BROWNS EST: 1830

Agricultural Machinery Co. Ltd

Manufacturers of Farm Implements & Machinery

CONSORT

HEAVY DUTY SUBSOILER

Owners Illustrated Instruction Book & Parts List

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Sales no. 65940 – Consort Single Leg Subsoiler – Diagram 1

INTRODUCTION

The Consort is designed to fit the medium size range of tractors, using Category 2, three point linkage. The main frame uses the same construction for both the Subsoiler and the Moledrainer and the machine comes complete with a parking stand and swivel disc coulter 50688 - Diagram (a) as standard.

The Consort is protected against damage by using a shear bolt. The leg which is made of high carbon steel is also protected by a safety breakaway and has a completely reversible, renewable leading edge. Working depth can be controlled up to a maximum of 26" (660mm) without disc coulter, 22" (559mm) with disc coulter for both subsoiling and moledraining.

The Subsoiler blade, foot and share are all individually renewable.
A 'Bolt-on' wing kit (50677) is available for increased soil shatter.

WING KIT 50677 - Diagram (b)

Where the Wing Kit is to be fitted the centre two inner and outer tension pins (Items 21 and 22) should be first removed to allow the two fixing studs item 2 Diagram (b) to be fitted through the Subsoiler foot. The wings should then be secured using the nuts and spring washers (Items 24 and 25).

Sales no. 65950 – Consort Single Leg Moledrainer – Diagram 2

The Moledrainer blade and foot are both individually renewable.

Expander attachments of 3.75" (95mm) diameter and 4.25" (108mm) diameter can be obtained for use with the moledrainer blade.

Pipe laying couplings are available for 0.50" (13mm) diameter to 2" (51mm) diameter tube. (Please state required size)

OPERATION FOR MOLEDRAINER WITH PIPE LAYING ATTACHMENT

On ground where pipe is to be laid make a preparatory run with the Moledrainer without pipe feeding. This will unearth any hidden obstructions and act as a guide along which the pipe can be laid.

NOTE: ALL REFERENCES TO L.H. OR R.H. ARE TAKEN FROM THE REAR OF THE MACHINE LOOKING FORWARD.

WARNINGS

A. Do not make sharp turns whilst the implement is in the ground.

B. Check tightness of all bolts periodically.

C. Ensure the correct size of shear bolt is fitted. On no account must any other size or grade of bolt be fitted.

D. Grease the following daily.

Disc Coulter Hub Bearing - ALL MODELS

E. At the end of each working day the disc coulter and blade assembly should be cleaned and the polished parts thereof brushed over with oil to prevent rusting.

F. The use of Part No. 70345 (shear bolt) is necessary. Failure to do so will result in Warranty being null and void.

ATTACHING TO TRACTOR

1. Attach the tractor lower link arms to the L.H. and R.H. lower linkage plates using the pins (item 17) provided and secure with linch pins (item 7). Use the levelling lever to facilitate fitting and then to ensure that the implement is level with the ground, when working.

NOTE: Three height positions are available to suit conditions.

