

# SAE J1979 Mode \$06 Test Information: All 2005 Hondas

## Mode \$06 Test ID by Model: Group 1

Monitor	Test ID	Test Limit Type and Comp. ID	Accord L4	Accord V6	Civic (D17A1 Engine)	Civic (D17A2 Engine)	Civic (D17A6 Engine)	Civic Hatch-back
EGR Flow	\$01	\$80			X	X	X	
	\$03	\$81	X	X				
	\$49	\$00	X	X				
	\$4A/\$4B	\$80/\$00	X	X				
Catalyst (Bank 1)	\$04	\$02						X
	\$05/\$06	\$81/\$81			X	X	X	
	\$62	\$04	X	X				
Catalyst (Bank 2)	\$64	\$04		X				
A/F Sensor (Bank 1)	\$76	\$80	X					
	\$78	\$80	X		X	X	X	
	\$79	\$01		X				
A/F Sensor (Bank 2)	\$77	\$80						
	\$7A	\$01		X				
A/F Sensor Heater (Bank 1)	\$70/\$71/\$72	\$80/\$00/\$00						
PHO2S Heater (Bank 1)	\$10/\$11	\$85/\$05						
	\$10/\$11	\$86/\$06						
	\$10/\$11	\$87/\$07						
	\$10/\$11	\$08						
SHO2S Heater (Bank 1)	\$18/\$19	\$85/\$05						X
	\$18/\$19	\$86/\$06			X	X		
	\$18/\$19	\$87/\$07					X	
	\$18/\$19	\$88/\$08						
	\$18/\$19	\$89/\$09						
THO2S Heater	\$14/\$15	\$87/\$07					X	
PHO2S Heater (Bank 2)	\$12/\$13	\$85/\$05						
	\$12/\$13	\$08						
SHO2S Heater (Bank 2)	\$1A/\$1B	\$86/\$06						
	\$1A/\$1B	\$89/\$09						

**Mode \$06 Test ID by Model: Group 1 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Accord L4	Accord V6	Civic (D17A1 Engine)	Civic (D17A2 Engine)	Civic (D17A6 Engine)	Civic Hatch-back
PCV	\$48	\$00			X	X	X	X
	\$48	\$01						
Thermostat	\$4D/\$4E/ \$4F/\$50	\$80/\$80/ \$80/\$00						
	\$4D/\$4E/ \$4F/\$50	\$81/\$81/ \$81/\$01	X					
	\$5C/\$5D/ \$5E/\$5F	\$00/\$00/ \$00/\$00			X	X	X	X
Secondary Air System	\$58/\$59/ \$5A	\$80/\$00/ \$80						
Lean NOx CAT	\$6A	\$01					X	
EVAP System	\$21/\$26/ \$27/\$38	\$81/\$81/ \$81/\$01						
	\$29/\$2D/ \$2E/\$2F	\$81/\$01/ \$81/\$81						
	\$21/\$26/ \$27/\$38	\$82/\$82/ \$82/\$02						
	\$29/\$2D/ \$2E/\$2F	\$82/\$02/ \$82/\$82						
	\$3E	\$82						
	\$21/\$26/ \$27/\$38	\$83/\$83/ \$83/\$03			X	X	X	X
	\$3A/\$3B/ \$3C	\$82/\$82/ \$02						
	\$3A/\$3B/ \$3C	\$83/\$83/ \$03			X	X	X	X
	\$29/\$2D/ \$2E/\$2F	\$83/\$03/ \$83/\$83			X	X	X	X
	\$3E	\$83			X	X	X	X
	\$81	\$80	X	X				
	\$82/\$8F	\$80/\$80	X	X				
	\$88	\$00						
\$8B/\$8D	\$00/\$00							

**Mode \$06 Test ID by Model: Group 1 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Accord L4	Accord V6	Civic (D17A1 Engine)	Civic (D17A2 Engine)	Civic (D17A6 Engine)	Civic Hatch-back
EVAP System	\$90/\$91/ \$92/\$93	\$00/\$80/ \$80/\$00						
	\$94/\$95/ \$96/\$97	\$00/\$80/ \$00/\$00						
	\$9A/\$9B/ \$9C/\$9D/ \$9E	\$00/\$00/ \$00/\$00/ \$00	X	X				
	\$B0	\$00		X				
	\$B2	\$00		X				
	\$B5	\$00		X				
	\$B1	\$00	X					
	\$B3	\$00	X					
	\$B6	\$00	X					
	\$B4	\$00	X					
	\$B7	\$00	X					

