

**DENNIS**

**GANG MOWER**

**INSTRUCTION BOOK**

**& SPARES MANUAL**



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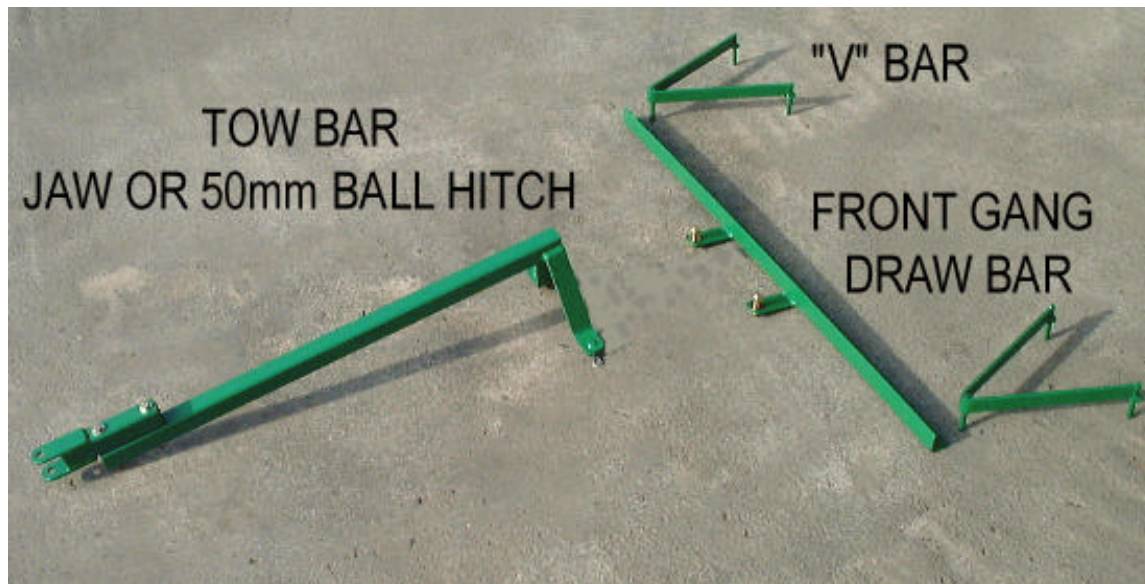
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## TOWING

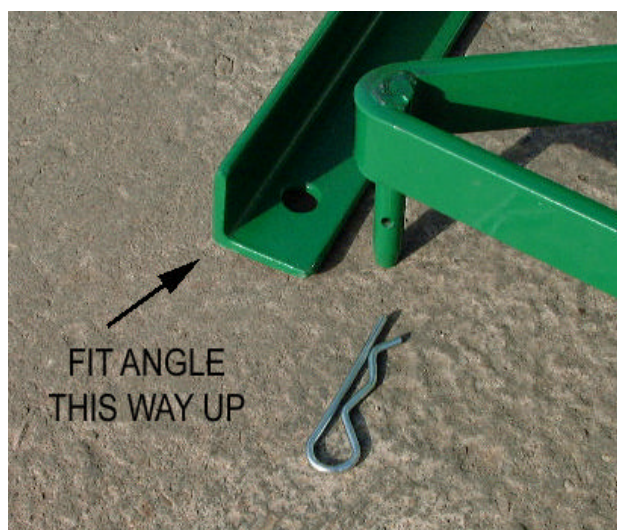
Each set of units is supplied with towing bars.



When the Gangs are used in sets of three behind small tractors etc., the front unit is attached to the prime mover by means of the towing bar with either ball or jaw hitch.

Care should be taken to ensure the attachment is level or pointing slightly down towards the tow bar of the prime mover.

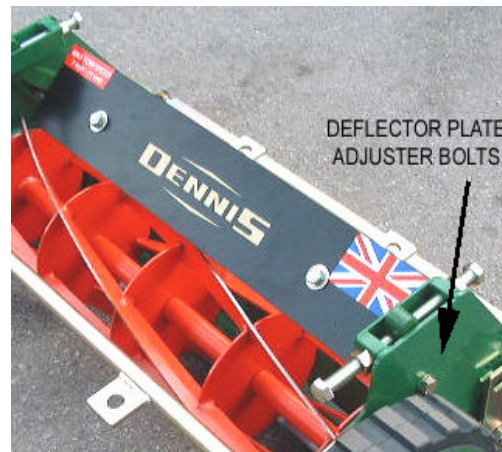
A draw bar (FRONT GANG DRAW BAR) is provided for towing the remaining two units. This is fitted to the rear of the first unit with the 2 bolts provided. The rear gang units are attached to this by means of the towing V bars being inserted in the two holes provided at the ends of the draw bar. Fit the draw bar with angle facing uphill to avoid R clips fouling.



