

Nuevo modelo.

# CIVIC

## HYBRID



Departamento de Servicio  
Honda Motor de Chile S.A.

**CIVIC  
HYBRID  
GASOLINE-ELECTRIC**



**2003**

# 2001 Honda Civic Sedan

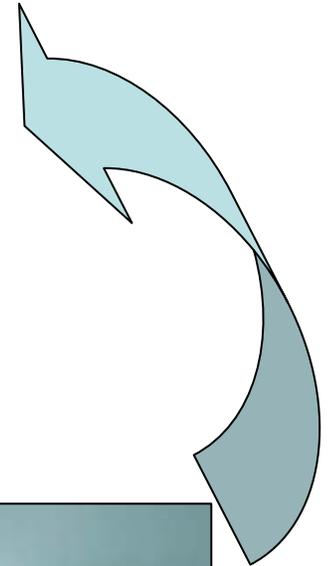
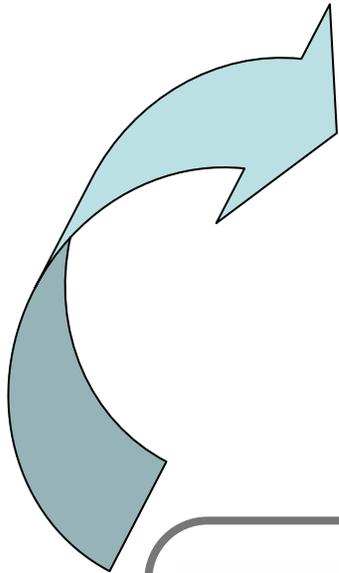
2001 Civic Sedan



2003 Civic Hybrid



# Hibrido Mejorado



# Honda Principio de Desarrollo

## “M/M” Filosofía

Maximo para el Hombre,

Minimo para la Maquina

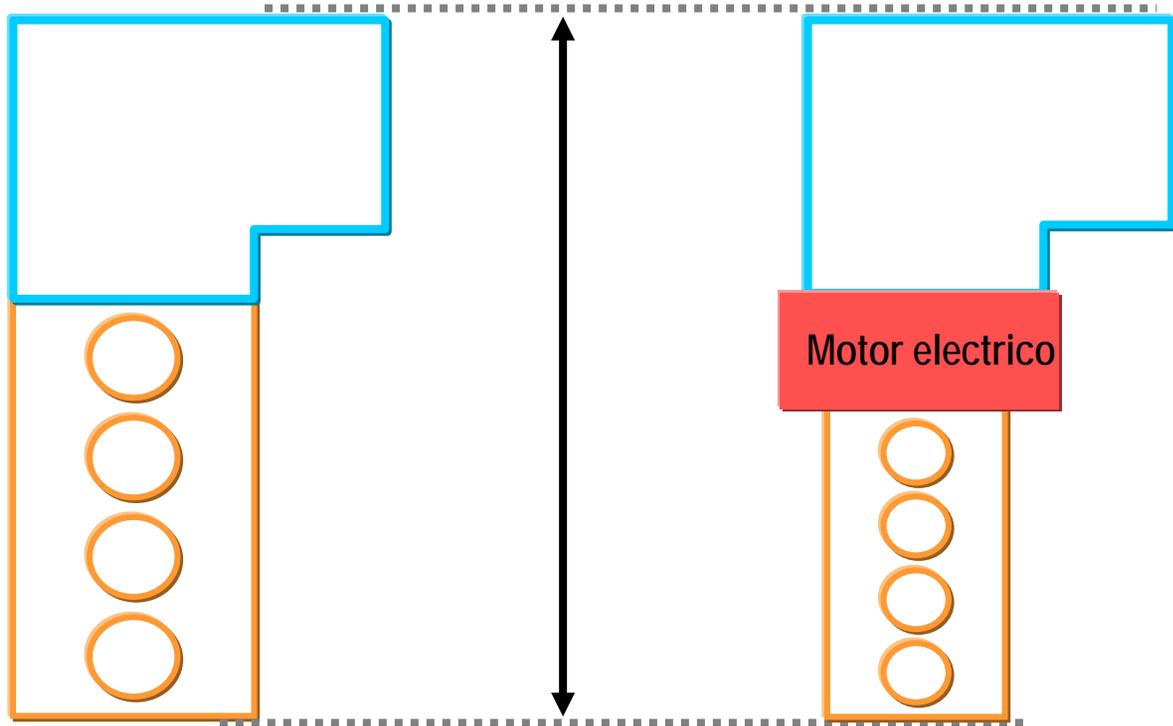
# Planta Motriz, Mismo espacio

**Civic**

**Civic Hybrido**

Transmision

Motor



# IMA Necesidad Aumentar Desempeño



**800** Kilogramos



**1100** Kilogramos

**ANTECEDENTES**

**CIVIC HYBRID 2003**

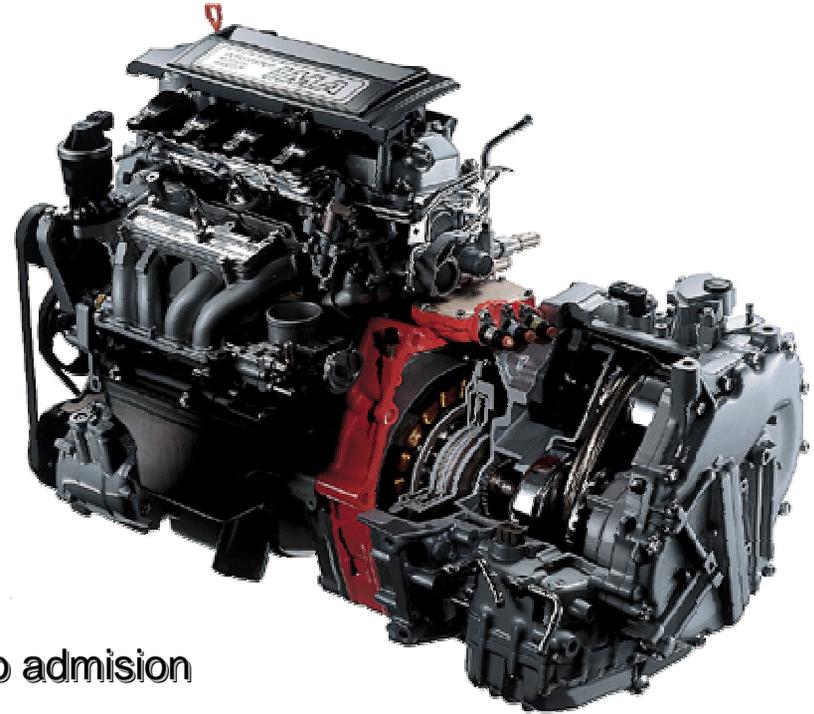
# Motor Nueva Generacion

## i-DSI

Doble & Encendido Secuencial

Doble

Bujia  
Encendido Secuencial



Nuevo puerto  
torbellino

Puerto admision

lado escape bujia  
--Retarda encendido--

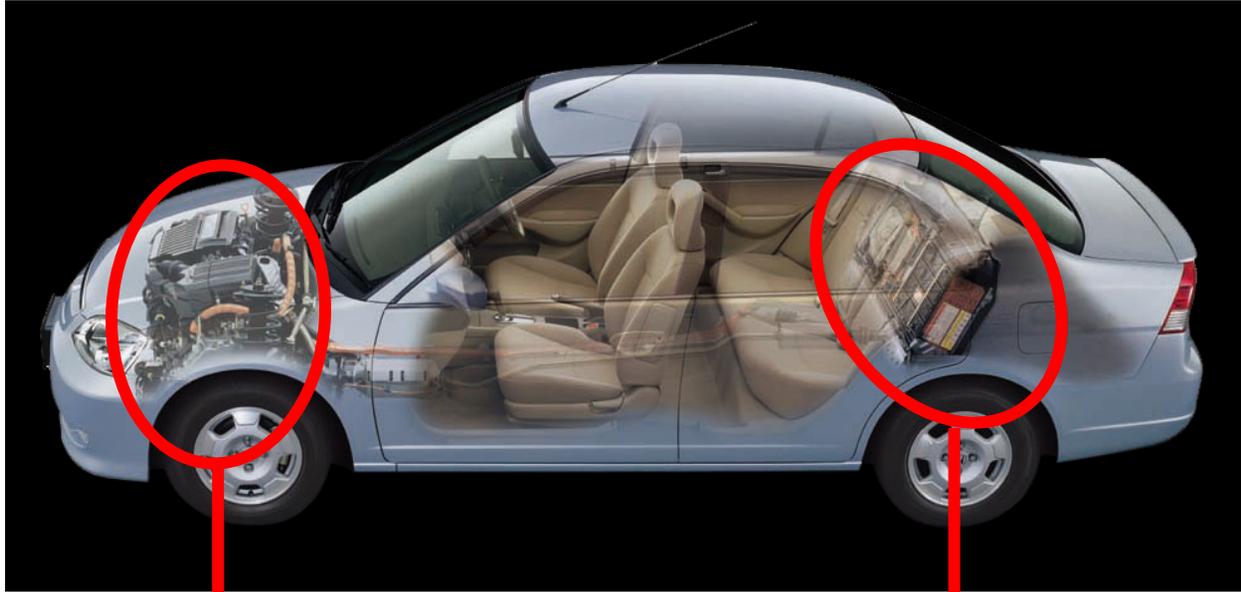
lado admision bujia  
--Avance encendido--

Puerto escape

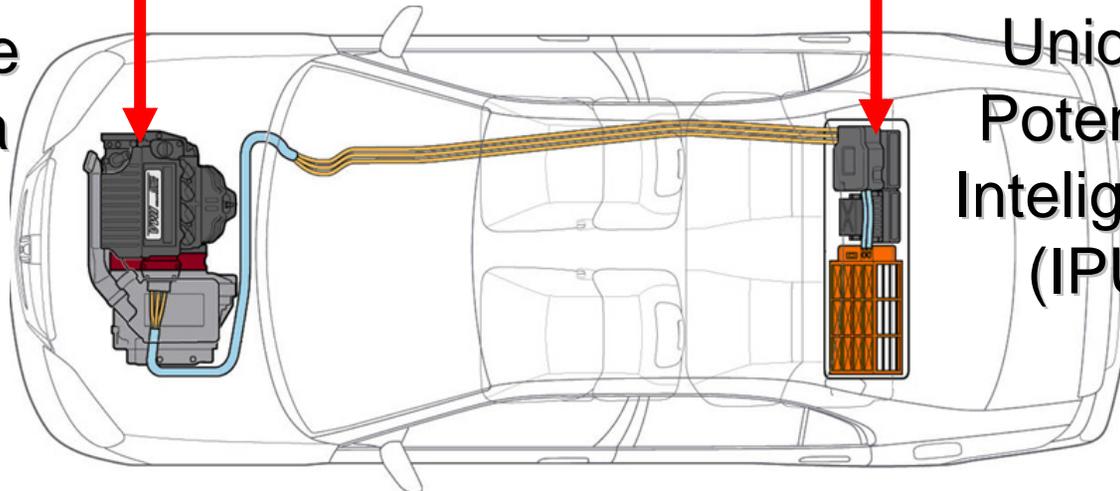
torbellino



# Extra Compacto

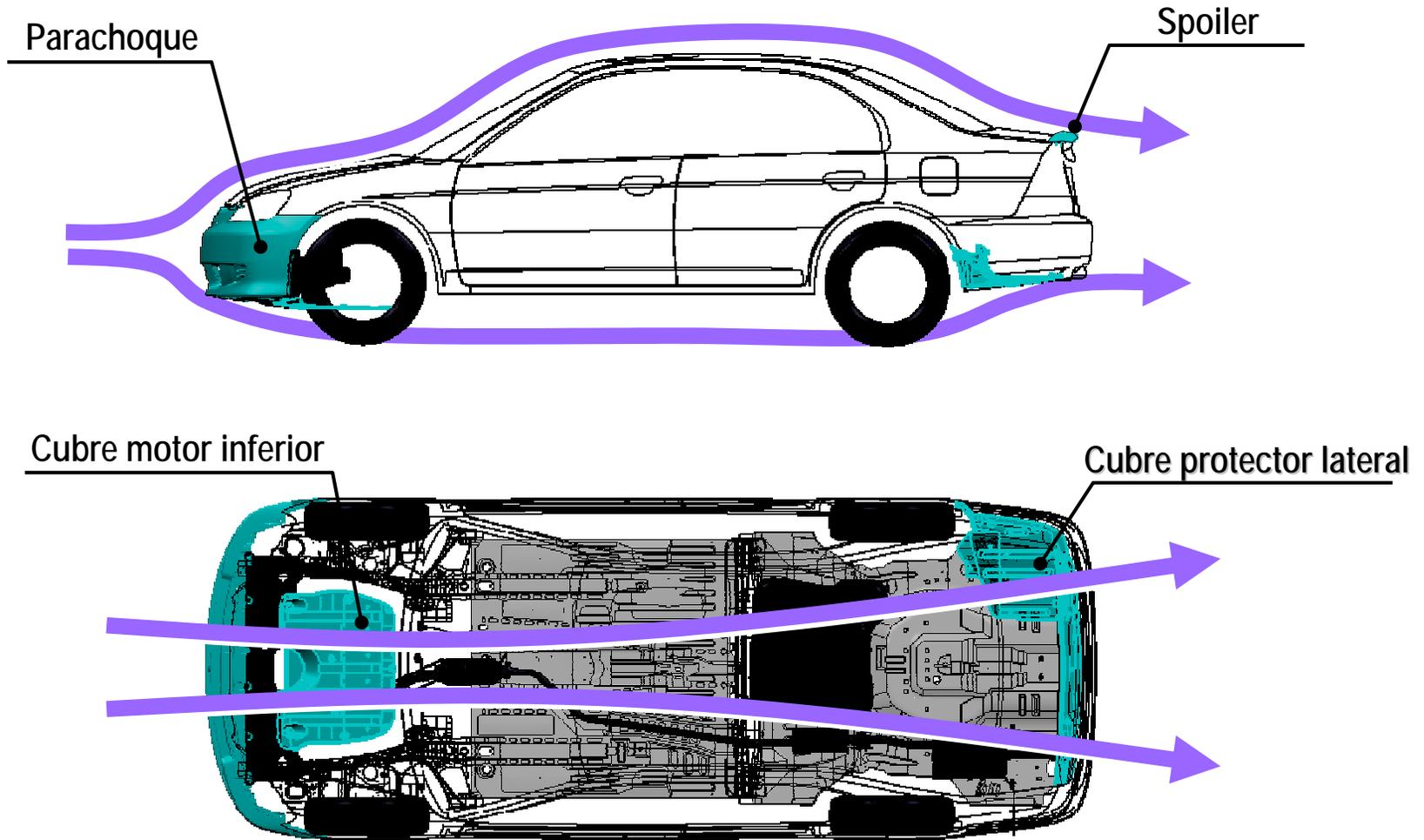


Planta de  
Potencia



Unidad  
Potencia  
Inteligente  
(IPU)

