



Hybrid Electric Vehicle Engine Features

Meets NATEF Task: (A1-A-9)

Research applicable vehicle and service information. (P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

Engine features often used in hybrid electric vehicle engines include:

- | | |
|---------------------------|--------------------------------------|
| 1. Atkinson cycle | 4. Offset crankshaft |
| 2. Active engine mounts | 5. Electronic throttle control (ETC) |
| 3. Active sound control | 6. Indexed spark plugs |
| 7. Other (describe) _____ | |

Check service information and determine what features are used in the following HEVs:

Ford Escape/Mercury Mariner hybrid - _____

Honda Civic hybrid - _____

Honda Accord hybrid - _____

Toyota Prius hybrid - _____

Toyota Camry hybrid - _____

Toyota Highlander/Lexus RX400h hybrids - _____

General Motors parallel hybrid truck - _____

General Motors two-mode hybrid - _____

Saturn VUE hybrid - _____

Other (describe) _____
