

Prophecy Unlimited One Glass Wharf, Bristol BS2 0EL Tel: 0117 311 9000				C	M	Y	K	PMS	PMS
File name:	12120761_ToyotaHybrid_Howitworks_Miniguide_aw	Client:	Toyota	Account:	Gavin				
Size:	168x240	Studio:	DM						
Mod. date:	15 November 2017 2:22 PM	Version:	1						
Route:	Creative Services:Toyota:12120761_Hybrid Training Pack:Studio:12120761_Toyota Hybrid_How it works_Mini Guide_aw.indd								
Creative:	Notes: 3rd Party artwork								
Production:	v1								

TOYOTA HYBRID HOW IT WORKS



ALWAYS A
BETTER WAY



ATKINSON CYCLE ENGINE

Efficient petrol engine runs the car at high speed.



ELECTRIC MOTOR

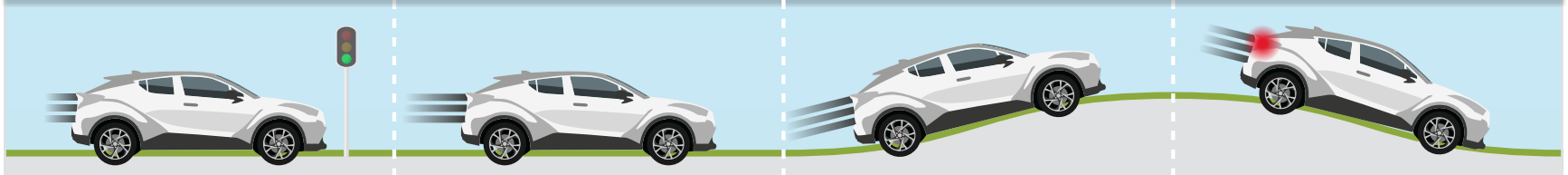
powers the car at low speed and supports the engine in high-speed driving.



HIGH CAPACITY HYBRID BATTERY

is recharged through regenerative braking and during regular driving.

TOYOTA HYBRID IN OPERATION



1 STARTING OFF

Electric motor powers the car alone



TIP
Use the throttle gently.

2 CRUISING

System seamlessly switches power sources



TIP
Stay in the ECO zone of the Hybrid driving indicator.

3 FULL ACCELERATION

Engine and motor work together



TIP
Use the throttle to reach your desired speed then lift off.

4 DECELERATION

Battery is being recharged



TIP
Brake gently and early.

TOYOTA HYBRID SYSTEM COMPONENTS



ATKINSON CYCLE ENGINE

World's highest thermal efficiency of 40%

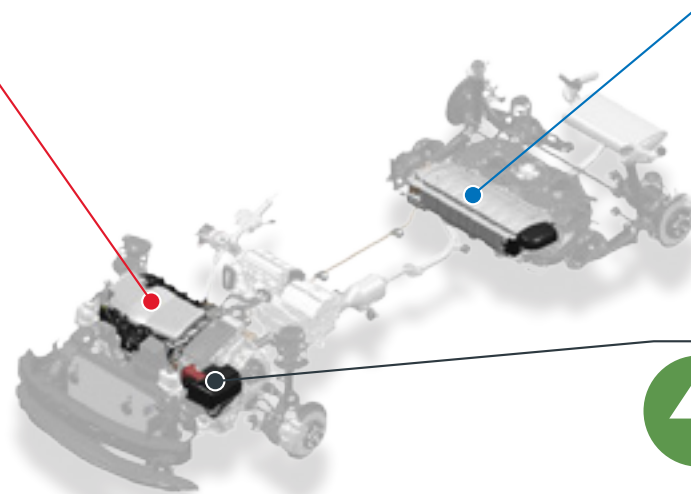
- Maximum combustion efficiency at high speed
- Optimal cooling



HYBRID BATTERY (NIMH/LI-ION)

High capacity units store power for electric driving

- 5 year Hybrid Warranty
- +6 extra years with annual Hybrid Health Checks



ELECTRIC MOTOR AND GENERATOR

Powers the vehicle without running the engine

- Electric motor perfectly complements the engine
- Generator generates electricity to recharge the battery

A SYSTEM WITH A HEART AND BRAIN

The system seamlessly controls the flow of electricity and intelligently splits the power produced by the engine between the drivetrain and the generator.

TAILOR YOUR TOYOTA HYBRID DRIVE



NORMAL MODE

Best balance of performance and fuel economy.



ECO MODE

Reduces throttle response and optimises air conditioning system for maximum fuel efficiency.



POWER MODE

Boosts acceleration, giving faster throttle response for a more dynamic drive experience.



EV MODE

Runs the car on the electric motor alone, at low speed and for short distances. Useful to reduce noise late at night in residential areas or to cut emissions in an underground car park.



B-MODE

Real engine braking for steep descents to minimise brake pad usage. Not as efficient for energy regeneration as regular braking.