



# Shenzhen Xtooltech Co., Ltd

## Honda Function List V10.51

### Tips and Instructions:

The programming function only supports H6PRO, H6PRO Master Edition products.

- \* This feature is new.
- √ This feature is supported.
- This feature is not supported.
- ※ This feature is partially supported.

System Name	Read ECU Information	Read Trouble Code	Clear Trouble Code	Live Data	Read Freeze Frame	Actuation Test	Special Functions
ENG	√	√	√	√	√	1-38	11-20, 25-30
AT	√	√	√	√	√	39-61	
ABS	√	√	√	√	√	62-69	1-4, 22-23
SRS	√	√	√	√		91	5-8
BODY ELECTRICAL (BCM)	√	√	√	√		109-120、 204-301	43-49
Adaptive Cruise Control (ACC)	√	√	√	√	√	70-82	24
ACM	√	√	√	√	√	83-85	
Electric Power Steering (EPS)	√	√	√	√	√	86-90	21, 36-38
E-Pretensioner (EPT)							39
EVPS	√	√	√	√	√		
IMA	√	√	√	√	√	92-95	9
Occupant Position Detection System							5
SH-AWD	√	√	√	√	√	96, 198-203	
IMMOBI							31-35
Seat Weight Sensor (SWS)		√	√			97, 98	6
Tire Pressure Monitoring System	√	√	√	√	√	99-105	10
VTM-4	√	√	√	√	√	106-108	
Active Damper System (ADS)	√	√	√	√	√	125	42
Active Torque Transfer System	√	√	√	√	√	121-124	

DBW	✓	✓	✓	✓	✓		
4 Wheel Steering(4WS)	✓	✓	✓	✓	✓	126-129	50-51
i-SHIFT	✓	✓	✓	✓		130-132	54-56
Electric Parking Brake (EPB)	✓	✓	✓	✓			40-41
CMBS	✓	✓	✓	✓	✓	133-134	
Hydraulic Booster (HYDRBST)	✓	✓	✓	✓		135-139	52
LKAS CAMERA	✓	✓	✓	✓	✓	140-141	
LKAS CONTROL	✓	✓	✓	✓	✓		53
PCU	✓	✓	✓	✓			
PUH	✓	✓	✓	✓		142-143	
SLOT ECU	✓	✓	✓	✓			
SMART H	✓	✓	✓	✓		144-193	
SMART PARKING	✓	✓	✓	✓	✓	194	
iNVS	✓	✓	✓	✓	✓	195-197	57-58
Real Time AWD/AWD with Intelligent Control		✓	✓	✓	✓		59-60

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# Actuation Functions List

No.	Functions Name	System Name
1	Injector Test	ENG
2	All Injectors Off	ENG
3	EGR Test	ENG
4	IMRC Test	ENG
5	Glow On/Off	ENG
6	ACG On/Off	ENG
7	A/C Clutch On/Off	ENG
8	Fuel Heater On/ Off	ENG
9	Radiator Fan Relay Test	ENG
10	EGR Cooler Bypass Valve Test	ENG
11	Intake Shutter Valve (ISV) Test	ENG
12	EVAP TEST	ENG
13	IMT (IMRC) TEST	ENG
14	IACV TEST	ENG
15	VTEC TEST	ENG
16	ETCS (TAC) TEST	ENG
17	RADIATOR FAN	ENG
18	A/C CLUTCH	ENG
19	FUEL PUMP ON	ENG
20	FUEL PUMP OFF	ENG
21	ALL INJECTORS STOP	ENG
22	ONE INJECTOR STOP	ENG
23	CRUISE CONTROL CANCEL HISTORY	ENG
24	VTC TEST	ENG
25	TC WASTEGATE CONTROL SOLENOID VALVE TEST	ENG
26	TC BYPASS CONTROL SOLENOID VALVE TEST	ENG
27	TC BOOST CONTROL SOLENOID VALVE TEST	ENG
28	ACM	ENG
29	SUBFUEL SOLENOID VALVE TEST	ENG
30	STARTER TEST	ENG
31	WGS TEST	ENG

