

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

Service \$06 OBD Monitor ID by Model: Group 1

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Pilot	Accord L4	Accord V6	Civic (R18A1 Engine)	Civic (K20Z3 Engine)
A/F Sensor (Bank 1)	\$01	\$80	\$11	X	X	X	X	X
	\$01	\$81	\$14				X	X
	\$01	\$82	\$0B	X		X		
	\$01	\$83	\$8D	X	X	X	X	X
	\$01	\$84	\$8D	X	X	X	X	
	\$01	\$85	\$01	X	X	X	X	
	\$01	\$86	\$8D	X	X	X	X	
	\$01	\$87	\$14	X	X	X	X	X
	\$01	\$88	\$0B	X		X		
A/F Sensor (Bank 2)	\$05	\$80	\$11	X		X		
	\$05	\$81	\$14					
	\$05	\$82	\$0B	X		X		
	\$05	\$83	\$8D	X		X		
	\$05	\$84	\$8D	X		X		
	\$05	\$85	\$01	X		X		
	\$05	\$86	\$8D	X		X		
	\$05	\$87	\$14	X		X		
	\$05	\$88	\$0B	X		X		
Secondary HO2S (Bank 1)	\$02	\$98	\$0B				X	X
	\$02	\$99	\$0B				X	X
	\$02	\$9A	\$0B	X	X	X	X	X
	\$02	\$9B	\$10				X	
	\$02	\$9C	\$0B	X	X	X	X	X
	\$02	\$9D	\$0B	X	X	X		
Secondary HO2S (Bank 2)	\$06	\$98	\$0B					
	\$06	\$99	\$0B					
	\$06	\$9A	\$0B	X		X		
	\$06	\$9B	\$10					
	\$06	\$9C	\$0B	X		X		
	\$06	\$9D	\$0B	X		X		

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Service \$06 OBD Monitor ID by Model: Group 1 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Pilot	Accord L4	Accord V6	Civic (R18A1 Engine)	Civic (K20Z3 Engine)
Catalyst (Bank 1)	\$21	\$A0	\$01					
	\$21	\$A1	\$0B	X	X	X	X	X
Catalyst (Bank 2)	\$22	\$A0	\$01					
	\$22	\$A1	\$0B	X		X		
EGR System	\$31	\$D0	\$32	X		X	X	
	\$31	\$D1	\$32	X		X	X	
	\$31	\$D2	\$39	X		X	X	
	\$31	\$D3	\$01	X		X	X	
VTC (VVT) System	\$35	\$D4	\$1C		X			
	\$35	\$D5	\$1C		X			
	\$35	\$D6	\$1C					
	\$35	\$D7	\$1C					
EVAP System	\$39	\$B2	\$FD					
	\$3A	\$B3	\$FD					
	\$3A	\$BA	\$12	X	X	X	X	X
	\$3C	\$B4	\$06	X	X	X	X	X
	\$3C	\$B5	\$83	X	X	X	X	X
	\$3C	\$B6	\$12	X	X	X	X	X
	\$3C	\$B7	\$10	X	X	X	X	X
	\$3C	\$B8	\$FE	X	X	X	X	X
	\$3D	\$B0	\$FD					X
	\$3D	\$B1	\$FD					X
	\$3D	\$B9	\$30	X	X	X	X	X
	\$3D	\$BB	\$30					
\$3D	\$BC	\$10						

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Service \$06 OBD Monitor ID by Model: Group 1 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Pilot	Accord L4	Accord V6	Civic (R18A1 Engine)	Civic (K20Z3 Engine)
Fuel System (Bank 1)	\$81	\$D8	\$05				X	X
Fuel System (Bank 2)	\$82	\$D8	\$05					
Misfire	\$A2	\$0B	\$24	X	X	X	X	X
	\$A2	\$0C	\$24	X	X	X	X	X
	\$A3	\$0B	\$24	X	X	X	X	X
	\$A3	\$0C	\$24	X	X	X	X	X
	\$A4	\$0B	\$24	X	X	X	X	X
	\$A4	\$0C	\$24	X	X	X	X	X
	\$A5	\$0B	\$24	X	X	X	X	X
	\$A5	\$0C	\$24	X	X	X	X	X
	\$A6	\$0B	\$24	X		X		
	\$A6	\$0C	\$24	X		X		
	\$A7	\$0B	\$24	X		X		
	\$A7	\$0C	\$24	X		X		

