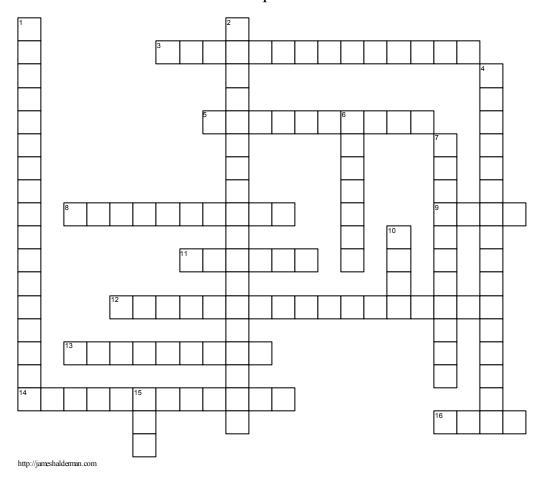
Ford/Mercury Hybrid Vehicles

Chapter 15



an economy indicator with

under the hood and also remove

fuses #24 (50 amp) and #31 (50

4 The Ford/Mercury hybrid uses an

eCVT that includes one _____

amp) from the _

ACROSS

			that shows when the vehicle
3	A system means		is operating on battery power.
	that neither the power side nor the	14	is used in reverse
	return side of the circuit is		because the ICE cannot deliver
	electrically connected to chassis or		reverse torque through the
	body ground.		transaxle.
5	is used only when the	16	High-voltage DC current is supplied
	vehicle is not moving and the ICE		to the vehicle through the
	is running.		cables to the high-voltage battery
8	If cabin heat is needed and the ICE		pack and the DC-DC converter.
	is off, the PCM commands the		
	to tum on to circulate	DO	WN
	coolant through the heater core.		
9	The system consists of the	1	isused
	power steering control module,		during highway driving when the
	electric motor, torque sensor, and		ICE has to be on but the HV
	rack-and-pinion steering gear.		battery pack does not need to be
1	The Ford and Mercury		charged.
	Mariner share most of the same	2	Disconnect the 12-volt battery

components and, except for trim

features, are basically the same.

13 A unique gauge package features

used while under cruise conditions.

isnomally

and other nonhybrid related

12

, as compared to the two
or more usually found in a
conventional automatic.

- 6 The Escape/_____ HEVs are full hybrids, meaning they automatically switch between pure electric power, pure gasoline engine power, or a combination of electric motor and gasoline operation to maximize efficiency and performance.
- 7 Total battery capacity is 5.5
 ______; operating voltage
 varies between 216 and 397 volts.
- 10 A special ____ used to drive the front wheels in a front-wheel-drive Escape/Mariner or all four wheels with the optional Intelligent 4WD System.
- 15 The ____ is designed to recapture some of the vehicle's kinetic energy during deceleration and braking.