

Manual Maredo® GT 300-REV042 Vibe Smoother.

SERIAL:

IMPORTANT NOTE:

The required (hydraulic) power depends on the working depth, soil conditions, working speed etc. The condition of the triplex greensmower and the ambient temperature determine the available capacity. Everybody should check the greensmower during work if it isn't overloaded by checking the heat built up and take the correct measurements . MAREDO DOES NOT TAKE ANY LIABILITY FOR GREENSMOWER DAMAGES.



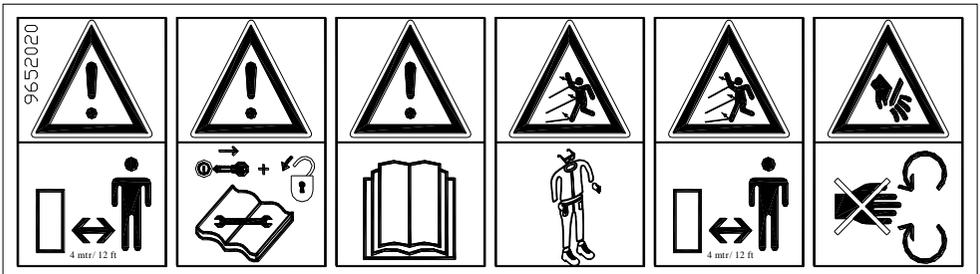
Note:

For a safe operation it is essential, that the operator reads and understands the manual of the Maredo head and the triplex machine.

MAREDO BV, RIJKSSTRAATWEG 16, 3956 CR LEERSUM, HOLLAND.
WWW.MAREDO-BV.COM. EN 1250

SAFETY INSTRUCTIONS.

1. Never **disconnect or shortcut any of the safety devices.**
2. Every **MAREDO user must be fully informed** and understand the safe use of the MAREDO machine.
3. **Inspect the ground**, where the MAREDO machine is to be applied. Remove loose obstacles, avoid uneven areas.
4. **Drive carefully** during work and during transport.
5. Ensure that **other people are standing at least 4 mtr./ 12 ft away** from the MAREDO machine during work and transportation.
6. **Use appropriate clothing**. Wear strong shoes with steel enforced toe caps, long trousers, gloves, tie up long hair and use protection glasses for the eyes.
7. **Never overload** the MAREDO. This is visible when the head starts to vibrate or behave unstable.
8. **Check the MAREDO minimal once a week**, to ensure there are no loose bolts and nuts. Check for damages too and repair them.
9. The MAREDO **may never be used without protection covers** and safety decals.
10. **Use only original MAREDO spare parts**, in order to ensure the safe operation of the machine.
11. **Never use the MAREDO** in the dark, in heavy rains, on frozen grounds, stony conditions and/ or on slopes steeper than 30 degrees.
12. **Maintain a log book** of the repairs.
13. Be aware that **changes made at the MAREDO**, releases MAREDO from CE regulations. You should homologate the machines yourself



FOREWORD.

Congratulations with the purchase of your MAREDO®. To ensure the safe and long lasting operation of the MAREDO machine, you and anyone using the machine, should read and understand this user's manual.

Also ensure that you understand and practice the safety rules, as described in this manual.

This MAREDO machine is delivered accomplished by a guarantee against material and assembly errors. This guarantee applies for a period of 12 months, as from the date of purchase.

TECHNICAL SPECIFICATIONS.

Model	: GT 300-042
Working width	: 520 mm/ 21" per head
Working depth	: +10 -> -10 mm (+3/8 -> -3/8")
Driving speed	: 2.5- 3.0 km/h / 1.6- 2.0 mph
Weight	: 55 Kg/ 110 lbs per head.

EU- declaration.

We, MAREDO, Rijkstraatweg16, 3956CR. Leersum, Holland, hereby declare fully on our authority, that the product:
MAREDO GT 230, with serial number as indicated on the machine and in this manual, to which this declaration applies, has been manufactured in line with NEN-EN –ISO 14121-1:2007, according to the stipulations of The Machine Directive 2006/42/EG.



