

REPORT NO. 124-KAR-05-002

**SAFETY COMPLIANCE TESTING
FOR FMVSS NO. 124**

ACCELERATOR CONTROL SYSTEMS
GENERAL MOTORS CORPORATION
2005 CHEVROLET AVEO
4-DOOR PASSENGER CAR

NHTSA NO. C50105

PREPARED BY:
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9270 HOLLY ROAD
ADELANTO, CALIFORNIA 92301



October 11, 2005

FINAL REPORT

PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
ROOM 6115 (NVS-220)
400 SEVENTH STREET, SW
WASHINGTON, D.C. 20590

This final test report was prepared for the U.S. Department of Transportation, National Highway Traffic Safety Administration, under Contract DTNH22-01-C-31025.

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10/14/05

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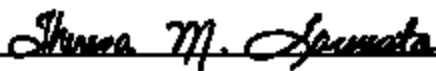
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10/14/05

FINAL REPORT ACCEPTED BY:

Accepted By:



Acceptance Date:

10/31/05

Technical Report Documentation Page

1. Report No. 124-KAR-05-002		2. Government Accession No. N/A		3. Recipient's Catalog No. N/A	
4. Title and Subtitle Final Report of FMVSS 124 Compliance Testing of 2005 Chevrolet Aveo 4-Door Passenger Car NHTSA NO.: C50105				5. Report Date October 11, 2005	
				6. Performing Organization Code KAR	
7. Author(s) Mr. Keith G. Nogueira, Project Engineer, KARCO Mr. Frank D. Richardson, Program Manager, KARCO				8. Performing Organization Report No. KAR-DOT-05-124-002	
9. Performing Organization Name and Address KARCO Engineering 9270 Holly Road Adelanto, California 92301				10. Work unit No. N/A	
				11. Contract or Grant No. DTNH22-01-C-31025	
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance (NVS-220) 400 Seventh Street, SW, Room 6115 Washington, D.C. 20590				13. Type of report and Period Covered Final Report- June 7, 2005	
				14. Sponsoring Agency Code NVS-220	
15. Supplementary Notes					
16. Abstract Compliance tests were conducted on the subject 2005 Chevrolet Aveo 4-Door Passenger Car on June 7, 2005 in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-124-06 for the determination of FMVSS 124 compliance. There were no apparent test failures.					
17. Key Words Compliance Testing Safety Engineering FMVSS 124				18. Distribution Statement Copies of this report are available from: National Highway Traffic Safety Admin. Technical Information Services (TIS) Room 2336 (NPO-406) 400 Seventh St., SW Washington, DC 20590	
19. Security Classification (of this report) UNCLASSIFIED		20. Security Classification (of this page) UNCLASSIFIED		21. No. of Pages 74	
				22. Price	

Form DOT F1700.7 (8-72)

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SECTION 1
PURPOSE OF COMPLIANCE TEST

TR-P25009-02-NC

1. PURPOSE OF COMPLIANCE TEST

Tests were conducted on a 2005 Chevrolet Aveo 4-Door Passenger car, manufactured by GM Daewoo Auto & Technology Company, to determine compliance with FMVSS 124, "Accelerator Control Systems". FMVSS 124 establishes requirements for the return of a vehicle's throttle to the idle position when the driver removes the actuating force from the accelerator control, or in the event of a severance or disconnection in the accelerator control system. The purpose of this standard is to reduce the number of deaths and injuries resulting from engine over-speed caused by malfunctions in the accelerator control system.

All tests were conducted based on the current National Highway Traffic Safety Administration (NHTSA), Office of Vehicle Safety Compliance (OVSC) Laboratory Procedures, TP-124-06, dated April 20, 2000, and corresponding KARCO Engineering test procedure KTP-124, dated June 13, 2003, except for engine off testing which was authorized by the OVSC to provide additional data. Detailed procedures for receiving, inspecting, testing and reporting of test results are described in the test procedures and are not repeated in this report.