## Mode \$06 Test ID by Model: Group 2

Monitor	Test ID	Test Limit Type and Comp. ID	Civic Hybrid (Except PZEV)	Civic Hybrid (PZEV)	S2000	Pilot	CR-V	Odyssey
EGR Flow	\$01	\$80	X	X				
	\$03	\$81				X		X
	\$49	\$00				X		X
	\$4A/\$4B	\$80/\$00				X		X
Catalyst (Bank 1)	\$04	\$02						
	\$05/\$06	\$81/\$81	X	X	X			
	\$62	\$04				X	X	X
Catalyst (Bank 2)	\$64	\$04				X	X	
A/F Sensor (Bank 1)	\$76	\$80				X	X	X
	\$78	\$80					X	
	\$79	\$01				X		X
A/F Sensor (Bank 2)	\$77	\$80				X		X
	\$7A	\$01				X		X
A/F Sensor Heater (Bank 1)	\$70/\$71/ \$72	\$80/\$00/ \$00					X	
PHO2S Heater (Bank 1)	\$10/\$11	\$85/\$05						
	\$10/\$11	\$86/\$06						
	\$10/\$11	\$87/\$07			X			
	\$10/\$11	\$08						
SHO2S Heater (Bank 1)	\$18/\$19	\$85/\$05						
	\$18/\$19	\$86/\$06						
	\$18/\$19	\$87/\$07	X					
	\$18/\$19	\$88/\$08			X			
	\$18/\$19	\$89/\$09		X			X	
THO2S Heater	\$14/\$15	\$87/\$07	X					
PHO2S Heater (Bank 2)	\$12/\$13	\$85/\$05						
	\$12/\$13	\$08						
SHO2S Heater (Bank 2)	\$1A/\$1B	\$86/\$06						
	\$1A/\$1B	\$89/\$09						

**Mode \$06 Test ID by Model: Group 2 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Civic Hybrid (Except PZEV)	Civic Hybrid (PZEV)	S2000	Pilot	CR-V	Odyssey
PCV	\$48	\$00	X	X	X			
	\$48	\$01					X	
Thermostat	\$4D/\$4E/ \$4F/\$50	\$80/\$80/ \$80/\$00						
	\$4D/\$4E/ \$4F/\$50	\$81/\$81/ \$81/\$01					X	
	\$5C/\$5D/ \$5E/\$5F	\$00/\$00/ \$00/\$00	X	X	X			
Secondary Air System	\$58/\$59/ \$5A	\$80/\$00/ \$80			X			
Lean NOx CAT	\$6A	\$01	X					
EVAP System	\$21/\$26/ \$27/\$38	\$81/\$81/ \$81/\$01						
	\$29/\$2D/ \$2E/\$2F	\$81/\$01/ \$81/\$81						
	\$21/\$26/ \$27/\$38	\$82/\$82/ \$82/\$02						
	\$29/\$2D/ \$2E/\$2F	\$82/\$02/ \$82/\$82						
	\$3E	\$82						
	\$21/\$26/ \$27/\$38	\$83/\$83/ \$83/\$03	X		X			
	\$3A/\$3B/ \$3C	\$82/\$82/ \$02						
	\$3A/\$3B/ \$3C	\$83/\$83/ \$03	X		X			
	\$29/\$2D/ \$2E/\$2F	\$83/\$03/ \$83/\$83	X		X			
	\$3E	\$83	X		X			
	\$81	\$80		X		X	X	X
	\$82/\$8F	\$80/\$80		X		X	X	X
	\$88	\$00		X			X	
\$8B/\$8D	\$00/\$00		X			X		

**Mode \$06 Test ID by Model: Group 2 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Civic Hybrid (Except PZEV)	Civic Hybrid (PZEV)	S2000	Pilot	CR-V	Odyssey
EVAP System	\$90/\$91/ \$92/\$93	\$00/\$80/ \$80/\$00		X			X	
	\$94/\$95/ \$96/\$97	\$00/\$80/ \$00/\$00		X			X	
	\$9A/\$9B/ \$9C/\$9D/ \$9E	\$00/\$00/ \$00/\$00/ \$00				X		X
	\$B0	\$00				X		X
	\$B2	\$00				X		X
	\$B5	\$00				X		X
	\$B1	\$00						
	\$B3	\$00						
	\$B6	\$00						
	\$B4	\$00						
	\$B7	\$00						