# Alto desempeño Aerodinamico



# 'Nariz corta' Habitaculo motor



Civic Hybrid Sistema IMA

# Clase Mundial, Alto desempeño

## Seguridad en Colisiones Choque frontal

- IIHS (Off Set) - 40 mph
- NCAP (Full Lap) - 35 mph

Excelente



## Choque lateral

- SINCAP- 38.5 mph



# Seguridad

# Pasiva

Alto Desempeño

# Medioambiental

Alto Desempeño



# Dinamica

Alto Desempeño

*CIVIC*

**HYBRID**

**2006**

## Insight 1999



## **Civic Hybrid 2003**

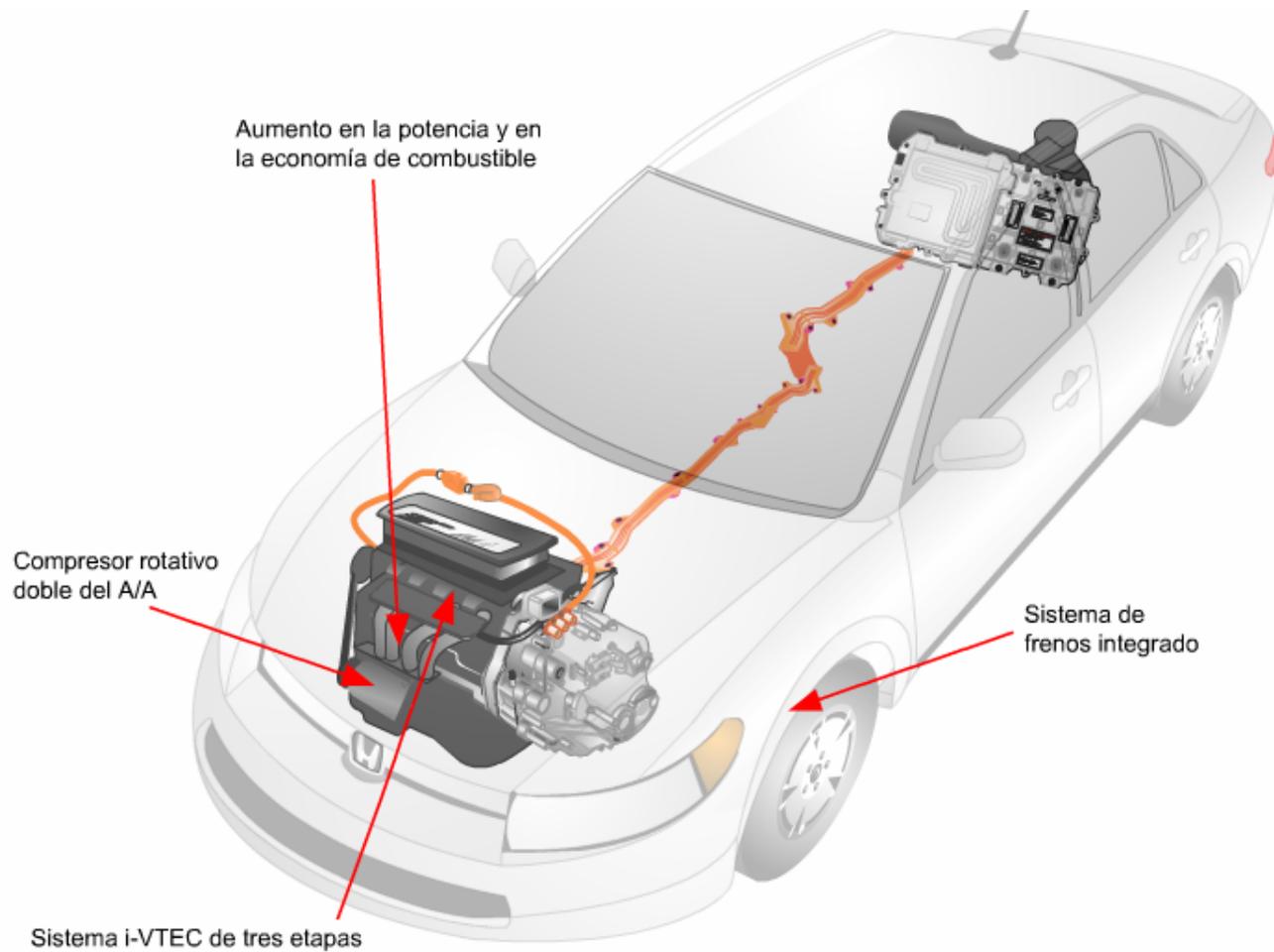


## **Accord Hybrid 2005**



## **Civic Hybrid 2006**



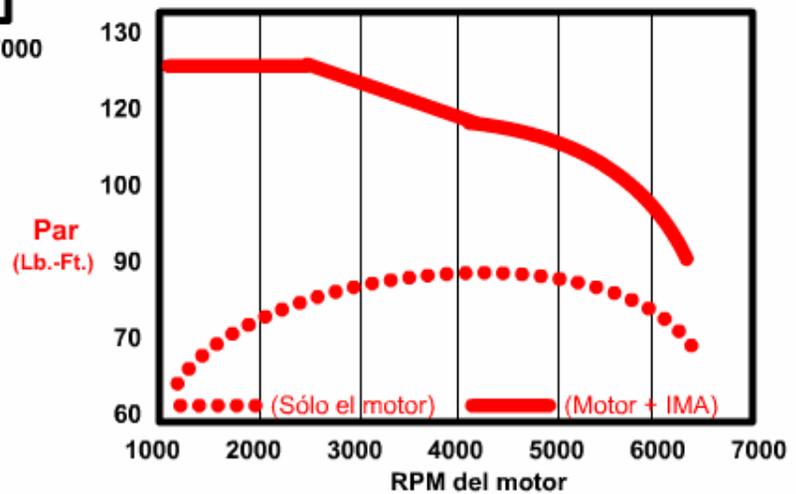
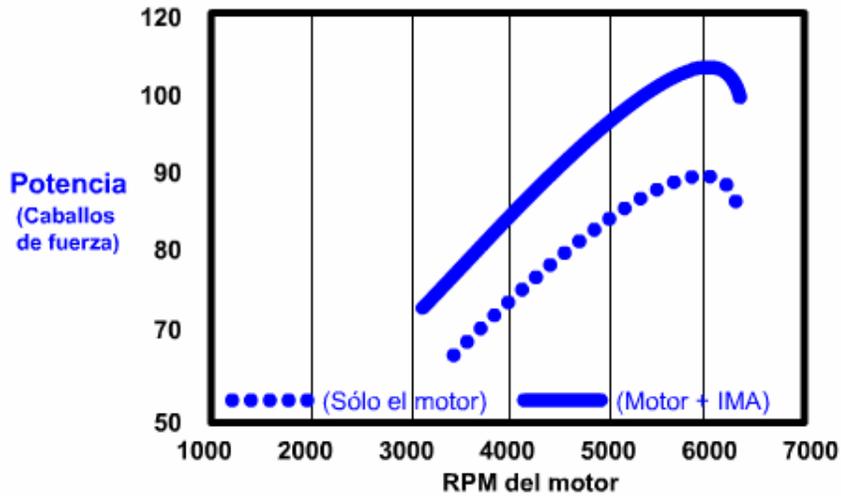


Aumento en la potencia y en la economía de combustible

Compresor rotativo doble del A/A

Sistema de frenos integrado

Sistema i-VTEC de tres etapas



**MOTOR**

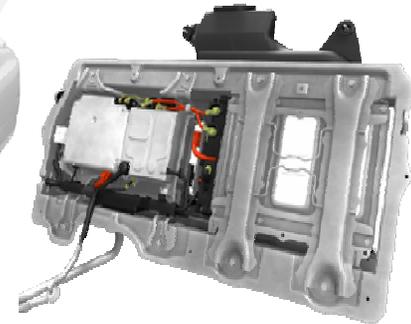
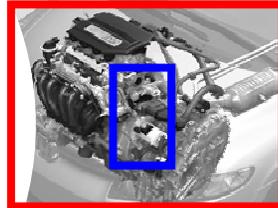
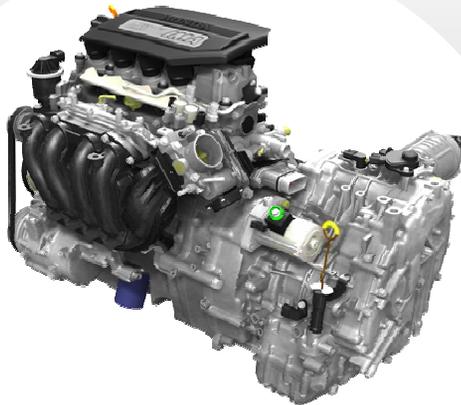
# Nuevo Sistema IMA

*Primary Power Plant*

*Auxiliary Power Plant*

**Motor altamente eficiente**

**Mecanismo Asist de motor**



**3 - estados iVTEC1.3cc  
VCM**

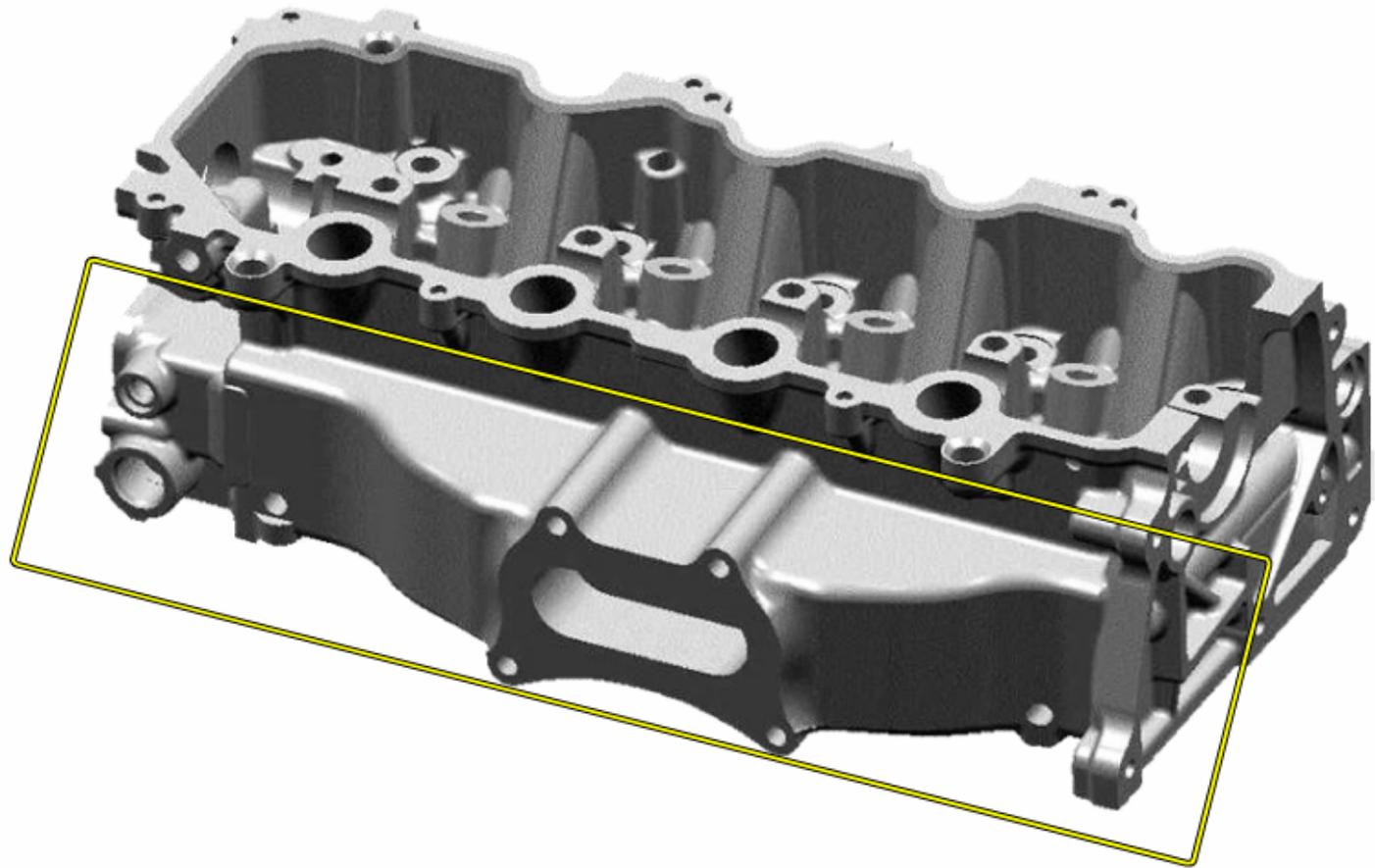
**M. eléctrico ultra Delgado  
Libre de Carbones**

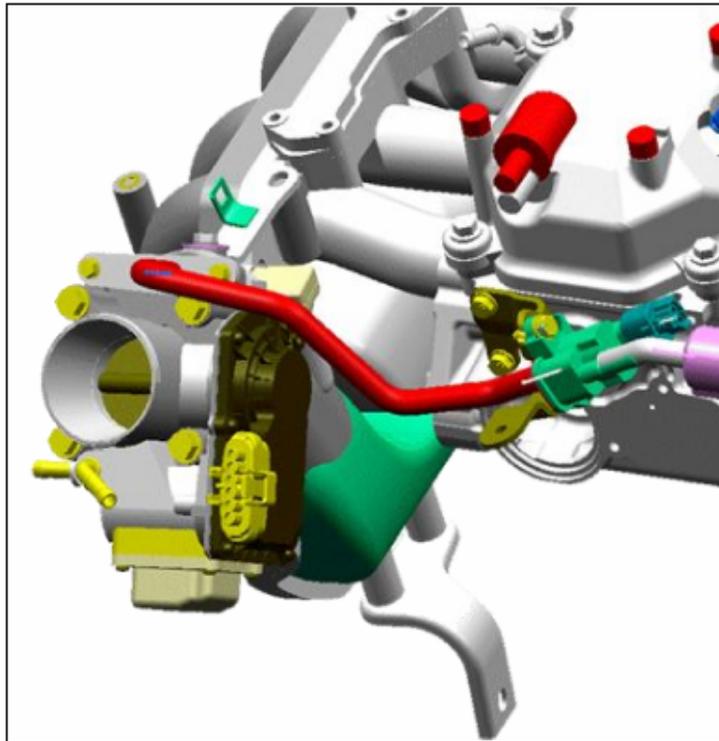


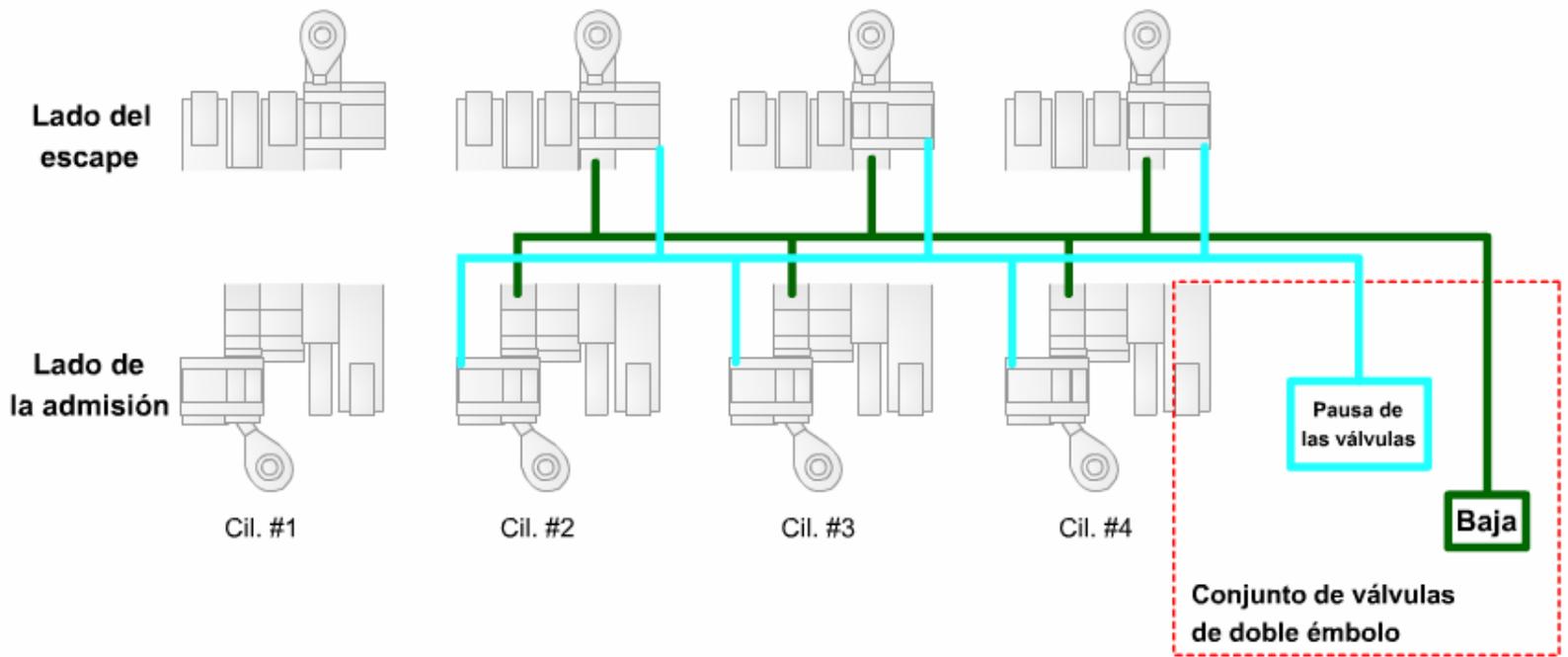
**Unidad de Potencia inteligente**

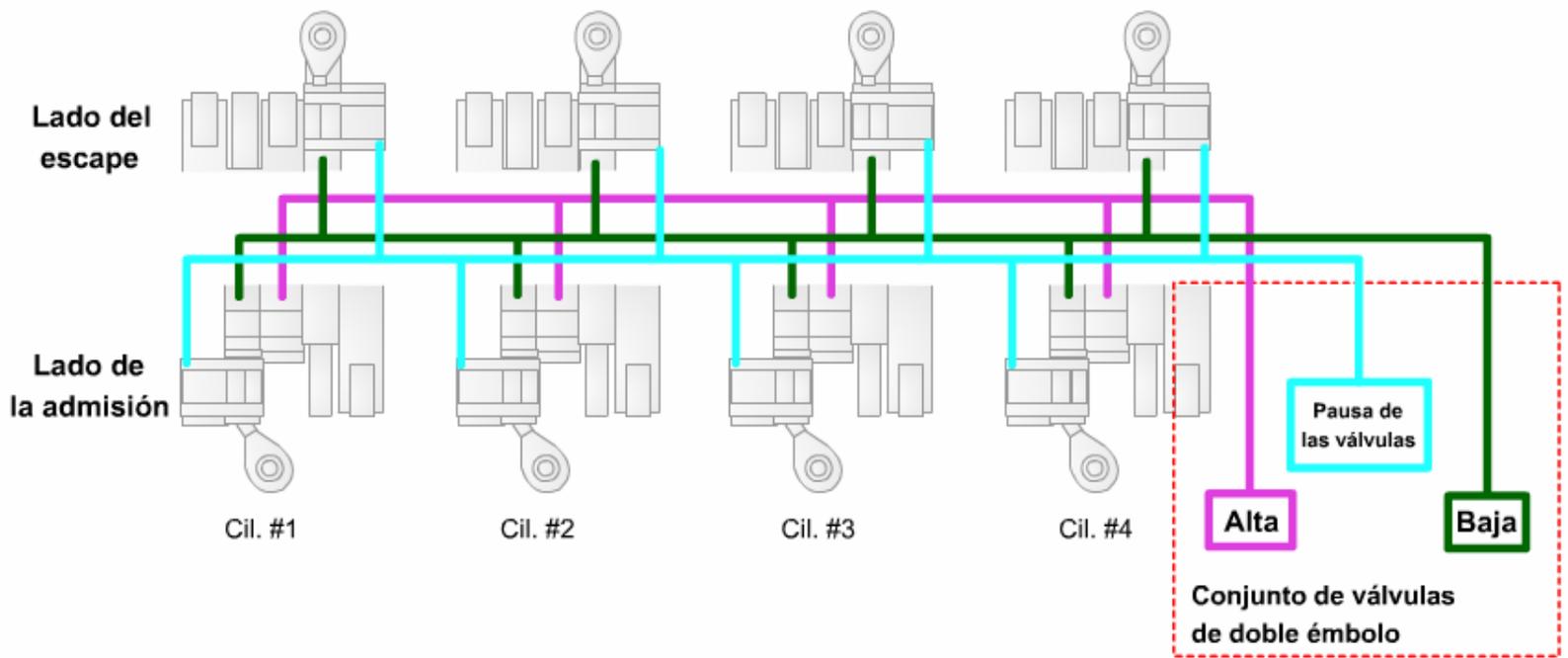
**Transmisión CVT Alto Poder**

- Bateria de Nickel metal de Alto Poder
- Caja de baterias con Unidad de control de Potencia (PCU)