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Service \$06 OBD Monitor ID by Model: Group 2

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Civic Hybrid	CR-V	Odyssey	Civic GX	S2000
A/F Sensor (Bank 1)	\$01	\$80	\$11	X	X	X	X	X
	\$01	\$81	\$14	X	X	X	X	X
	\$01	\$82	\$0B			X		
	\$01	\$83	\$8D	X	X	X	X	X
	\$01	\$84	\$8D	X	X	X	X	X
	\$01	\$85	\$01	X	X	X	X	X
	\$01	\$86	\$8D	X	X	X	X	X
	\$01	\$87	\$14	X	X	X	X	X
	\$01	\$88	\$0B			X		
A/F Sensor (Bank 2)	\$05	\$80	\$11			X		
	\$05	\$81	\$14			X		
	\$05	\$82	\$0B			X		
	\$05	\$83	\$8D			X		
	\$05	\$84	\$8D			X		
	\$05	\$85	\$01			X		
	\$05	\$86	\$8D			X		
	\$05	\$87	\$14			X		
	\$05	\$88	\$0B			X		
Secondary HO2S (Bank 1)	\$02	\$98	\$0B	X	X		X	X
	\$02	\$99	\$0B	X	X		X	X
	\$02	\$9A	\$0B	X	X	X	X	X
	\$02	\$9B	\$10	X	X		X	X
	\$02	\$9C	\$0B	X	X	X	X	X
	\$02	\$9D	\$0B			X		
Secondary HO2S (Bank 2)	\$06	\$98	\$0B					
	\$06	\$99	\$0B					
	\$06	\$9A	\$0B			X		
	\$06	\$9B	\$10					
	\$06	\$9C	\$0B			X		
	\$06	\$9D	\$0B			X		

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Service \$06 OBD Monitor ID by Model: Group 2 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Civic Hybrid	CR-V	Odyssey	Civic GX	S2000
Catalyst (Bank 1)	\$21	\$A0	\$01	X	X		X	X
	\$21	\$A1	\$0B			X		
Catalyst (Bank 2)	\$22	\$A0	\$01					
	\$22	\$A1	\$0B			X		
EGR System	\$31	\$D0	\$32	X	X	X		
	\$31	\$D1	\$32	X	X	X		
	\$31	\$D2	\$39	X	X	X		
	\$31	\$D3	\$01			X		
VTC (VVT) System	\$35	\$D4	\$1C					
	\$35	\$D5	\$1C					
	\$35	\$D6	\$1C					
	\$35	\$D7	\$1C					
EVAP System	\$39	\$B2	\$FD	X				X
	\$3A	\$B3	\$FD	X				X
	\$3A	\$BA	\$12		X	X		
	\$3C	\$B4	\$06	X	X	X		X
	\$3C	\$B5	\$83	X	X	X		X
	\$3C	\$B6	\$12	X	X	X		X
	\$3C	\$B7	\$10	X	X	X		X
	\$3C	\$B8	\$FE	X	X	X		X
	\$3D	\$B0	\$FD	X				X
	\$3D	\$B1	\$FD	X				X
	\$3D	\$B9	\$30		X	X		
	\$3D	\$BB	\$30					
\$3D	\$BC	\$10						

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Service \$06 OBD Monitor ID by Model: Group 2 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Civic Hybrid	CR-V	Odyssey	Civic GX	S2000
Fuel System (Bank 1)	\$81	\$D8	\$05	X	X		X	X
Fuel System (Bank 2)	\$82	\$D8	\$05					
Misfire	\$A2	\$0B	\$24	X		X	X	
	\$A2	\$0C	\$24	X	X	X	X	X
	\$A3	\$0B	\$24	X		X	X	
	\$A3	\$0C	\$24	X	X	X	X	X
	\$A4	\$0B	\$24	X		X	X	
	\$A4	\$0C	\$24	X	X	X	X	X
	\$A5	\$0B	\$24	X		X	X	
	\$A5	\$0C	\$24	X	X	X	X	X
	\$A6	\$0B	\$24			X		
	\$A6	\$0C	\$24			X		
	\$A7	\$0B	\$24			X		
	\$A7	\$0C	\$24			X		

