

Operating Instructions and Parts Book for

LEVELLING ATTACHMENTS

Edition No: 8203-09-00

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EC DECLARATION OF CONFORMITY
conforming to EEC Directive 98/37/EC

We,

of TWOSE OF TIVERTON LIMITED, 6 Chinon Court, Lower Moor Way, Tiverton Business Park, Tiverton, Devon, EX16 6SS.

declare that under our sole responsibility that the product (type)

This machine is a **levelling attachment**, one of a range of machines for soil preparation.

Serial No. & Date:

Manufactured by the above Company/*

.....

(*insert business name and full address if not stated above)

complies with the required provisions of the Directive 98/37/EC and conforms with European Norm. BS EN 292

Part 1: 1991 Safety of Machinery - Terminology, Methodology

Part 2: 1991 Safety of Machinery - Technical Specifications

and other national standards associated with its design and construction as listed in the Technical File.

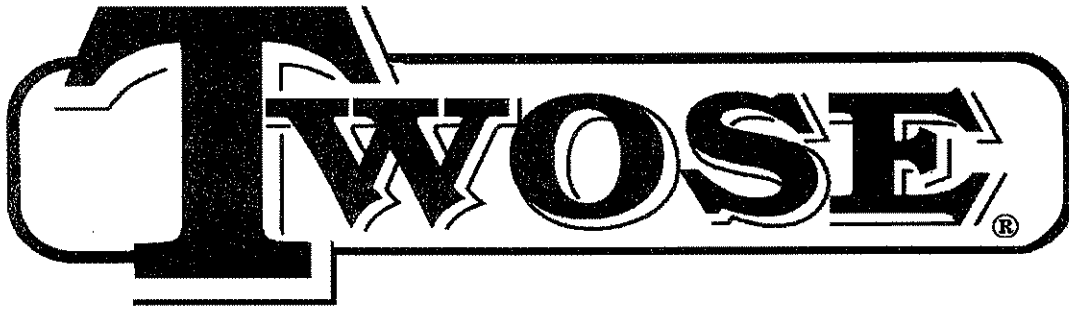
Signed *Adrian Longstaff*

on behalf of TWOSE OF TIVERTON LIMITED Responsible Person

Status DIRECTOR OF ENGINEERING

Date 13 February 2001

**THIS MANUAL IS TO BE HANDED TO THE CUSTOMER BEFORE
THE MACHINE IS TO BE USED FOR THE FIRST TIME**



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All dimensions and capacities mentioned in this book are approximate. In pursuance of the Companies policy of constant development, the right is reserved to depart, without notice, from any detail illustrated or specified in this book, without incurring the obligation to provide such modifications on machines previously delivered.

No responsibility will be accepted by Twose of Tiverton Limited for any injury, damage or loss arising from the improper use or lack of maintenance of any machinery supplied by them or from any failure of the user to comply with all instructions published by Tractor or Loader manufacturers, particularly with regard to maximum load capacities, tyre pressures and stability, or with instructions and regulations pertaining to Tractor Cabs.

For information about the roller itself, general information, safety notes and warnings and health and safety please refer to the instruction manual supplied with the roller.

Operating instructions

It is now possible to lengthen the replacement drawbar. This will allow a tighter turning circle if the machine is being used in combination with another wide machine. We would suggest that the drawbar is kept as short as possible unless there is a need for it to be longer.

A second double-acting service is required on the tractor. (Connect the two pipes from the levelling board rams into this service.)

When changing the roller from the work to the transport position, or vice versa, the levelling board rams should be fully extended. This ensures the greatest possible clearance between the innermost tine points and the drawbar ram.

During road transport we suggest that the levelling board rams be fully extended; this will help to keep the tine points away from the extremities of the machine.

For the purposes of laying-up the levelling board rams should be closed.

