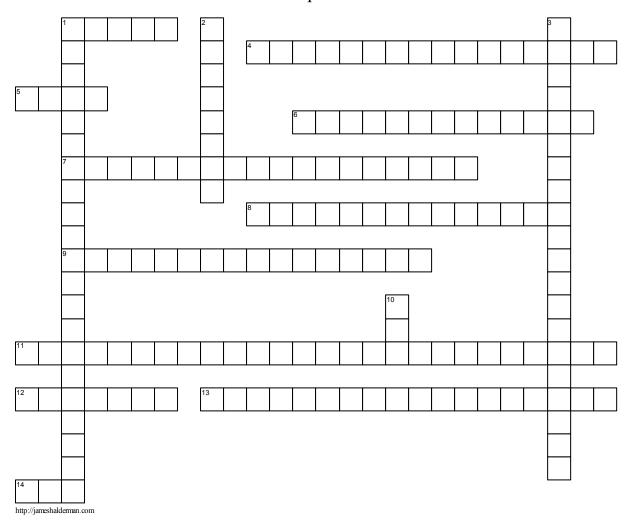
Honda Hybrid Vehicles Chapter 13



ACROSS

1	Another significant change for the 2006 model year included a VTEC system called
4	Theworks with the ECU to control the idle stop feature and to regulate the flow of energy between the battery pack and the
	electric motor.
5	A number of different designs are used in Honda vehicles, but the version found in the 2003-2005 Civic hybrid allows three of four cylinders to
	be deactivated during vehicle deceleration by keeping the valves closed.
6	During fuel-cut mode, the IMA motor is driven by the wheels, generating electricity to be stored in the, and slowing the vehicle in
	the process.
7	To reduce vibration and noise, the V-6 Accord Hybrid uses
8	When a Honda hybrid is cruising at a constant speed and the battery module state of charge is relatively low, some engine output is used by the IM/
	motor-generator being operated into charge the battery module.
9	During acceleration and other high-load conditions, current from the battery module is converted to alternating current by the
	and supplied to the IMA motor.
11	To achieve improved fuel economy, three cylinders (the rear bank of the V-6) are deactivated by closing both valves, this is accomplished using the
	system
12	The prototype, by another name, was first shown to the public at the TOkyo Auto Showin 1997.
13	After about 7 seconds, thewill reduce the available current to 50 amperes to reduce heat build-up of the motor.
14	For 2006, the Civic Hybrid could only be ordered with a
DO	WN
1	Torque assist and electric power generation are both accomplished with themotor.
2	Theis a square metal box, made of magnesium to save weight, located next to the MDM, that absorbs and dissipates heat produced byt
	the MDM and DC-DC converter.
3	All of the electronics for the IMA system are located at the rear of the vehicle, with three power cables running between the IMA motor and the
10	The battery state-of-charge indicator is operated by the, which is responsible for calculating the battery state of charge.