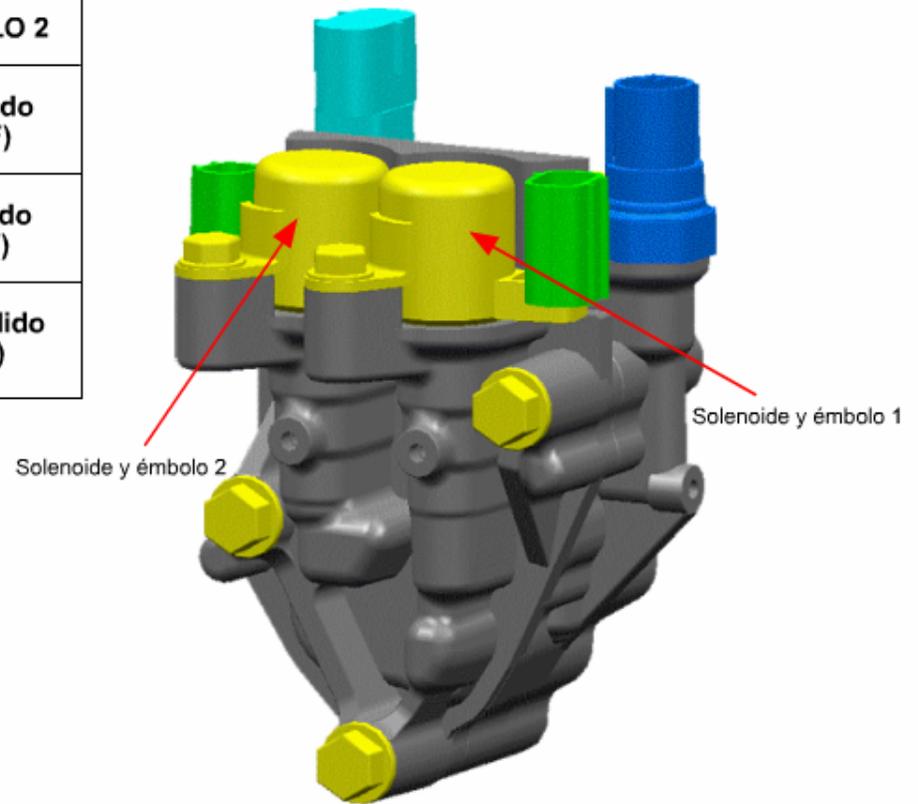
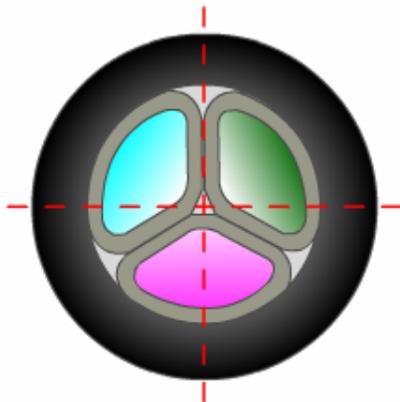






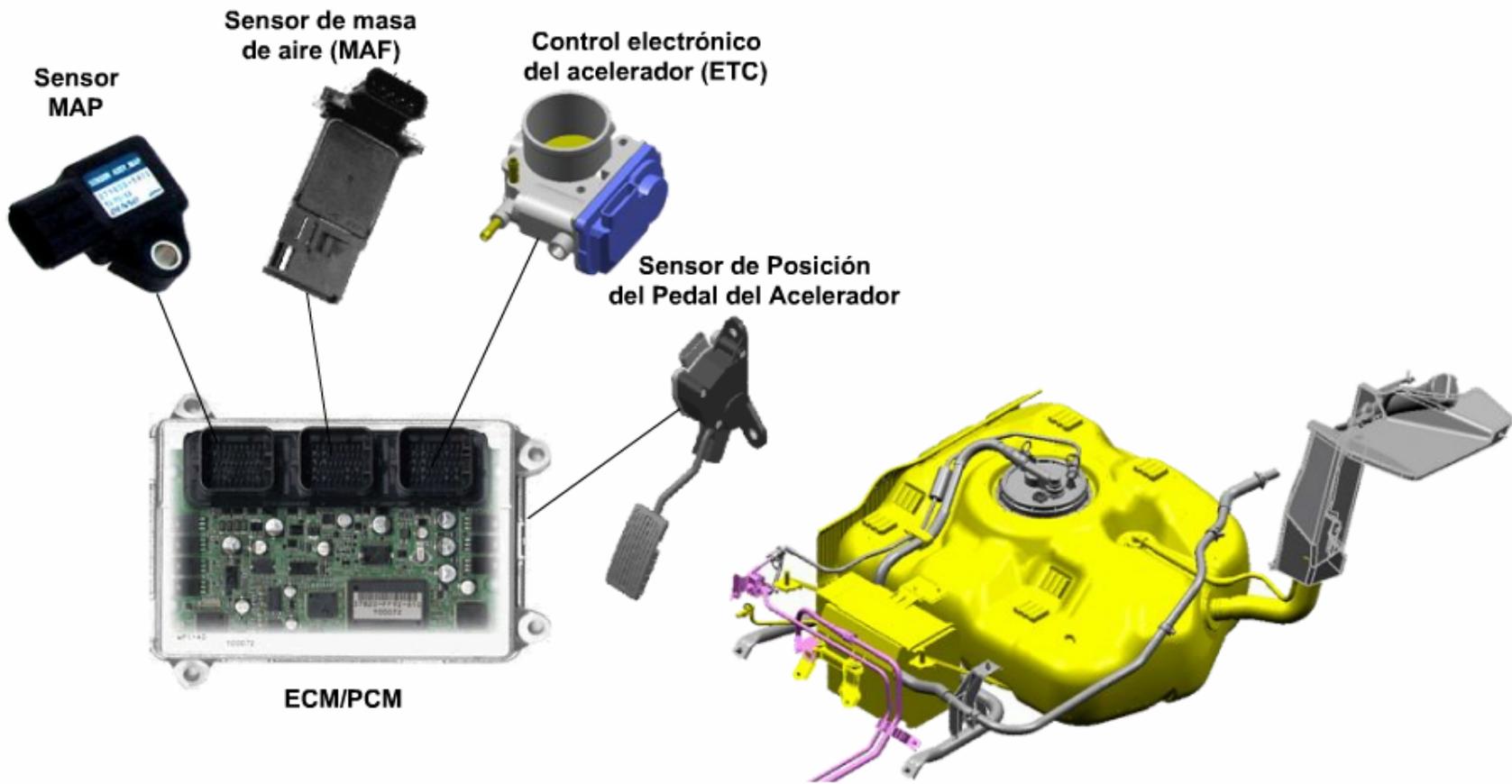


	ÉMBOLO 1	ÉMBOLO 2
Funcionamiento a bajas RPM	Apagado (OFF)	Apagado (OFF)
Funcionamiento a altas RPM	Encendido (ON)	Apagado (OFF)
Administración de los Cilindros Variables	Encendido (ON)	Encendido (ON)