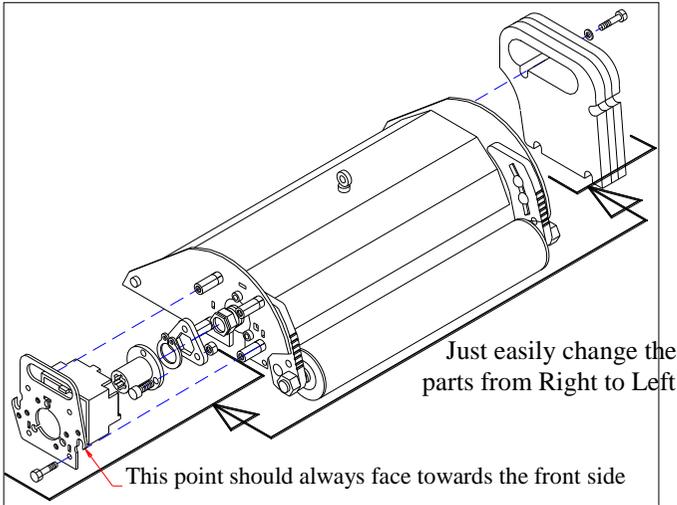
Marinus Reincke Maredo BV Holland.

TIPS/ REMARKS.

1. **Clean the unit regularly with air or low pressurized water. DON'T USE HIGH PRESSURIZED WATER.** The water can enter the bearings causing them to seize.
2. **Use the trolley to move the heads easily to you triplex.** Next connect the head to your triplex. In some cases you need to raise the head and remove the trolley, before you can mount the hydraulic motor.
3. **Be careful with tightening the hydraulic motor bolts.** Do it evenly and do not over tighten. The ears of the hydraulic motor may crack.
4. Raise the heads and see if they stay in the right position and does not hit anything. If it does, make some adjustments till it fits well.
5. Be sure that the heads do have **enough ground clearance.** Otherwise the shoes can hit the ground during transport, causing them to damage.
6. **Make your first test run outside the green.** Play with the engine throttle and the driving speed. Continue till you are satisfied.
7. Be sure that the **hydraulic motor speed setting of the triplex is set at its maximum.**
8. **Be careful with dropping the units on a hard (concrete) floor.** Put something (trolley or rubber carpet) underneath to protect the shoe plates against damages. Damage to the heads may also occur.
9. Check bolts and nuts regularly. Re-tighten if necessary.
10. The optimum forward driving speed is 2,5- 3.0 kmh. At this speed the shoes push vertically down and enrol themselves along the surface. If you go faster or slower, the shoe plates may slide along the surface (isn't a problem, but it is better to prevent).
11. **START AND STOP PROCEDURE:** Set the engine throttle at appr. 80%. Drop the heads on the green and move forwards. Increase throttle till 100% of max revs. **At the end of the pass** raise the heads fully.
12. You can make curves with the heads during work, **BUT DO NOT MAKE TIGHT CURVES.** Damages to the units and green may appear.
13. **CHECK THE (HYDRAULIC) DRIVE OF THE GREENSMOWER REGULARLY. DO NOT OVERHEAT THE (HYDRAULIC) DRIVE. MAREDO IS NOT RESPONSIBLE FOR DAMAGES TO THE GREENSMOWER.**

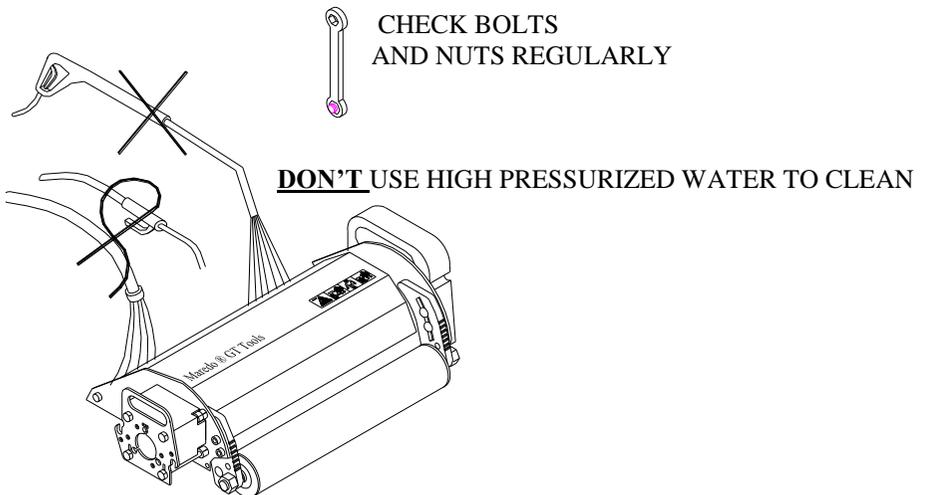
FIRST SETUP:

