

# WEEKLY MAINTENANCE CHECKLIST

- HAS CAR BEEN IN AN ACCIDENT?
- HAS CAR RACED ON A ROUGH TRACK?
- HAS CAR TAKEN A HIT TO WHEELS/SUSPENSION?
- HAS CAR SUFFERED ANY DAMAGE THAT MAY COMPROMISE SAFETY?

If you've answered yes to any of the above it is imperative to have your car checked over by qualified personnel before racing to prevent personal injury.

- CHECK CHASSIS FOR CRACKING/FATIGUE-** particularly around welded joints & mounting points

## ENGINE

- Check and remove spark plugs
- Change oil and drain tank and pan
- Change oil filter and check
- Clean air filters
- Adjust valves
- Check valve cover gaskets
- Check all fuel lines and in-line filter
- Check all bolts, lines, belts and hoses
- Check radiator front screen
- Grease starter gear (Bert only)
- Check starter and wires
- Lube throttle linkage
- Check water levels and pressure test system
- Check timing
- Check power steering fluid and replace every 200 laps
- Inspect mag./dist. cap and points and check ground connections
- Check headers and gaskets for cracks and check bolts
- Check mufflers and hangers
- Check both ends of oil tank vent
- Check oil tank for crack

## REAR END

- Change transmission oil every 4-5 races
- Check clutch oil
- Check u-bolts/retainers (do not over tighten)
- Torque Billet U-Joint Retainers to 216 in-lbs
- Check transmission bolts and linkage
- Check all housing bolts
- Check front yoke on rear
- Drain rear-end oil and remove and inspect gears
- Check all bolts on rear
- Torque rear bell & tube bolts to 35 ft-lbs
- Torque drive flanges to 35 ft-lbs
- Remove and check axles
- Remove and clean rear brake pads
- Check caliper and brake lines
- Check wheel bearings for play
- Torque Winters "Smart Tube" Bearings to 30-35 ft-lbs
- Check bearing locks
- Check birdcages and left rear link
- Check panhard assembly and through-bolts

- Remove and check shocks for straightness and leaks
- Check radius rods
- Un-hook torsion arms and check bearings and tubes
- Check torsion arms and torque to 30 ft-lbs
- Lube and clean all heims on rear
- Check jam nuts
- Inspect and torque torsion stops to 30 ft-lbs
- Inspect & Clean rear lug nuts and studs
- Check battery hold downs and check frame ground
- Check battery cable ends
- Charge battery
- Check all body mounts and bumper mounts
- Check nerf bar sockets and bolts
- Inspect for frame damage/fatigue

## FRONT END

- Remove and clean brake pads and check cotter pins
- Clean and lube caliper pistons
- Check wheel bearings for play
- Torque Winters "Smart Tube" Bearings to 30-35 ft-lbs
- Check and lube king pins
- Check all rod ends
- Check all radius rods
- Check tie rod and drag link
- Check steering shaft u-joints and bolt-on rack
- Check all front end bolts
- Inspect & Clean lug nuts and wheel studs
- Check shock sliders (unhook shocks)
- Check shocks for bent shafts & oil leaks
- Check toe out
- Inspect brake hoses and brake lines
- Check brake fluid and bleed 1 bottle thru system each week
- Check all jam nuts
- Check shock towers
- Check panhard bar
- Check panhard mount
- Check torque and pitman arms
- Inspect for frame damage/fatigue

## ***BI-WEEKLY MAINTENANCE***

### **CHECKLIST (OR EVERY 4 SHOWS)**

## REAR END

- Clean and pack wheel bearings
- Replace hub seals
- Inspect drive flange spline
- Check ring and pinion gear
- Inspect spindles
- Replace u-joints and & Inspect Retainers
- Inspect and clean drive shaft
- Drain transmission and refill with new oil
- Replace brake pads

## FRONT END

- Clean and repack wheel bearings
- Inspect front spindles
- Inspect front brake rotors and hats
- Check rotors
- Check valve stems
- Remove radiator, clean and check mounts
- Remove mag/dist and test
- Leak down
- Check fuel and brake lines
- Replace brake pads

***Remember to always record instances where your car may have been damaged to provide guidelines for future repairs/maintenance***