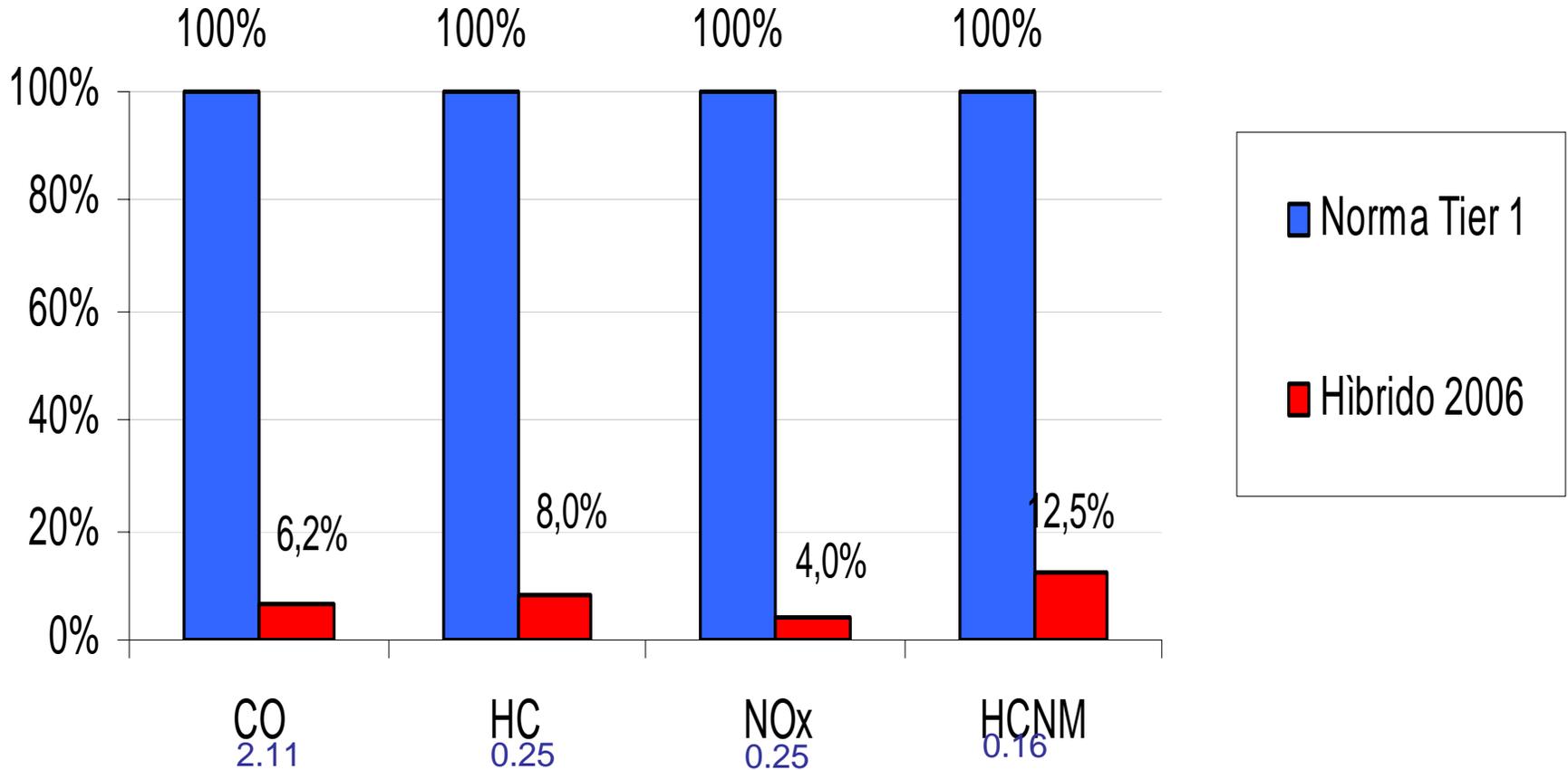


Conjunto de válvulas solenoide del sistema VTEC

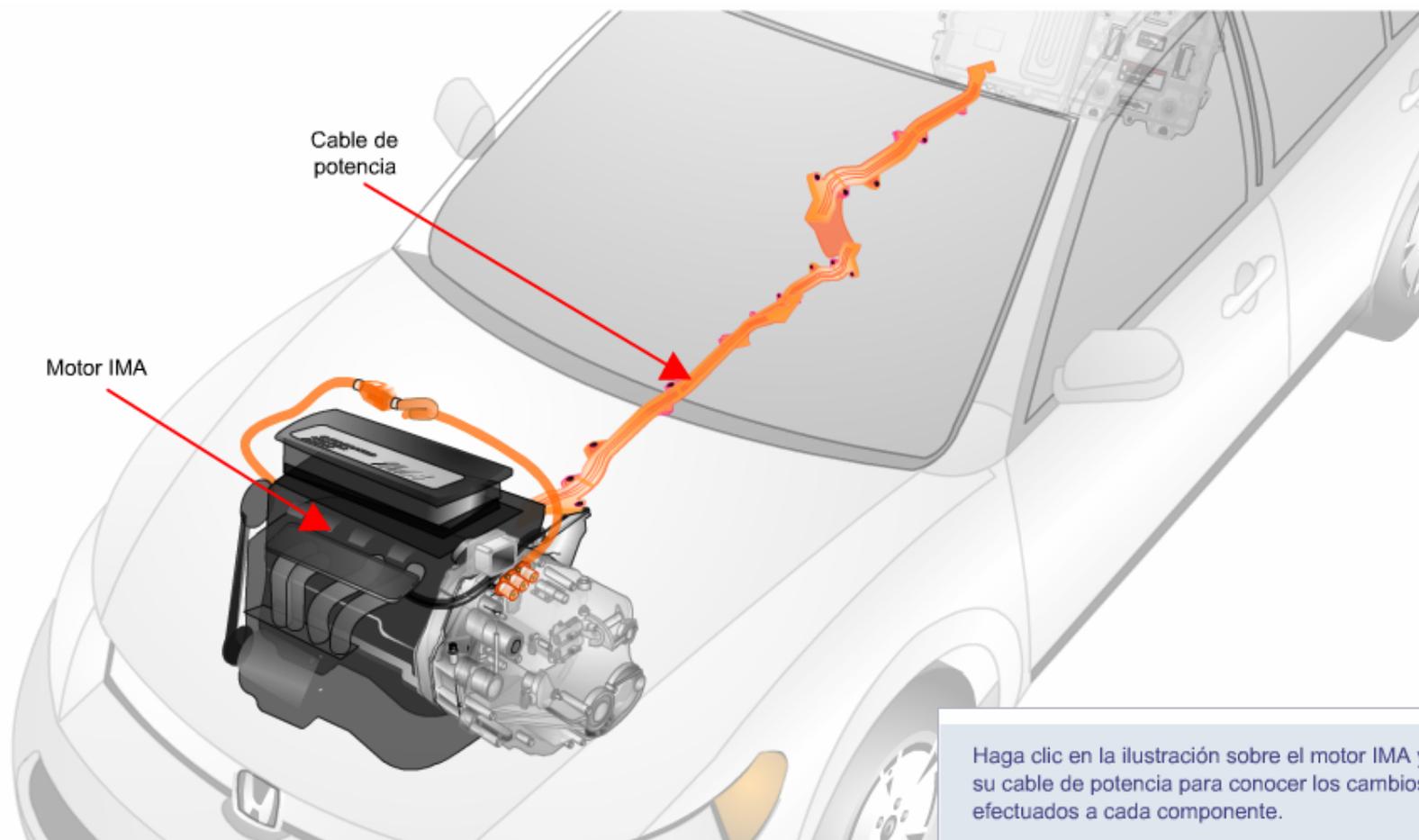
**COMBUSTIBLE  
Y  
EMISIONES**

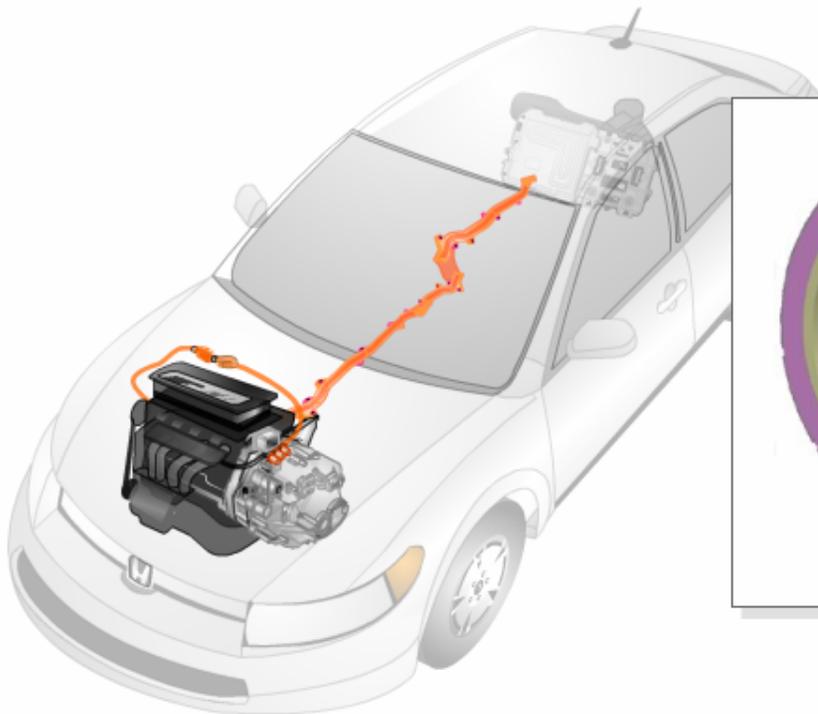


## Cuadro Comparativo Norma Vehículos Livianos vs Civic Híbrido

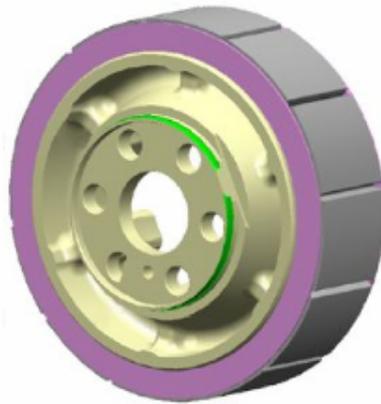


**IMA**

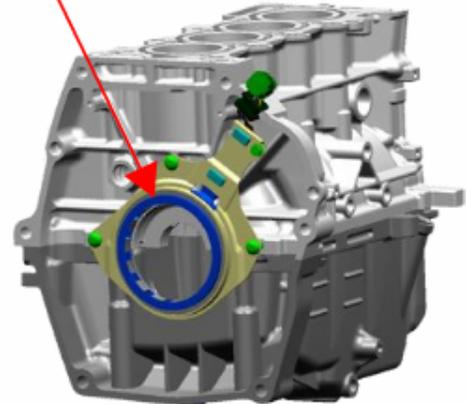




Sensor de  
Conmutación  
del Motor

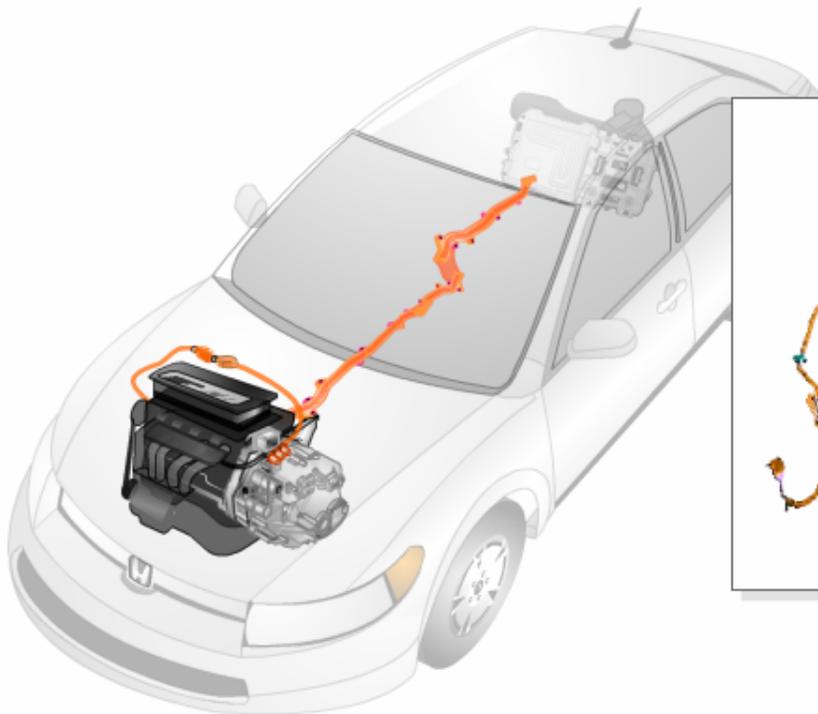


**Rotor del IMA**

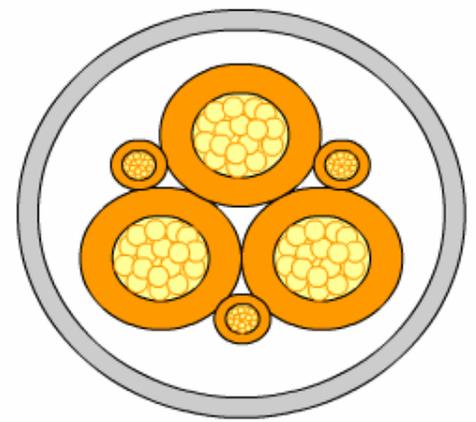


**Bloque del motor IMA**

Haga clic en la ilustración sobre el motor IMA y su cable de potencia para conocer los cambios efectuados a cada componente.

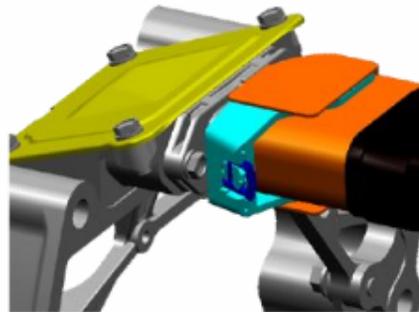
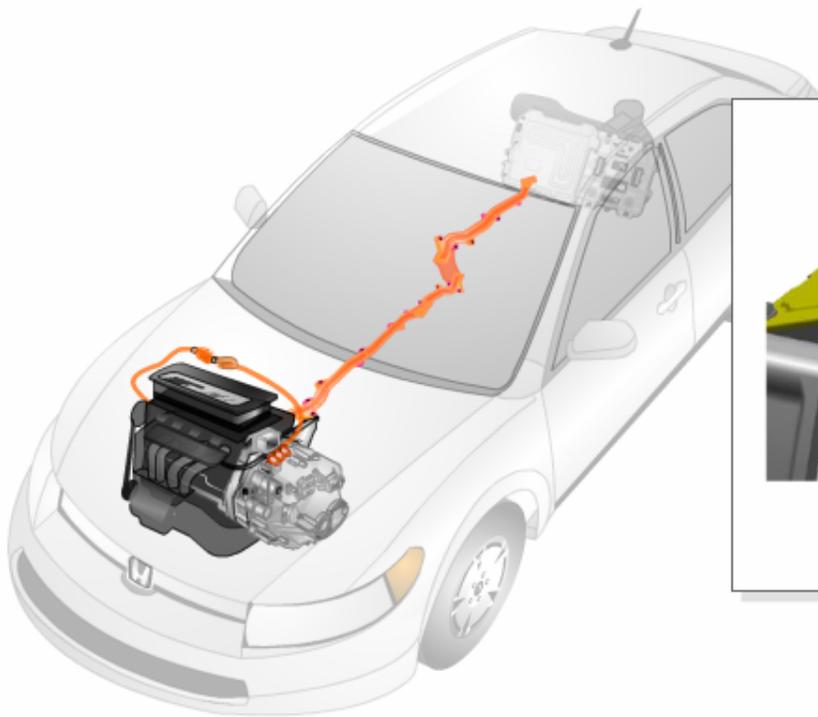


**Cable de potencia**

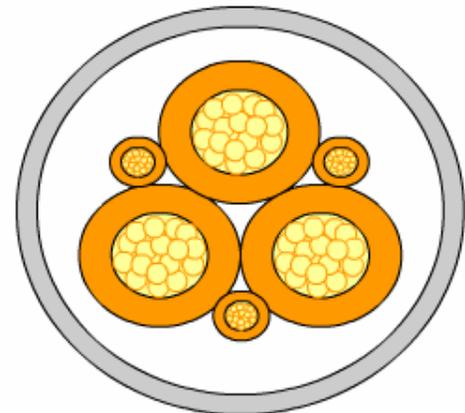


**Vista en corte del cable de potencia**

Haga clic en la ilustración sobre el motor IMA y su cable de potencia para conocer los cambios efectuados a cada componente.

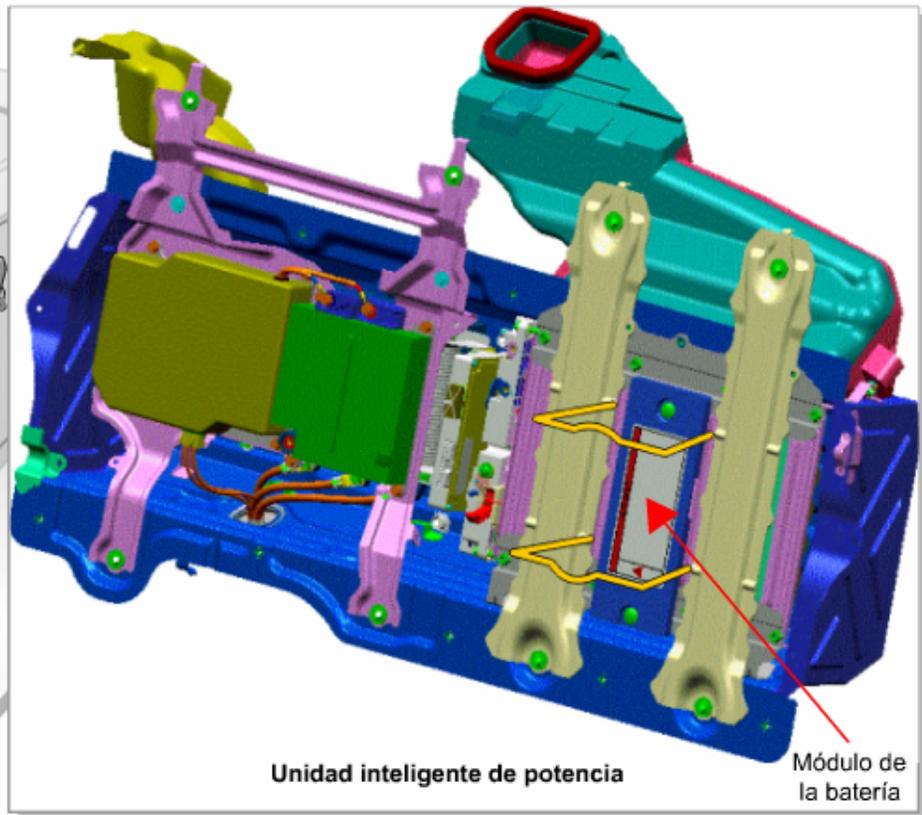
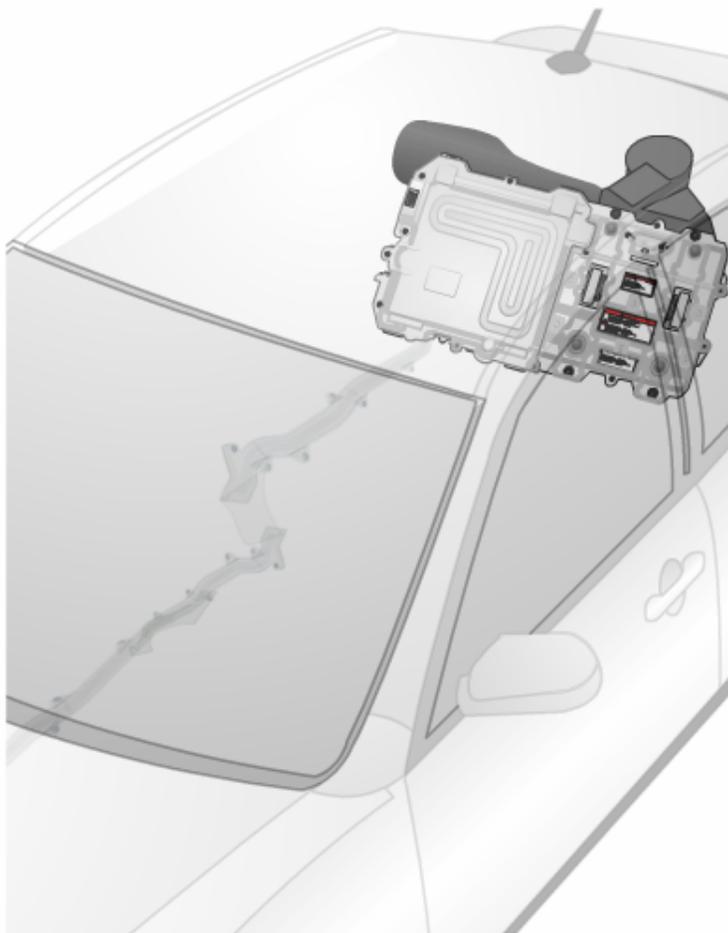


**Conector del Motor IMA**



**Vista en corte del cable de potencia**

Haga clic en la ilustración sobre el motor IMA y su cable de potencia para conocer los cambios efectuados a cada componente.