## **MOWING**

Before mowing always remove all stones and wood from the area to be mown as these will cause permanent damage to the blades. A good mowing speed is 5 - 6 mph. Under no circumstances must the units be towed at speeds exceeding 7 mph. as bouncing will take place and cause permanent damage to the wheels and pinion drives.

Adjust the deflector plate situated on top of the unit to throw the grass up in the air and away from the machine.



If the unit clogs with grass do not continue to mow, but free off the unit. Towing the unit whilst clogged will inevitably damage the pinion gears.

## **LUBRICATION**

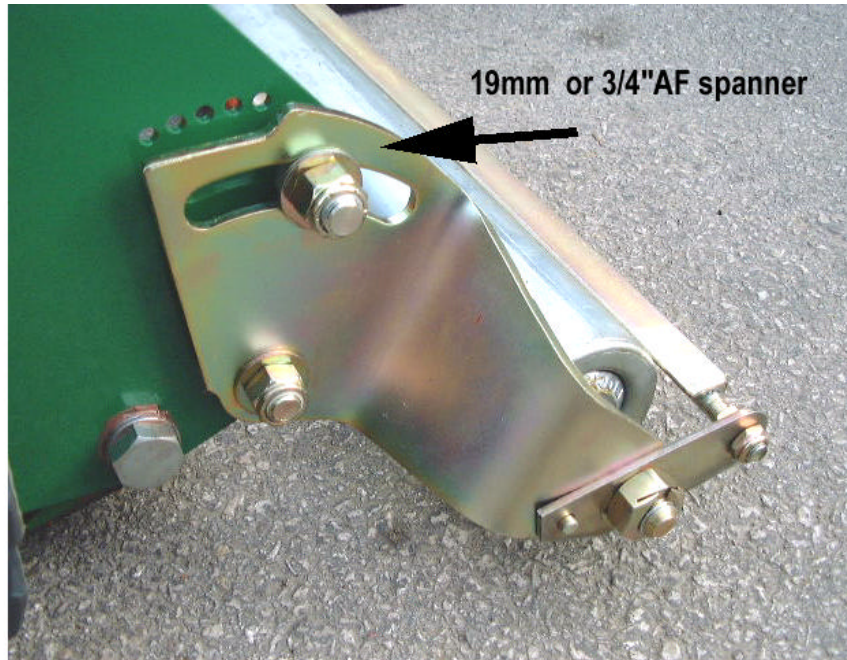
As all bearings on these machines are pre - packed no form of lubrication is needed. It is recommended however, that the cutting blades be brushed with grease when not in use.

At each service the wheels should be removed and cleaned on the inside. Grease should then be applied to the gear teeth inside the wheel and onto the axle before re assembly.



## **ADJUSTMENT OF HEIGHT OF CUT**

The height of the grass cut depends on the position of the roller. To adjust the cutting height slacken the two clamping bolts (using 19mm or 3/4 A/F spanner) of the quadrant bracket on each side of the roller and adjust roller to suit.

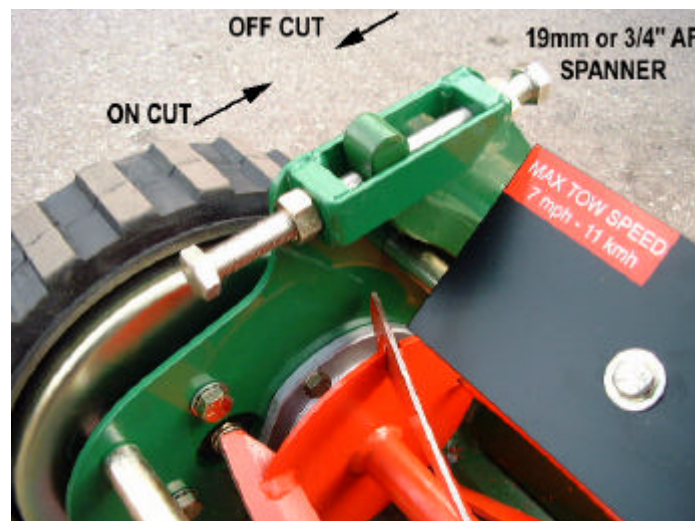


Make sure that the brackets are adjusted equally so that a level cut will result.

Guides holes drilled in the side plates of the mower frame can be used as an aid to the equal setting of the brackets.