The heads are standard delivered with the motor connection at the Right Hand side. We can easily swop this to the Left Side by removing the clutch parts and mount them to the other side of the machine (swop the side weights at the same time). Be sure you mount them in exact the same position as before (do not mirror them), see picture.



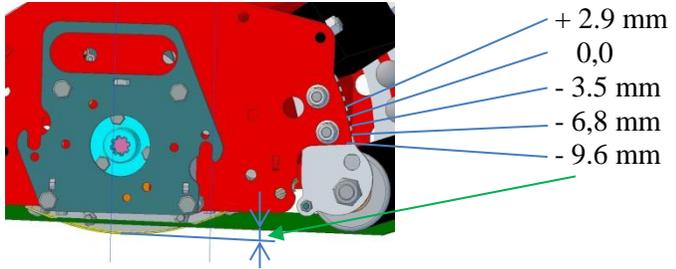
Next, we need a parts kit to mount the head to your triplex greensmower. Maredo has several kits available. Each kit comes with its own mounting instructions and partslist.

MAINTENANCE.

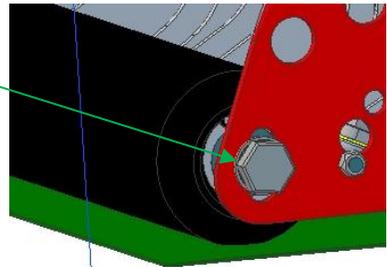


ADJUSTMENTS/ IMPORTANT NOTES.

By changing the front roller position, the distance of the shoe to the ground changes. So you can set it for a light or heavy job.



The rear roller stays in the centre hole. However if you want an even heavier job, you can mount the rear roller in the top hole.



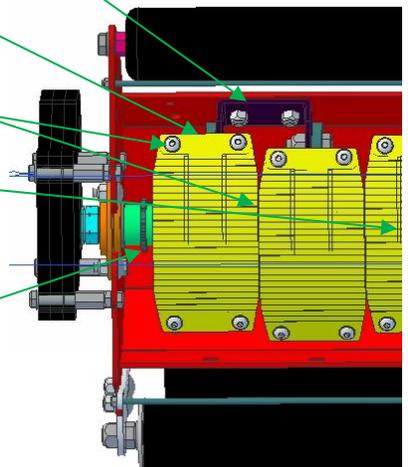
For inspection or easy access, you can turn two complete tine sections around, if you loosen the U bracket from the main frame.

The shoe plates can easily be exchanged when damaged or worn.

The distance between the shoe plates can be changed by loosening the 4 bolts of the shoe plate

If you want to re-adjust the distance, start in the centre and move side wards.