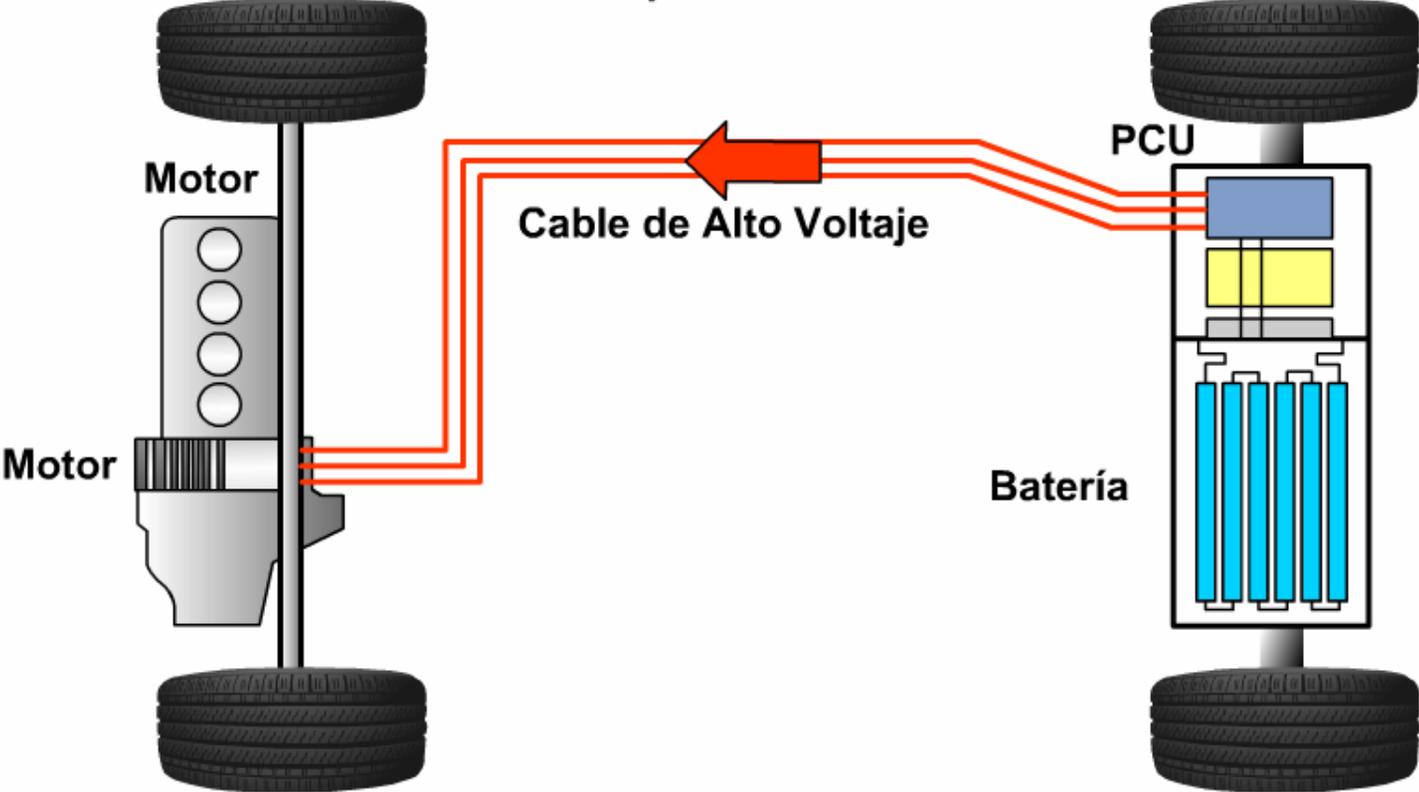


**Unidad inteligente de potencia**

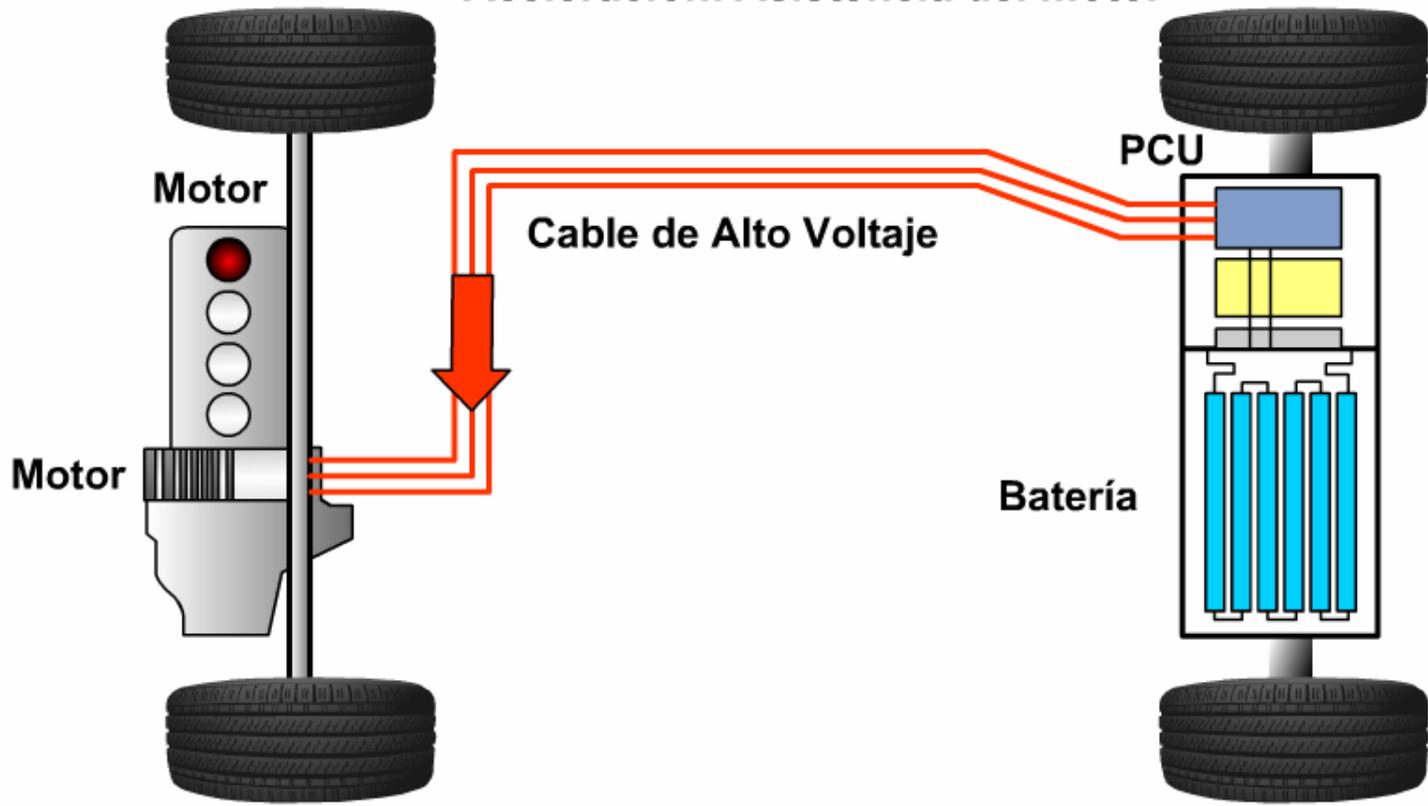
**Módulo de la batería**

Haga clic en la IPU en la ilustración para conocer los detalles.

