



Introduction

Welcome to Module MAC05, Accord Hybrid IMA Technology.

Module Prerequisites

Before starting this module, you should review the IMA Subject Area Map for any prerequisites.

Why This Module is Important

The Accord Hybrid uses the latest in Honda IMA technology, and differs in design from both the Insight and the Civic Hybrid.

This module will review basic IMA function, and define the differences between Accord IMA and previous models.

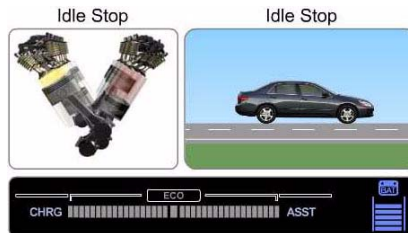
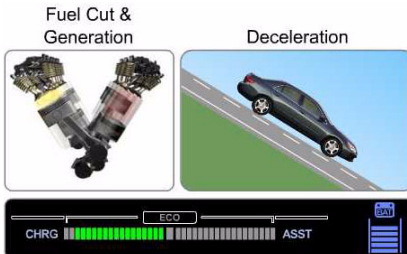
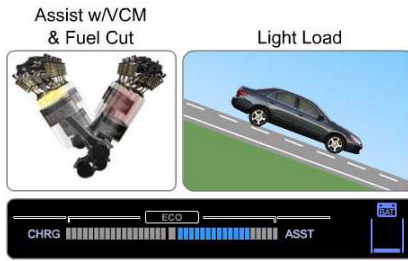
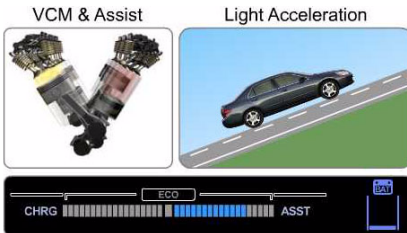
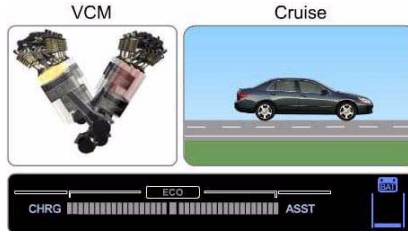
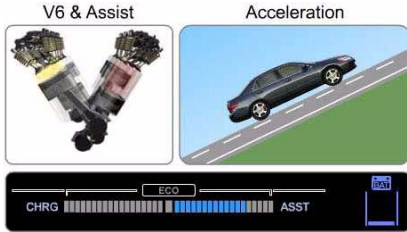


Objective

Upon completion of this module, you will be able to:

- Describe IMA components.
- Describe IMA system function.
- List unique IMA operating strategies.
- List the differences in each IMA generation.
- List the unique features to the two thousand five Accord Hybrid.

At the end of the module, you will evaluate what you learned about Honda IMA technology.



System Overview

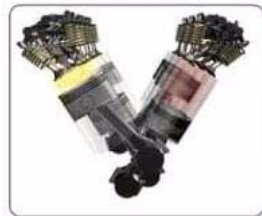
Honda IMA System

Honda Integrated Motor Assist systems have been designed to:

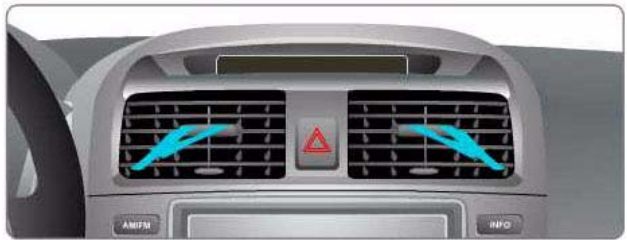
- Store energy in a high voltage battery.
- And use this energy to increase vehicle performance.
- Decrease fuel consumption.

These systems use a motor/generator to convert energy during vehicle operation, either by assisting vehicle acceleration, or generating electrical energy for storage.

V6 & Assist



Acceleration



System Overview

Accord Hybrid

In addition, the Accord IMA system has new components to maintain climate control, and provide transmission line pressure during idle stop.

By installing these components, the Accord Hybrid increases the:

- Comfort of the vehicle passengers.
- Supporting climate control during idle stop
- And reducing driveline shock during start-up.