32	Compression Test	ENG
33	Idle Speed Adjust	ENG
34	VTEC LOW V/T CHECK	ENG
35	O2S TEST	ENG
36	Fuel Rail Pressure Control Valve Test	ENG
37	ABV TEST	ENG
38	FUEL PRESSURE TEST	ENG
39	Shift Lock Solenoid Test	AT
40	Shift Solenoid Test	AT
41	Inhibitor Solenoid Test	AT
42	Start Clutch Feedback Learn	AT
43	Start Clutch Status Data Clear	AT
44	Electrical Oil Pump Activation	AT
45	Line Pressure Solenoid Test	AT
46	Clutch Pressure Control (Linear) Solenoid Valve A	AT
47	Clutch Pressure Control (Linear) Solenoid Valve B	AT
48	Clutch Pressure Control (Linear) Solenoid Valve C	AT
49	Clutch Pressure Control (Linear) Solenoid Valve D	AT
50	Clutch Pressure Control Solenoid Valve Control	AT
51	Pressure Test Assistance Mode	AT
52	Inhibitor Solenoid	AT
53	CAS Solenoid A (LF)	AT
54	CAS Solenoid B (RF)	AT
55	Lockup Solenoid Test	AT
56	Shift Solenoid A	AT
57	Shift Solenoid D	AT
58	Shift Solenoid E	AT
59	Indicator Test	AT
60	ATFP Motor Test	AT
61	Shift solenoid Valve O/P	AT
62	Left Front Solenoid	ABS
63	Right Front Solenoid	ABS
64	Left Rear Solenoid	ABS
65	Right Rear Solenoid	ABS
66	Left Front VSA	ABS

67	Right Front VSA	ABS
68	Left Rear VSA	ABS
69	Right Rear VSA	ABS
70	THROTTLE OPENING ANGLE	ACC
71	BRAKE BOOSTER 1	ACC
72	BRAKE BOOSTER 2	ACC
73	LIGHT CHECK	ACC
74	BUZZER CHECK	ACC
75	BRAKE ACTUATOR 1	ACC
76	BRAKE ACTUATOR 2	ACC
77	BRAKE ACTUATOR 3	ACC
78	CMBS BRAKE	ACC
79	ACC RELAY	ACC
80	INDICATOR LIGHT	ACC
81	INFORMATION DISPLAY	ACC
82	ALARM BUZZER	ACC
83	FRONT ACM SOLENOID	ACM
84	REAR ACM SOLENOID	ACM
85	FRONT AND REAR ACM SOLENOIDS	ACM
86	Torque Sensor Learn	EPS
87	Frequency Change	EPS
88	Steering Angle Sensor	EPS
89	Gear Ratio Sensor	EPS
90	A/C Fan Minimum	EPS
91	Blinking Side Airbag Indicator Test	SRS
92	BM FAN DRIVE	IMA
93	MPIM FAN DRIVE	IMA
94	IPU FAN DRIVE	IMA
95	IPU MODULE FAN DRIVE TEST	IMA
96	CLUTCH COIL TEST	SH-AWD
97	SEAT OUTPUT CHECK	SWS
98	AFTER A VEHICLE COLLISION	SWS
99	INITIATOR OPERATION CHECK	TPMS
100	TPMS WARNING LIGHT	TPMS
101	TIRE AIR LOW INDICATOR	TPMS

102	LR TIRE AIR LOW INDICATOR	TPMS
103	RR TIRE AIR LOW INDICATOR	TPMS
104	LF TIRE AIR LOW INDICATOR	TPMS
105	RF TIRE AIR LOW INDICATOR	TPMS
106	INITIALIZATION	VTM-4
107	LEFT CLUTCH ELECTROMAGNETIC COIL TEST	VTM-4
108	RIGHT CLUTCH ELECTROMAGNETIC COIL TEST	VTM-4
109	Self-diagnostic function	BCM
110	Speedometer	BCM
111	Tachometer	BCM
112	VSA/TCS Activation Indicator	BCM
113	VSA/TCS Indicator	BCM
114	ABS INDICATOR	BCM
115	EBD Indicator(Electronic Brake Display)	BCM
116	Cruise Activation Indicator	BCM
117	MIL Status	BCM
118	Daytime Running Lights Indicator(Canada)	BCM
119	Engine Oil Pressure Indicator	BCM
120	Charging System Indicator	BCM
121	ATTS TEST SHORT TIME MODE	ATTS
122	STEERING ANGLE	ATTS
123	LATERAL G & YAW RATE SENSORS	ATTS
124	ALL SENSORS	ATTS
125	Damper Force Operation Test	ADS
126	FRONT MAIN SENSOR NEUTRAL CHECK	4WS
127	FRONT SUB SENSOR NEUTRAL CHECK	4WS
128	REAR MAIN SENSOR NEUTRAL CHECK	4WS
129	REAR SUB SENSOR NEUTRAL CHECK	4WS
130	Engage Gear	i-SHIFT
131	Clutch Actuator Full Stroke Operation Test	i-SHIFT
132	Gear Box Self Test	i-SHIFT
133	RADAR AIMING	CMBS
134	CMBS (CMS) BRAKE	CMBS
135	Accumulating Pressure Test	HYDRBST
136	Increasing Master Cylinder pressure Test	HYDRBST