### Mode \$06 Test ID by Model: Group 3

Monitor	Test ID	Test Limit Type and Comp. ID	Civic GX	Accord Hybrid	Element	Insight (M/T)	Insight (CVT)
EGR Flow	\$01	\$80				X	X
	\$03	\$81		X			
	\$49	\$00		X			
	\$4A/\$4B	\$80/\$00		X			
Catalyst (Bank 1)	\$04	\$02					X
	\$05/\$06	\$81/\$81	X			X	
	\$62	\$04		X	X		
Catalyst (Bank 2)	\$64	\$04		X			
A/F Sensor (Bank 1)	\$76	\$80		X			
	\$78	\$80			X		
	\$79	\$01		X			
A/F Sensor (Bank 2)	\$77	\$80		X			
	\$7A	\$01		X			
A/F Sensor Heater (Bank 1)	\$70/\$71/ \$72	\$80/\$00/ \$00			X		
PHO2S Heater (Bank 1)	\$10/\$11	\$85/\$05	X				
	\$10/\$11	\$86/\$06					
	\$10/\$11	\$87/\$07					
	\$10/\$11	\$08					
SHO2S Heater (Bank 1)	\$18/\$19	\$85/\$05					X
	\$18/\$19	\$86/\$06	X				
	\$18/\$19	\$87/\$07				X	
	\$18/\$19	\$88/\$08					
	\$18/\$19	\$89/\$09			X		
THO2S Heater	\$14/\$15	\$87/\$07				X	
PHO2S Heater (Bank 2)	\$12/\$13	\$85/\$05					
	\$12/\$13	\$08					
SHO2S Heater (Bank 2)	\$1A/\$1B	\$86/\$06					
	\$1A/\$1B	\$89/\$09					

**Mode \$06 Test ID by Model: Group 3 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Civic GX	Accord Hybrid	Element	Insight (M/T)	Insight (CVT)
PCV	\$48	\$00	X				
	\$48	\$01			X		
Thermostat	\$4D/\$4E/ \$4F/\$50	\$80/\$80/ \$80/\$00					
	\$4D/\$4E/ \$4F/\$50	\$81/\$81/ \$81/\$01			X		
	\$5C/\$5D/ \$5E/\$5F	\$00/\$00/ \$00/\$00	X			X	X
Secondary Air System	\$58/\$59/ \$5A	\$80/\$00/ \$80					
Lean NOx CAT	\$6A	\$01				X	
EVAP System	\$21/\$26/ \$27/\$38	\$81/\$81/ \$81/\$01					
	\$29/\$2D/ \$2E/\$2F	\$81/\$01/ \$81/\$81					
	\$21/\$26/ \$27/\$38	\$82/\$82/ \$82/\$02					
	\$29/\$2D/ \$2E/\$2F	\$82/\$02/ \$82/\$82					
	\$3E	\$82					
	\$21/\$26/ \$27/\$38	\$83/\$83/ \$83/\$03				X	X
	\$3A/\$3B/ \$3C	\$82/\$82/ \$02					
	\$3A/\$3B/ \$3C	\$83/\$83/ \$03				X	X
	\$29/\$2D/ \$2E/\$2F	\$83/\$03/ \$83/\$83				X	X
	\$3E	\$83				X	X
	\$81	\$80			X	X	
	\$82/\$8F	\$80/\$80			X	X	
	\$88	\$00			X		
\$8B/\$8D	\$00/\$00			X			



**Mode \$06 Test ID by Model: Group 3 (cont'd)**

Monitor	Test ID	Test Limit Type and Comp. ID	Civic GX	Accord Hybrid	Element	Insight (M/T)	Insight (CVT)
EVAP System	\$90/\$91/ \$92/\$93	\$00/\$80/ \$80/\$00			X		
	\$94/\$95/ \$96/\$97	\$00/\$80/ \$00/\$00			X		
	\$9A/\$9B/ \$9C/\$9D/ \$9E	\$00/\$00/ \$00/\$00/ \$00		X			
	\$B0	\$00		X			
	\$B2	\$00		X			
	\$B5	\$00		X			
	\$B1	\$00					
	\$B3	\$00					
	\$B6	\$00					
	\$B4	\$00					
	\$B7	\$00					

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$01	Test Limit Type and Component ID	\$80	DTC	P0401
Test Description		Monitoring the fluctuation of MAP sensor output when EGR valve is operated from full close to full open during fuel cut condition in deceleration.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1.34 (mmHg) The lowest limit value: Output value (Decimal) x 1.34 (mmHg) The highest limit value: Nothing			

Test ID	\$03	Test Limit Type and Component ID	\$81	DTC	P0401
Test Description		Monitoring the fluctuation of engine load when EGR valve is operated from full close to full open during fuel cut condition in declaration.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (%) The lowest limit value: Output value (Decimal) x 0.1 (%) The highest limit value: Nothing			

Test ID	\$04	Test Limit Type and Component ID	\$02	DTC	P0420
Test Description		Monitoring the valve calculated by averaging the variance of secondary oxygen sensor signal.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

Test ID	\$05	Test Limit Type and Component ID	\$81	DTC	P0420
Test Description		Monitoring the moving average value of the OSC index. OSC index is calculated by the switching cycle of secondary heated oxygen sensor output during feedback control from secondary heated oxygen sensor output and the amount of fuel injected.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: No unit The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$06	Test Limit Type and Component ID	\$81	DTC	P0420
Test Description		Monitoring the switching cycle of secondary heated oxygen sensor output during feedback control from secondary heated oxygen sensor output.			
Conversion to Engineering Units		Measured value: Output value x 10 (msec.) The lowest limit value: Output value x 10 (msec.) The highest limit value: Nothing			

