

# Honda Powertrain Actuators

## Active Torque Transfer System

Actuate Solenoid Valve

MCU L/R SOL VALVES PATTERN TEST

## Adaptive Cruise Control System

Actuate VSA-HU by pressure

Actuate VSA-HU by pressure for CMBS

Brake Lamp Relay

Light Lamps

Sound Buzzer

## Auto Transmission

DFT Pressure Control Solenoid A

DFT Pressure Control Solenoid B

DFT Pressure Control Solenoid C

DifGearDamageProtect CntrlLogic

SFT ATF TEMP Indicator Light

SFT ATPP

SFT D Indicator Light

SFT Gear Control

SFT LCA

SFT LCB

SFT Linear Solenoid A Current Control

SFT Linear Solenoid B Current Control

SFT Linear Solenoid C Current Control

SFT Lockup Control

SFT LSOL ( LSOLA )

SFT LSOLB

SFT LSOLC

SFT OD-OFF Indicator Light

SFT SHA

SFT SHB

SFT SHC

SFT SHD

SFT SHE

SFT Shift-lock Solenoid

SFT CASSOLB

SFT DNLS

SFT DRLS

SFT HLCLS

SFT INHSOL

SFT SCLS

SFT SHLS

## Continuously Variable Transmission (CAN)

Cancellation of Differential Gear Protection Mode

Forced control of electric current of Linear Solenoid CPC for to

Forced control of electric current of Linear Solenoid DN

Forced control of electric current of Linear Solenoid DR

Forced control of electric current of Linear Solenoid SC for sta

Forced control of INH Solenoid for start clutch type

Forced control of Shift-lock Solenoid

Forced control of Solenoid A for torque converter type

Forced control of Solenoid B for torque converter type

Forced control of Solenoid O/P for torque converter type

Start Clutch Oil Pressure Learning

## Electronic Automatic Transmission (CAN)

Cancellation of Differential Gear Protection Mode

Forced control of electric current of Linear Solenoid A

Forced control of electric current of Linear Solenoid B

Forced control of electric current of Linear Solenoid C

Forced control of Shift Solenoid A

Forced control of Shift Solenoid B

Forced control of Shift Solenoid C

Forced control of Shift Solenoid D

Forced control of Shift Solenoid E

Forced control of Shift-lock Solenoid

LC Control

Pressure Control Solenoid A Test

Pressure Control Solenoid B Test

Pressure Control Solenoid C Test

Shift Control

## IMA Battery

IMA Fan Control

## Integrated Motor Assist

Battery-fan

IMA-fan

PDU-fan

set data DVCT

## PGM-FI

## Collision Mitigation Brake system

Actuate VSA-HU by pressure

Actuate VSA-HU by pressure for CMBS

Brake Lamp Relay

Light Lamps

Sound Buzzer

## Continuously Variable Transmission

SFT CASSOLA

A/C Clutch  
ABV (Air Bypass Valve Solenoid)  
ACD System Diagnosis  
ACDSD (All Cylinder Deactivation System)  
ACM (Active Control Engine Mount)  
AEM Control Status VPS On  
AEM Control VPS Off  
AEM Control VPS On  
All Injectors Deactivate  
C. C. Cancel History  
Crank Position Sensor Notch Learn  
CSS (Cylinder Stop Solenoid)  
DBW System Inhibitor Relay  
DBW throttle position  
Disable all OBD items (except misfire monitoring)  
Disable misfire monitoring  
EGR Test  
EGR valve  
ETCS(TAC) Test  
ETCS(TAC) TP Learning Check  
EVAP emission control solenoids (PCS/VSV)  
EVAP Function Test  
EVAP Multi Solenoid Test - AT  
EVAP Multi Solenoid Test - MT  
EVAP Single Solenoid Test - AT  
EVAP Single Solenoid Test - MT  
Front ACM Control  
Front ACM Status Control  
Fuel Pump  
IACV Test  
Idle Adjust  
IMT(IMRC) Activation  
IMT(IMRC) Test  
Injector Deactivation  
O2S Test  
Off-board EVAP Test (Level 2) Support  
One Injector  
Purge Control Solenoid Valve  
Radiator Fan  
Rear ACM Control  
Rear ACM Status Control  
Resolver Zero-Position Offset Calibration  
Sol. V. Activation  
SVS (Shutter-Valve solenoid)  
Variable Cylinder Management II  
Variable Cylinder Management II for circuit check  
VCM and ACM  
VFP (Variable Speed Fuel Pump)  
VFT (Turbocharger Boost Control Solenoid)  
VPS VTEC Test

