

Installation Procedures

(1) Installation of Loop

① Location of Loop

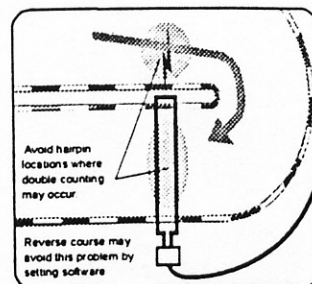
Ideally the loop should be positioned on a slower section of the circuit or at the start of the straight.

Avoid areas where the track runs parallel to your chosen location for the loop. This may result in miscounted laps when a car passes the corner as shown.

Avoid locating the loop directly below the drivers rostrum and keep away from large metal objects that could create interference.

Install at 90 degrees to the track edge going straight across the track.

Distance between the loop should be between 40 and 45cm.



② Installation of Loop

A: Temporary type (Illustration A)

The loop should be parallel to the course. The distance should be 40cm.

(for 1/10th scale, for 1/8th scale it should be 45cm. Same for B.C.) Secure loop with tape or similar.

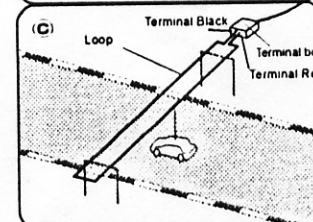
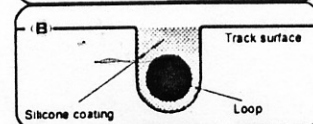
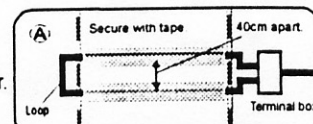
B: Permanent Type (Illustration B)

For permanent fixing, cut a groove so that the loop wire is just below the track surface.

Secure with silicone or rubber to ensure that it is not damaged by cars passing over it.

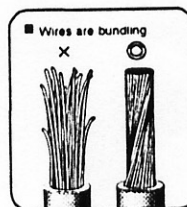
C: Suspended type (Illustration C)

For overhead locations, please locate as low as possible without causing an obstruction to the passing models.



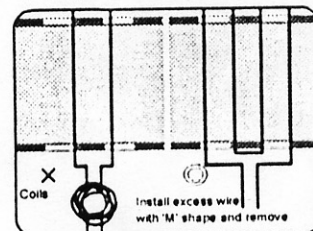
③ Connection of loop to terminal box.

Strip the loop wire approx. 2 cm and twist the bare metal core tightly to create a stronger bare wire. Unscrew the terminal blocks to reveal holes. Insert the wires into these holes and tighten securely. Ensure that no bare strands of wire protrude from the terminal blocks as slight interference may result.



④ Adjusting the length of the loop.

The system is supplied with loop wire. Once the loop has been located, remove any excess wire not required or excess wire can be install as 'M' shape as shown in diagram then remove excess wire. (in case of 'M' shape installation, a width of each wire should be longer than the size of car)

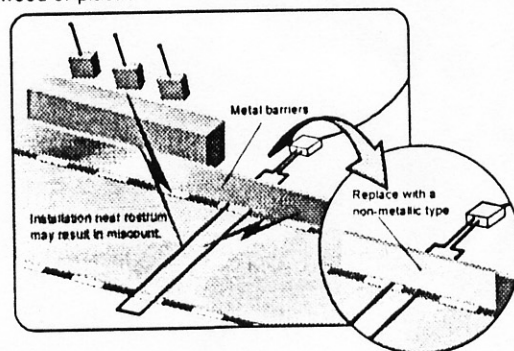


(2) Installation of coaxial cable.

Locate the coaxial cable away from the racetrack and avoid going under the drivers rostrum.

Avoid locating the cable near metal objects that could cause interference.

If your racetrack has metal barriers, replace one barrier with a non-metallic one e.g. wood or plastic.



(3) Installation of ARC main unit.

Locate the ARC main unit away from the drivers rostrum, pit area and avoid having battery chargers nearby

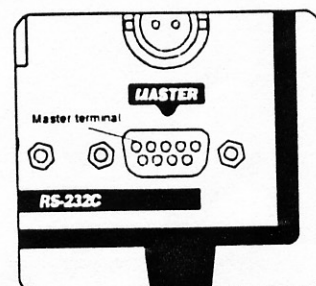
Connect the coaxial cable into the connector on the back of the main unit.

Connect ni-cad battery pack or appropriate power supply to the DC in jack on the front of the unit

Connect the RS232C cable to the master connector on the front of the main unit, ensuring that the main unit and the computer are switched off

*RC232C cable not supplied

*Use 9 pin male/female straight RC232C cable



Caution

* In cases of using the sound system from the PC, there maybe interference. If miscount occurs by noise, do not use or make it as short as possible

* In case of using a printer, a noise may be generated during printing and could lead to a miscount. If so, do not use the printer during count or disconnect from the PC.