Test ID	\$07	Test Limit Type and Component ID	\$80	DTC	P0430
Test Description		Monitoring the switching cycle of secondary heated oxygen sensor output during feedback control from secondary heated oxygen sensor output.			
Conversion to Engineering Units		Measured value: Output value x 10 (msec.) The lowest limit value: Output value x 10 (msec.) The highest limit value: Nothing			

Test ID	\$07	Component ID	\$81	DTC	P0420
Test Description		Monitoring the switching period of secondary heated oxygen sensor output during feedback control based on secondary heated oxygen sensor output.			
Conversion to Engineering Units		Measured value: Output value x 10 (msec.) The lowest limit value: Output value x 10 (msec.) The highest limit value: Nothing			

Test ID	\$0A	Test Limit Type and Component ID	\$81	DTC	P0430
Test Description		Monitoring the valve calculated by averaging the variance of secondary oxygen sensor signed.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: No unit The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$10	Test Limit Type and Component ID	\$85	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Output value x 26.7 (mA) The highest limit value: Nothing			

Test ID	\$10	Test Limit Type and Component ID	\$87	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 16.552 (mA) The lowest limit value: Output value x 16.552 (mA) The highest limit value: Nothing			

Test ID	\$11	Test Limit Type and Component ID	\$05	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Nothing The highest limit value: Output value x 26.7 (mA)			

Test ID	\$11	Test Limit Type and Component ID	\$07	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 16.552 (mA) The lowest limit value: Nothing The highest limit value: Output value x 16.552 (mA)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$12	Test Limit Type and Component ID	\$85	DTC	P0155
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Output value x 26.7 (mA) The highest limit value: Nothing			

Test ID	\$13	Test Limit Type and Component ID	\$05	DTC	P0155
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Nothing The highest limit value: Output value x 26.7 (mA)			

Test ID	\$14	Test Limit Type and Component ID	\$87	DTC	P0147
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 16.552 (mA) The lowest limit value: Output value (Decimal) x 16.552 (mA) The highest limit value: Nothing			

Test ID	\$15	Test Limit Type and Component ID	\$07	DTC	P0147
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 16.552 (mA) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 16.552 (mA)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$18	Test Limit Type and Component ID	\$85	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Output value x 26.7 (mA) The highest limit value: Nothing			

Test ID	\$18	Test Limit Type and Component ID	\$86	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 7.23 (mA) The lowest limit value: Output value x 7.23 (mA) The highest limit value: Nothing			

Test ID	\$18	Test Limit Type and Component ID	\$87	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 16.552 (mA) The lowest limit value: Output value x 16.552 (mA) The highest limit value: Nothing			

Test ID	\$18	Test Limit Type and Component ID	\$88	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 9.04 (A) The lowest limit value: Output value x 9.04 (A) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$18	Test Limit Type and Component ID	\$89	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (A) The lowest limit value: Output value (Decimal) x 0.01 (A) The highest limit value: Nothing			

Test ID	\$19	Test Limit Type and Component ID	\$05	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 26.7 (mA) The lowest limit value: Nothing The highest limit value: Output value x 26.7 (mA)			

Test ID	\$19	Test Limit Type and Component ID	\$06	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 7.23 (mA) The lowest limit value: Nothing The highest limit value: Output value x 7.23 (mA)			

Test ID	\$19	Test Limit Type and Component ID	\$07	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 16.552 (mA) The lowest limit value: Nothing The highest limit value: Output value x 16.552 (mA)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$19	Test Limit Type and Component ID	\$08	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 9.04 (mA) The lowest limit value: Nothing The highest limit value: Output value x 9.04 (mA)			

Test ID	\$19	Test Limit Type and Component ID	\$09	DTC	P0141
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (A) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.01 (A)			

Test ID	\$1A	Test Limit Type and Component ID	\$86	DTC	P0161
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 7.23 (mA) The lowest limit value: Output value x 7.23 (mA) The highest limit value: Nothing			

Test ID	\$1B	Component ID	\$06	DTC	P0161
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value x 7.23 (mA) The lowest limit value: Nothing The highest limit value: Output value x 7.23 (mA)			



## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$21	Test Limit Type and Component ID	\$83	DTC	P1456
Test Description		Monitoring the fluctuation of fuel tank pressure sensor output before and after EVAP bypass solenoid valve is opened after engine starting with cold condition.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$26	Test Limit Type and Component ID	\$83	DTC	P1456
Test Description		Monitoring either of: 1) The difference between maximum and minimum of fuel tank pressure sensor output in predetermined time after engine starting with cold condition, or 2) The difference between the sensor output when EVAP control canister vent shut and EVAP bypass solenoid valves are opened before performing tank leak check, and the sensor output during tank leak check.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$27	Test Limit Type and Component ID	\$83	DTC	P1456
Test Description		Monitoring the fluctuation of fuel tank pressure sensor output before and after the EVAP bypass solenoid valve is opened, after fuel tank pressure check is completed in predetermined time after engine starting with cold condition			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$29	Component ID	\$83	DTC	P1457
Test Description		Monitoring the fuel tank pressure sensor output when EVAP control canister vent shut valve is closed after releasing the pressure in EVAP vapor line.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 - 62.500000 (mmHg) The lowest limit value: Output value x 0.488281 - 62.500000 (mmHg) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$2D	Test Limit Type and Component ID	\$03	DTC	P0497
Test Description		Monitoring the fuel tank pressure sensor during decompressing pressure in EVAP vapor line.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 - 62.500000 (mmHg) The lowest limit value: Nothing The highest limit value: Output value x 0.488281 - 62.500000 (mmHg)			

Test ID	\$2E	Test Limit Type and Component ID	\$83	DTC	P1457
Test Description		Monitoring the fluctuation of fuel tank pressure sensor output after opening EVAP bypass solenoid valve while maintaining decompressed pressure in EVAP vapor line.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$2F	Test Limit Type and Component ID	\$83	DTC	P1457
Test Description		Monitoring the fuel tank pressure sensor output when EVAP canister purge valve is closed. and EVAP bypass solenoid and EVAP canister vent shut valves are opened before decompressing pressure in EVAP vapor line.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 - 62.500000 (mmHg) The lowest limit value: Output value x 0.488281 - 62.500000 (mmHg) The highest limit value: Nothing			

Test ID	\$38	Test Limit Type and Component ID	\$03	DTC	P1456
Test Description		Monitoring the difference of fuel tank pressure sensor output in pressure retention mode after decompressing the fuel tank.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Nothing The highest limit value: Output value x 0.488281 (mmHg)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$3A	Test Limit Type and Component ID	\$83	DTC	P1456
Test Description		Monitoring the fluctuation of fuel tank pressure sensor before and after the EVAP bypass solenoid valve is opened after engine starting with cold condition.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$3B	Test Limit Type and Component ID	\$83	DTC	P1456
Test Description		Monitoring the difference between the sensor output when EVAP control canister vent shut and EVAP bypass solenoid valves are opened before performing tank leak check, and the sensor output during tank leak check.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

Test ID	\$3C	Test Limit Type and Component ID	\$03	DTC	P1456
Test Description		Monitoring the valve calculated by dividing the difference of fuel tank pressure sensor output in pressure retention mode after decompressing the fuel tank by EVAP leak monitoring time.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

Test ID	\$3E	Test Limit Type and Component ID	\$83	DTC	P1457
Test Description		Monitoring the fluctuation of fuel tank pressure sensor output after opening EVAP bypass solenoid valve while maintaining decompressing pressure in EVAP vapor line.			
Conversion to Engineering Units		Measured value: Output value x 0.488281 (mmHg) The lowest limit value: Output value x 0.488281 (mmHg) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$48	Test Limit Type and Component ID	00\$	DTC	P1505
Test Description		Monitoring the difference of flow rate between estimated intake air to the manifold and passage air through the idle air control valve during the engine idling.			
Conversion to Engineering Units		Measured value: Output value x 0.03662 (l/min.) The lowest limit value: Nothing The highest limit value: Output value x 0.03662 (l/min.)			

Test ID	\$48	Test Limit Type and Component ID	\$01	DTC	P2279
Test Description		Monitoring the difference of flow rate between estimated intake air to the manifold during engine idling and passage air through the idle air control valve.			
Conversion to Engineering Units		Measured value: Output value x 0.10 (l/min.) The lowest limit value: Nothing The highest limit value: Output value x 0.10 (l/min.)			

Test ID	\$49	Test Limit Type and Component ID	\$00	DTC	P0404
Test Description		Difference of the target and actual lift quantities of the EGR valve during the EGR valve oven control.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (mm) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.01 (mm)			

Test ID	\$4A	Test Limit Type and Component ID	\$80	DTC	P2413
Test Description		The EGR valve lift quantity when the EGR valve is controlled at open side.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) x 0.01 (mm) The lowest limit value lift: Output value (Decimal) x 0.01 (mm) The highest limit value lift: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$4B	Test Limit Type and Component ID	\$00	DTC	P2413
Test Description		The EGR valve lift quantity when the EGR valve is controled at close side.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) x 0.01 (mm) The lowest limit value lift: Nothing The highest limit value lift: Output value (Decimal) x 0.01 (mm)			