VSV (Vent Shut Valve)  
VTC Test  
VTC valve  
VTEC Low V/T Check  
VTEC solenoids  
VTEC solenoids (ACD system only)  
VTEC Test  
VTEC with exhaust valve timing control system  
VTEC with exhaust valve timing control system for circuit chec  
WGS (Waste Gate Solenoid)

## PVT

SFT CASSOLA  
SFT CASSOLB  
SFT DNLS  
SFT DRLS  
SFT HLCLS  
SFT INHSOL  
SFT SCLS  
SFT SHLS

## SH-AWD

Both side clutch coils test  
Left Side Coil Test  
Right Side Coil Test

## Var Torque Management 4WD

Both side clutch coils test  
Left Side Coil Test  
Right Side Coil Test

# Honda Body Actuators

## Adaptive Frontlight

ADJ Motor  
AFS Reflector

## Auto Air Conditioner

Self diagnosis

## Center Panel

DUAL indicator  
FR-DEF indicator  
RECIRC indicator  
RR-DEF indicator  
Segment LCD (Non-Navi)  
Self diagnosis  
Sub display segment LCD (Navi)  
TFT-LCD backlight (Navi)

## Driver Door

Assistant door  
Assistant Door Mirror  
Assistant Side Power Window  
Assistant's Inner Handle Illumination Light  
Assistant's Outer Handle Illumination Light  
Assistant's Remote Switch Illumination Light  
Driver Door  
Driver Door Mirror  
Driver Side Power Window  
Driver's Inner Handle Illumination Light  
Driver's Outer Handle Illumination Light  
Driver's Remote Switch Illumination Light  
Left Rear Power Window  
Memory Indicator 1  
Memory Indicator 2  
Memory Sw Illum Light  
Rear Left Light  
Rear Right Light  
Resetting Power Window  
Right Rear Power Window  
Sun roof  
Trunk & Fuel opener switch illumination light

## Memory Seat

Column Telescopic Motor  
Column Tilt Motor  
Front Height Motor  
Headrest Motor  
Left Mirror Actuator

Memory Buzzer  
Memory indicator 1  
Memory indicator 2  
Rear Height Motor  
Recall Memory Position  
Recline Motor  
Right Mirror Actuator  
Slide Motor  
Store Memory Position  
Tilt Mirror

## Meter

4 Doors & Tailgate LCD Segments  
4WD Trouble Lamp  
A/T Temp Lamp  
ABS Trouble Lamp  
AFS Trouble Lamp  
AT 1/L Indicator  
AT 2/M Indicator  
AT D Indicator  
AT D3 Indicator  
AT D3(O/D OFF) Indicator  
AT N Indicator  
AT P Indicator  
AT R Indicator  
AT Tiptro shift 1 Indicator  
AT Tiptro shift 2 Indicator  
AT Tiptro shift 3 Indicator  
AT Tiptro shift 4 Indicator  
AT Tiptro shift 5 Indicator  
Auto Stop Lamp  
Back Window Open Lamp  
Charging Trouble Lamp  
Cruise Main Sw Lamp  
Cruise Operation Lamp  
Deficiency Warning  
DRL System Trouble Lamp  
EBD Trouble Lamp  
ECO Indicator Lamp  
ECT Meter Drive  
Engine Speed Meter Drive  
EPS Indicator Lamp  
FI Trouble Lamp  
Front Fog Lamp  
Fuel Meter Drive  
Fuel Warning Lamp  
HIDS Trouble Lamp  
High Beam Operation Lamp