137	Regenerative Brake Test	HYDRBST
138	Hydraulic Booster CAS Test	HYDRBST
139	Buzzer Test	HYDRBST
140	VIDEO OUTPUT	LKAS_CAMERA
141	STATIC CAMERA AIMING	LKAS_CAMERA
142	VEHICLE LEVEL POSITION CALIBRATION	PUH
143	WARNING DISPLAY FORCE ACTIVATION	PUH
144	Immobilizer Indicator Driving	SMART_H
145	Keyless Access Indicator Driving	SMART_H
146	[NO KEYLESS ACCESS Remote] Indication	SMART_H
147	[KEYLESS ACCESS Remote BATT] Indication	SMART_H
148	Interior Buzzer Driving	SMART_H
149	Exterior Buzzer Driving	SMART_H
150	(IGNITION) Key Switch Driving	SMART_H
151	IMOCONT Driving	SMART_H
152	IGNCONT Driving	SMART_H
153	S-net line (IM OCD Terminal) Driving	SMART_H
154	IGNTRX Line Driving	SMART_H
155	RF1 RXVCC Driving	SMART_H
156	RF2 RXVCC Driving	SMART_H
157	RF1 TXVCC Driving	SMART_H
158	RF2 TXVCC Driving	SMART_H
159	Driver (Door) Antenna Driving	SMART_H
160	Front Passenger (Door) Antenna Driving	SMART_H
161	Driver Side Rear (Door) Antenna Driving	SMART_H
162	Passenger Side Rear (Door) Antenna Driving	SMART_H
163	Driver Side-Glass Antenna Driving	SMART_H
164	Passenger Side-Glass Antenna Driving	SMART_H
165	Trunk/Tailgate/Rear Bumper Antenna Driving	SMART_H
166	Front Interior Antenna Driving	SMART_H
167	Middle Interior Antenna Driving	SMART_H
168	Rear Interior Antenna Driving	SMART_H
169	Rear Interior Tray Antenna Driving	SMART_H
170	Trunk/Rear Shelf Antenna Driving	SMART_H
171	Driver (Door) Antenna L DC Output	SMART_H

172	Front Passenger (Door) Antenna L DC Output	SMART_H
173	Driver Side Rear (Door) Antenna L DC Output	SMART_H
174	Passenger Side Rear (Door) Antenna L DC Output	SMART_H
175	Driver Side-Glass Antenna L DC Output	SMART_H
176	Passenger Side-Glass Antenna L DC Output	SMART_H
177	Trunk/Tailgate/Rear Bumper Antenna L DC Output	SMART_H
178	Front Interior Antenna L DC Output	SMART_H
179	Middle Interior Antenna L DC Output	SMART_H
180	Rear Interior Antenna L DC Output	SMART_H
181	Rear Interior Tray Antenna L DC Output	SMART_H
182	Trunk/Rear Shelf Antenna L DC Output	SMART_H
183	RF1 TXD DC Output	SMART_H
184	RF2 TXD DC Output	SMART_H
185	[DO NOT HAVE KEYLESS ACCESS Remote] Indication	SMART_H
186	Exterior Buzzer Driving (Short Time)	SMART_H
187	Door Lock Driving	SMART_H
188	Door Unlock Driving	SMART_H
189	Auto Lock Cancel Switch Indicator Driving	SMART_H
190	KEYLESS ACCESS Remote - Customize Link To Driver 1 Driving	SMART_H
191	KEYLESS ACCESS Remote - Customize Link To Driver 2 Driving	SMART_H
192	KEYLESS ACCESS Remote Slot Antenna Driving	SMART_H
193	KEYLESS ACCESS Remote Slot Antenna DC Output	SMART_H
194	Voice Guide Output Test	SMART_PARKING
195	Head Up Display Test	iNVS
196	Camera Test	iNVS
197	Heater Test	iNVS
198	Initialization	SH-AWD
199	Shift Solenoid Test	SH-AWD
200	Differential Torque	SH-AWD
201	YAW Rate/Lateral Acceleration Sensor	SH-AWD
202	Steering Angle Sensor	SH-AWD
203	ALL Sensor	SH-AWD
204	Cruise Control Main Switch Indicator	BCM
205	Maintenance Required Indicator	BCM
206	High Beam Indicator	BCM