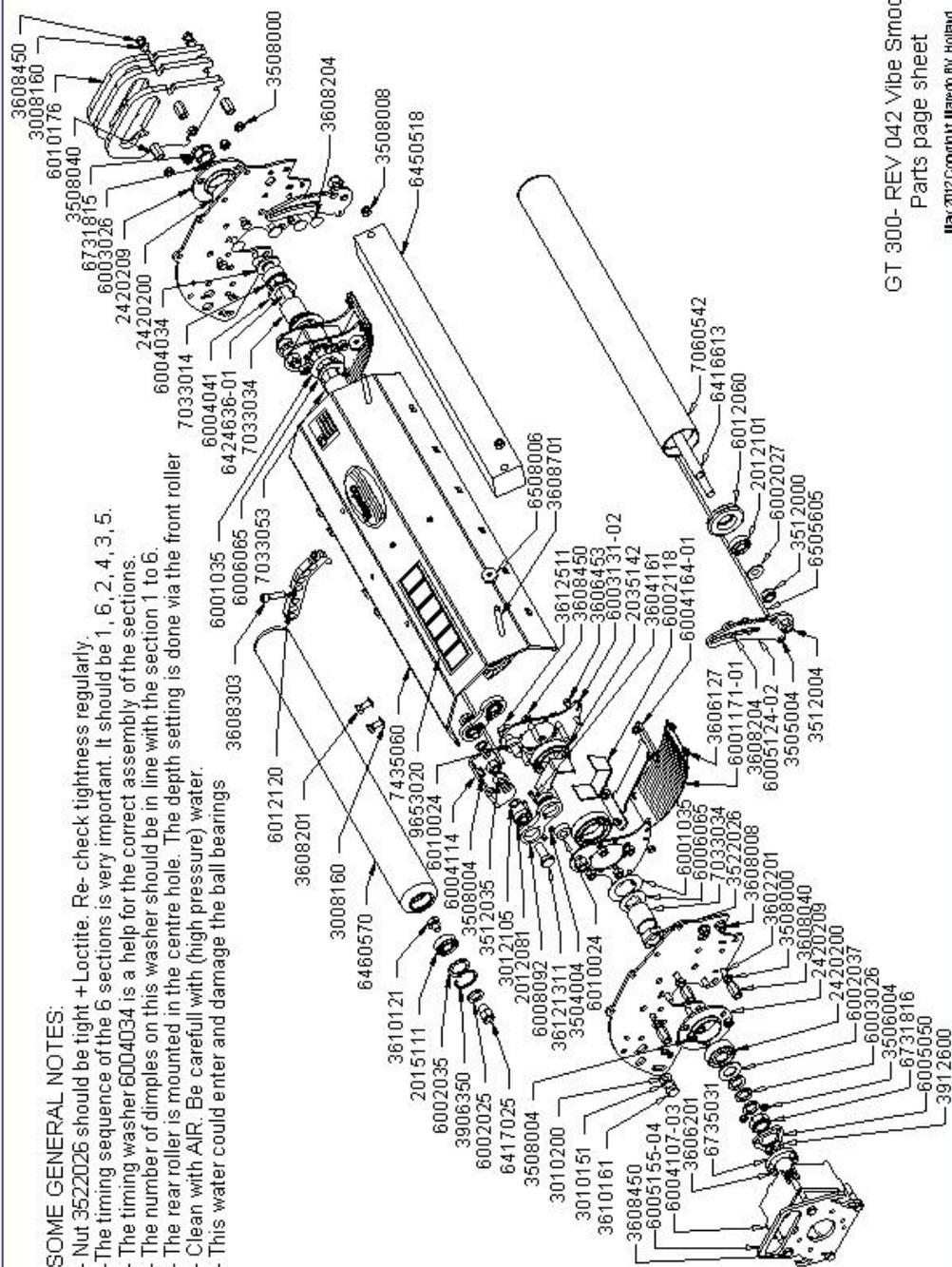
Timing washer; the face with cut-outs should be in line with the section (numbered from 1-6 from left to right or v.v.). The right sequence is: 1, 6, 2, 4, 3, 5