This report is organized in sections containing pertinent test information and data tables as follows:

Section 2	-	Compliance Test Procedure and Data Summary
Section 3	-	Test Results
Appendix A	-	Photographs
Appendix B	-	Data Plots
Appendix C	-	Test Equipment List

SECTION 2
COMPLIANCE TEST PROCEDURE and DATA SUMMARY

TR-P25009-02-NC

2. COMPLIANCE TEST PROCEDURE AND DATA SUMMARY

A 2005 Chevrolet Aveo 4-Door Passenger car was subjected to FMVSS 124 compliance testing. The tests were conducted at KARCO Engineering in Adelanto, California on June 7, 2005. The following tests were performed:

- Inspection
- Time to Return to Idle Position (Complete Normal Operation)
- Time to Return to Idle Position (1st Energy Source Removed)
- Time to Return to Idle Position (2nd Energy Source Removed)
- Time to Return to Idle Position (3rd Energy Source Removed)
- Time to Return to Idle Position (Severance)

The tests were conducted per the FMVSS 124 test procedure. The significant aspects of the test procedure are described in the following paragraphs.

A. INSPECTION

The operation of all adjustable accelerator control systems shall be checked to ascertain that the systems operate correctly. The accelerator control systems shall have at least two sources of energy capable of returning the throttle to the idle.

B. COMPLIANCE TEST EXECUTION (STATIC TESTING OF ACCELERATOR CONTROL SYSTEMS)

B.1 FULLY OPERATIONAL SYSTEM

Continuously record ambient temperature, engine coolant temperature, throttle position versus time and engine RPM versus time for the duration of each test. The accelerator may be depressed by hand or foot pressure or by any other mechanical means. Conduct the tests for 25% WOT, 50% WOT, 75% WOT and 100% WOT. Conduct the test a second time with the engine off.

B.2 DISCONNECTION OF THE FIRST SOURCE OF THROTTLE RETURN ENERGY

Remove one of the throttle return springs. Continuously record ambient temperature, engine coolant temperature, throttle position versus time, and engine RPM versus time for the duration of each test. The accelerator may be depressed by hand or foot pressure or by any other mechanical means. Conduct the tests for 25% WOT, 50% WOT, 75% WOT and 100% WOT. Conduct the test a second time with the engine off. Return the system to original condition.

B.3 DISCONNECTION OF THE SECOND SOURCE OF THROTTLE RETURN ENERGY

Remove the second throttle return spring and reconnect the first spring. Continuously record ambient temperature, engine coolant temperature, throttle position versus time, and engine RPM versus time for the duration of each test. The accelerator may be depressed by hand or foot pressure or by any other mechanical means. Conduct the tests for 25% WOT, 50% WOT, 75% WOT and 100% WOT. Conduct the test a second time with the engine off. Return the system to original condition.

B.4 DISCONNECTION OF THE THIRD SOURCE OF THROTTLE RETURN ENERGY

Remove the third throttle return spring and reconnect the second spring. Continuously record ambient temperature, engine coolant temperature, throttle position versus time, and engine RPM versus time for the duration of each test. The accelerator may be depressed by hand or foot pressure or by any other mechanical means. Conduct the tests for 25% WOT, 50% WOT, 75% WOT and 100% WOT. Conduct the test a second time with the engine off. Return the system to original condition.

B.6 SEVERANCE

Identify the points determined in Section 11.3.4 of the KTP-124 test procedure to be the most critical in the accelerator control system. Induce severance or disconnection in the throttle return linkage. Continuously record ambient temperature, engine coolant temperature, throttle position versus time engine RPM versus time for the duration of each test. The accelerator may be depressed by hand or foot pressure or by any other mechanical means. Conduct the tests for 25% WOT, 50% WOT, 75% WOT and 100% WOT. Conduct the test a second time with the engine off. Return the system to original condition.