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Service \$06 OBD Monitor ID by Model: Group 3

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Fit	Ridgeline	Element
A/F Sensor (Bank 1)	\$01	\$80	\$11	X	X	X
	\$01	\$81	\$14			X
	\$01	\$82	\$0B		X	
	\$01	\$83	\$8D	X	X	X
	\$01	\$84	\$8D	X	X	X
	\$01	\$85	\$01	X	X	X
	\$01	\$86	\$8D	X	X	X
	\$01	\$87	\$14	X	X	X
	\$01	\$88	\$0B		X	
A/F Sensor (Bank 2)	\$05	\$80	\$11		X	
	\$05	\$81	\$14			
	\$05	\$82	\$0B		X	
	\$05	\$83	\$8D		X	
	\$05	\$84	\$8D		X	
	\$05	\$85	\$01		X	
	\$05	\$86	\$8D		X	
	\$05	\$87	\$14		X	
	\$05	\$88	\$0B		X	
Secondary HO2S (Bank 1)	\$02	\$98	\$0B			X
	\$02	\$99	\$0B			X
	\$02	\$9A	\$0B	X	X	X
	\$02	\$9B	\$10			X
	\$02	\$9C	\$0B	X	X	X
	\$02	\$9D	\$0B	X	X	
Secondary HO2S (Bank 2)	\$06	\$98	\$0B			
	\$06	\$99	\$0B			
	\$06	\$9A	\$0B		X	
	\$06	\$9B	\$10			
	\$06	\$9C	\$0B		X	
	\$06	\$9D	\$0B		X	

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Service \$06 OBD Monitor ID by Model: Group 3 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Fit	Ridgeline	Element
Catalyst (Bank 1)	\$21	\$A0	\$01			X
	\$21	\$A1	\$0B	X	X	
Catalyst (Bank 2)	\$22	\$A0	\$01			
	\$22	\$A1	\$0B		X	
EGR System	\$31	\$D0	\$32	X	X	
	\$31	\$D1	\$32	X	X	
	\$31	\$D2	\$39	X	X	
	\$31	\$D3	\$01	X	X	
VTC (VVT) System	\$35	\$D4	\$1C			
	\$35	\$D5	\$1C			
	\$35	\$D6	\$1C			
	\$35	\$D7	\$1C			
EVAP System	\$39	\$B2	\$FD			
	\$3A	\$B3	\$FD			
	\$3A	\$BA	\$12	X	X	X
	\$3C	\$B4	\$06	X	X	X
	\$3C	\$B5	\$83	X	X	X
	\$3C	\$B6	\$12	X	X	X
	\$3C	\$B7	\$10	X	X	X
	\$3C	\$B8	\$FE	X	X	X
	\$3D	\$B0	\$FD			
	\$3D	\$B1	\$FD			
	\$3D	\$B9	\$30	X	X	X
	\$3D	\$BB	\$30			
\$3D	\$BC	\$10				

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Service \$06 OBD Monitor ID by Model: Group 3 (cont'd)

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	Fit	Ridgeline	Element
Fuel System (Bank 1)	\$81	\$D8	\$05			X
Fuel System (Bank 2)	\$82	\$D8	\$05			
Misfire	\$A2	\$0B	\$24	X	X	X
	\$A2	\$0C	\$24	X	X	X
	\$A3	\$0B	\$24	X	X	X
	\$A3	\$0C	\$24	X	X	X
	\$A4	\$0B	\$24	X	X	X
	\$A4	\$0C	\$24	X	X	X
	\$A5	\$0B	\$24	X	X	X
	\$A5	\$0C	\$24	X	X	X
	\$A6	\$0B	\$24		X	
	\$A6	\$0C	\$24		X	
	\$A7	\$0B	\$24		X	
	\$A7	\$0C	\$24		X	

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A/F Sensor (Bank 1)

OBD Monitor ID	\$01	Test ID	\$80	Unit and Scaling ID	\$11
DTC	P0134				
Test Description	Check of A/F sensor "non-activation" time. See Test ID \$81 and \$82 for "non-activation" criteria.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.1 (sec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.1 (sec.)				