207	Light On Indicator	BCM
208	Low fuel level indicator	BCM
209	Security Indicator	BCM
210	Trip Meter	BCM
211	A/T Gear Position Indicator (P)	BCM
212	A/T Gear Position Indicator (R)	BCM
213	A/T Gear Position Indicator (N)	BCM
214	A/T Gear Position Indicator (D)	BCM
215	A/T Gear Position Indicator (D3)	BCM
216	A/T Gear Position Indicator (2)	BCM
217	A/T Gear Position Indicator (1)	BCM
218	A/T Gear Position Indicator (M)	BCM
219	Sequential Sport Shift Mode Indicator	BCM
220	Illumination Brightness Control	BCM
221	Key Alarm Chime	BCM
222	Headlight Alarm Chime	BCM
223	Seatbelt Reminder Chime	BCM
224	Ignition Key Cylinder Light Command	BCM
225	Interior Light Command	BCM
226	Foot Light Command	BCM
227	Left Turn Signal Command	BCM
228	Right Turn Signal Command	BCM
229	Hazard Flasher	BCM
230	REAR FOG LIGHT	BCM
231	Headlight Command	BCM
232	Headlight High Beam Command	BCM
233	Parking Light Command	BCM
234	Auto Light Headlights	BCM
235	Cargo Area Light	BCM
236	Floor Light (Rear door ashtray light)	BCM
237	Head light cleaner	BCM
238	Lock All Doors	BCM
239	Unlock Driver's Side Door	BCM
240	Unlock All Doors	BCM
241	Fuel Fill Door Open	BCM

242	Left Power Sliding Door	BCM
243	Right Power Sliding Door	BCM
244	Trunk Lid Release Command	BCM
245	Keyless Buzzer	BCM
246	Keyless Check	BCM
247	Driver's Window Up	BCM
248	Driver's Window Down	BCM
249	Front Passenger's Window Up	BCM
250	Front Passenger's Window Down	BCM
251	Left Rear Window Up	BCM
252	Left Rear Window Down	BCM
253	Right Rear Window Down	BCM
254	Right Rear Window Up	BCM
255	Power Window Relay Command	BCM
256	Front Wiper - LOW	BCM
257	Front Wiper - HIGH	BCM
258	Front Wiper - INT	BCM
259	Rear Wiper	BCM
260	Windshield Wiper Motor Low Command	BCM
261	Windshield Wiper Motor High Command	BCM
262	Windshield Washer Command	BCM
263	Rear Wiper Motor	BCM
264	Rear Wiper Washer	BCM
265	Horn Command	BCM
266	Hazard Signal Command	BCM
267	Climate Control Unit Self Test	BCM
268	TFT-LCD backlight(with Navi) - Turn on for 5s	BCM
269	Segment LCD(Without Navi) - Turn on for 5s	BCM
270	Sub display segment LCD - Turn on for 5s	BCM
271	Front Panel Check	BCM
272	PTG drive motor	BCM
273	PTG clutch	BCM
274	PTG release motor	BCM
275	Power Trunk Lid Magnetic Clutch	BCM
276	Power Release Latch Motor	BCM