B.6 TEST SET-UP

Each series of tests were conducted in the same manner. Throttle plate position was calculated using a displacement potentiometer. Engine RPM was obtained with an optical fifth wheel recording speed on the engine belt. The Chevrolet Aveo was RPM limited and the RPM of the engine remained relatively constant for throttle plate positions beyond a certain throttle position. On data traces, time of release of accelerator pedal is time zero (0). Percentage (%) on data trace is the percent of throttle plate maximum rotation where zero is the idle state position. On data traces, RPM time is the time for RPM to return to approximate steady state idle. Severance was accomplished by disconnecting the accelerator cable from the throttle body and actuating the throttle plate position with a piece of string. Time zero on the data plots equates to release of the string simulating failure.

SECTION 3
TEST DATA

3. TEST DATA

The results of FMVSS 124 compliance tests that were conducted on the 2005 Chevrolet Aveo 4-Door Passenger car on June 7, 2005, to determine compliance with FMVSS 124, "Accelerator Control Systems" are presented in this section.

DATA SHEET NO. 1

VEHICLE INSPECTION AND IDENTIFICATION

TEST VEHICLE INFORMATION			
Manufacturer	GM Daewoo Auto & Technology Company	VIN	KL1TD52605B419159
Manufacturing Date	02/05	Delivery Date	6/6/05
Dealer	Crest Chevrolet	NHTSA No.	C50105
Odometer Reading (mi.)	53	Fuel Type	Gas
Engine Displacement (lit.)	1.8	Cylinders	4
Transmission	Manual	Final Drive	Front
Engine Placement	Transverse	Color	White
Tire Press./Max. Cap. Front	241 kpa (35 psi)	Cold Tire Press. Front	207 kpa (30 psi)
Tire Press./Max. Cap. Rear	241 kpa (35 psi)	Cold Tire Press. Rear	207 kpa (30 psi)
Recommend Tire Size	P185/60R14	Type of Spare	T105/70D14
Tire Size on Vehicle	P185/60R14	Manufacturer	Kumho
GVWR	1519 kg (3348 lb)	Cargo Capacity	389 kg (858 lb)
GAWR Front	830 kg (1830 lb)	GAWR Rear	801 kg (1767 lb)
Air Conditioning	No	Power Steering	Yes
Power Brakes	Yes	AM/FM/Cassette	Yes
Disc Brakes (Front)	Yes	Disc Brakes (Rear)	No
Power Windows	No	Tilt Steering	Yes
Manufacturer's Idle RPM	800	Power Seats	No
Driver Airbag	Yes	Passenger Airbag	Yes
Control System	Fuel Injected	Max. BHP	103
Comments:	Tests were conducted with the air cleaner assembly removed to facilitate installation of a spring potentiometer onto the throttle plate.		

DATA SHEET NO. 2

VEHICLE THROTTLE CONTROL INSPECTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ26E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.6° C

Determine how many forms of energy are present on the vehicle to return throttle to idle. If more than two, describe the third in the comments below.	3
Describe the first energy source.	Torsion spring mounted on throttle shaft.
Describe the second energy source.	Torsion spring mounted on throttle shaft.
Does vehicle have a return spring on the accelerator pedal?	Yes
Describe point of severance.	Throttle cable was disconnected from the throttle shaft.

