	Bearing	80945
17	Linkage Washer ø57xø36	
18	Shaft Clamp	95253
19	Nut M12 (2x)	
20	Foot Pedal Lh For Lower Frame	118816 119268
21	Foot Pedal Rh For Lower Frame	118818 119269
22	Pedal Bush	80973
23	Pedal Rubber	30005
24	Lever Connecting Rod	95585
25	Vacuum Valve Connecting Rod	95255
26	Set Collar	17858
27	Spacer	90879
28	Spring	50025
29	Disc	20058
30	Shouldered Bolt	96078
31	Locking Pin	12395
32	Bearing	80944
33	Pivot Shaft	95279
34	Rod Head	918
35	Bearing	80944
36	Spring Plug	911
37	Balancer Plug	
38	Spring Plug	902
39	Screw Eye Nut M12	95583

Nr	Onderdeel	Art.nr.
40	Bearing	80945
41	Frame Shaft	95619
42	Flexible Hose	80507
43	Check Valve	80021
44	Vacuum Valve Assembly	118652
45	Buck Valve Assy	118649
46	Valve	35232
47	Seat	15081
48	Top Link For Lower Frame	95601 97392
49	Bearing	80944
50	Lever Link Pin	95604
51	Back Lever	923
52	Front Lever Link	95602
53	Bearing	80954
54	Front Lever Link Pin	95611
55	Bearing	80953
56	Connector Pin	95606
57	Front Lever Pin	95618
58	Bearing	80944
59	Foot LeverLink Pin	95610
60	Front Lever	917
61	Oil Check Assy	118648
62	Bearing	80953
63	Pin	95608
64	Spring	50001
65	Bearing	80954
66	Foot Lever Link Pin	95610
67	Foot Pedal Lever Bumper	30872
68	Latch Lever Pin	95609
69	Latch Lever Spring	50091
70	Trip Roll	95614
71	Roll Pin	95612
72	Pedal Latch Bumper	30274
73	Adjusting Sleeve Pin	95609
74	Foot Pedal	914
75	Foot Lever	915
76	Latch Lever	916
77	Latch Roll	95613
78	Adjusting Roll Pin	95616

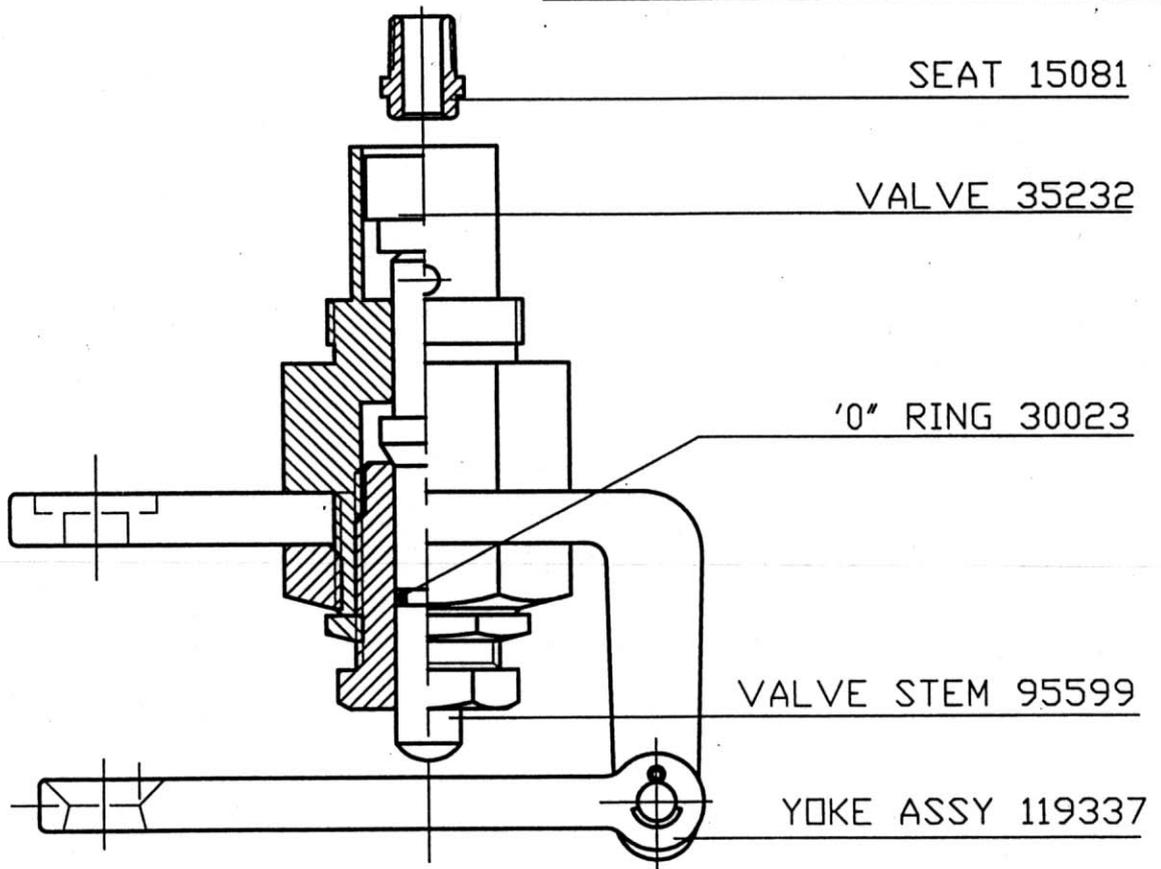
79	Latch Roll Adjusting Pin	95615
80	Ajusting Knob Assy	111693
81	Latch Roll Adjuster	920
82	Spring	50024
83	Front Plate Strap	118645
84	Bearing	80953
85	Pin	95605
86	Foot Lever Link	95603
87	Connecting Lver	118287
88	Wood Handle	118297
89	Frame Cover L	119261
90	Frame Cover R	119262
91	Handle Bracket	118296
92	Strip	94896
93	Head valve assy	118650







