



coaster **R300**
advanced technology

Instruction/Service Manual





INDEX

MAINTENANCE / SERVICE MANUAL	PAGE
1. Foreword	1
2. Important	1
3. Warranty Registration	1
4. Warranty Service Problem	1
5. Warranty Policy	1
6. Warranty Exclusions	2
7. Parts Installed During Warranty	2
8. Preventative Maintenance Program	2
9. Cleaning Your Buggy	2
10. Rear Wheel Axles	2
11. Upper & Lower Bag Straps	3
12. Correcting the Alignment of Your Buggy	3
13. MGI Service Schedule	3
14. Service Record	4



INDEX

INSTRUCTION MANUAL	PAGE
1. Most Important points to read prior to using your buggy	5
2. Charging and care of the Battery	5
3. Fitting the Battery	6
4. Battery Lead Fuse	6
5. Fail Safe Connection	7
6. Attaching / Removing Wheels	7
7. Locking the front wheel	7
8. Gear System	8
9. Folding / Unfolding the Buggy	8
10. Fitting your Golf Bag	9
11. Assembling the Umbrella Holder	9
12. Operating the Digital Top Box	9
13. Three distance modes	10
14. Controlled Distance Function [CDF]	10
15. Competition Mode	11
16. Security Pin Code	11
17. Battery Indication Light	11
18. Power Port	11
19. Frequently Asked Questions	12
20. Further information	12



MAINTENANCE SERVICE MANUAL

1. Foreword

Congratulations on the purchase of your Coaster R300 buggy. To ensure continued efficiency of your MGI motorised buggy, regular maintenance at periodic intervals is essential. For guidance, this booklet contains a schedule applicable to the maintenance required at the appropriate times and a service record.

2. Important

If operating in conditions such as those mentioned below, speed controls, clutches, frame alignment, adjustment, tightening and axle alignment should be serviced at more frequent intervals than specified in this booklet:

- a. playing more than twice a week
- b. damp or wet conditions
- c. rough, dusty or sandy conditions
- d. hilly conditions

3. Warranty Registration

Warranty registration can be made on-line at www.mgi-golf.com

Important: To locate your serial number, look underneath the top control box or underneath the battery tray. It will begin with the letters AR. Example: AC1B21104101047

4. Warranty Service Problem

Purchase date of the motorised buggy must be given before warranty is accepted for processing. In the event of a need for warranty service, either refer to the list of authorised service centres on our website or email servicecentre@mgi-golf.com

5. Warranty Policy

Coaster R300 is covered for a period of 24 months from date of the purchase, MGI or an authorised service centre or person will repair or replace free of charge any parts found to be defective in materials or workmanship under normal use provided that:

1. The Coaster R300 has been properly used, maintained and regularly serviced
2. The replacement or repair is performed by an authorised MGI service centre or the owner with MGI approval.

***SLA battery and charger are covered by 12 months warranty only**



6. Warranty Exclusions – the following events will void warranty:

- a. Any alteration performed by non authorised people or companies.
- b. Fitting of parts or accessories not recommended by MGI.
- c. Any damage caused by continued operation of the motorised buggy after it is known to be defective.
- d. Damaged seat support bracket on buggy chassis

All implied warranties [save those preserved by statute] are excluded. Liability for consequential damages under any and all warranties are excluded to the extent exclusion is permitted by law.

7. Parts Installed During Warranty

Warranty coverage for components installed during a motorised buggy's warranty period shall consist of the duration of the buggy's warranty period, provided the warranty installation is performed by MGI, an authorised service centre or the buggy owner on approval. Replacement of parts under warranty will not extend the warranty of the buggy or parts.

8. Preventative Maintenance Program

To properly provide for the continued operation of your motorised buggy, MGI has introduced its Preventative Maintenance Program [PMP]. The PMP consists of work to be carried out by both the owner and authorised service centres. To properly maintain the warranty of your MGI motorised buggy, it is essential that this work is carried out. If the work carried out by the authorised service centre is to replace parts that are part of the maintenance schedule, the owner will be charged for the parts and labour. If the work to be carried out is part of warranty, MGI will bear the cost.

9. Cleaning Your Motorised Buggy [See Maintenance Schedule]

For years of good operation, your buggy requires care and attention. Keep your buggy clean by using a cloth with warm water and a mild detergent. Do not hose down your buggy under any circumstance, as your buggy has electronic components. Ensure that the seat stem bracket is free from sand.

10. Rear Wheel Axles [See Maintenance Schedule]

The rear wheel stub axles need to be lubricated regularly. Remove the rear wheels by depressing the spring clip and at the same time pull off the wheel. Apply Petroleum Jelly or light grease to the stub axles. Use a very small amount as the grease can attract sand. If you play in sandy conditions you should clean your axle and regrease fortnightly. To refit the rear wheels you will need to align the wheel's four sided slot to its equivalent on the buggy to ensure the wheels are properly engaged.