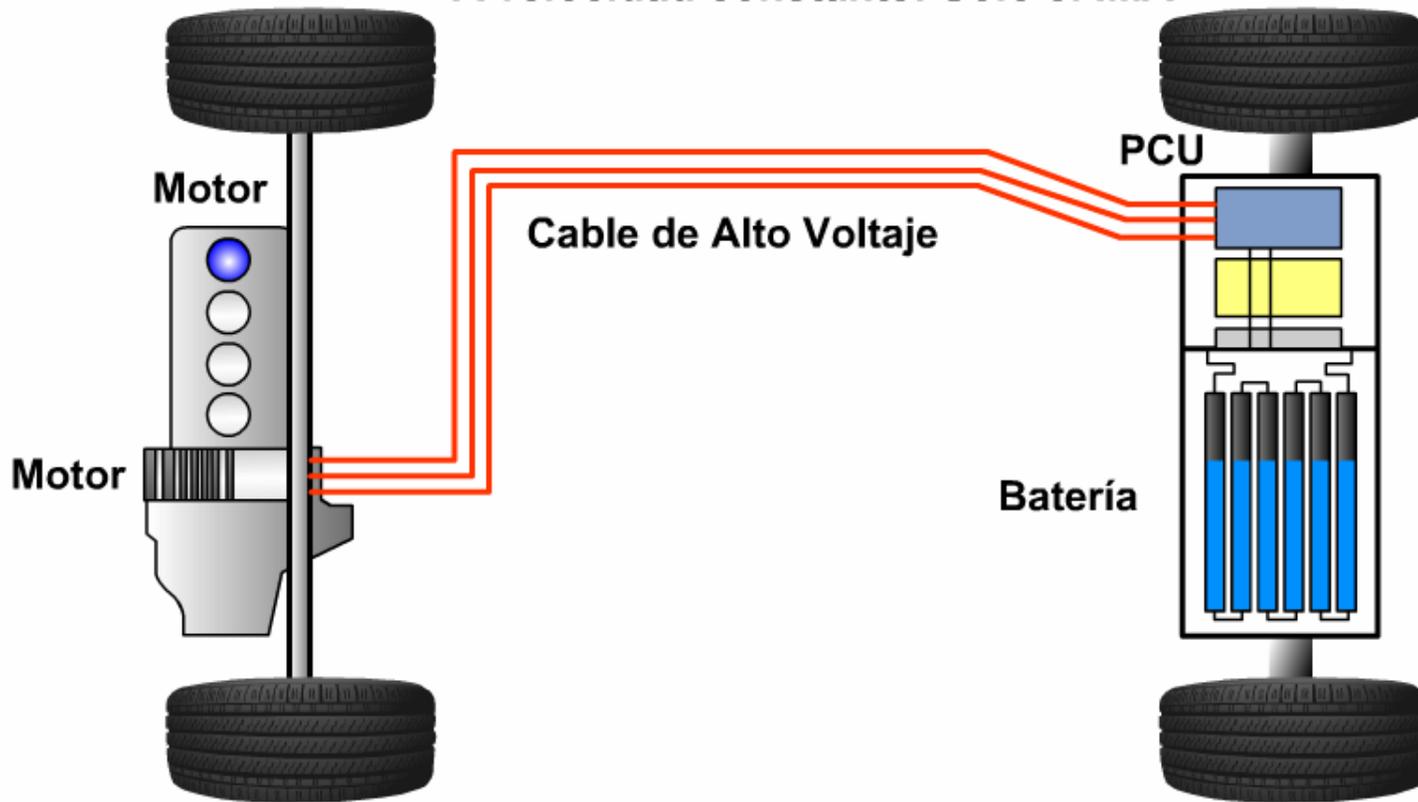
**Arranque normal del motor**



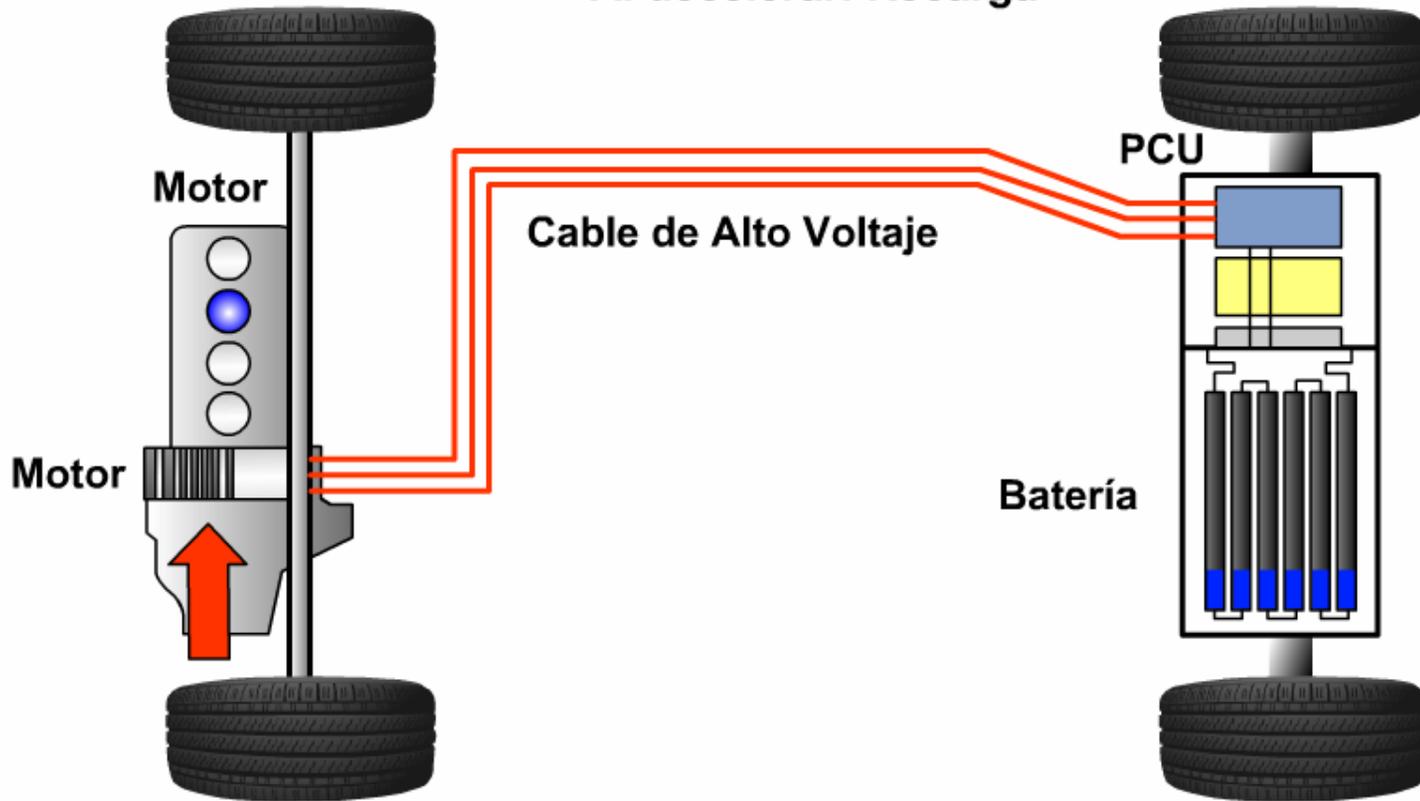
### Aceleración: Asistencia del motor



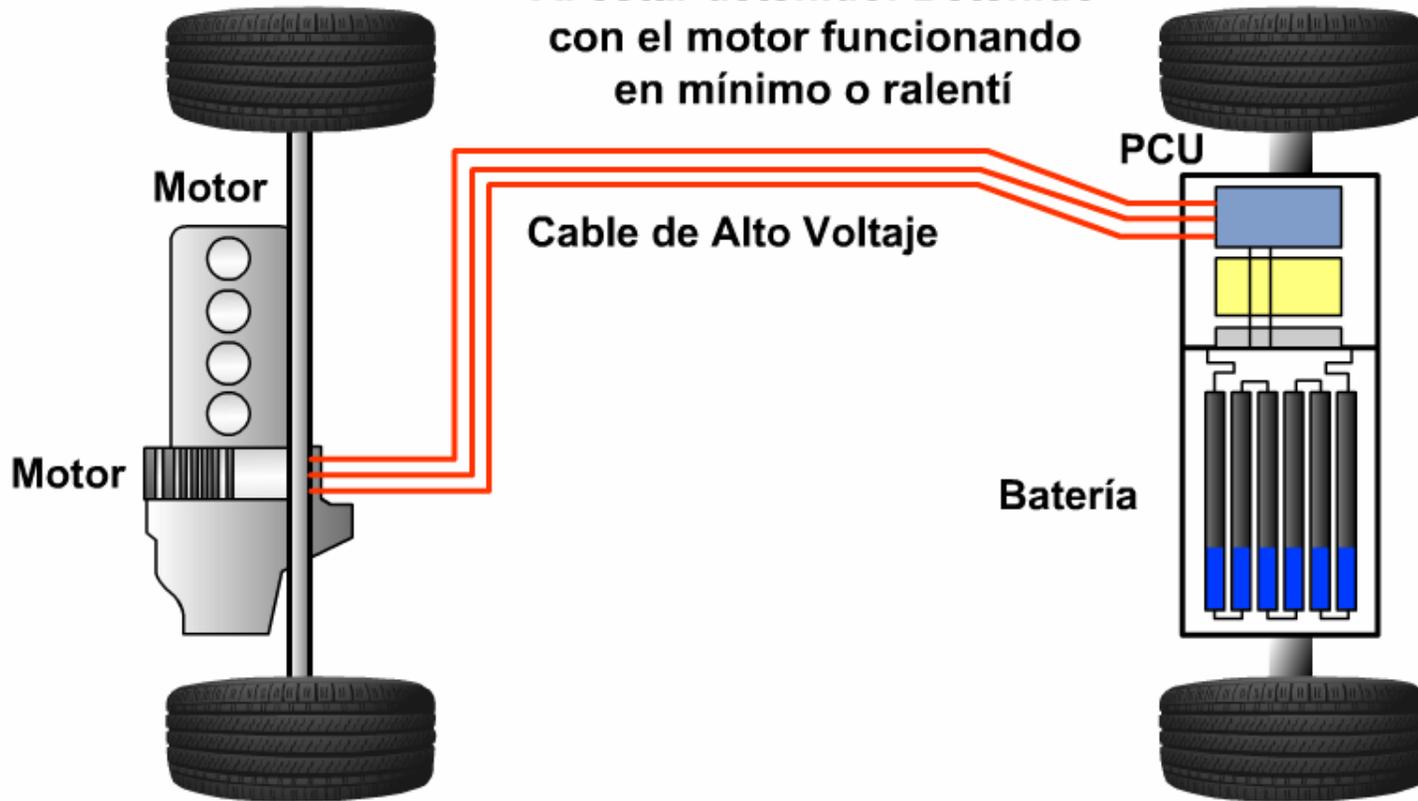
A velocidad constante: Sólo el IMA



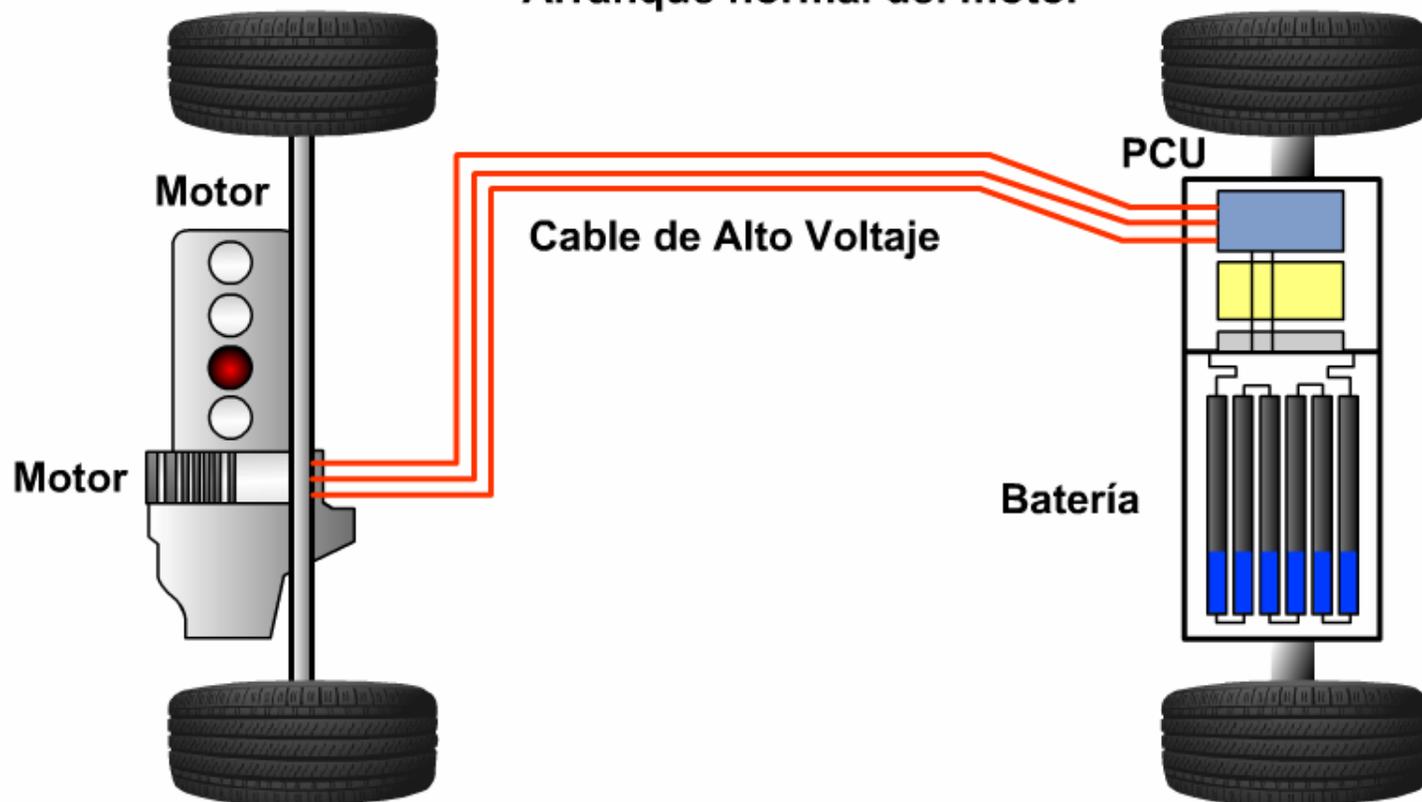
Al decelerar: Recarga

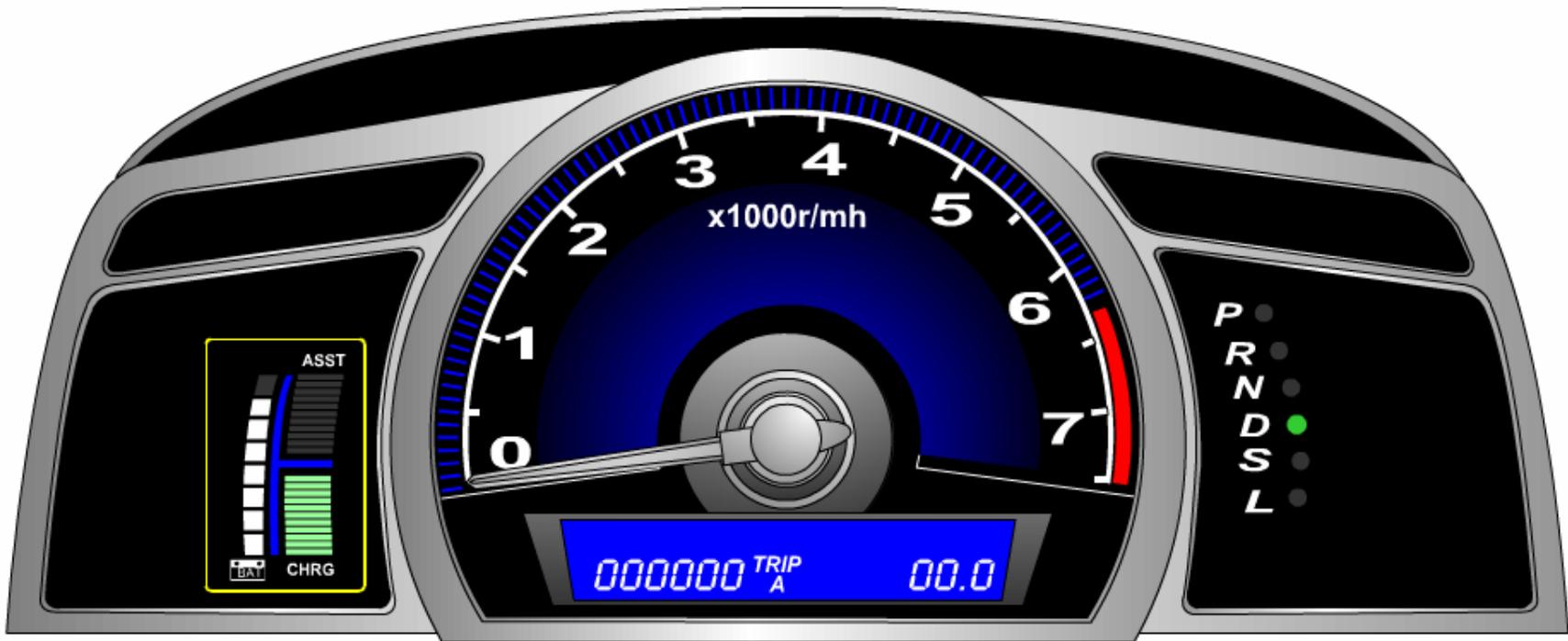


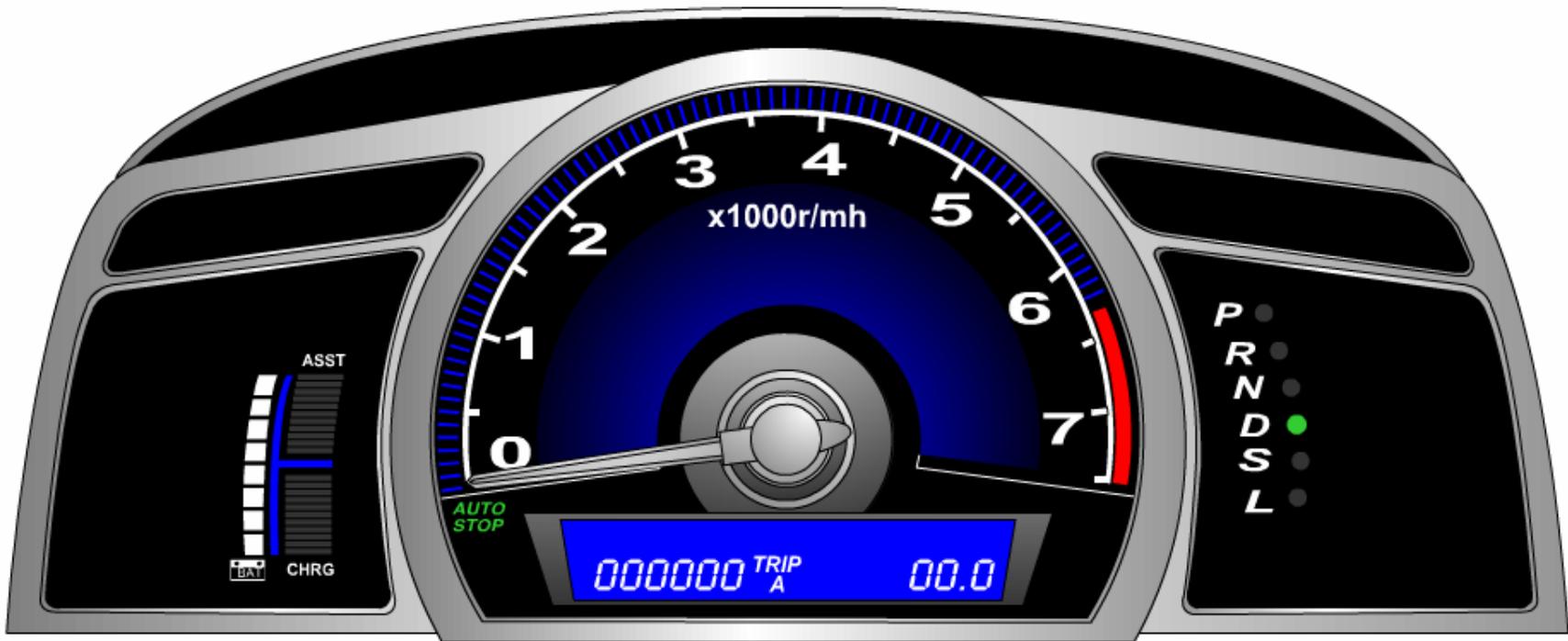
**Al estar detenido: Detenido  
con el motor funcionando  
en mínimo o ralenti**



### Arranque normal del motor



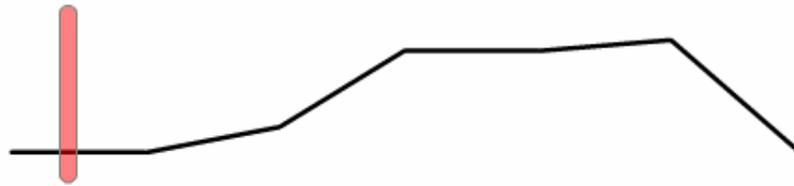
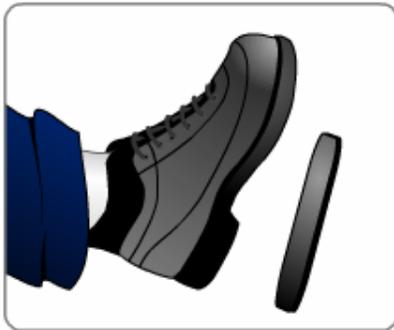
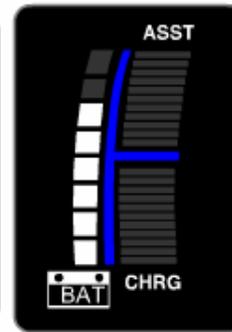




Motor detenido



Detenido con el motor en mínimo

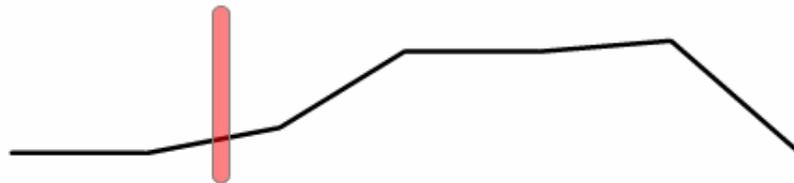
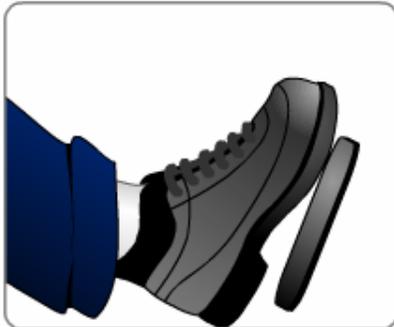
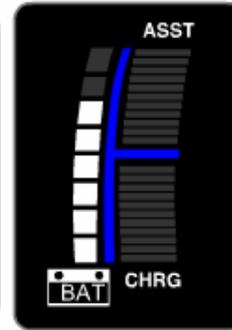


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.

Motor de 4 cilindros



Aceleración ligera

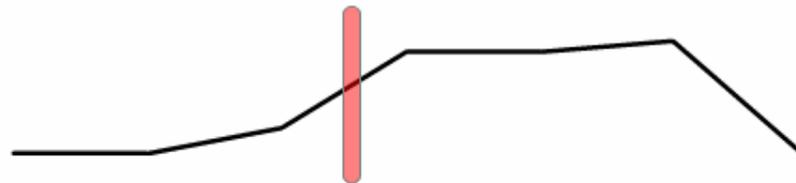
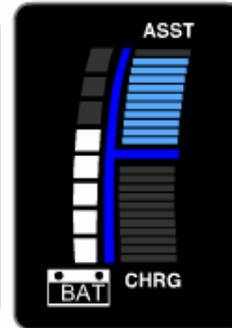


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.

4 cilindros y asistencia



Aceleración más pronunciada

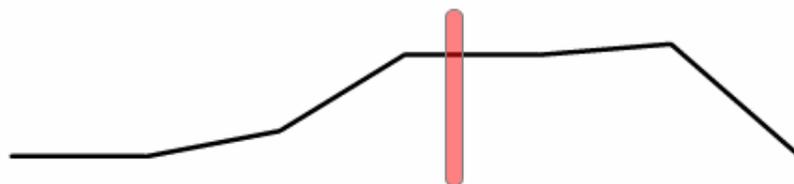
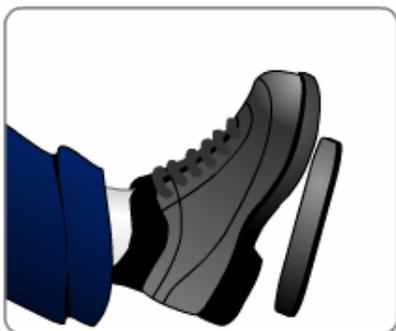
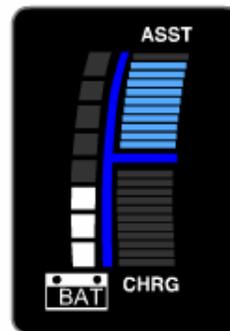


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.

FC (0 cil.) + Motor



Manejo a velocidades constantes

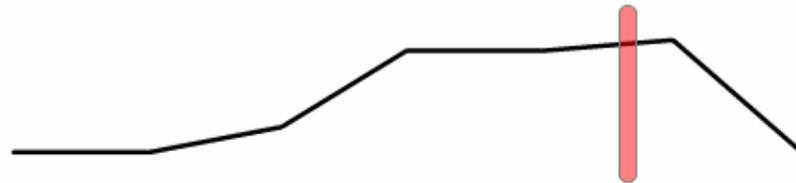
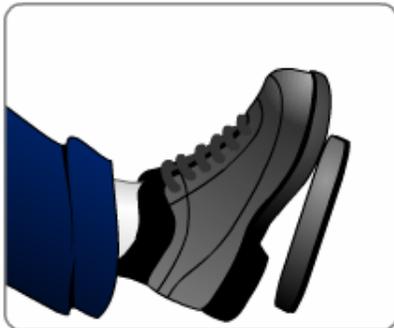
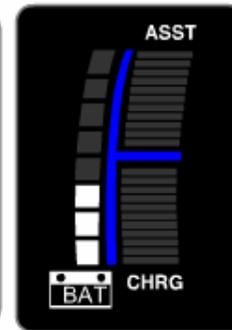
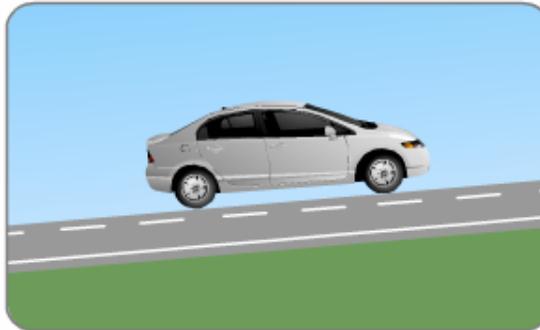


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.

Motor de 4 cilindros

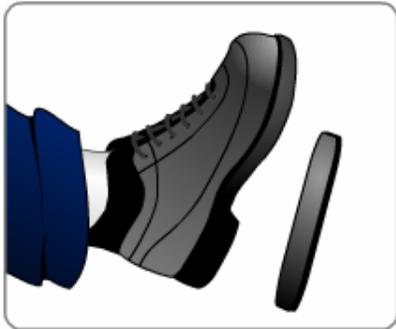


Aceleración ligera

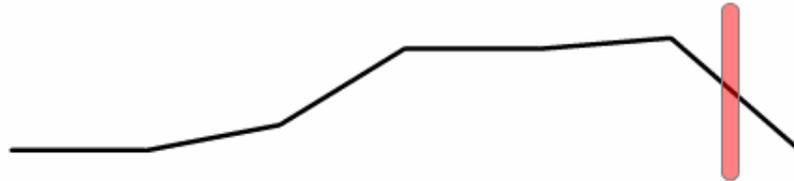
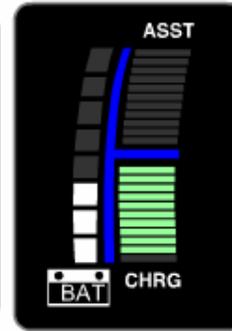
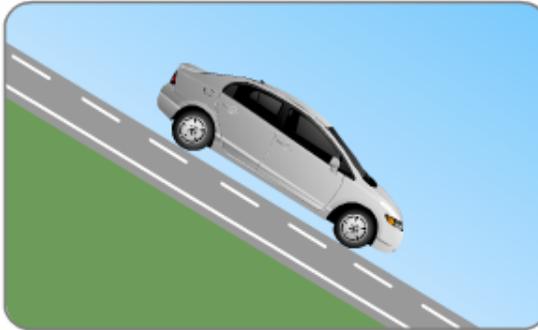


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.