OBD Monitor ID	\$01	Test ID	\$81	Unit and Scaling ID	\$14
DTC	P0134				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor element resistance.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1 (Ω) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1 (Ω)				

OBD Monitor ID	\$01	Test ID	\$82	Unit and Scaling ID	\$0B
DTC	P0134				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor cell voltage.				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.01 (V) The lowest limit value: Output value (Decimal) x 0.01 (V) The highest limit value: Output value (Decimal) x 0.01 (V)				

OBD Monitor ID	\$01	Test ID	\$83	Unit and Scaling ID	\$8D
DTC	P2195				
Test Description	Check of the A/F sensor "too lean" by monitoring the A/F sensor signal.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Not applicable				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$01	Test ID	\$84	Unit and Scaling ID	\$8D
DTC		P2A00			
Test Description		Check of A/F sensor rationality by monitoring the sensor signal during fuel cut condition.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Output value (Decimal) x 0.003906 (mA)			

OBD Monitor ID	\$01	Test ID	\$85	Unit and Scaling ID	\$01
DTC		P0133			
Test Description		Response check of A/F sensor by monitoring the amplitude of filtered sensor signal during stable driving condition.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: No unit The highest limit value: Not applicable			

OBD Monitor ID	\$01	Test ID	\$86	Unit and Scaling ID	\$8D
DTC		P1172			
Test Description		Check of A/F sensor "out of range" by monitoring the sensor signal.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Not applicable			

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$01	Test ID	\$87	Unit and Scaling ID	\$14
DTC	P0134				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor element resistance during A/F feedback control.				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1 (Ω) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1 (Ω)				

OBD Monitor ID	\$01	Test ID	\$88	Unit and Scaling ID	\$0B
DTC	P0134				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor cell voltage during A/F feedback control.				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.01 (V) The lowest limit value: Output value (Decimal) x 0.01 (V) The highest limit value: Output value (Decimal) x 0.01 (V)				

A/F Sensor (Bank 2)

OBD Monitor ID	\$05	Test ID	\$80	Unit and Scaling ID	\$11
DTC	P0154				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor non-activation time.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.1 (sec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.1 (sec.)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$05	Test ID	\$81	Unit and Scaling ID	\$14
DTC		P0154			
Test Description		Check of A/F sensor "non-activation" by monitoring the sensor element resistance.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (Ω) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1 (Ω)			

OBD Monitor ID	\$05	Test ID	\$82	Unit and Scaling ID	\$0B
DTC		P0154			
Test Description		Check of A/F sensor "non-activation" by monitoring the sensor cell voltage.			
Store Timing		Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (V) The lowest limit value: Output value (Decimal) x 0.01 (V) The highest limit value: Output value (Decimal) x 0.01 (V)			

OBD Monitor ID	\$05	Test ID	\$83	Unit and Scaling ID	\$8D
DTC		P2197			
Test Description		Check of the A/F sensor "too lean" by monitoring the A/F sensor signal.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Not applicable			

OBD Monitor ID	\$05	Test ID	\$84	Unit and Scaling ID	\$8D
DTC		P2A03			
Test Description		Check of A/F sensor rationality by monitoring the sensor signal during fuel cut condition.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Output value (Decimal) x 0.003906 (mA)			

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$05	Test ID	\$85	Unit and Scaling ID	\$01
DTC	P0153				
Test Description	Response check of A/F sensor by monitoring the amplitude of filtered sensor signal during stable driving condition.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: No unit The lowest limit value: No unit The highest limit value: Not applicable				

OBD Monitor ID	\$05	Test ID	\$86	Unit and Scaling ID	\$8D
DTC	P1174				
Test Description	Check of A/F sensor "out of range" by monitoring the sensor signal.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.003906 (mA) The lowest limit value: Output value (Decimal) x 0.003906 (mA) The highest limit value: Not applicable				

OBD Monitor ID	\$05	Test ID	\$87	Unit and Scaling ID	\$14
DTC	P0154				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor element resistance during A/F feedback control.				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1 (Ω) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1 (Ω)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$05	Test ID	\$88	Unit and Scaling ID	\$0B
DTC	P0154				
Test Description	Check of A/F sensor "non-activation" by monitoring the sensor cell voltage during A/F feedback control.				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.01 (V) The lowest limit value: Output value (Decimal) x 0.01 (V) The highest limit value: Output value (Decimal) x 0.01 (V)				

Secondary HO2S (Bank 1)