Test ID	\$4D	Test Limit Type and Component ID	\$80	DTC	P0128, P1486
Test Description		Monitoring engine coolant temperature when the average driving speed is higher than a certain level.			
Conversion to Engineering Units		Measured value: Output value - 48 (°C) The lowest limit value: Output value - 48 (°C) The highest limit value: Nothing			

Test ID	\$4D	Test Limit Type and Component ID	\$81	DTC	P0128
Test Description		Monitoring engine coolant temperature when average vehicle speed is more than certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) - 40 (°C) The lowest limit value: Output value (Decimal) - 40 (°C) The highest limit value: Nothing			

Test ID	\$4E	Test Limit Type and Component ID	\$80	DTC	P0128, P1486
Test Description		Monitoring engine coolant temperature when estimated engine coolant temperature calculated based on driving condition is lower than a certain level.			
Conversion to Engineering Units		Measured value: Output value - 48 (°C) The lowest limit value: Output value - 48 (°C) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$4E	Test Limit Type and Component ID	\$81	DTC	P0128
Test Description		Monitoring engine coolant temperature when the estimated temperature calculated from vehicle driving condition is lower than certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) - 40 (°C) The lowest limit value: Output value (Decimal) - 40 (°C) The highest limit value: Nothing			

Test ID	\$4F	Test Limit Type and Component ID	\$80	DTC	P0128, P1486
Test Description		Monitoring engine coolant temperature when estimated temperature calculated based on driving condition reaches a certain level.			
Conversion to Engineering Units		Measured value: Output value - 48 (°C) The lowest limit value: Output value - 48 (°C) The highest limit value: Nothing			

Test ID	\$4F	Test Limit Type and Component ID	\$81	DTC	P0128
Test Description		Monitoring engine coolant temperature when the estimated temperature calculated from vehicle driving condition reaches certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) - 40 (°C) The lowest limit value: Output value (Decimal) - 40 (°C) The highest limit value: Nothing			

Test ID	\$50	Test Limit Type and Component ID	\$00	DTC	P0128, P1486
Test Description		Monitoring the valve calculated by subtracting actual engine coolant temperature from estimated temperature calculated based on driving condition.			
Conversion to Engineering Units		Measured value: Output value x 1 (°C) The lowest limit value: Nothing The highest limit value: Output value x 1 (°C)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$50	Test Limit Type and Component ID	\$01	DTC	P0128
Test Description		Monitoring the difference subtracted actual engine coolant temperature from the estimated temperature calculated from vehicle driving condition.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 1 (°C) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 1 (°C)			

Test ID	\$58	Test Limit Type and Component ID	\$80	DTC	P0410
Test Description		Monitoring the fluctuation of the air pump electric current sensor output before and after air pump is operated.			
Conversion to Engineering Units		Measured value: Output value x 0.2930 (A) The lowest limit value: Output value x 0.2930 (A) The highest limit value: Nothing			

Test ID	\$59	Test Limit Type and Component ID	\$00	DTC	P1410
Test Description		Monitoring the fluctuation of the air pump electric current sensor output before and after air pump is operated.			
Conversion to Engineering Units		Measured value: Output value x 0.2930 (A) The lowest limit value: Nothing The highest limit value: Output value x 0.2930 (A)			

Test ID	\$5A	Test Limit Type and Component ID	\$80	DTC	P0411
Test Description		Monitoring the fluctuation of the air pump electric current sensor output before and after secondary air valve is opened.			
Conversion to Engineering Units		Measured value: Output value x 0.2930 (A) The lowest limit value: Output value x 0.2930 (A) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$5B	Test Limit Type and Component ID	\$00	DTC	P1419
Test Description		Monitor the difference between banks of A/F compensation coefficient due to secondary air introduction from the air pump when idle			
Conversion to Engineering Units		Measured value: Output value x 2 <sup>^</sup> - 15 The lowest limit value: Output value x 2 <sup>^</sup> - 15 The highest limit value: Nothing			

Test ID	\$5C	Test Limit Type and Component ID	\$00	DTC	P0128, P1486
Test Description		Monitoring the voltage of engine coolant temperature sensor when the average driving cycle is higher than a certain level.			
Conversion to Engineering Units		Measured value: Output value x 0.0195 (V) The lowest limit value: Nothing The highest limit value: Output value x 0.0195 (V)			

Test ID	\$5D	Test Limit Type and Component ID	\$00	DTC	P0128, P1486
Test Description		Monitoring the voltage of engine coolant temperature sensor when estimated engine coolant temperature calculated based on driving condition is lower than a certain level.			
Conversion to Engineering Units		Measured value: Output value x 0.0195 (V) The lowest limit value: Nothing The highest limit value: Output value x 0.0195 (V)			