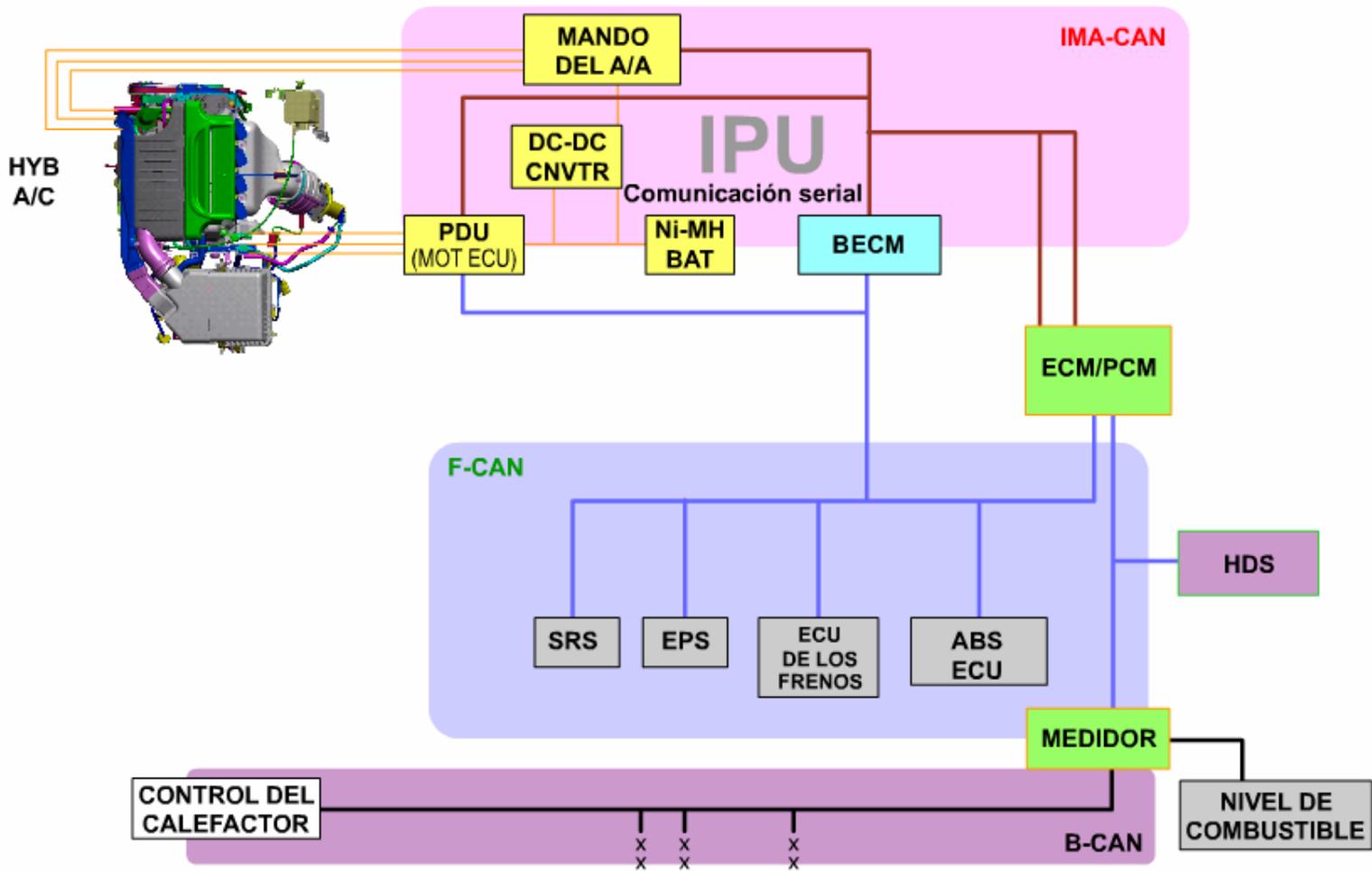
## VCM y regeneración

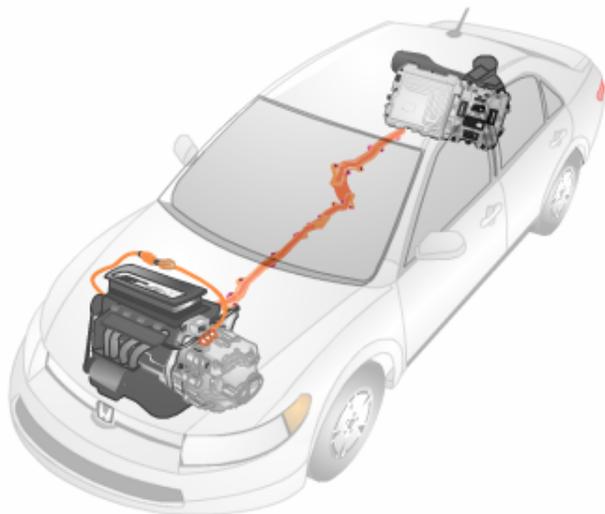


## Deceleración

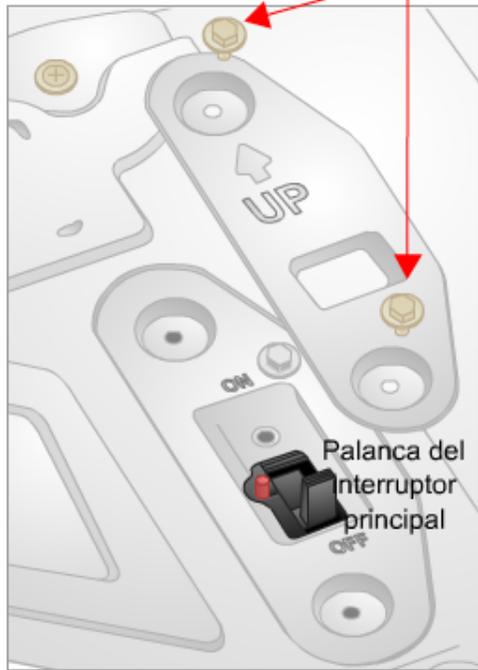


Arrastre la barra roja con el ratón para ver la simulación de las condiciones de manejo.





Pernos de la  
cubierta del interruptor



Palanca del  
interruptor  
principal

The cover of the 'Honda Emergency Response Guide For Hybrid Vehicles'. The top half is blue with the 'HONDA' logo in white. Below the logo, the title 'Emergency Response Guide' is written in large white font, followed by 'For Hybrid Vehicles' in a smaller white font. The bottom half of the cover features a collage of images: a car's headlights, blue emergency lights, and a road at night. At the bottom, in small white text, it reads: 'Prepared for fire services, law enforcement, emergency medical, and professional towing personnel by American Honda Motor Co., Inc.'

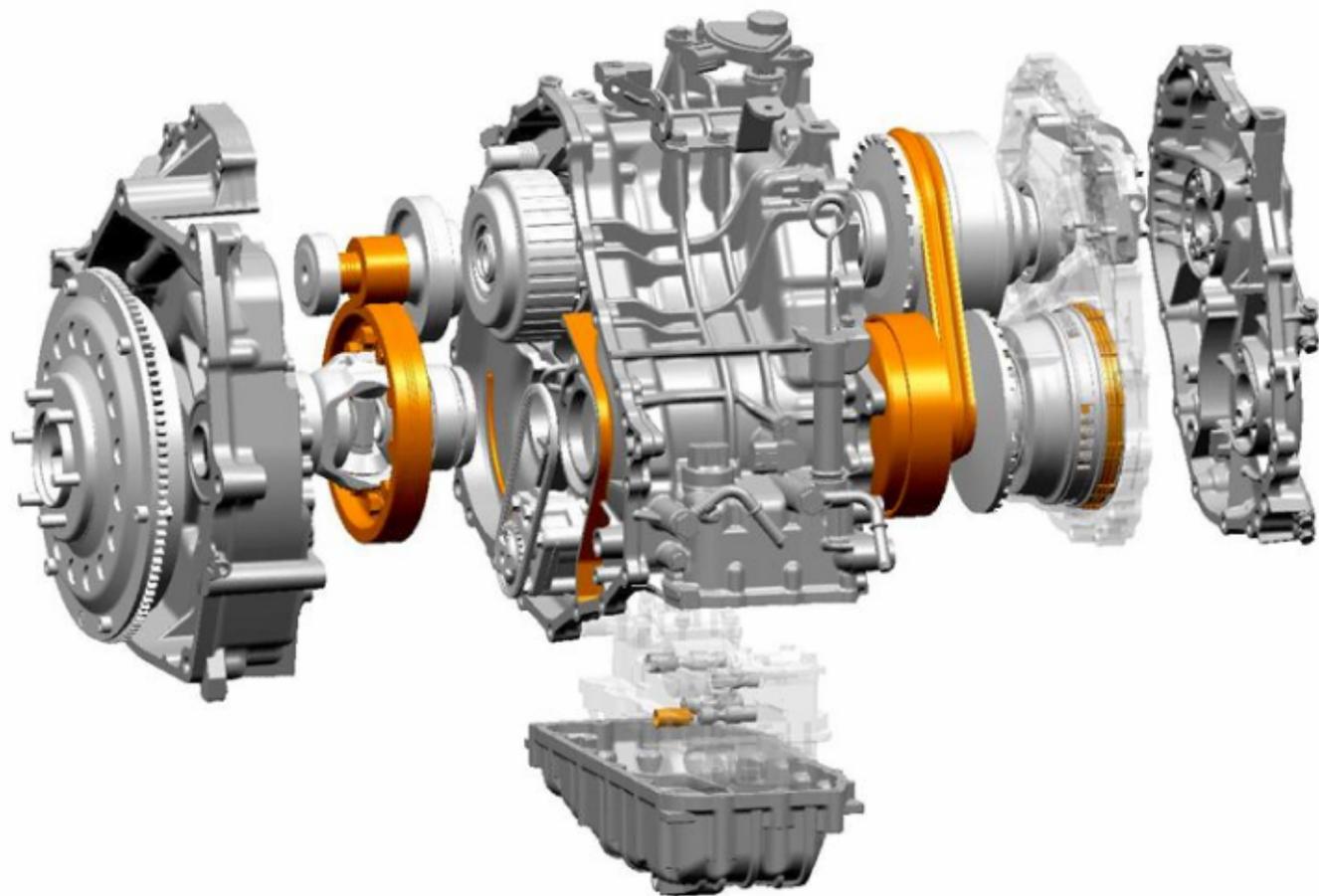
**HONDA**

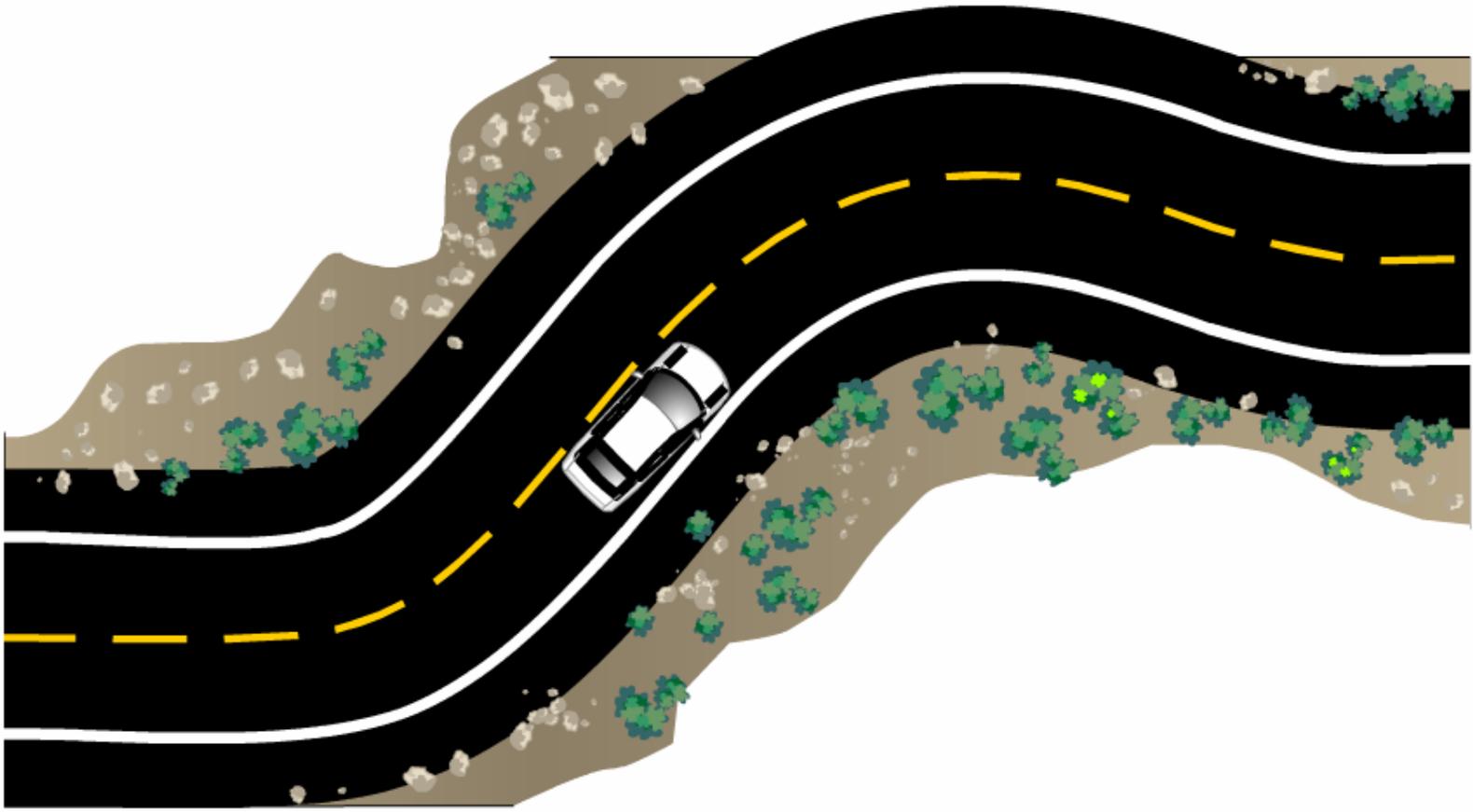
# Emergency Response Guide

For Hybrid Vehicles

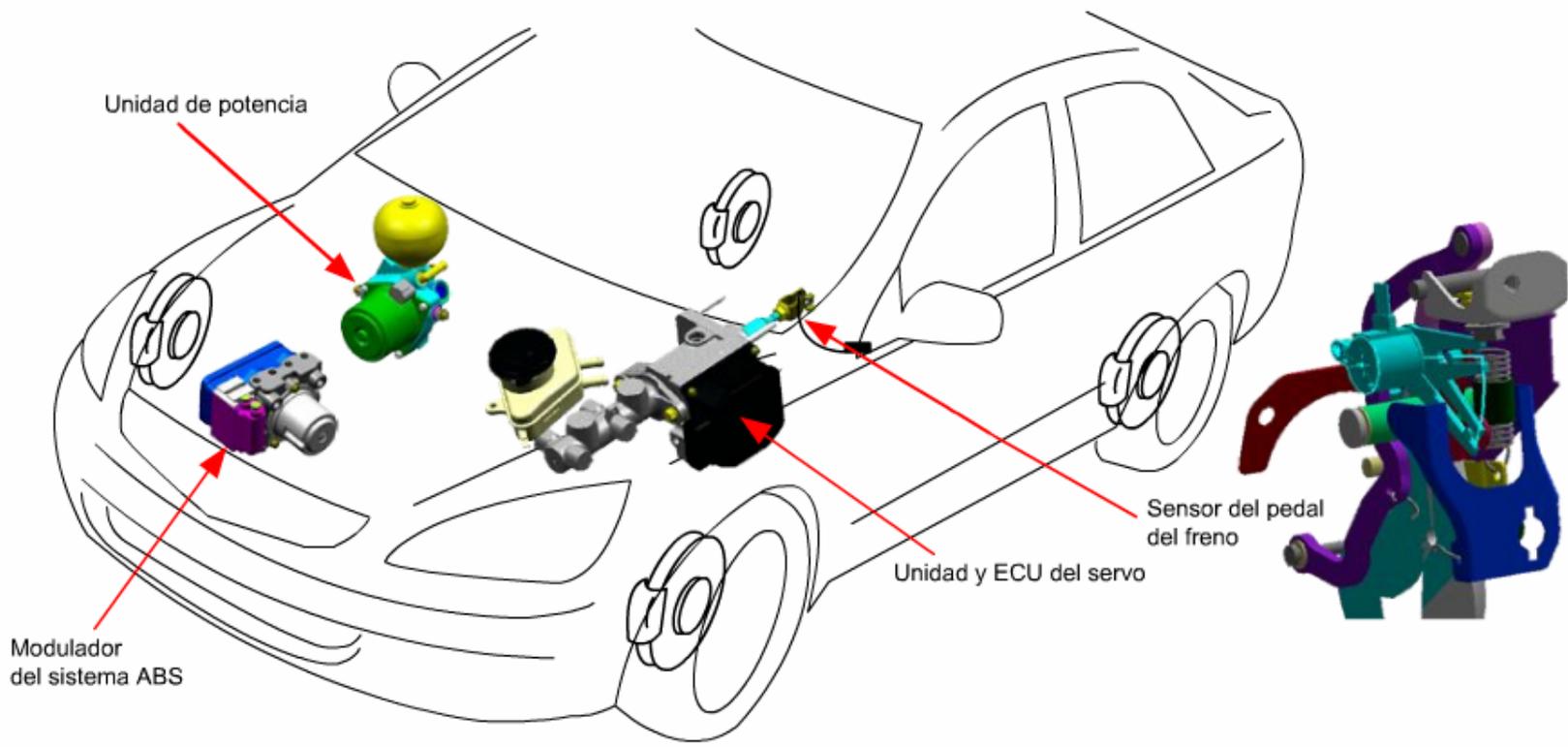
Prepared for fire services, law enforcement,  
emergency medical, and professional towing  
personnel by American Honda Motor Co., Inc.