OBD Monitor ID	\$02	Test ID	\$98	Unit and Scaling ID	\$0B
DTC	P2270				
Test Description	Check of secondary heated oxygen sensor signal "lean" stuck by monitoring the sensor output voltage after fuel cut condition.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Output value (Decimal) x 0.001 (V) The highest limit value: Not applicable				

OBD Monitor ID	\$02	Test ID	\$99	Unit and Scaling ID	\$0B
DTC	P2271				
Test Description	Check of secondary heated oxygen sensor signal "rich" stuck by monitoring the sensor output voltage after fuel cut condition.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$02	Test ID	\$9A	Unit and Scaling ID	\$0B
DTC		P0137			
Test Description		Circuit check of secondary heated oxygen sensor by monitoring the sensor output voltage.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)			

OBD Monitor ID	\$02	Test ID	\$9B	Unit and Scaling ID	\$10
DTC		P0139			
Test Description		Response check of secondary heated oxygen sensor by monitoring the sensor output voltage after fuel cut condition.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (sec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1 (sec.)			

OBD Monitor ID	\$02	Test ID	\$9C	Unit and Scaling ID	\$0B
DTC		P0138			
Test Description		Circuit check of secondary heated oxygen sensor by monitoring the sensor output voltage.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Output value (Decimal) x 0.001 (V) The highest limit value: Not applicable			

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$02	Test ID	\$9D	Unit and Scaling ID	\$0B
DTC	P0139				
Test Description	Response check of secondary heated oxygen sensor by monitoring the sensor output voltage during fuel cut condition.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)				

Secondary HO2S (Bank 2)

OBD Monitor ID	\$06	Test ID	\$9A	Unit and Scaling ID	\$0B
DTC	P0157				
Test Description	Circuit check of secondary heated oxygen sensor by monitoring the sensor output voltage.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)				

OBD Monitor ID	\$06	Test ID	\$9C	Unit and Scaling ID	\$0B
DTC	P0158				
Test Description	Circuit check of secondary heated oxygen sensor by monitoring the sensor output voltage.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Output value (Decimal) x 0.001 (V) The highest limit value: Not applicable				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$06	Test ID	\$9D	Unit and Scaling ID	\$0B
DTC		P0159			
Test Description		Response check of secondary heated oxygen sensor by monitoring the sensor output voltage during fuel cut condition.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)			

Catalyst (Bank 1)

OBD Monitor ID	\$21	Test ID	\$A0	Unit and Scaling ID	\$01
DTC		P0420			
Test Description		Catalyst capability, monitored by measuring the fluctuation of the secondary heated oxygen sensor output value.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Not applicable The highest limit value: No unit			

OBD Monitor ID	\$21	Test ID	\$A1	Unit and Scaling ID	\$0B
DTC		P0420			
Test Description		Catalyst capability, monitored by measuring the stability of the secondary heated oxygen sensor output value.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)			

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

Catalyst (Bank 2)

OBD Monitor ID	\$22	Test ID	\$A1	Unit and Scaling ID	\$0B
DTC	P0430				
Test Description	Check of catalyst capability by monitoring the stability of the secondary heated oxygen sensor output value.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (V) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (V)				

EGR System

OBD Monitor ID	\$31	Test ID	\$D0	Unit and Scaling ID	\$32
DTC	P0404				
Test Description	Check of EGR valve by comparing the actual valve lift value to the PCM commanded valve lift value.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.0000305 (inch) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.0000305 (inch)				

OBD Monitor ID	\$31	Test ID	\$D1	Unit and Scaling ID	\$32
DTC	P2413				
Test Description	Check of EGR valve by comparing the actual valve lift value to the PCM commanded valve lift value.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value lift: Output value (Decimal) x 0.0000305 (inch) The lowest limit value lift: Output value (Decimal) x 0.0000305 (inch) The highest limit value lift: Not applicable				

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$31	Test ID	\$D2	Unit and Scaling ID	\$39
DTC		P0401			
Test Description		Check EGR flow by monitoring the change in intake manifold pressure between EGR valve open and closed during fuel cut.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (%) The lowest limit value: Output value (Decimal) x 0.01 (%) The highest limit value: Not applicable			

OBD Monitor ID	\$31	Test ID	\$D3	Unit and Scaling ID	\$01
DTC		P0400			
Test Description		Check for a broken EGR pipe by monitoring the A/F sensor output.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Not applicable The highest limit value: No unit			

VTC (VVT) System

OBD Monitor ID	\$35	Test ID	\$D4	Unit and Scaling ID	\$1C
DTC		P0011			
Test Description		Response check of VTC (VVT) system by monitoring divergence of actual camshaft angle from target angle.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (deg.) The lowest limit value: Output value (Decimal) x 0.01 (deg.) The highest limit value: Output value (Decimal) x 0.01 (deg.)			