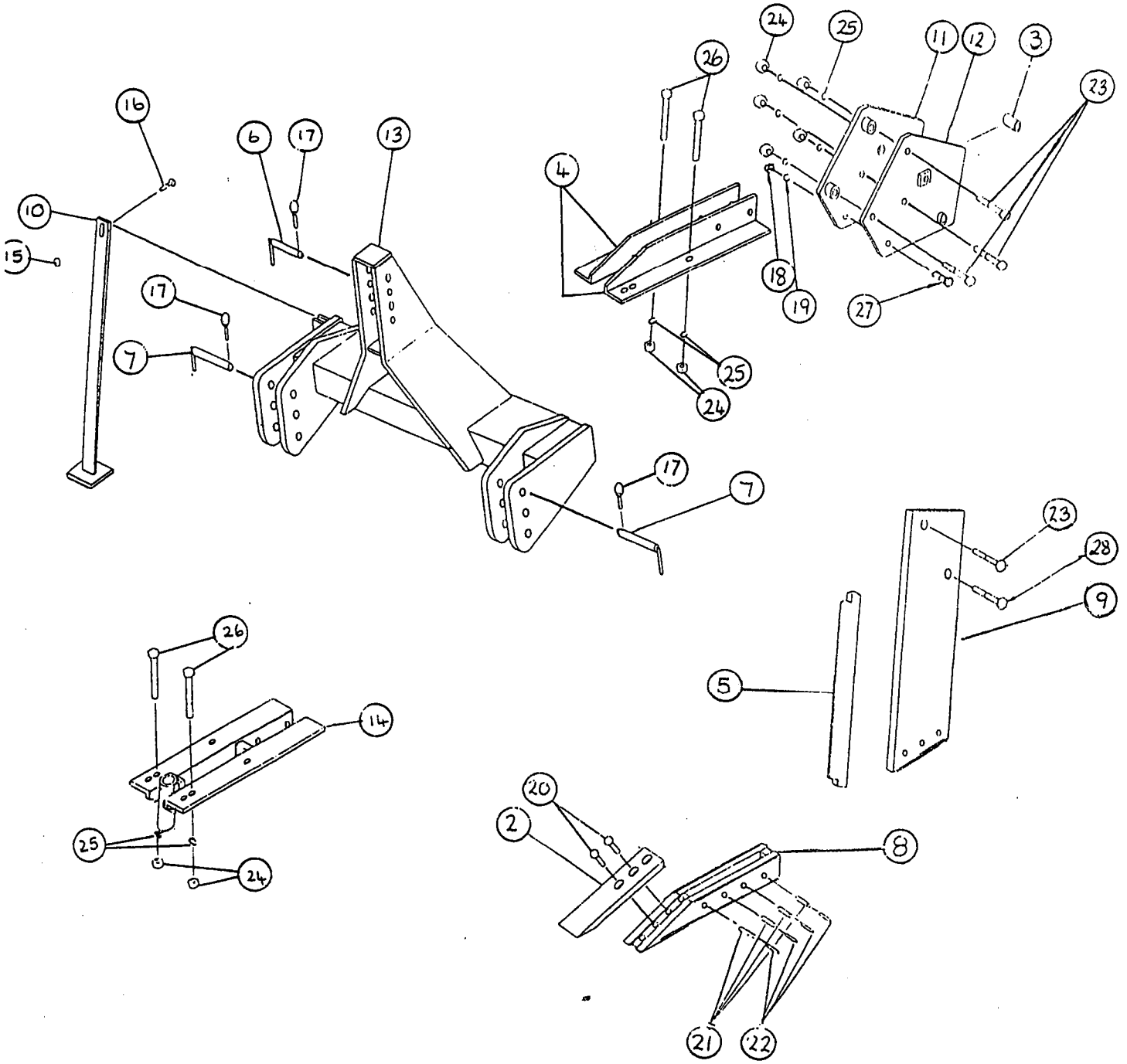
2. Adjust the tractor top link until it can be fitted to the headstock plates and secure with the top linkage pin (item 6) and linch pin (item 17).

3. The external check chains on the lower links should be adjusted so that the implement has a small amount of side movement.

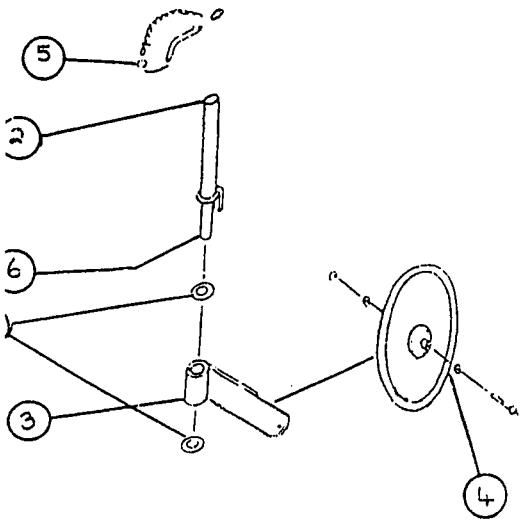
OPERATION

The required working depth is controlled by the draft control lever on the Consort. At working depth the implement must run level. This fore and aft levelling is adjusted by altering the length of the tractor top link. Too short and the implement will have a tendency to dig in resulting in excessive draft. Too long and it will tend to ride out of the ground.

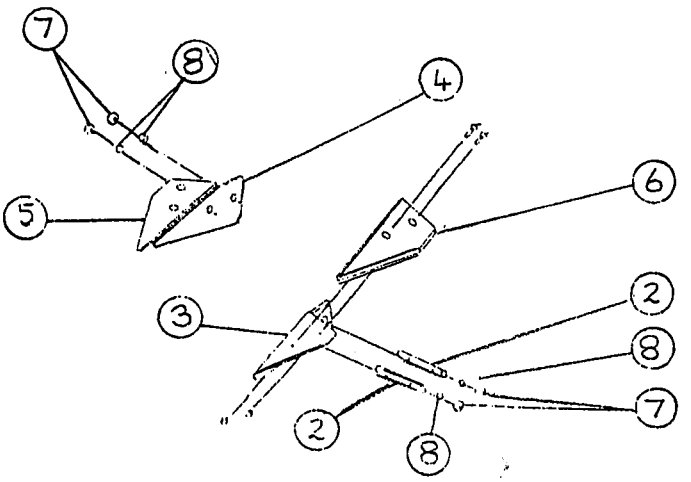
65940 – DIAGRAM (1)