**TRANSMISSION**

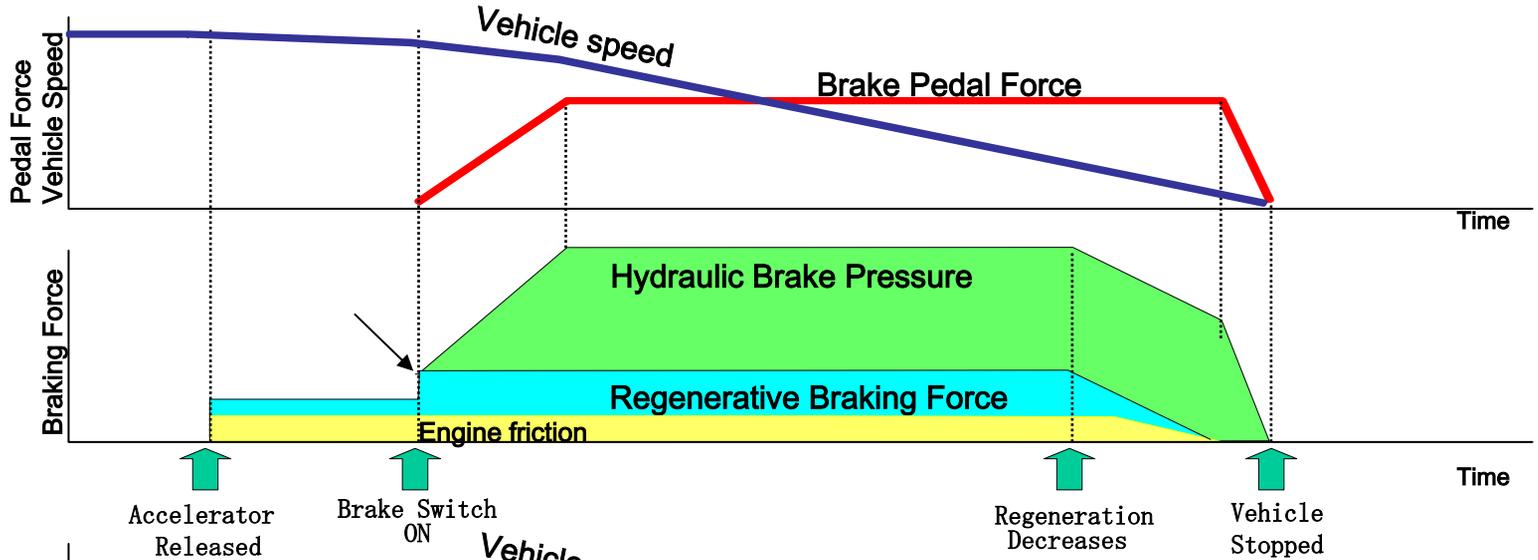




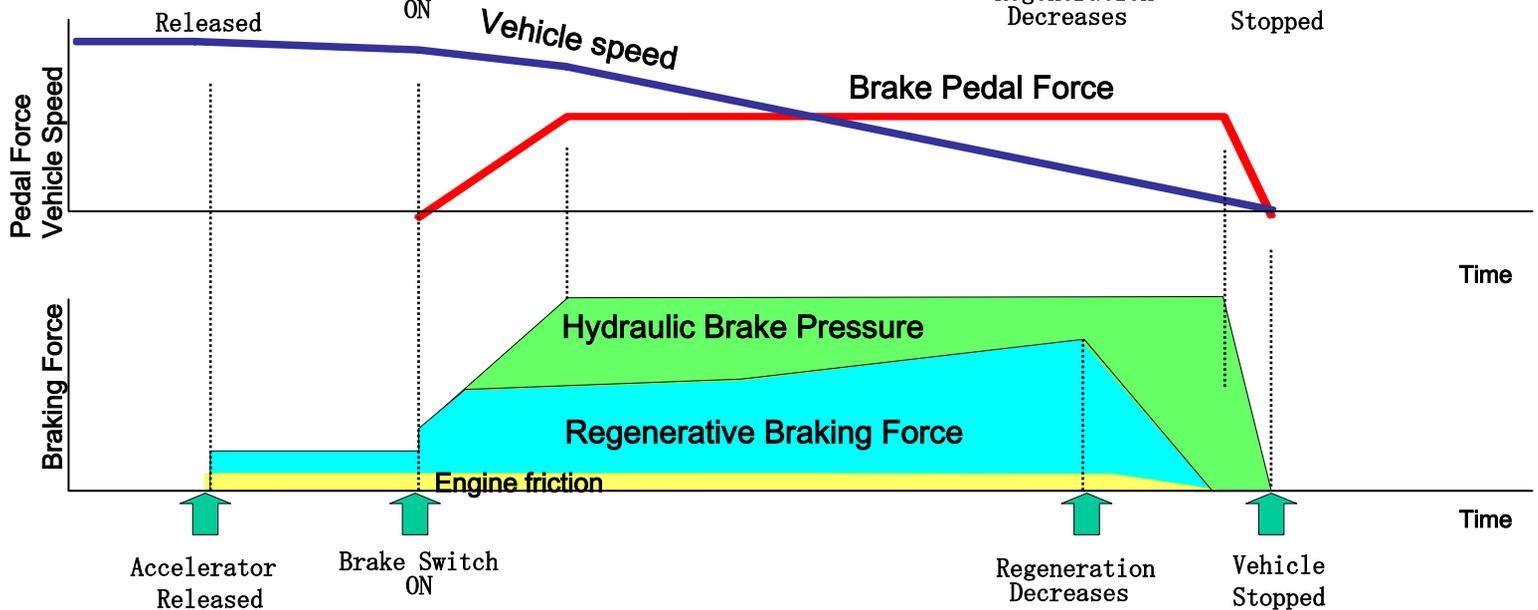
**FRENOS**

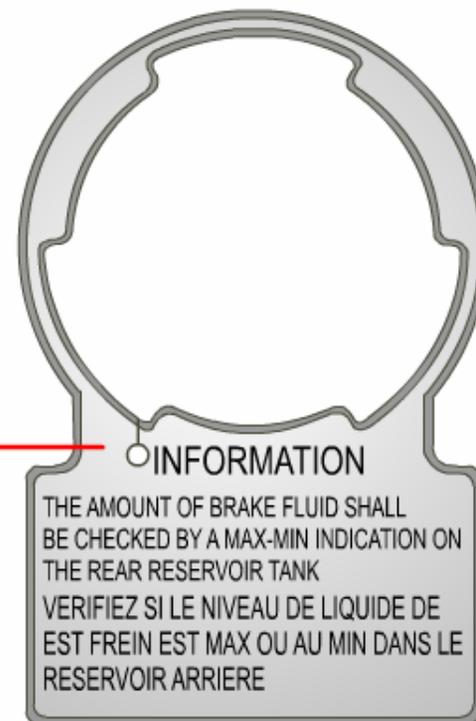
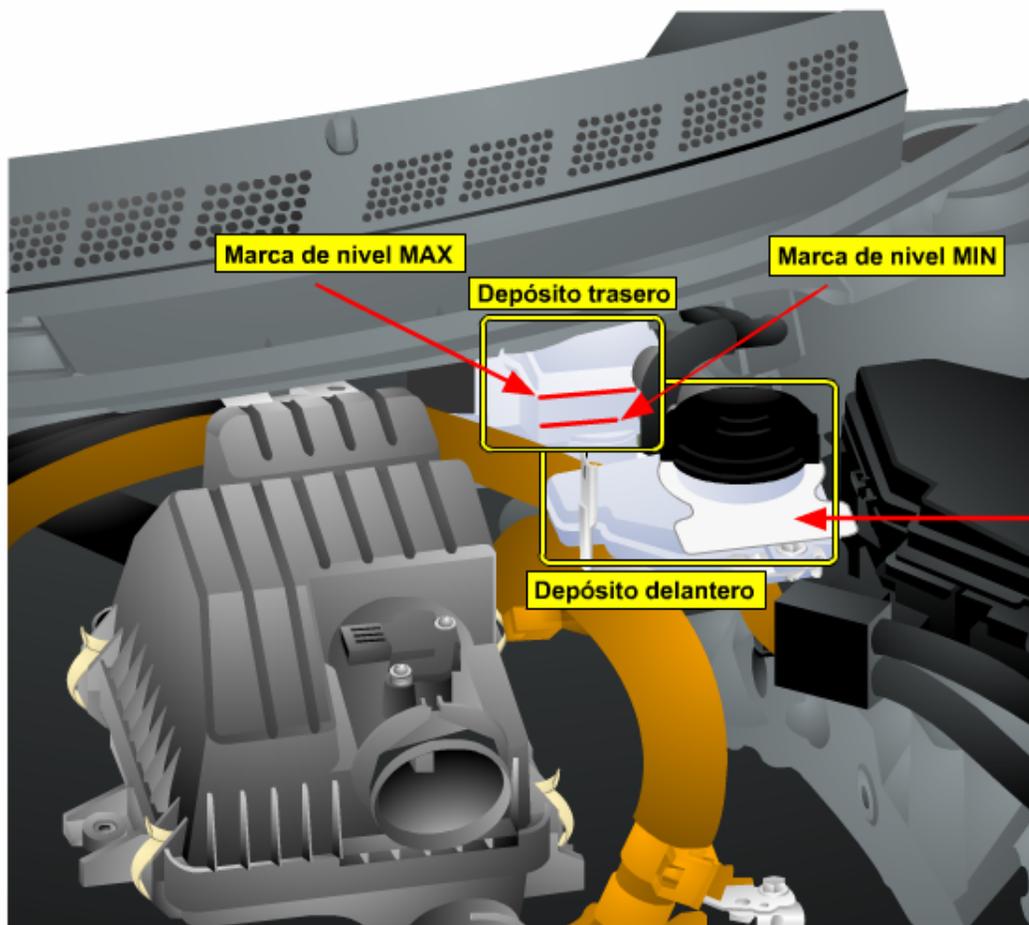


Previous  
Honda  
Hybrid  
Vehicles



2006 Civic  
Hybrid





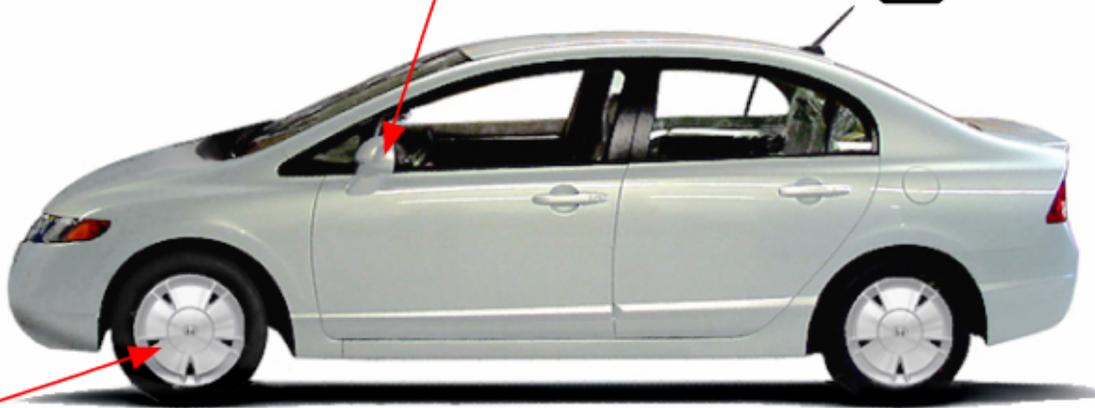
**CARROCERIA**



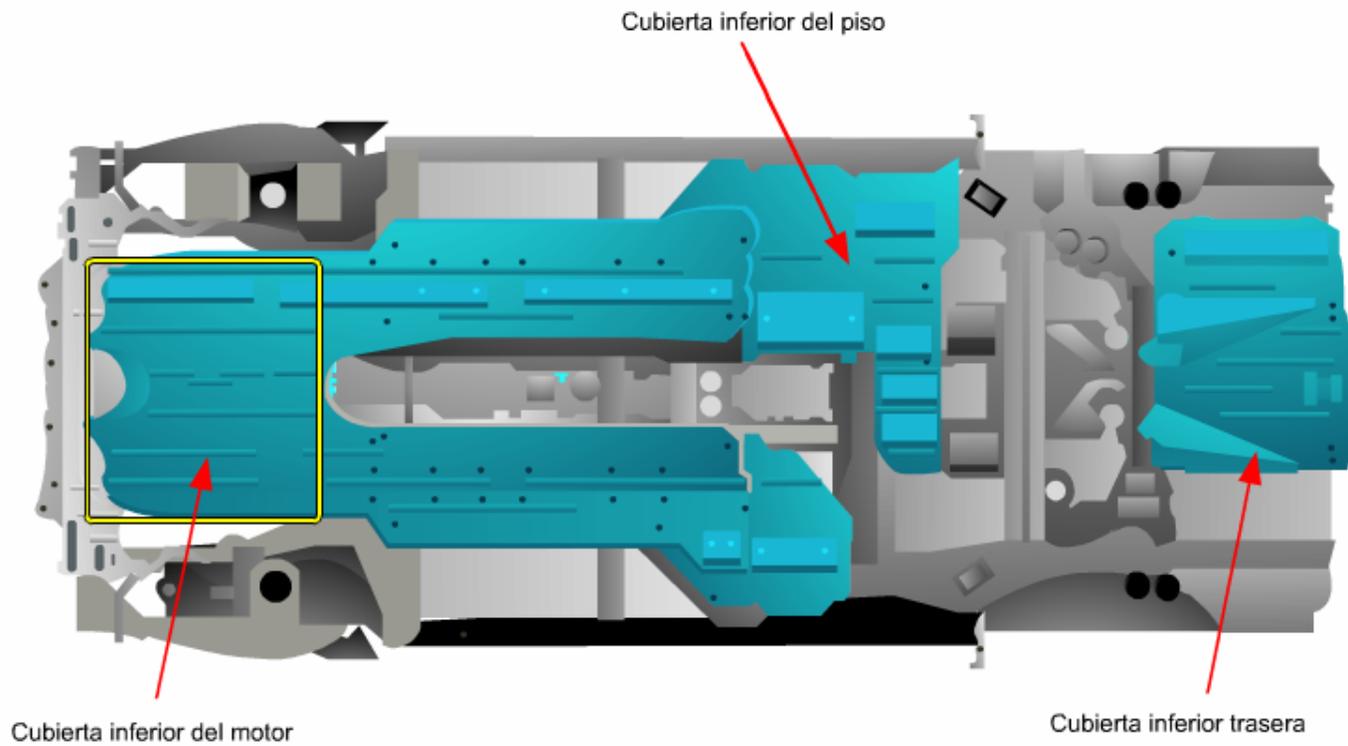
Antena del techo

Deflector del portaequipajes

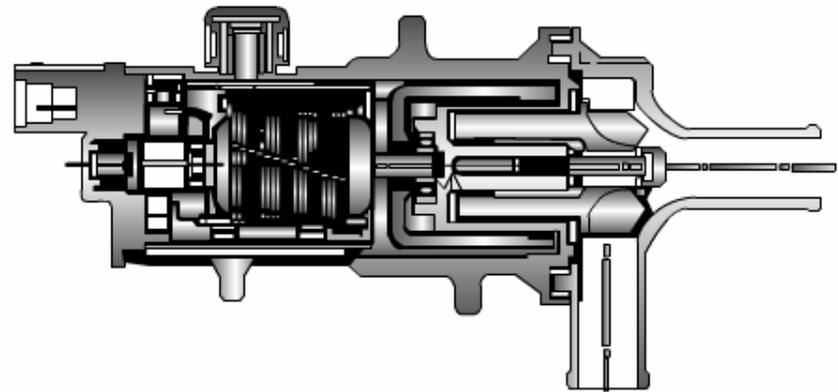
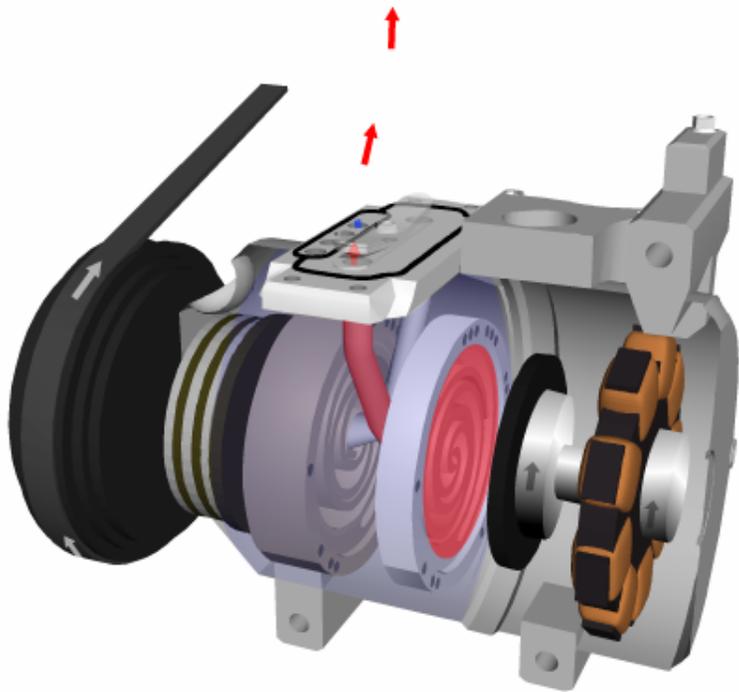
Luces marcadoras laterales y de señal de dirección



Ruedas aerodinámicas de aluminio



# **AIRE ACONDICIONADO**



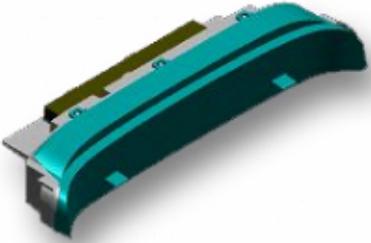
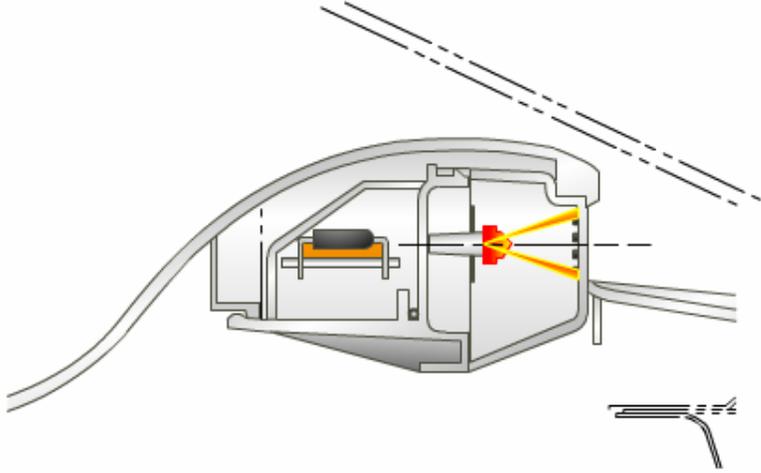


Aceite para compresores híbridos

# **ELECTRICIDAD DE CARROCERIA**



mph·km/h



Nuevo modelo.

# CIVIC

## HYBRID



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