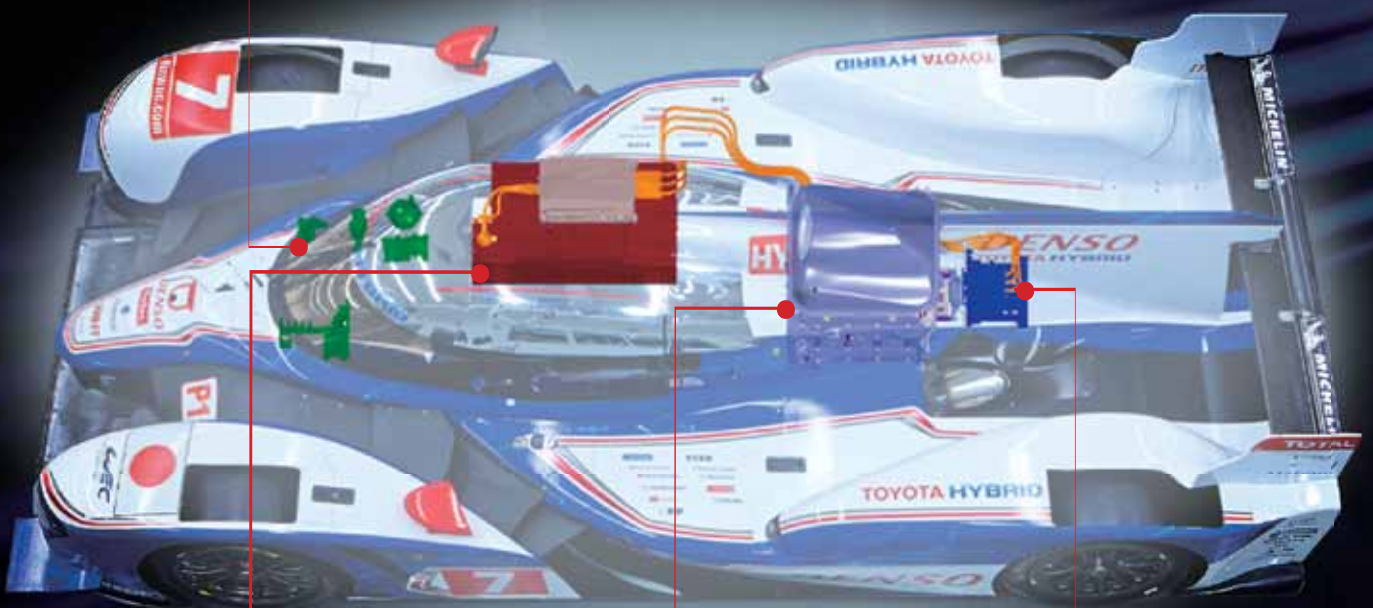


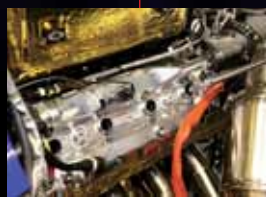
TOYOTA HYBRID

TOYOTA Racing's TS030 HYBRID car benefits from a unique motorsport hybrid system, which has been in development since 2006. Expanding on the proven principles of road car hybrid systems, the TOYOTA HYBRID System - Racing generates energy under braking to be released later, automatically, as a power boost. Regenerative braking on the rear axle recovers energy under braking, charging the super capacitor in less than three seconds.

Electronically-controlled braking balances the hydraulic and regenerative braking force. The capacitor's charging level and vehicle speed determine how much regenerative braking force is required.



Recovered energy is stored in a super capacitor located next to the driver. On top of this unit sits the inverter.



A normally-aspirated V8, 3.4litre petrol engine drives the rear wheels producing 530hp.



The electric energy is re-used to provide 300hp of boost to the rear wheels through an electric motor within the gearbox casing.