Comments: None

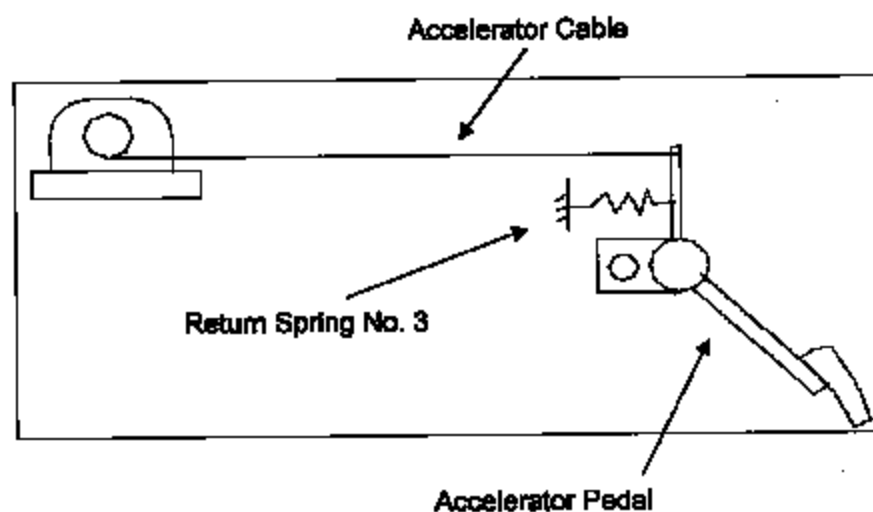
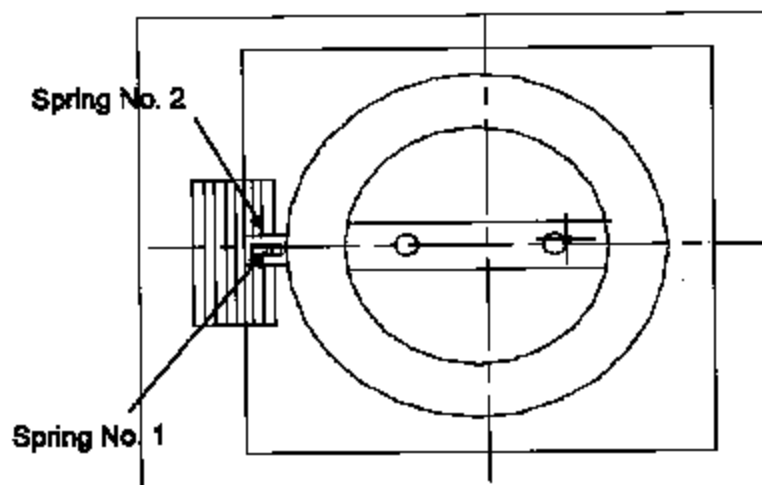
TEST STATUS:	PASSED —	x	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRA DATE: 06/07/05

APPROVED BY: MATTHEW A. IVORY DATE: 06/07/05

DATA SHEET NO. 3
MANUFACTURER'S DRAWINGS

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ26E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.8° C



DATA SHEET NO. 4

TEST EXECUTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ26E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.8° C

THROTTLE CONTROL SYSTEM CONDITION:				ACCELERATOR CONTROL SYSTEM INTACT, AMBIENT TEMPERATURE, ENGINE ON			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.0%	7104.1	91°C	0.0%	110 msec	Pass
2	50%	50.0%	7106.8	91°C	0.0%	220 msec	Pass
3	75%	75.1%	7120.8	91°C	0.0%	340 msec	Pass
4	100%	100.2%	7064.2	91°C	0.0%	250 msec	Pass

THROTTLE CONTROL SYSTEM CONDITION:				ACCELERATOR CONTROL SYSTEM INTACT, AMBIENT TEMPERATURE, ENGINE OFF			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.0%				160 msec	Pass
2	50%	50.1%				170 msec	Pass
3	75%	75.2%				160 msec	Pass
4	100%	100.0%				220 msec	Pass

RETURN TIME REQUIREMENTS:

1 second (1000 msec) for vehicles less than 4536 kg.

2 seconds (2000 msec) for vehicles more than 4536 kg.

3 seconds (3000 msec) for vehicle exposed to -18°C or less.

TEST STATUS:	PASSED —	x	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRA

DATE: 06/07/05

APPROVED BY: MATTHEW A. IVORY

DATE: 06/07/05

DATA SHEET NO. 4...(CONTINUED)

TEST EXECUTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ26E85U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.6° C

THROTTLE CONTROL SYSTEM CONDITION:				1 ST RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE ON			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	24.9%	6001.8	90°C	0.0%	160 msec	Pass
2	50%	50.0%	6230.7	90°C	0.0%	210 msec	Pass
3	75%	74.9%	6313.2	90°C	0.0%	280 msec	Pass
4	100%	100.0%	6366.5	90°C	0.0%	240 msec	Pass

THROTTLE CONTROL SYSTEM CONDITION:				1 ST RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE OFF			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.1%				120 msec	Pass
2	50%	50.1%				180 msec	Pass
3	75%	75.2%				230 msec	Pass
4	100%	100.2%				190 msec	Pass

RETURN TIME REQUIREMENTS:

1 second (1000 msec) for vehicles less than 4536 kg.

