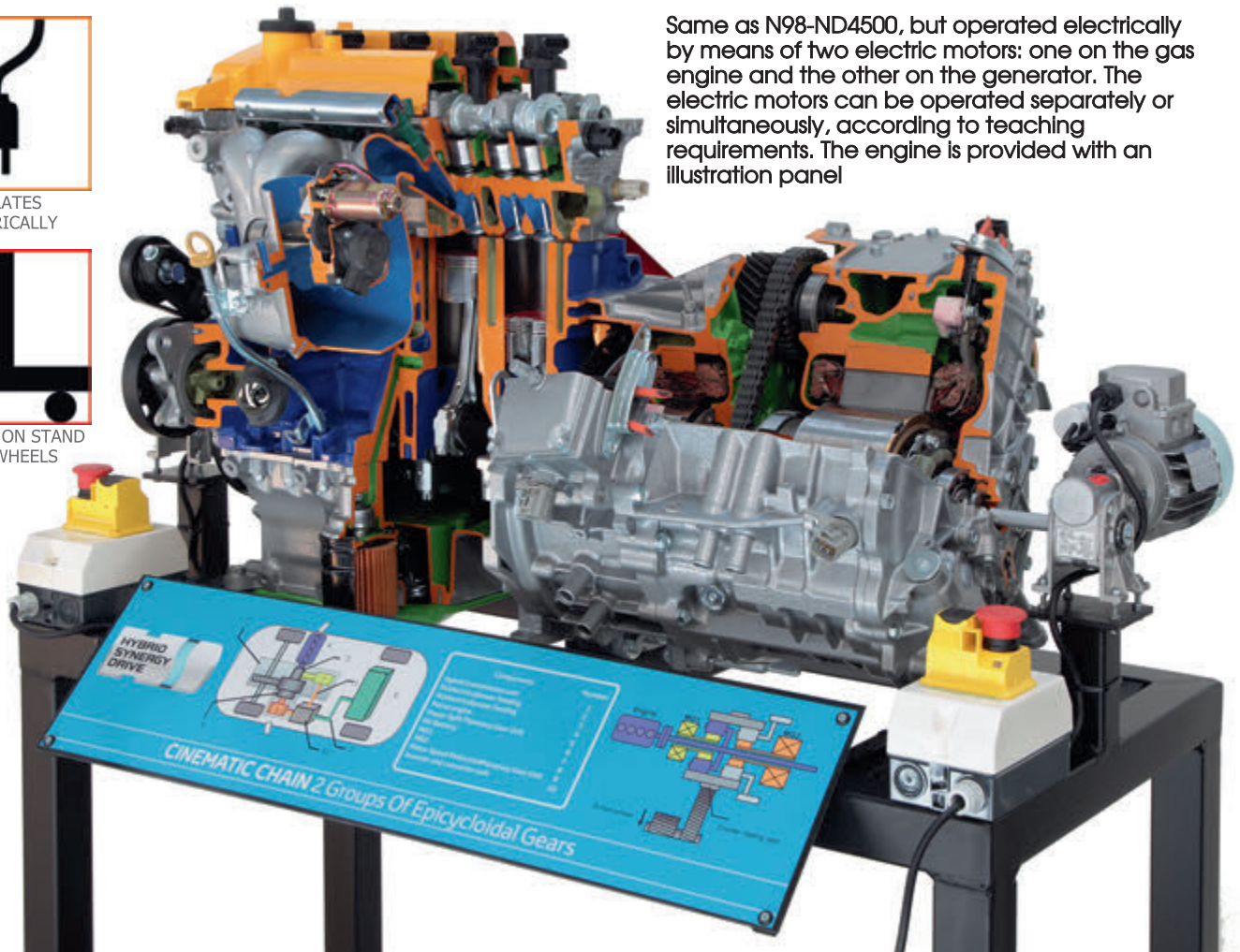


TOYOTA HYBRID CUT-AWAY TRAINER ELECTRICAL OPERATION

N98-ND4501

OPERATES
ELECTRICALLYMOUNTED ON STAND
WITH WHEELS

Same as N98-ND4500, but operated electrically by means of two electric motors: one on the gas engine and the other on the generator. The electric motors can be operated separately or simultaneously, according to teaching requirements. The engine is provided with an illustration panel

GREEN TECHNOLOGY

The Toyota Hybrid System (THS) has two sources of power: the gas engine and the electric motor. The THS recovers energy otherwise lost as heat in the brakes and uses the recovered energy to supplement the power of its fuel-burning engine. MG1 (motor generator 1) generates electrical power and starts the engine. MG2 (motor generator 2) drives the vehicle. During deceleration, the wheels drive MG2, which acts as a generator for regenerative power recovery. The hybrid system uses different modes to achieve the most efficient operation in response to driving conditions.

SPECIFICATIONS

- 2 Electric drive motors
- 4 cylinders
- Displacement: 1500 cc
- DOHC (overhead camshaft)
- 4 valves per cylinder
- Roller chain
- VVT-I system (Variable Valve Timing with intelligence) electronically controlled intake valves
- Multi-point electronic injection with throttle
- Electrical engine
- Epicyclical engine
- Generator
- Transmission belt (CTV)
- Gears
- Differential group
- Exhaust manifold with Lambda probe
- Mounted on stand with wheels
- Operated by electrical connection

WEIGHT & DIMENSIONS

130cm x 90cm x 155cm (L x W x H)
 Net Weight: 190 kg
 Gross Weight: 300 kg

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