Test ID	\$5E	Test Limit Type and Component ID	\$00	DTC	P0128, P1486
Test Description		Monitoring the voltage of engine coolant temperature sensor when estimated engine coolant temperature calculated based on driving condition reaches a certain level.			
Conversion to Engineering Units		Measured value: Output value x 0.0195 (V) The lowest limit value: Nothing The highest limit value: Output value x 0.0195 (V)			



## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$5F	Test Limit Type and Component ID	\$00	DTC	P0128, P1486
Test Description		Monitoring the valve calculated by subtracting actual engine coolant temperature from estimated temperature calculated based on driving condition.			
Conversion to Engineering Units		Measured value: Output value x 1 (°C) The lowest limit value: Nothing The highest limit value: Output value x 1 (°C)			

Test ID	\$62	Test Limit Type and Component ID	\$04	DTC	P0420
Test Description		Monitoring moving average value calculated from the standard value of oxygen sensor output after passing through catalyst.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

Test ID	\$64	Test Limit Type and Component ID	\$04	DTC	P0430
Test Description		Monitoring moving average value calculated from the standard value of oxygen sensor output after passing through catalyst.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

Test ID	\$6A	Test Limit Type and Component ID	\$01	DTC	P1420
Test Description		Monitoring the voltage of third heater oxygen sensor output after the predetermined time from the switching period of second heated oxygen sensor output after target A/F is changed lean to rich in order to radiate adsorbed Nox.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.020 (V) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.020 (V)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$70	Test Limit Type and Component ID	\$80	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (A) The lowest limit value: Output value (Decimal) x 0.01 (A) The highest limit value: Nothing			

Test ID	\$71	Test Limit Type and Component ID	\$00	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater on.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (A) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.01 (A)			

Test ID	\$72	Test Limit Type and Component ID	\$00	DTC	P0135
Test Description		Monitoring the electric current value of sensor heater during turning heater off.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.01 (A) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.01 (A)			

Test ID	\$76	Test Limit Type and Component ID	\$80	DTC	P0133
Test Description		Integration value at the specified time according to the response performance measurement of the A/F sensor.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$77	Test Limit Type and Component ID	\$80	DTC	P0153
Test Description		Integration value at the specified time according to the response performance measurement of the A/F sensor.			
Conversion to Engineering Units		Measured value: No unit The lowest limit value: Nothing The highest limit value: No unit			

Test ID	\$78	Test Limit Type and Component ID	\$80	DTC	P1172
Test Description		The A/F sensor output value during A/F control.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.00390625 - 128 (mA) The lowest limit value: Output value (Decimal) x 0.00390625 - 128 (mA) The highest limit value: Nothing			

Test ID	\$79	Test Limit Type and Component ID	\$01	DTC	P1172
Test Description		The A/F sensor output value during A/F control.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.00390625 - 128 (mA) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.00390625 - 128 (mA)			

Test ID	\$7A	Test Limit Type and Component ID	\$01	DTC	P1174
Test Description		The A/F sensor output value during A/F control.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.00390625 - 128 (mA) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.00390625 - 128 (mA)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$81	Test Limit Type and Component ID	\$80	DTC	P0496
Test Description		Monitoring fuel tank pressure sensor output when vent shut valve is closed in prescribed time until purge starts after engine starts with cold condition.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

Test ID	\$82	Test Limit Type and Component ID	\$80	DTC	P2422
Test Description		Monitoring fuel tank pressure sensor output while purge is normally controlled.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

Test ID	\$88	Test Limit Type and Component ID	\$00	DTC	P0497
Test Description		Monitoring fuel tank pressure sensor value in failing to make the tank decompress to certain level after engine starts with cold condition.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$8B	Test Limit Type and Component ID	\$00	DTC	P0457
Test Description		Monitoring fuel tank pressure sensor value in failing to make the tank decompress to certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$8D	Test Limit Type and Component ID	\$00	DTC	P0457
Test Description		Monitoring the difference of fuel tank pressure sensor output just before purge is paused after engine starts with cold condition and then the tank is decompressed to certain level, and after leak check mode starts and passes certain time.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$8F	Test Limit Type and Component ID	\$80	DTC	P2422
Test Description		Monitoring fuel tank pressure sensor output when engine starts.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

Test ID	\$90	Test Limit Type and Component ID	\$00	DTC	P0442
Test Description		Monitoring fuel tank pressure sensor output until purge starts after engine starts with cold condition and then PCS opening malfunction monitoring is finished.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$91	Test Limit Type and Component ID	\$80	DTC	P0442
Test Description		Monitoring the difference between maximum and minimum of prescribed fuel tank pressure sensor output in prescribed time after engine start switch cold condition.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$92	Test Limit Type and Component ID	\$80	DTC	P0442
Test Description		Monitoring the difference of fuel tank pressure sensor output just before purge is paused after engine starts with cold condition and then the tank is decompressed to certain level, and after leak check mode starts and passes certain time.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

Test ID	\$93	Test Limit Type and Component ID	\$00	DTC	P0442
Test Description		Monitoring fluctuation in fuel tank divided the fluctuation during leak check mode by leak check time after fuel tank is decompressed to certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg/min.) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg/min.)			

