Skybrid Winch Maintenance Schedule

Daily (Driver inspection - see also Winch Driver's Manual)

- Check and top up if necessary
  - Engine oil
  - Auto transmission oil
  - Radiator
  - Final drive
- Check tyres fully inflated
- Check fan belt - condition and tension
- Check earthing spike continuity
- Check transmission lever is in neutral, start engine and allow to warm up
- Check serviceability of paying on gear and guillotines, clear any debris. Change any tight/damaged rollers per instructions on Wiki
- Check drag on tow out brake and adjust tension/weights if necessary
- Check guillotine operating levers are in fully forward position, blades in loaded position (i.e. pins visible) and clear of obstruction
- Check cable cutting and joining equipment and sufficient ferrules
- Check bolt cutters are in the cab – **NB: bolt cutters should be available at all times in case of guillotine failure.**
- Fit radio
- Lay out drogue chute assemblies and check for condition, integrity and tangles. Place drogue chutes in winch tow vehicle
- Fill up gas tank – **NB: Switch off engine and attach earth lead. Wear gloves and safety goggles provided. NO SMOKING**
- Enter any comments and sign DI book

Monthly

- Functional check of guillotines (without cutting cable) - **BGA requirement**

Every 6 months

- Check function of all gauges and warning lights
- Check setting and function of rev limiter
- Check fan belt - condition and tension
- Check exhaust system
- Check and top up if required:
  - Engine oil
  - Auto transmission oil
  - Radiator
  - Final drive
  - Brake fluid
  - Battery
- Investigate reasons for any significant topping up

- Empty axle overflow container
- Lubricate dog clutch selectors and linkage
- Check/adjust tyre pressures. Check for damage or wear.
- Torque axle nuts

Every autumn – six monthly check plus:

- Change auto transmission oil and filters
- Change engine oil and filter
- Renew air filter
- Check radiator condition
- Inspect hoses - replace if cracked or leaking
- Check security of all hose clips
- Check prop shaft u/j security
- Check alternator bearings and voltage
- Check HT ignition system
- Check condition of all wiring
- Lubricate battery terminals
- Check crank case breather
- Drain and refill cooling system with 30% (min) anti-freeze solution
- Check all fluid/gas lines for leaks/damage
- Check LPG tank
- Check flex plate teeth and bolts for tightness
- Check starter motor and bolts
- Check cable drum brakes
- Torque axle nuts
- Overhaul guillotines, rollers and actuating linkages. Guillotines should cut two strands of cable **Skylaunch recommendation.**
- Check dash linkages and levers
- Check wheel brakes
- Check wheel nuts
- Lubricate tow hitch and stand