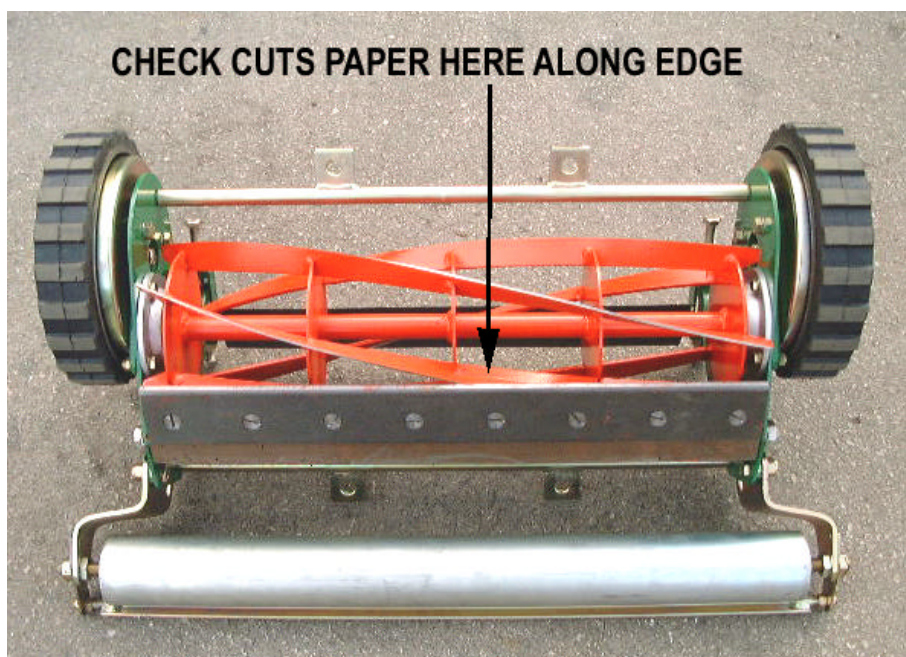
## **SHEAR BLADE ADJUSTMENT**

The blades position may be adjusted with the cutting cylinder assembly. Slacken the lock nuts (use 19mm or 3/4\" A/F spanner) and the rear locking screws then move the adjusting screws on each end of the cutting cylinder unit a little at a time until the shear blade just brushes the cutting cylinder blades along their whole length.



Balance the adjustment at each side to get this result.

As a test it should be possible to cut thin pieces of paper. If the blades are adjusted too hard against the shear blade, this will cause excessive wear on the cutting edges and possibly skidding of the wheels.



## **GENERAL**

Occasionally check nuts for tightness.

## **STORAGE**

We strongly suggest that the gangs are stored under cover if possible. A spray of WD40 or similar on the blades at the end of the season will help to prevent rust.

## **TRANSPORT**

The units are designed to free wheel in reverse so moving them about is best done by pulling the units from the rear. A simple moving handle is available. Contact our sales department for details.

## **PARTS LIST**

Left and right hand are denoted looking from the rear of the machine towards the front.

<b><u>Item</u></b>	<b><u>Description</u></b>	<b><u>No. Off</u></b>	<b><u>Part No</u></b>
<b>Cutting Cylinder Assy:</b>			
1	Cutting cylinder assy (5 blade)	1	203516
2	Cutting cylinder assy (10 blade)	1	203516A
3	Shielded bearing	2	600490
4	Spacer collar	2	197725
<b>Driven Gear Assy:</b>			
4	Driven gear R.H	1	186592
4	Driven gear L.H	1	186593
5	Driving key	2	186594
6	Driven gear washer	2	185694A
<b>Side Plate Assy:</b>			
7	Side plate R.H	1	210766
8	Side Plate L.H	1	210765
9	Adjusting screw	4	185371
	Locknut	4	604736
10	Bearing housing (c/w fixings)	2	182454
11	Driving wheel plate (c/w stub)	2	210759
12	Wheel circlip	2	066874
13	Wheel (c/w bush)	2	208150
14	Stub axle washer	2	208153
15	Dust cover (inner)	2	182236
16	Wheel bush cover	2	182102
<b>Shear Blade Assy:</b>			
17	Shear blade carrier	1	210795
	Pivot set screws	2	185379
18	Shear blade	1	6717/2
19	Shear blade screws	8	185378
<b>Frame Assy:</b>			
20	Tow bar	2	197582
21	Deflector plate crossbar	1	185368
22	Deflector plate (c/w transfers)	1	178548
	DENNIS transfer	1	B32902
	V tow bar (c/w chain & R clips)	1	210767
	50mm ball hitch complete	1	210769A
	Jaw hitch complete	1	210769B
	Spread bar for 3 gang set	1	198776
<b>Rear Roller Assy:</b>			
23	Roller carrier side plate R.H	1	197671A
23	Roller carrier side plate L.H	1	197671
24	Roller assembly complete	1	210762
	Double ended stud	2	192135
27	Side plate for scraper	2	198661

