

VOLUNTEER POSITION

JOB DESCRIPTION: ELECTRICAL AND COMPUTER MAINTENANCE - synopsis

- this is a two person position, you are on call all weekend.
- a commitment to TMR to be in attendance at every scheduled race and Test N Tune.
- the system requires constant maintenance and sometimes a on-the-run quick fix is all you have time for.
- a good knowledge of troubleshooting with older equipment is essential. Sometimes it can be a long evening, if you run into problems

FRIDAY

- the evening before or the afternoon of a race, gather all equipment & tools.
 - sound equipment (CD player & tape deck)
 - system manuals
 - you will be entrusted with a key to the Okanagan Motorsport Park. The key is to be used ONLY to gain access when a scheduled event is taking place, or work needs to be done on the premises.
 - this position requires that you have keys to the buildings and storage cabinets
 - unload the Storage Room. There are various pieces of equipment that go to different locations. Last, remove electronic equipment from cabinet and install in tower, install the transformers at the end of the track, turn on the breakers.
 - Go to the top end & set up source lights, photo cells & connecting cables to end boxes, connect Win light boxes, connect source lights to transformer & Win light box(need extension cords).
 - Set source lights & secure to asphalt (need 3/4" wrench), align light sources to photo cells, install 3 cones in front of each source light.

BACK TO THE TOWER

- Set up the starting line, bolt down starting photocells to asphalt, remove cover from centre track, connect Xmas Tree, photo cells & starters box(need 3 cables).
- Attach Xmas Tree light bulbs, source lights for start line installed, 60 ft. source light installed, 60 ft. photo cells set up and connected.

UP IN THE TOWER

- Start connecting the timing equipment & computers, the "white" box connects all start track cabling & one cable connects to C33, connect monitors, keyboards, finish line cable.
- Connect announcer's computer, CAR's program computer, announcers Data computer (ET Shack to Announcer), Log printer, paper & CAR's program printer)
- RECHECK ALL cables to ensure proper & secure connections before applying power.
- Apply power & check for errors in system (proper photo cells alignment & functionality).
- Address any discrepancies that may occur, connect and set up ET printer in ET shack.
- Test the system by running a vehicle down the track to confirm:-
 - the tree is working
 - starters box operates
 - ET time, MPH, 60 FT, Win light activates, log printer & ET printer all function properly.
- Testing is done for one lane at time or if you have 2 available run both
- Address and correct any malfunctions at this time. CANNOT BE LEFT UNTIL THE NEXT MORNING.

SOUND SYSTEM INSTALLATION

- Connect mixer to PA amps via 4 audio cables
 - Connect speaker lines to amps.
 - Connect horns, matching transformer to amp, connect CD player, tape deck & microphone FM transmitter to mixer.
 - OUTSIDE - connect speakers to speaker box adjacent to source light power box (containing 1 1/4" jacks)
 - Speakers must be retrieved from base of tower.
 - System is now ready for operation. Do checks on all equipment.
 - Walk through the facility to ensure all horns are functioning.
- This procedure can take 4 to 9 hours depending on many things.

AT THE END OF THE WEEKEND

- Everything must be disassembled & stored in an orderly fashion to ensure proper setup for the next event.

EXTREMELY IMPORTANT NOT TO LOSE, DAMAGE OR MISPLACE ANY CABLES.