Ign Key not Removed Alarm  
 IMA Ind (IMA status ASST/CHRG)  
 IMA Indicator (Battery Level)  
 IMA Warning Lamp  
 Light Control Trouble Lamp  
 Light not Turned off Alarm  
 LKAS OFF Lamp  
 MAINT REQ'D Operation Lamp  
 Master Warning Lamp  
 Meter Lighting Illum Control  
 Oil Press Trouble Lamp  
 Overspeed Alarm  
 Park Brake Warning Alarm  
 PSD(Left Side) Trouble Lamp  
 PSD(Right Side) Trouble Lamp  
 PTG/PTL Trouble Lamp  
 Rear Window Open Alarm  
 Reversing Alarm  
 Seatbelt Indicator Lamp  
 Seatbelt not Fastened Alarm  
 Security Operation Lamp  
 SMALL Operation Lamp  
 Smart Entry Trouble Lamp  
 Tailgate Open Alarm  
 Tire LCDs  
 Tire Pressure Warning Lamp  
 TPMS Trouble Lamp  
 TRIP indication  
 Trunk Open Lamp  
 Vehicle Speed Meter Drive  
 VSA

## Multiplex Integrated

Cargo Light  
 Cargo light relay  
 Courtesy (DR) Light  
 Courtesy (Pass) Light  
 Courtesy LT RA  
 Courtesy LT RD  
 Daytime Running Light Relay  
 Door Lock  
 Floor Light  
 Foot Light  
 Front defroster  
 Front defroster relay  
 Front Fog Motor  
 Front Washer Motor  
 Front Wiper Motor  
 Fuel lid  
 Glass hatch

Hazard flasher (For security)  
 Hazard flasher (Turn left and right)  
 Head light (high)  
 Head light (low)  
 Head light Backup  
 Head light Cleaner  
 Horn  
 Ignition Key Light  
 Interior Light  
 Keyless Buzzer  
 Map light Off  
 Power window relay  
 Rear defroster relay  
 Rear Fog Light  
 Rear Washer Motor  
 Rear Wiper Motor  
 Small Light  
 Starter Switch Motor  
 Trunk - Unlock  
 Turn-signal  
 Ultrasonic check

## Multiplex Integrated Control Unit Driver

Cargo Light  
 Cargo light relay  
 Courtesy (DR) Light  
 Courtesy (Pass) Light  
 Courtesy LT RA  
 Courtesy LT RD  
 Daytime Running Light Relay  
 Door Lock  
 Floor Light  
 Foot Light  
 Front defroster  
 Front defroster relay  
 Front Fog Motor  
 Front Washer Motor  
 Front Wiper Motor  
 Fuel lid  
 Glass hatch  
 Hazard flasher (For security)  
 Hazard flasher (Turn left and right)  
 Head light (high)  
 Head light (low)  
 Head light Backup  
 Head light Cleaner  
 Horn  
 Ignition Key Light  
 Interior Light  
 Keyless Buzzer

Map light Off  
Power window relay  
Rear defroster relay  
Rear Fog Light  
Rear Washer Motor  
Rear Wiper Motor  
Small Light  
Starter Switch Motor  
Trunk - Unlock  
Turn-signal  
Ultrasonic check

## Multiplex Integrated Control Unit Passenger

Cargo Light  
Cargo light relay  
Courtesy (DR) Light  
Courtesy (Pass) Light  
Courtesy LT RA  
Courtesy LT RD  
Daytime Running Light Relay  
Door Lock  
Floor Light  
Foot Light  
Front defroster  
Front defroster relay  
Front Fog Motor  
Front Washer Motor  
Front Wiper Motor  
Fuel lid  
Glass hatch  
Hazard flasher (For security)  
Hazard flasher (Turn left and right)  
Head light (high)  
Head light (low)  
Head light Backup  
Head light Cleaner  
Horn  
Ignition Key Light  
Interior Light  
Keyless Buzzer  
Map light Off  
Power window relay  
Rear defroster relay  
Rear Fog Light  
Rear Washer Motor  
Rear Wiper Motor  
Small Light  
Starter Switch Motor  
Trunk - Unlock  
Turn-signal

Ultrasonic check

## Occupant Position Detection

Warning-Light Activation

## Parking Sensor

Center front distance warning  
Center rear distance warning  
Front alarm  
Left front distance warning  
Left rear distance warning  
MAIN SW indicator  
Rear alarm  
Right front distance warning  
Right rear distance warning

## Power Sliding Door Left

Buzzer (Built-in)  
Closer motor  
PSD Drive Magnetic clutch  
PSD Drv Mtr (Magnetic Clutch)  
Release actuator