12. Upper & Lower Bag Straps [See Maintenance Schedule]

The bag straps should be replaced as per the Service Schedule. The upper bag strap can be replaced by:

1. Removing the left and right hand straps from the upper bag support
2. Undo and remove the screws holding the strap in position on the bag support
3. Remove and replace both bag straps
4. Insert bag strap securing screws

13. MGI Service Schedule

It is the owner's responsibility to ensure that all periodical checks, necessary adjustments and services are carried out. If in doubt please contact the MGI service centre on 1300 644 523. Any work performed on your buggy should be recorded on your service record (see page 5) regardless of the work.

Coaster R300	Monthly	6 Monthly	Yearly	3 Yearly
Wipe down the buggy with a warm cloth after each use	BO			
Lubricate rear wheel stub axles	BO			
Check & tighten nuts & bolts		BO /SC		
Check & tighten handle pivots		BO/SC		
Check alignment of buggy – ensure that it runs straight		BO /SC		
Replace fused battery leads (SLA batteries only)			BO/SC	
Replace speed controller & On/Off switch assembly			BO/SC	
Replace rear and front wheels				BO
Replace upper & lower bag straps				BO
Replace handle grips				BO/SC

BO = Buggy owner can carry out this work

SC = Charged work to be carried by approved service centre

BO/SC = The six monthly service can be completed by either an authorised service centre or the owner of the buggy.



The tools to tighten all nuts and bolts are provided with your maintenance / service and instruction manual. As part of MGI's Preventative Maintenance Program, if the six monthly services are carried out by an authorised service centre, you will be charged for that service. Each yearly service should also include the six monthly service.

It is important for your warranty and the life of your buggy that the service record be observed and maintained. Monthly cleaning and lubrication need not be recorded on the service record.

14. Service Record for All Buggies

6 month inspection	Date: Invoice #:	Serviced by: Signature:
1 year inspection	Date: Invoice #:	Serviced by: Signature:
1 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
2 year inspection	Date: Invoice #:	Serviced by: Signature:
2 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
3 year inspection	Date: Invoice #:	Serviced by: Signature:
3 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
4 year inspection	Date: Invoice #:	Serviced by: Signature:
4 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
5 year inspection	Date: Invoice #:	Serviced by: Signature:
5 ½ year inspection	Date: Invoice #:	Serviced by: Signature:
6 year inspection	Date: Invoice #:	Serviced by: Signature:



INSTRUCTION MANUAL

1. Most Important points to read prior to using your buggy

- Charge the battery [see below]

2. Charging and care of the battery

The Coaster R300 is designed to take either the standard SLA 21/28 amp/hr battery OR MGI's Lithium Ion 12 volt battery. The charger should be matched with its respective battery by ensuring the same coloured connector is on the battery. For example the 12v SLA charger with the Red and Black connector and grey outer casing is to be connected to a 12v SLA battery also with a Red and Black connectors. Connect Red to Red and Black to Black. For 12v lithium chargers, connect the blue connector with blue outer casing to blue connector on the 12 v lithium battery.

Do NOT connect unmatched batteries or chargers otherwise the warranty on each item will be void.

- Plug the charger into a powerpoint and attach the battery lead to the charger, matching the connections properly.

- Always recharge the battery as soon as possible after use, no matter how short the period of use. Your battery will charge best, lying flat, in a warm and air flowing location.

Note: In winter, it is best charged off any concrete floor and preferably in a warm location within the house.

- During play, minimise the drain on the battery by avoiding taking your buggy into the rough whenever possible.

- Avoid as much as possible using the buggy to pull you up the hills

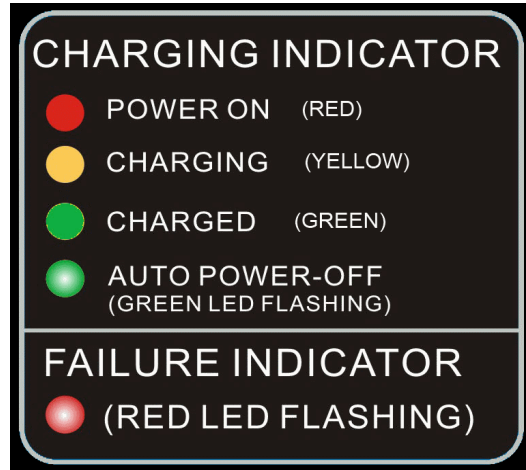
- In between use, always leave the charger connected to the battery with power on.

- The battery is a sealed battery. If you are intending to take your buggy and battery on air travel, we advise that you make contact with your airline prior to travel.

- Be very careful not to drop your battery. The battery casing is easily cracked and the battery's subsequent life will be severely compromised.