OBD Monitor ID	\$35	Test ID	\$D5	Unit and Scaling ID	\$1C
DTC		P1009			
Test Description		Check of VTC (VVT) system by comparing the actual camshaft angle to the target camshaft angle.			
Store Timing		Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (deg.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.01 (deg.)			

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

EVAP System

OBD Monitor ID	\$39	Test ID	\$B2	Unit and Scaling ID	\$FD
DTC	P0457				
Test Description	Loose fuel cap check or large (gross) leak check of EVAP system by monitoring the fuel tank pressure sensor signal while EVAP system is decompressing.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (kPa) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (kPa)				

OBD Monitor ID	\$3A	Test ID	\$B3	Unit and Scaling ID	\$FD
DTC	P0455				
Test Description	Large (gross) leak check of EVAP system by monitoring the fuel tank pressure sensor signal while EVAP system is decompressing.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (kPa) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (kPa)				

OBD Monitor ID	\$3A	Test ID	\$BA	Unit and Scaling ID	\$12
DTC	P0455				
Test Description	Large (gross) leak check of EVAP system by monitoring time of the fuel tank pressure sensor value which is equal atmosphere after the engine off. (EONV)				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1.0 (sec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1.0 (sec.)				

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$3C	Test ID	\$B4	Unit and Scaling ID	\$06
DTC		P0456			
Test Description		Leak check of EVAP system by monitoring the fuel tank pressure sensor value after the engine off. (EONV)			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.000305 The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.000305			

OBD Monitor ID	\$3C	Test ID	\$B5	Unit and Scaling ID	\$83
DTC		P0456			
Test Description		Leak check of EVAP system by monitoring the fuel tank pressure sensor value after the engine off. (EONV)			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.01			

OBD Monitor ID	\$3C	Test ID	\$B6	Unit and Scaling ID	\$12
DTC		P0456			
Test Description		Leak check of EVAP system by monitoring time of the fuel tank pressure sensor value which is equal atmosphere after the engine off. (EONV)			
Store Timing		Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1.0 (sec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1.0 (sec.)			

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$3C	Test ID	\$B7	Unit and Scaling ID	\$10
DTC	P0456				
Test Description	Check of fuel tank pressure sensor signal unstable after the engine off. (early EONV)				
Store Timing	Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1.0 (msec.) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 1.0 (msec.)				

OBD Monitor ID	\$3C	Test ID	\$B8	Unit and Scaling ID	\$FE
DTC	P0456				
Test Description	Fuel tank pressure when tank air opened after the engine stop.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.25 (Pa) The lowest limit value: Output value (Decimal) x 0.25 (Pa) The highest limit value: Output value (Decimal) x 0.25 (Pa)				
Note for CR-V and S2000: 1) Incorrect output, "The lowest limit value: Not applicable " may be indicated. 2) In spite of failure condition, some generic scan tool may be output as normal condition.					

OBD Monitor ID	\$3D	Test ID	\$B0	Unit and Scaling ID	\$FD
DTC	P0496				
Test Description	EVAP canister purge valve "stuck open" check by monitoring fuel tank pressure sensor while the engine is running.				
Store Timing	Normal judgement/Failure judgement				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.001 (kPa) The lowest limit value: Output value (Decimal) x 0.001 (kPa) The highest limit value: Not applicable				

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$3D	Test ID	\$B1	Unit and Scaling ID	\$FD
DTC		P0497			
Test Description		Purge flow check by monitoring fuel tank pressure sensor value when the EVAP canister purge valve is closed.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (kPa) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001 (kPa)			

OBD Monitor ID	\$3D	Test ID	\$B9	Unit and Scaling ID	\$30
DTC		P0457, P0496, P145C			
Test Description		Purge flow and/or EVAP canister purge valve check by monitoring fuel tank pressure sensor value while the engine is running.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001526 (%) The lowest limit value: Not applicable The highest limit value: Output value (Decimal) x 0.001526 (%)			