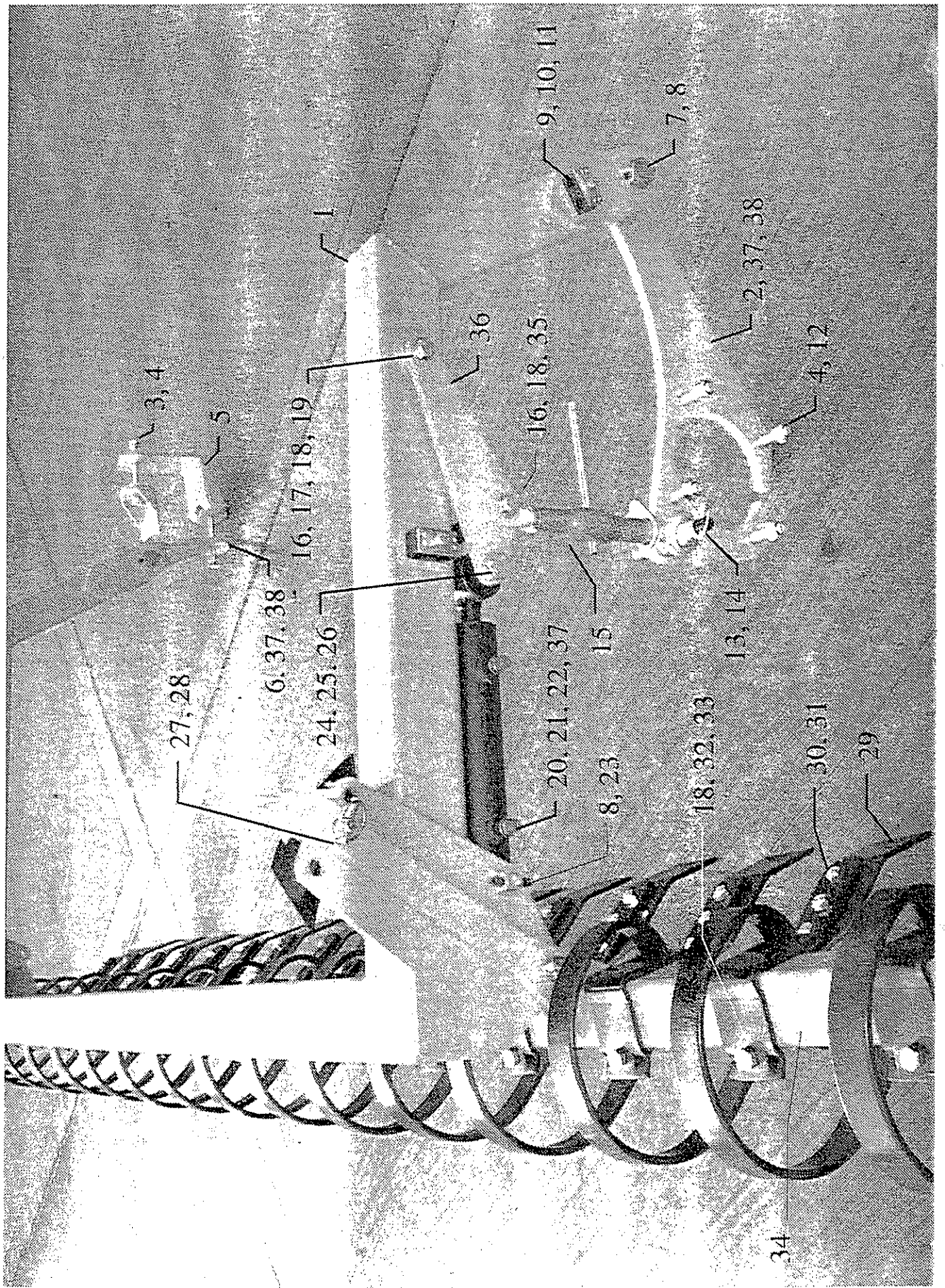
Do not make headland turns with the tines engaged. The attachment is designed so that adjustment of tine height and angle is independent of the hydraulics - this enables the operator to simply operate the spool lever to fully raise the tines, make the turn and then simply operate the lever to lower the tines back to the set working position.

Tine height is adjusted by lengthening or shortening the top link units (Item 15, page 4).

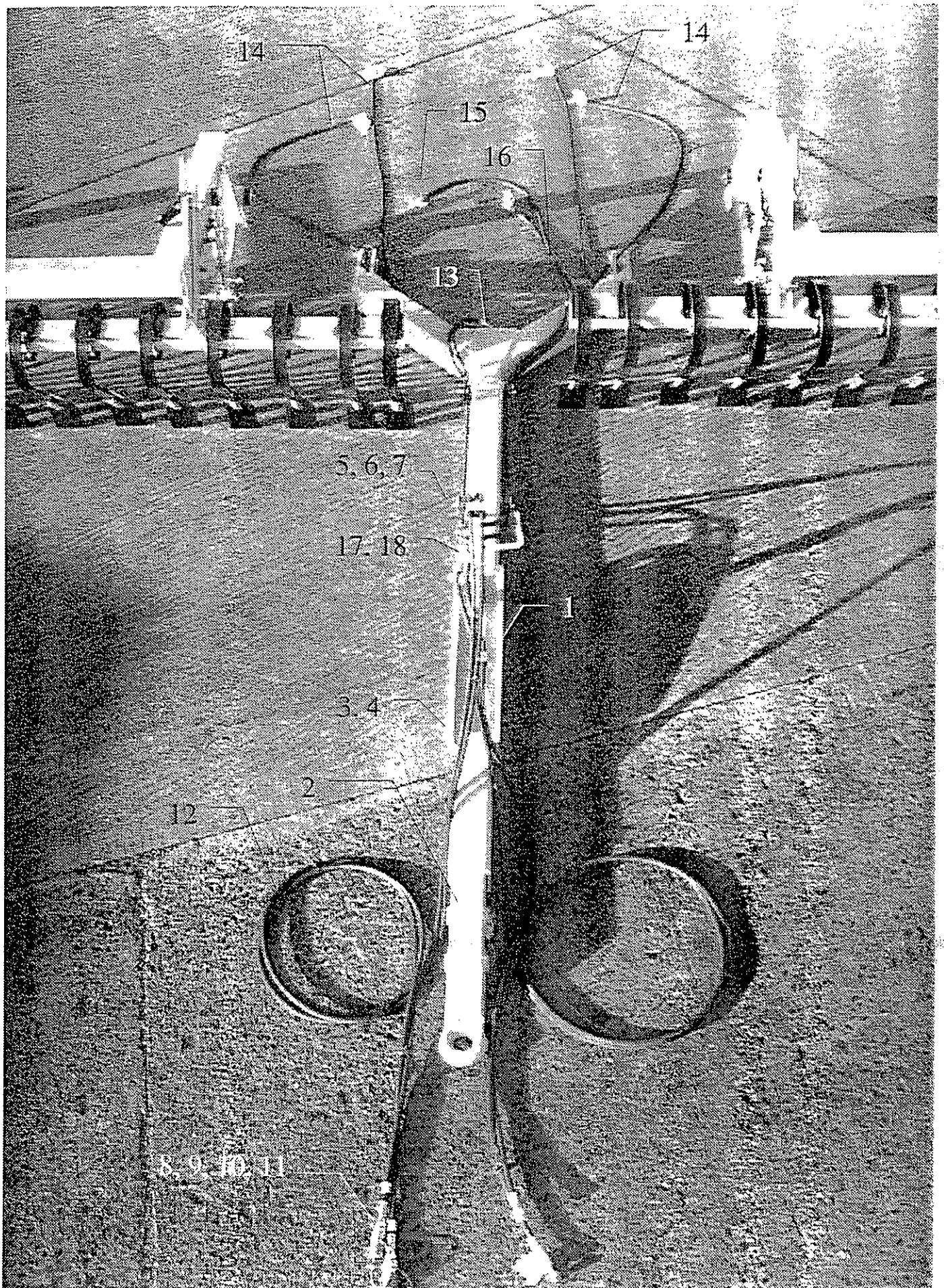
Tine angle is varied by removing the top pair of pins (Items 27 and 28, page 4), rotating the unit and then replacing the pins.