LED Indicator



- The Red LED illuminates to indicate the charger is power on.
- The Yellow LED indicates the battery is charging.
- The LED will turn Green when the battery is fully charged.
- The LED will flash Green when the battery is on float charge.
- The 12v SLA charger will power off automatically after being on float charge for three hours. The 12v lithium ion charger will power off automatically after being on float charge for 18 hours.

3. Fitting the battery

Once charged, the battery can be fitted to the buggy. The SLA battery comes with a battery cover, carry handle and battery leads.

- Place your battery in the tray with the leads facing to the front of the buggy.
- Ensure the white dots on fused battery lead connection are aligned with the battery tray
- The battery tray has a battery securing strap.
- The securing strap is to be used at all times as it protects your battery against damage from falling out.
- The battery lead can now be connected to the battery tray. Connect red to red and black to black for SLA battery or blue to red and black to black for lithium.

4. Battery Lead Fuse

Your battery has a 30 amp fuse connected to the battery lead. The 30 amp fuse helps protect the buggy's control board against a power surge. An extra fuse is supplied with your buggy.

In the unlikelyhood of your buggy stopping, the reason could be the fuse has blown. Check and replace if necessary. The replacement of the fuse will allow you to continue using your buggy. If the fuse blows, contact your service centre.



5. Fail Safe Connection

Your buggy has been equipped with fail safe battery connection. Your buggy will only start if the speed control has first been switched off.

6. Attaching / Removing Wheels

To attach the wheels, place the wheel on the axle. Push the release button across and push the wheel on as far as it can. You will notice you need to match up the female slots of the wheel and the male of the axle. When placed in position simply release the button. You will notice you hear a “click” when the wheel is properly secured. To check that the wheel is properly in position pull on the wheel. If it is properly in position it will not move.



7. Locking/Unlocking front wheel

Each buggy is checked for straight tracking prior to leaving the factory. In the unlikely event the Coaster R300 is not tracking straight, the front wheel can be adjusted to regain straight tracking.

The position of the bolts to alter the tracking are located behind the front wheel housing. To make easier adjustment rotate the wheel so the rear of the wheel is now out the front of the buggy. You will see the two nickel plated bolts that use Allen keys for adjustment

If the Coaster R300 veers left, use the Allen key provided to screw the right bolt anti clockwise and/or the left bolt clockwise. If the Coaster R300 veers right, screw the left bolt anti clockwise and/or the right bolt clockwise.





8. Gear system

Your buggy uses a gear system, whereby the two rear wheels do not free wheel. The motors need to be running for the buggy to move. Your buggy is equipped with a Gradient Sensor, meaning it will apply downhill speed control ensuring your buggy will not take off. If for some reason your buggy stops operating during your golf round your buggy can free wheel. Simply depress the quick release tag and at the same time move the wheel outwards approximately 10mm from its original position. By doing this, you have disconnected the wheels from the drive and they can rotate freely. Your buggy is equipped with a Gradient Sensor, meaning it will apply downhill speed control ensuring your buggy will not take off.

9. Folding/unfolding your buggy

Practice unfolding and folding the buggy using the steps below. This means when you go to play golf you will be somewhat familiar with this task.

1. Lift the black height adjusting lever located halfway down the handle [Diagram 1]
2. Lift the handle gently and at the same time turn the lower release button on front wheel assembly to the left [Diagram 2]
3. Lift the main handle up completely. Both the top handle and the lower handle will click into place. Now lift the top bag support up until it clicks into place also.
4. The top handle has multiple positions. Adjust to suit your requirements and close the black lever to secure the handle in place.
5. Slide seat into the bracket on the right side of the buggy [Diagram 3]
6. Slide sand bucket loop into the bracket on the left side of the buggy. Use the screw to secure the sand bucket loop [Diagram 4]

**MOST IMPORTANT: DEPRESS THE SEAT WITH YOUR HAND BEFORE SITTING.
DO NOT USE THE SEAT ON UNEVEN SURFACES.**

*MGI does not warrant any seat support brackets that are damaged or bent.





10. Fitting your Golf Bag

Securing the top bag strap

1. Provide a good position for the positioning of both ends of the elasticised straps
2. Stretch the longer end of the strap and secure to the extended shorter end
3. The attached strap should now be connected

Adjusting the length of the top strap

-The plastic bar on the longer length can be adjusted to ensure the bag is secured properly in place.

Securing the lower bag strap

-Simply by holding the central tag, pull the elasticised strap over the bottom of the golf bag.

11. Assembling the Umbrella Holder

Your buggy comes with an umbrella holder. The umbrella holder needs to be bolted into position. When not in use the umbrella holder can be turned to its side. If you take your buggy home in your car, you may need to do that prior to folding the buggy down.