50688 – Diagram (a)



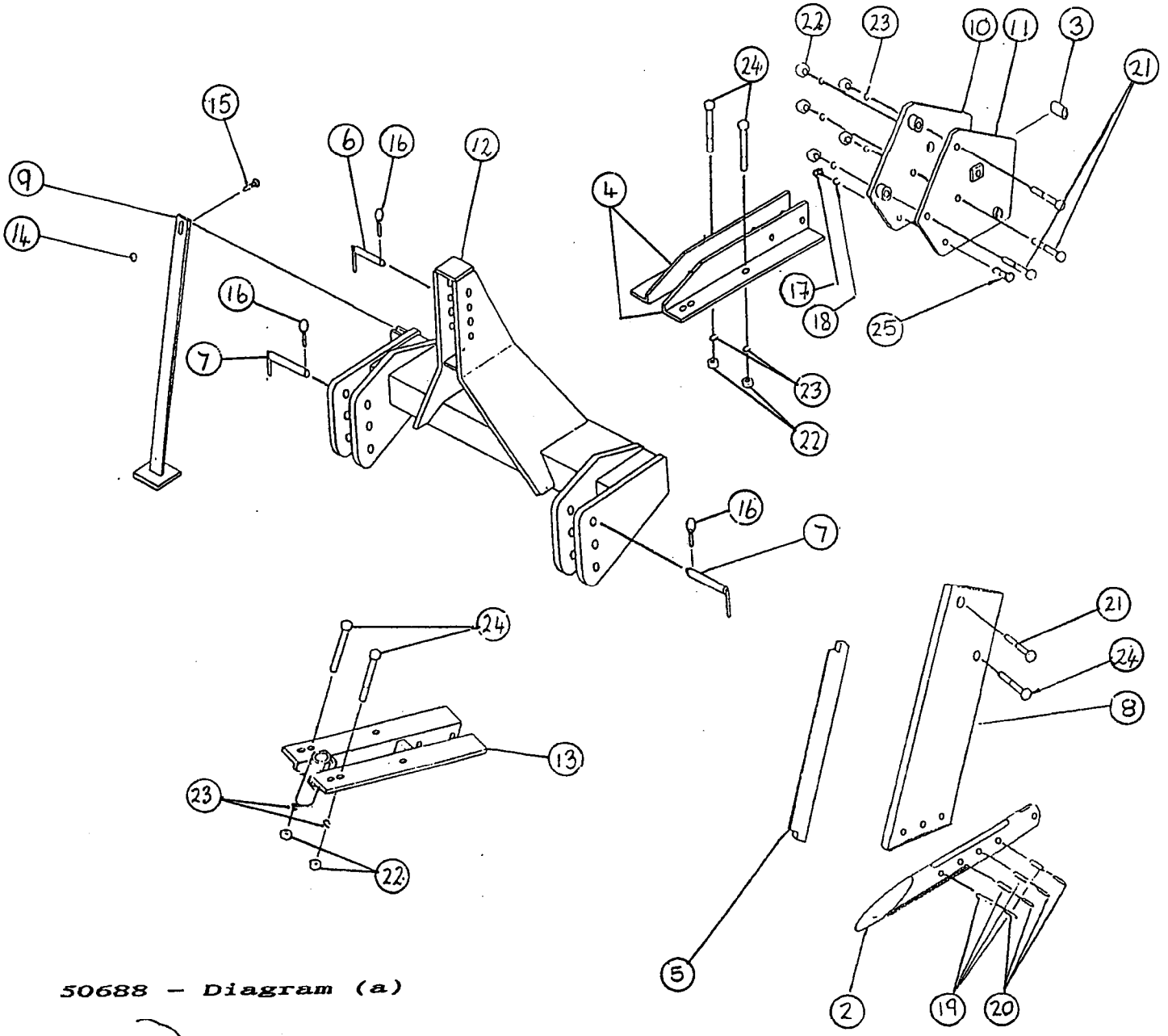
50677 – Diagram (b)