277	Power Seat Indicator	BCM
278	Power Seat	BCM
279	Power Mirror	BCM
280	Column Motor	BCM
281	Passcode clear	BCM
282	LED Operation - Red	BCM
283	LED Operation - Green	BCM
284	Headlight Motor - Left/Right	BCM
285	Headlight Motor - Up/Down	BCM
286	Auto Leveling Adjust Motor	BCM
287	Left PSD Drive Motor - Open	BCM
288	Left PSD Drive Motor - Close	BCM
289	Left PSD Clutch Release	BCM
290	Left PSD Release Actuator	BCM
291	Left PSD Closer Motor	BCM
292	Left PSD Buzzer	BCM
293	Right PSD Drive Motor - Open	BCM
294	Right PSD Drive Motor - Close	BCM
295	Right PSD Clutch Release	BCM
296	Right PSD Release Actuator	BCM
297	Right PSD Closer Motor	BCM
298	Right PSD Buzzer	BCM
299	Left Side Cornering Light	BCM
300	Right Side Cornering Light	BCM
301	Auto Leveling Adjust Motor	BCM

## Special Functions List

No.	Functions Name	System Name
1	NEUTRAL REWRITING	ABS
2	ALL SENSOR	ABS
3	BRAKE PRESSURE SENSOR CLUSTER	ABS
4	SENSOR CLUSTER	ABS
5	OPDS Initialization	SRS
6	SWS INITIALIZATION	SRS
7	E-Tensioner For CMBS	SRS
8	Blinking Side Airbag Indicator Light	SRS
9	SOC PRESETTING	IMA
10	SENSOR ID LEARNING	Tire Pressure Monitoring System
11	Write VIN	ENG
12	REPLACE ECM/PCM	ENG
13	IQA DATA STATUS	ENG
14	IQA WRITE DATA	ENG
15	DPF REGENERATION	ENG
16	DPF DIFFERENTIAL PRESSURE SENSOR INITIAL LEARN	ENG
17	RESET CALCULATED PM VALUE	ENG
18	MAF Sensor Learning Clear	ENG
19	A/F Sensor 1 Learning Clear	ENG
20	ISV Forced Learning	ENG
21	Differential Torque	Electric Power Steering(EPS)
22	ALL SENSOR	ABS
23	INITIALIZATION	ABS
24	RADAR AIMING	Adaptive Cruise Control(ACC)
25	MOTOR ROTOR POSITION CALIBRATION(IMA)	ENG
26	READINESS CODES	ENG
27	CRANK (CKP) PATTERN CLEAR	ENG
28	CRANK (CKP) PATTERN LEARNING	ENG
29	Main Fuel Tank Alcohol Content Write Data	ENG
30	Throttle Position Learn	ENG
31	IMMOBILIZER UNIT & ECM/PCM	IMMOBI

32	ECM	IMMOBI
33	IMMOBILIZER INFO	IMMOBI
34	KEYS	IMMOBI
35	REPLACE ECM/PCM	IMMOBI
36	STEERING END POSITION LEARNING	Electric Power Steering(EPS)
37	EPS Steering Angle Sensor Value Clear	Electric Power Steering(EPS)
38	MA-EPS Control ON/OFF	Electric Power Steering(EPS)
39	E-Tensioner For CMBS	E-Pretensioner
40	Sensor Calibration	Electric Parking Brake
41	Brake Pad Maintenance Mode	Electric Parking Brake
42	Damper Stroke Calibration	Active Damper System
43	Gauge Control Module Replacement	BODY ELECTRICAL (BCM)
44	Maintenance Minder	BODY ELECTRICAL (BCM)
45	PAX Warning Reset	BODY ELECTRICAL (BCM)
46	Power Window Reset for Driver side	BODY ELECTRICAL (BCM)
47	Power Window Reset for Passenger side	BODY ELECTRICAL (BCM)
48	Power Window Reset for Left Rear	BODY ELECTRICAL (BCM)
49	Power Window Reset for Right Rear	BODY ELECTRICAL (BCM)
50	NEUTRAL REWRITING	4 Wheel Steering(4WS)
51	NEUTRAL ADJUSTMENT	4 Wheel Steering(4WS)
52	Memorizing 0[zero] Position	Hydraulic Booster
53	STEERING REWRITE	LKAS CONTROL
54	Clutch Fluid Filling	i-SHIFT
55	Clutch Fluid Air Bleeding	i-SHIFT
56	Shift Motor Calibration	i-SHIFT
57	Camera Aiming	iNVS
58	Transfer Camera Parameter	iNVS
59	E-DPS Control Module Replacement	Real Time AWD/AWD with Intelligent Control
60	Longitudinal G Sensor Learning	Real Time AWD/AWD with Intelligent Control