

SAE J1979 Mode/Service \$06 Test Information: All 2010 Acuras

Service \$06 OBD Monitor ID by Model

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

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

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	TSX L4
Catalyst (Bank 1)	\$21	\$A0	\$01	
	\$21	\$A1	\$0B	X
Catalyst (Bank 2)	\$22	\$A0	\$01	
	\$22	\$A1	\$0B	
EGR System	\$31	\$D0	\$32	
	\$31	\$D1	\$32	
	\$31	\$D2	\$39	
	\$31	\$D3	\$01	
VTC (VVT) System	\$35	\$D4	\$1C	X
	\$35	\$D5	\$1C	X
	\$35	\$D6	\$1C	X
	\$35	\$D7	\$1C	X
EVAP System	\$39	\$B2	\$FD	
	\$3A	\$B3	\$FD	
	\$3A	\$BA	\$12	X
	\$3C	\$B4	\$06	X
	\$3C	\$B5	\$83	X
	\$3C	\$B6	\$12	X
	\$3C	\$B7	\$10	X
	\$3C	\$B8	\$FE	X
	\$3D	\$B0	\$FD	
	\$3D	\$B1	\$FD	
	\$3D	\$B9	\$30	X
	\$3D	\$BB	\$30	
\$3D	\$BC	\$10		
Fuel System (Bank 1)	\$81	\$D8	\$05	
Fuel System (Bank 2)	\$82	\$D8	\$05	

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

Monitor	OBD Monitor ID	Test ID	Unit and Scaling ID	TSX L4
Misfire	\$A2	\$0B	\$24	X
	\$A2	\$0C	\$24	X
	\$A3	\$0B	\$24	X
	\$A3	\$0C	\$24	X
	\$A4	\$0B	\$24	X
	\$A4	\$0C	\$24	X
	\$A5	\$0B	\$24	X
	\$A5	\$0C	\$24	X
	\$A6	\$0B	\$24	
	\$A6	\$0C	\$24	
	\$A7	\$0B	\$24	
	\$A7	\$0C	\$24	

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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 judgment/Failure judgment				
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 judgment/Failure judgment				
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 judgment				
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)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

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 judgment/Failure judgment			
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	\$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 judgment/Failure judgment			
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 judgment/Failure judgment			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: No unit 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	\$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 judgment/Failure judgment				
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	\$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 judgment				
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)				

Secondary HO2S (Bank 1)

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 judgment/Failure judgment				
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	\$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 judgment/Failure judgment			
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	\$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 judgment/Failure judgment			
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	\$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 judgment/Failure judgment			
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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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 judgment/Failure judgment				
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 judgment				
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.)				

OBD Monitor ID	\$35	Test ID	\$D6	Unit and Scaling ID	\$1C
DTC	P1009				
Test Description	Check of the VTC (VVT) system by comparing the actual camshaft angle to the target camshaft angle.				
Store Timing	Normal judgment/Failure judgment				
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.)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$35	Test ID	\$D7	Unit and Scaling ID	\$1C
DTC	P1009				
Test Description	Check of the VTC (VVT) system by comparing the actual camshaft angle to the target camshaft angle after an engine stall event.				
Store Timing	Failure judgment				
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.)				

EVAP System

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 judgment				
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.)				

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 judgment/Failure judgment				
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				

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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 judgment/Failure judgment				
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 judgment				
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.)				

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 judgment				
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.)				

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SAE J1979 Service \$06 Information by OBD Monitor ID

OBD Monitor ID	\$3C	Test ID	\$B8	Unit and Scaling ID	\$FE
DTC	P0456				
Test Description	Check of EVAP system by monitoring the fuel tank pressure sensor signal after the engine off. (comparison with atmosphere)				
Store Timing	Normal judgment/Failure judgment				
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)				

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 judgment/Failure judgment				
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 (%)				

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 judgment/Failure judgment				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable				

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SAE J1979 Service \$06 Information by OBD Monitor ID

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 judgment/Failure judgment			
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	\$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 judgment/Failure judgment			
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		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 judgment/Failure judgment			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

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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 judgment/Failure judgment			
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		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 judgment/Failure judgment			
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	\$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 judgment/Failure judgment			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			

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SAE J1979 Service \$06 Information by OBD Monitor ID

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 judgment/Failure judgment			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (time) The lowest limit value: Not applicable The highest limit value: Not applicable			