BUCK VALVE ASSY 119338

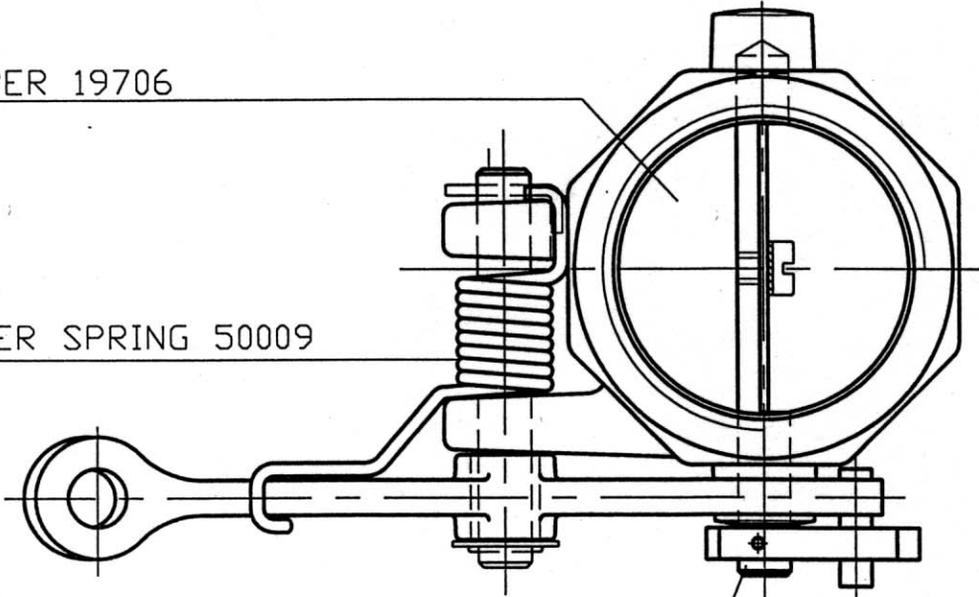


VACUUM VALVE ASSY 119336

DAMPER 19706

LEVER SPRING 50009

DAMPER SHAFT ASSY 119334



VALVE LEVER ASSY 119335

PIN 19706