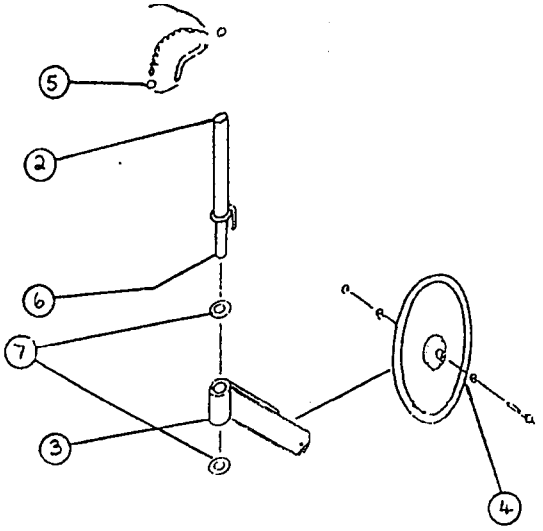
PART NUMBERS FOR 65940 DIAGRAM 1

ITEM	PART NO	QTY.	DESCRIPTION
2	11205	1	Subsoiler Point
3	11222	1	Bush
4	12667	2	Lower Angle
5	13890	1	Leading Edge
6	50075	1	Top Linkage Pin
7	50102	2	Bottom Linkage Pin
8	50580	1	Subsoiler Foot
9	50589	1	Blade Assembly
10	50666	1	Parking Stand
11	50679	1	Blade Support - R.H.
12	50680	1	Blade Support - L.H.
13	50686	1	Consort Main Frame
14	51260	1	Bottom Angle
15	70012	1	Nut (thin type)
16	70026	1	Setscrew
17	70033	3	Linch Pin 7/16 R
18	70056	1	Nut
19	70134	1	Washer
20	70242	2	Setscrew
21	70314	4	Tension Roll Pin
22	70315	4	Tension Roll Pin
23	70320	4	Bolt (See 70345 Shear Bolt)
24	70321	11	Nut (Full)
25	70324	11	Washer
26	70326	4	Bolt
27	70331	1	Bolt
28	70345	3	Bolt (Shear see 70320)

65950 – DIAGRAM (2)



50688 – Diagram (a)



OPTIONAL PIPE LAYERS & EXPANDERS
(STATE SIZE REQUIRED)

51792 – 3 3/4" (95mm) Expander
51793 – 4 1/4" (108mm) Expander

51770 – 1/2" – 3/4" Pipe Layer Assembly
51771 – 1" Pipe Layer Assembly

PART NUMBERS FOR 65950 – DIAGRAM 2

ITEM	PART NO	QTY	DESCRIPTION
2	11220	1	Moledrainer Foot
3	11222	1	Bush
4	12667	2	Lower Angle
5	13890	1	Leading Edge
6	50075	1	Top Linkage Pin
7	50102	2	Bottom Linkage Pin
8	50589	1	Blade Assembly
9	50666	1	Parking Stand
10	50679	1	Blade Support R.H.
11	50680	1	Blade Support L.H.
12	50686	1	Consort Main Frame
13	51260	1	Bottom Angle
14	70012	1	Nut (Thin Type)
15	70026	1	Setscrew
16	70033	3	Linch Pin 7/16 R
17	70056	1	Nut
18	70134	1	Washer
19	70314	4	Tension Roll Pin
20	70315	4	Tension Roll Pin
21	70320	4	Bolt (See 70345 Shear Bolt)
22	70321	11	Nut (Full)
23	70324	11	Washer
24	70326	4	Bolt
25	70331	1	Bolt
26	70345	3	Bolt (Shear see 70320)

50688 - Disc Coulter Assembly - Diagram (a)

ITEM	PART NO	QTY.	DESCRIPTION
2	50591	1	Shaft
3	50622	1	Disc Coulter Arm
4	50635	1	Disc coulter Assembly c/w Hub
5	50672	1	Pin and Chain Assembly
6	70035	1	Cotter Pin
7	70189	2	Washer (3mm Thick)

50677 - Subsoiler Wing Kit - Diagram (b)

ITEM	PART NO	QTY.	DESCRIPTION
2	11404	2	Stud
3	50675	1	Wing Mounting L.H.
4	50676	1	Wing Mounting R.H.
5	51850	1	Wing Share (R.H. c/w Nuts & Bolts)
6	51851	1	Wing Share (L.H. c/w Nuts & Bolts)
7	70056	4	Nut
8	70134	8	Washer

BROWNS

AGRICULTURAL MACHINERY

Est. 1830

EC DECLARATION OF CONFORMITY

Manufacturer	:	Browns Agricultural Machinery Co. Ltd.
Description of Machinery	:	Consort Single Leg Subsoiler
Model Number	:	65940

This machine complies with EC Directives, Transposed Harmonised Standards, National Standards and Technical Specifications as follows:

89/392/EEC 91/386/EEC 93/44/EEC 93/68/EEC EN 292 pr EN 691

The machinery has been designed taking into account the essential Health & Safety Standards as detailed in the Supply of Machinery (Safety Regulations) 1992.

For and on behalf of the Manufacturer

Name	:	J. W. G. BROWN
Status	:	MANAGING DIRECTOR

The above machinery taking into account the state of art, complies with or is designed and constructed so far as possible, to comply with the relevant Health & Safety requirements as indicated in the Technical file.