Quant.	Part Number + Name	GT300 REV 042
12	2012081 Bearing 6001 2RS	
2	2012101 Bearing 6201 2RS	
2	2015111 Bearing 6202 2RS	
12	2035142 Bearing 6007 ZZ	
2	2420200 Bearing SC 204	
2	2420209 PF 204 housing	
10	3008160 Washer M8 DIN 125A	
2	3010151 Spring washer M10 6798A	
4	3010200 Washer M10 DIN 125A	
6	3012105 Shimm washer 12-18-1 D988	
12	3504004 Self lock nut M4 D985	
4	3505004 Self lock nut M5 D985	
39	3506004 Self made nut M6 985	
8	3508000 Nut M8 DIN 934	
24	3508004 Self lock nut M8 D985	
4	3508008 Self lock nut with washer D6926	
8	3508040 Nut M8 DIN 6334	
2	3512000 Nut M12 DIN 934	
2	3512004 Self lock nut M12 D985	
12	3512025 Self lock nut M12 x 1.25 DIN 985	
1	3522026 Low height nut M22 x 1.5	
12	3604161 Bolt M4 x 16 DIN 933	
24	3606127 Hex button head screw M6x12 with washer ISO 7380ULF	
3	3606201 Bolt M6x 20 DIN 933	
12	3606453 Hex socket screw M6x45 8.8 D912 zinc plated	
4	3608161 Bolt M8 x 16 4017 SELF	
10	3608201 Bolt M8 x 20 ISO 4017	
2	3608303 Hex socket screw M8 x 30 DIN 912	
32	3608450 Bolt M8 x 45 DIN 931	
2	3608701 Bolt M8 x 70 4017 S	
2	3610121 Bolt M10 x 12 DIN 933	
2	3610161 Bolt M10 x 16 DIN 933	
6	3612311 Bolt M12 x 30 x 1.25 DIN 961	
6	3612511 Bolt M12 x 50 x 1.25 DIN 961	
2	3906350 Cir clip D=35 DIN 472	
1	3912600 Cir clip d=26 DIN 471	
12	6001035-02 Shimm washer 35-56-05	
6	6001171-01 Shoe plate 1 mm	
2	6002025-02 Washer 25 - 15- 2	
2	6002027-02 Washer 30- 12- 1.5 1150	
2	6002035-01 Washer 35 - 25 - 2	
1	6002037-01 Washer 37 - 20 - 2 204 bearing	
12	6002118-02 U distance plate 6007 1109	
4	6003026-00 Washer d18 D27 s3	
12	6003131-02 Main side support plate shoes 300 1109	
1	6004034-01 Washer 37- 20 - 4	
1	6004041-00 Timing and grip plate Hex 24	
1	6004107-03 Distance plate motor mount plate 1145	
3	6004114-00 U support inside for connecting rod	
6	6004164-01 Shoe mount plate 1109	
2	6004356-05 Side plate GT frame	
1	6004591-05 Central bridge for 7435060	
1	6005050-01 Clutch plate with hex hole	
2	6005124-02 Front roller support 210 1150	
1	6005155-04 Hydr motor mount plate GT 1145	
12	6006085-04 Excenter plate Hex 24- 3.50	
6	6008092-01 Connecting rod	
12	6010024-01 Distance bush 24-12-L10	
3	6010176-02 Counter weight GT black	
2	6012060-00 Bearing support front roller GT	
1	6012120-03 Pick up cam for GT D shackle	
1	6416613-00 Front roller shaft 6201 GT	
2	6417025-00 Stud for massive roller	
1	6424636-01 Main shaft for GT 24 mm M22	
1	6450518-03 Weight square 50 black	
1	6460570-04 Massive roller GT black	
1	6505597-00 Roller scraper 5 x 597	
1	6505605-00 Rear roller scraper	
2	6508006 Nut M8 H6 Hex22	
1	6731815-00 Drive nut M18 Left	
1	6731816-00 Drive nut M18 Right	
1	6735031-02 Slined drive bush GT	
1	7033014-00 Distance bush Hex 24 L14	
2	7033034-00 Distance bush Hex 24 L34	
5	7033053-00 Distance bush Hex 24 L53	
1	7060542-02 Front roller GT	
1	9653000-01 Maredo Logo oval decal	
1	9653010 CE Decall standard	
1	9653020 Safety decall standard	

SOME GENERAL NOTES:

- Nut 3522026 should be tight + Loctite. Re-check tightness regularly.
- The timing sequence of the 6 sections is very important. It should be 1, 6, 2, 4, 3, 5.
- The timing washer 6004034 is a help for the correct assembly of the sections.
- The number of dimples on this washer should be in line with the section 1 to 6.
- The rear roller is mounted in the centre hole. The depth setting is done via the front roller
- Clean with AIR. Be careful with (high pressure) water.
- This water could enter and damage the ball bearings



Print instructions (depend on printer model):

Voorkant dik: Print page 8,1 OP DIK PAPIER

Dan pagina's: 6,3 , BLACK/ WHITE

Als je deze pagina's ongestoord weer naar onderen legt op de printer, dan
vervolgens printen: 4,5 /2,7