Note

It may be found necessary to move the innermost tines away from the end of their mounting rails to give a safe clearance from the drawbar ram of the roller.



Item	Part number	Description	Qty	
			6.3m	7.2m
1	183.103L	Frame Mtg	1	1
*	183.103R	Frame Mtg	1	1
2	183.100	Plate mounting	2	2
3	3933	Bolt	4	4
4	3747	Stiffnut	12	12
5	183.101	Plate arm pivot	2	2
6	183.102	Bracket arm pivot	2	2
7	183.106	Pin Pivot	4	4
8	3714	Spring Pin	12	12
9	6393	Bolt	4	4
10	5351.1	Top Plate	4	4
11	5351.2	Clamp (JAW ONLY)	8	8
12	2915	Bolt	8	8
13	8201	Bolt	2	2
14	8202	Stiffnut	2	2
15	8192	Top link assy Cat1	2	2
16	3229	Bolt	4	4
17	183. 107	Pin Link Pivot	2	2
18	3082	Stiffnut	36	40
19	8039	Bush	4	4
20	1830104	Ram Hydraulic	2	2
21	1181	Seal	4	4
22	1823	Adaptor	4	4
23	183.105	Pin Ram Anchor	2	2
24	183.113	Pin ram rod	2	2
25	3441	Bolt	2	2
26	3732	Stiffnut	2	2
27	7528	Pin Linkage	8	8
28	0832	Pin Linch	8	8
29	8190	Point 302201	32	36
30	8191	Bolt	96	108
31	8188	Tine 300691	32	36
32	8189	Clamp 303721	32	36
33	3064	Bolt	32	36
34	183.108AL	Rail tine mtg	1	
*	183.108AR	Rail tine mtg	1	
34	183.108BL	Rail tine mtg		1
*	183.108BR	Rail tine mtg		1
35	183.109	Pin bottlejack top	2	2
36	183.114	Link plate	4	4
37	8194	Bush	8	8
38	2923	G/Nipple	8	8



Item	Part number	Description	Qty
1	183.111	Drawbar	1
2	183.112	Drawbar inner	1
3	3417	Bolt	2
4	3732	Stiffnut	2
5	6393	Bolt	11
6	5351.1	Top Plate	11
7	5351.2	Clamp (JAW ONLY)	22
8	5485	Coupling QRC Male	2
9	5385	Dust Cap for QRC 5485	2
10	0909	Bonded Seal	2
11	1825	Adaptor	2
12	004.884	Hose 1/4 STx91x4850 (QRCs to Tees 13)	2
13	6942	Tee M-M-M	2
14	004.883	Hose 1/4 STx91x2320 (Tees 13 to Rams)	4
15	004.882	Hose 1/4 STx91x5800 (Wing Anc to Float valve)	1
16	004.880	Hose 1/4 STx91x3000 (Wing Rod to Tee 17)	1
17	7181	Tee 1/4 M-M-F	1
18	004.881	Hose 1/4 STx91x3400 (Tee 17 to Float valve hex Tee)	1