Test ID	\$94	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Monitoring fuel tank pressure sensor output in prescribed time after engine starts with cold condition.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$95	Test Limit Type and Component ID	\$80	DTC	P0456
Test Description		Monitoring the difference of fuel tank pressure sensor output just before purge is paused after engine starts with cold condition and then the tank is decompressed to certain level, and after leak check mode starts and passes certain time.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The highest limit value: Nothing			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$96	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Monitoring fluctuation in fuel tank divided the fluctuation during leak check mode by leak check mode time after fuel tank is decompressed to certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg/min.) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg/min.)			

Test ID	\$97	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Monitoring fluctuation in fuel tank divided the fluctuation during leak check mode by leak check mode time after fuel tank is decompressed to certain level.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg/min.) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg/min.)			

Test ID	\$9A	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Fuel tank pressure increase changing degree after the engine stop.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) / 1024 - 32 The lowest limit value lift: Nothing The highest limit value lift: Output value (Decimal) / 1024 - 32			

Test ID	\$9B	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Fuel tank pressure increase changing degree after the engine stop.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) / 32 - 1024 The lowest limit value lift: Nothing The highest limit value lift: Output value (Decimal) / 32 - 1024			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$9C	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Fuel tank pressure atmospheric pressure stagnation time after the engine stop.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) x 1 (sec.) The lowest limit value lift: Nothing The highest limit value lift: Output value (Decimal) x 1 (sec.)			

Test ID	\$9D	Component ID	\$00	DTC	P0456
Test Description		Fuel tank pressure when tank air opened after the engine stop.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.001 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.001 (mmHg)			

Test ID	\$9E	Test Limit Type and Component ID	\$00	DTC	P0456
Test Description		Sensor flickering integrated time during waiting for fuel tank pressure sensor stability after the engine stop.			
Conversion to Engineering Units		Measured value lift: Output value (Decimal) x 0.08 (sec.) The lowest limit value lift: Nothing The highest limit value lift: Output value (Decimal) x 0.08 (sec.)			

Test ID	\$B0	Test Limit Type and Component ID	\$00	DTC	P0497
Test Description		Difference of the fuel tank pressure sensor value and when opened to air, when the purge flow integrataded value reached above the specified value at the time when decreasing the fuel tank pressure to the specified negative pressure after the cold start.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			



## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$B1	Test Limit Type and Component ID	\$00	DTC	P0497
Test Description		Difference of the fuel tank pressure sensor value and when opened to air, when the purge flow integrataded value reached above the specified value at the time when decreasing the fuel tank pressure to the specified negative pressure after the cold start.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$B2	Test Limit Type and Component ID	\$00	DTC	P0457
Test Description		Fuel tank pressure sensor value when tried to decrease pressure to the specified negative pressure but cannot decrease the pressure after the cold start.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

Test ID	\$B3	Test Limit Type and Component ID	\$00	DTC	P0457
Test Description		Fuel tank pressure sensor value when tried to decrease pressure to the specified negative pressure but cannot decrease the pressure after the cold start.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg)			

Test ID	\$B4	Test Limit Type and Component ID	\$00	DTC	P0457
Test Description		Fuel tank pressure sensor value when tried to decrease pressure to the specified negative pressure but cannot decrease the pressure after the cold start.			
Conversion to Engineering Units		Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)			

## SAE J1979 Mode \$06 Information by Test ID

Test ID	\$B5	Test Limit Type and Component ID	\$00	DTC	P0455
Test Description	Fuel tank pressure changed quantity per unit time dividing the fuel tank pressure changed quantity with the leak check mode time during leak check mode is performed, after the fuel tank pressure is decreased to the specified negative pressure.				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)				

Test ID	\$B6	Test Limit Type and Component ID	\$00	DTC	P0455
Test Description	Fuel tank pressure changed quantity per unit time dividing the fuel tank pressure changed quantity with the leak check mode time during leak check mode is performed, after the fuel tank pressure is decreased to the specified negative pressure.				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.1 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg)				

Test ID	\$B7	Test Limit Type and Component ID	\$00	DTC	P0455
Test Description	Fuel tank pressure changed quantity per unit time dividing the fuel tank pressure changed quantity with the leak check mode time during leak check mode is performed, after the fuel tank pressure is decreased to the specified negative pressure.				
Conversion to Engineering Units	Measured value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg) The lowest limit value: Nothing The highest limit value: Output value (Decimal) x 0.1 (mmHg) - 3276.8 (mmHg)				