## Power Sliding Door Right

Buzzer (Built-in)  
Closer motor  
PSD Drive Magnetic clutch  
PSD Drv Mtr (Magnetic Clutch)  
Release actuator

## Power Tail Gate

Power Release Latch motor  
PTG Drive Motor  
PTG Magnetic Clutch

## Power Window

Driver Door Power Window  
Left-Rear Door Power Window  
Memory Seat Indicator 1  
Memory Seat Indicator 2  
Passenger Door Power Window  
Power window relay  
Resetting Power Window  
RF Keyless Entry system DIAG  
Right-Rear Door Power Window  
Security Indicator  
Sunroof

## Rear Junction Unit

Accessory

Buzzer  
Fuel lid  
Gate Light  
Left Sliding Door  
Rear Blower  
Rear defroster  
Rear Fog Lamp  
Rear Wiper Motor

## Relay

Daytime Running Light  
Front fog light  
Front washer motor  
Front wiper motor (high)  
Front wiper motor (low)  
Head light (high)  
Head light (low)  
Headlight washer motor  
Horn  
Interior small light  
Rear defroster  
Rear washer motor  
Small light

## Smart Card Key

Auto-lock cancel switch  
CS FS Antenna  
Display "CARD BATT"  
Display "Do not have key"  
Display "No CARD"  
Door Lock without answer back  
Door Unlock without answer back  
EXT F (Cabin Front) Antenna  
EXT FR AS (Passenger) Antenna  
EXT FR DR (Driver) Antenna  
EXT INTTRUNK (Trunk Room) Antenna  
EXT M (Cabin Middle) Antenna  
EXT R (Cabin Rear) Antenna  
EXT Rear Ant (Driver Side)  
EXT Rear Ant (Passenger Side)  
EXT RT (Cabin Rear Tray) Antenna  
EXT Side-Glass (Driver)  
EXT Side-Glass (Passenger)  
EXT TR (Trunk/Tail-Gate) Antenna  
Exterior Buzzer  
Exterior Buzzer output (Short time)  
IGNCONT Line  
IGNTRX Line  
IMOCNT Line  
KEY OUT

Lamps  
Meter Buzzer  
Output  
RF Keyless Entry function DIAG  
RF1 RXVCC  
RF1 TXD line  
RF1 TXVCC  
RF2 RXVCC  
RF2 TXD line  
Smart Entry system self check DIAG  
S-Net Line

## Supplemental Restraint System

Door Unlock  
Front crash detection signal output  
Occupied signal output  
Side Impact, rear-end crash Detection

## Telematics

Green LED (On roof console)  
Red LED (On roof console)

# Honda Chassis Actuators

## ABS/Stability Control

Left Front Solenoid  
Left Rear Solenoid  
Right Front Solenoid  
Right Rear Solenoid  
VSA Left Front Solenoid  
VSA Left Rear Solenoid  
VSA Right Front Solenoid  
VSA Right Rear Solenoid

RL Tire Force Transmit  
RL-W/L  
RR Tire Force Transmit  
RR-W/L  
Spare Tire Force Transmit  
Spare-Tire-W/L  
TPMS-W/L

## ABS/Stability Control (TCS/VSA)

Activate Solenoid Valves Basic  
Activate Solenoid Valves Damp  
Activate Solenoid Valves TCS  
Activate Sub Throttle Valve  
FL VSA Solenoid & RR IN Valves  
FR VSA Solenoid & RL IN Valves  
Left Front Pulser Test  
Left Front Solenoid  
Left Rear Pulser Test  
Left Rear Solenoid  
Right Front Pulser Test  
Right Front Solenoid  
Right Rear Pulser Test  
Right Rear Solenoid  
RL VSA Solenoid & FR IN Valves  
RR VSA Solenoid & FL IN Valves  
VSA CAS-Function Control

## Active Control Engine Mount

ACM2

## Hydraulic Booster

Accumulating Pressure  
Air Bleeding mode for repair  
Hydraulic Booster CAS-function  
Increasing Master Cylinder pressure  
Regenerative Brake function  
Warning Buzzer control

## Tire Pressure Monitoring

FL Tire Force Transmit  
FL-W/L  
FR Tire Force Transmit  
FR-W/L  
ISO-W/L