

Hyper Racer X1 – Pre-Race Inspection Checklist

Car No: _____ Event/Track: _____ Date: _____

Purpose: Safety, reliability, and early fault detection before each on-track session or race.

A. Powertrain & Driveline

- Clean / inspect air filter
- Change engine oil & filter (if due)
- Check oil level and leaks
- Inspect CV shafts (play, boots, clips)
- Inspect main CV nuts (rear wheel play check)
- Inspect chain, sprockets & alignment
- Check chain tension
- Inspect driveline fasteners (engine mounts, diff mounts)
- Inspect Cush Drive System

B. Cooling System

- Check hoses, clamps & fittings
- Inspect radiator mounts for cracks
- Check Coolant level at the filler neck

C. Brakes

- Check brake fluid level
- Inspect brake pads (thickness & taper)
- Inspect rotors & rotor bolts
- Inspect calipers & lines for leaks
- Bleed brakes (if required)
- Check brake bias adjustment
- Inspect master cylinders & reservoirs

D. Suspension & Steering

- Inspect wishbones & heim joints
- Check suspension nut & bolt torque
- Inspect sway bar hardware & rubber bushes
- Check steering rack play & adjustment
- Inspect dampers for leaks or damage
- Check Front Ball Joint Nut
- Check Front Hub Nut Torque
- Inspect Uprights for any damages or cracks

E. Wheels & Tyres

- Inspect wheels for cracks or damage
- Inspect tyres (wear, cuts, pressures cold/hot)
- Torque wheel nuts
- Clean / lubricate wheel studs

F. Chassis & Aero

- Inspect front wing (mounts & elements)
- Inspect rear wing (mounts & adjusters)
- Inspect undertray & tunnel fasteners/Skid Plate washers
- Check ride-height references for changes

G. Electrical & Safety

- Check electrical connections
- Check kill switch operation and terminal nuts
- Check lights / rain light
- Inspect seat belts & dates
- Inspect Fire bottle/bomb dates and pressure readings

H. Final Checks

- Torque CV axle nuts
- Torque wheel Nuts
- General nut & bolt check
- Clean car