Fuel System (Bank 1)

OBD Monitor ID	\$81	Test ID	\$D8	Unit and Scaling ID	\$05
DTC		P0171, P0172			
Test Description		Monitoring long-term fuel trim value calculated by A/F sensor.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.0000305 The lowest limit value: Output value (Decimal) x 0.0000305 The highest limit value: Output value (Decimal) x 0.0000305			

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

Misfire

OBD Monitor ID	\$A2	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0301			
Test Description		The average number of misfires detected during the last ten driving cycles for #1 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

OBD Monitor ID	\$A2	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0301			
Test Description		Misfire counters in #1 cylinder for the last 200 revolutions.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			
<p>Note:</p> <p>1) This OBD monitor ID information is for CR-V and S2000.</p> <p>2) This is not the total number of misfire for the drive cycle.</p>					

OBD Monitor ID	\$A2	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0301			
Test Description		Total misfire counters in #1 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			
<p>Note:</p> <p>This OBD monitor ID information is for Pilot, Accord L4, Accord V6, Civic (R18A1 Engine), Civic (K20Z3 Engine), Civic Hybrid, Odyssey, Civic GX, Fit, Ridgeline, and Element.</p>					

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$A3	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0302			
Test Description		The average number of misfires detected during the last ten driving cycles for #2 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

OBD Monitor ID	\$A3	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0302			
Test Description		Misfire counters in #2 cylinder for the last 200 revolutions.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			
Note: 1) This OBD monitor ID information is for CR-V and S2000. 2) This is not the total number of misfire for the drive cycle.					

OBD Monitor ID	\$A3	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0302			
Test Description		Total misfire counters in #2 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			
Note: This OBD monitor ID information is for Pilot, Accord L4, Accord V6, Civic (R18A1 Engine), Civic (K20Z3 Engine), Civic Hybrid, Odyssey, Civic GX, Fit, Ridgeline, and Element.					

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$A4	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0303			
Test Description		The average number of misfires detected during the last ten driving cycles for #3 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

OBD Monitor ID	\$A4	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0303			
Test Description		Misfire counters in #3 cylinder for the last 200 revolutions.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			
Note: 1) This OBD monitor ID information is for CR-V and S2000. 2) This is not the total number of misfire for the drive cycle.					

OBD Monitor ID	\$A4	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0303			
Test Description		Total misfire counters in #3 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			
Note: This OBD monitor ID information is for Pilot, Accord L4, Accord V6, Civic (R18A1 Engine), Civic (K20Z3 Engine), Civic Hybrid, Odyssey, Civic GX, Fit, Ridgeline, and Element.					

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$A5	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0304			
Test Description		The average number of misfires detected during the last ten driving cycles for #4 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

OBD Monitor ID	\$A5	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0304			
Test Description		Misfire counters in #4 cylinder for the last 200 revolutions.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			
Note: 1) This OBD monitor ID information is for CR-V and S2000. 2) This is not the total number of misfire for the drive cycle.					

OBD Monitor ID	\$A5	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0304			
Test Description		Total misfire counters in #4 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			
Note: This OBD monitor ID information is for Pilot, Accord L4, Accord V6, Civic (R18A1 Engine), Civic (K20Z3 Engine), Civic Hybrid, Odyssey, Civic GX, Fit, Ridgeline, and Element.					

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$A6	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0305			
Test Description		The average number of misfires detected during the last ten driving cycles for #5 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

OBD Monitor ID	\$A6	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0305			
Test Description		Total misfire counters in #5 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			

OBD Monitor ID	\$A7	Test ID	\$0B	Unit and Scaling ID	\$24
DTC		P0306			
Test Description		The average number of misfires detected during the last ten driving cycles for #6 cylinder. (current misfire counts) x 0.1 + (previous misfire counts average) x 0.9			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

SAE J1979 Mode/Service \$06 Test Information: All 2009 Hondas

SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$A7	Test ID	\$0C	Unit and Scaling ID	\$24
DTC		P0306			
Test Description		Total misfire counters in #6 cylinder on the present drive cycle. Previous drive cycle misfire counters are indicated from ignition switch is turned to ON (II) until engine start.			
Store Timing		Normal judgement/Failure judgement			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Nothing The highest limit value: Nothing			