



GTR SPRINTCAR BLEEDERS MANUAL

BATTERIES

1 x 9 volt battery is required in each unit, these can be either conventional throw away batteries or rechargeable. Battery voltage is displayed on main screen however due to the option of conventional or throwaway batteries the voltage differs between the two. Therefore, this will need to be monitored between different types of batteries to get an accurate reading.

To install battery:

- Remove battery-retaining cap (shown in *figure 1*) using 3/32 allen key.
- Install battery into housing (*figure 2a & 2b*).
- Re-fit battery-retaining cap ensuring cap screws are firmly tightened.



Figure 1.



Figure 2a.



Figure 2b.



OPERATION

Turning on:

- Push joystick located on face of bleed unit to the left this will bring the GTR logo on screen (*figure 3*) for approximately 3 seconds then display the main screen.



Figure 3.

Main menu:

- Press right this will take you to Main menu.

Setting desired Tyre pressure:

- Scroll down to **PRESSURE** (*figure 4*), press to the right, this will allow setting of pressure by pushing up or down to the desired setting. Then by pressing right this will set the desired setting (*figure 5*) and take you back to the operation display.

Setting desired delay:

This feature is used to prevent the bleeder venting during spikes in tyre pressures due

to rough track conditions. The delay will only allow the bleeder to operate when the pressure has reached the set pressure for the set delay time before venting.

- Scroll down to **DELAY** (*figure 6*), press to the right, this will allow setting of time delay by pushing up or down to desired setting. Then by pressing right this will set the desired setting, and take you back to the operation display.



Figure 4.



Figure 5.



Figure 6.

Stats:

- Scroll down to **STATS** (*figure 7*), press right, this feature will show the time the bleed unit has bled air from the tyre, and the maximum pressure the bleeder has recorded during the race (*figure 8*).
- **This feature requires resetting between every race if used.**
- Press up in this feature to reset.



Figure 7.

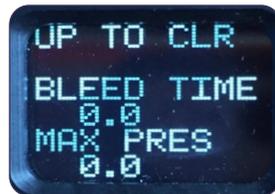


Figure 8.

Motion Detection Feature:

This feature prevents bleeding during red light stoppages etc.

- To turn this feature on or off, scroll down in the main menu to **MOTION** (figure 9), press right, press up or down to turn on or off (figure 10).
- When turned on the bleeder will not operate until the vehicle is moving. However if the bleeder is fitted to the car and the tyre pressure is above the set pressure you can press the navigation switch up once and this will make the bleeder bleed down to set pressure.



Figure 9.



Figure 10.

Sleep:

- When the bleeder is in operation and after approximately 30 seconds of no movement on the joystick the screen will go to sleep and show 'zzz'. When the unit is asleep it will still function correctly.

INSTALLATION OF LOCKING UNIT

- GTR Bleeders are retained in the rear axle using a taper lock and quick release $\frac{1}{4}$ turn fastening system between lock and bleeder unit (figure 11). No drilling of the axle required!!!



Figure 11.

- Will require a long series 3/32 allen key / tee handle to install lock in axle.
- When installing lock into the axle ensure the 4 x cap screws (figure 12) are loose. Insert lock into axle, lightly tighten 2 x cap screws opposite each

other until the lock starts to tighten in axle.

- When bleed unit is inserted into lock but not rotated into the locked position, push bleed unit into axle until the spacer ring on the bleed unit is fully supported in the axle but allowing the bleed unit wings to protrude, enabling easy fitment and removal of bleed unit.
- Tighten the 4x cap screws to lock in evenly and firm.

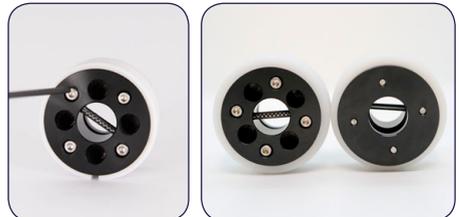


Figure 12.



PRECAUTIONS

- Regularly check torque of lock retaining screws in axle.
- Regularly inspect quick release spring and Teflon button for tension and security.
- Regularly inspect air lines, fittings and o-rings for damage after each use.
- Keep bleed unit dry and away from water ie; pressure washer.
- Ensure bleeder unit and lock plastic rings are the correct size for your application as incorrect size could cause the unit to come free of the axle. GTR can supply correct sizes as required.

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Thank you

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