Your umbrella holder can be adjusted both to the side and backwards and forwards. The umbrella is secured inside the umbrella holder by tightening the plastic bolt located near the top of the holder.

DO NOT LEAVE YOUR UMBRELLA UP IN THE UMBRELLA HOLDER IN WINDY CONDITIONS.

If the wind catches the umbrella, it could cause your buggy to tip over and cause damage, which will not be covered by warranty.

12. Operating the Digital Top Box

On/off and speed control button

You can either preset the buggy prior to taking off, or you can start the buggy and increase the speed to meet your requirements. The speed setting is located on the right side of the colour screen. The grey button in the centre of the handle is used to increase and decrease speed and stop and start the buggy.

Simply pressing the button will either start or stop the Coaster R300 and simply turning the grey button to the right will increase the speed and anti-clockwise or to the left to lower the speed. You can move from kmh to mph simply by pressing the green toggle located right of the grey speed control and on/off knob.



13. Three distance modes

There are three distance measurements available with the Coaster R300.

Distance A is good to measure how far you hit your driver whereas Distance B might be used to measure distance for the day's round of golf. To reset, simply press the left side green toggle for 3 seconds until the reading displays "0".

Any resetting can only occur when the buggy is stopped. To move from yards to metres, simply press the right green toggle. Distance C cannot be reset and is best used to measure service intervals. Each 500kms or 6 months is the recommended for service intervals.



14. Controlled Distance Function [CDF]

The CDF enables the Coaster R300 to be sent a preset distance. To use this function:

1. Lock the front wheel
2. Press and hold down the grey central speed control button for 3-4 seconds until the speed setting changes to 05 [5 yards or metres] and the letter "A" appears
3. Turn the grey central button clockwise to increase the distance or anti-clockwise to decrease the distance until the desired distance is achieved
4. Always look ahead and assess the condition of the terrain of where you want to send your buggy prior to doing so
5. Once the desired distance is reached, press the grey central button once to send the buggy off to the desired distance
6. Pressing the grey button at any time during this time and the buggy will stop and the command will be cancelled



15. Competition Mode

In the unlikely event the club you are playing at does not allow the use of distance devices you will need to disable the distances feature on the Coaster R300. To disable the distance recording feature, simply hold down the two green toggles [buttons] at the same time for 3 seconds [these are located on both sides of the grey speed control knob] By doing this the distance recording will be removed from the screen and replaced with the words “Comp. Mode”.

16. Security Pin Code

The Coaster R300 comes equipped with the option of enabling of a security pin code. To enable:

1. Whilst holding down the left side green toggle, plug the battery in and release the button
2. Use the left side grey on/off button to choose the first number of your pin code [0-9] Turn the grey button to the right to increase the number and to the left to decrease
3. Press the right side green toggle green button to confirm your choice
4. Repeat the process for each of the four digits
5. To change your pin, follow steps 1-4. You will be required to enter your current pin first followed by the new number you wish to change it to
6. To disable this feature, follow the procedure for number selection and select four “0’s”

17. Battery Indication Light

Battery indication is located on the left side of the top screen. Four colour bars are highlighted with full charge. The less bars, the less battery life is available. You should always check the battery status before you play golf to ensure the four bars are there.

18. Power Port

In case you forgot to charge your Sureshotgps or any other device, a power adaptor charging unit can be inserted under the top control box.

The charging comes from the main battery and will continue so long as it is connected. Charging will cease if the battery power falls to a low level.



19. Frequently Asked Questions and Answers:

Question: Is it important to register my purchase for warranty purposes?

Answer: You must register your purchase as soon as possible with MGI. You can register on line www.mgi-golf.com. The serial number for your buggy is located underneath the top handle scorecard compartment.

Question: How often should my battery be charged?

Answer: Your battery should be left on charge in between use. After playing put your battery back on charge as soon as possible. Leaving your battery in a discharged state will shorten its life.

Question: Should I discharge my battery fully to remove memory?

Answer: NO – Both gel and lithium batteries do not have memory issues. Fully discharging the battery will damage it and the charger will not be able to recharge the battery.

Question: Where can I take my buggy to be serviced?

Answer: There are more than 130 service centres across Australia - please check out our website www.mgi-golf.com for an up to date listing.

20. Further information

In Melbourne you can bring your buggy to our main service centre at head office; 11 Maurice Court Nunawading (Melways Ref: Map 48 H11).

In the Melbourne, Sydney and Queensland metro areas, there are mobile service vans that attend most golf courses and retailers.

MGI invests large amounts of capital into advancing the mechanical and electronic features of its range of buggies. Should you have any feedback or suggestion, which would further enhance the performance of our buggies, we would welcome your correspondence.

If you have any concerns relating to the use of your motorised golf buggy do not hesitate to email us at info@mgi-golf.com.

MGI hope you enjoy your buggy experience. Happy Golfing!