2 seconds (2000 msec) for vehicles more than 4536 kg.

3 seconds (3000 msec) for vehicle exposed to -18°C or less.

TEST STATUS:	PASSED —	X	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRA

DATE: 06/07/05

APPROVED BY: MATTHEW A. IVORY

DATE: 06/07/05

DATA SHEET NO. 4...(CONTINUED)

TEST EXECUTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ28E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.6° C

THROTTLE CONTROL SYSTEM CONDITION:				2 ND RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE ON			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.1%	6433.5	90°C	0.0%	170 msec	Pass
2	50%	50.0%	6471.9	90°C	0.0%	290 msec	Pass
3	75%	75.1%	6529.2	90°C	0.0%	210 msec	Pass
4	100%	100.2%	6499.0	90°C	0.0%	230 msec	Pass

THROTTLE CONTROL SYSTEM CONDITION:				2 ND RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE OFF			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.0%				110 msec	Pass
2	50%	49.9%				160 msec	Pass
3	75%	47.9%				210 msec	Pass
4	100%	99.9%				190 msec	Pass

RETURN TIME REQUIREMENTS:

1 second (1000 msec) for vehicles less than 4536 kg.

2 seconds (2000 msec) for vehicles more than 4536 kg.

3 seconds (3000 msec) for vehicle exposed to -18°C or less.

TEST STATUS:	PASSED —	x	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRADATE: 06/07/05APPROVED BY: MATTHEW A. IVORYDATE: 06/07/05

DATA SHEET NO. 4...(CONTINUED)

TEST EXECUTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C50105	VIN	JA3AJ26E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.6° C

THROTTLE CONTROL SYSTEM CONDITION:				3 RD RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE ON			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.1%	6249.8	90°C	0.0%	130 msec	Pass
2	50%	50.1%	6328.6	90°C	0.0%	170 msec	Pass
3	75%	75.1%	6363.7	90°C	0.0%	320 msec	Pass
4	100%	100.2%	6280.5	90°C	0.0%	280 msec	Pass

THROTTLE CONTROL SYSTEM CONDITION:				3 RD RETURN SPRING REMOVED, AMBIENT TEMPERATURE, ENGINE OFF			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.0%				130 msec	Pass
2	50%	50.1%				250 msec	Pass
3	75%	75.0%				380 msec	Pass
4	100%	100.0%				260 msec	Pass

RETURN TIME REQUIREMENTS:

1 second (1000 msec) for vehicles less than 4536 kg.

2 seconds (2000 msec) for vehicles more than 4536 kg.

3 seconds (3000 msec) for vehicle exposed to -18°C or less.

TEST STATUS:	PASSED —	x	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRA

DATE: 06/07/05

APPROVED BY: MATTHEW A. IVORY

DATE: 06/07/05

DATA SHEET NO. 4...(CONTINUED)

TEST EXECUTION

VEHICLE			
YEAR	2005	MAKE	GM Daewoo Auto & Technology Company
MODEL	Chevrolet Aveo	BODY STYLE	4-Door Passenger car
NHTSA NO.	C60105	VIN	JA3AJ26E65U007761
TEST DATE:	06/07/05	TEMPERATURE:	21.8° C

THROTTLE CONTROL SYSTEM CONDITION:				SEVERANCE, AMBIENT TEMPERATURE, ENGINE ON			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.1%	6374.9	90°C	0.0%	140 msec	Pass
2	50%	50.2%	6413.0	90°C	0.0%	230 msec	Pass
3	75%	75.0%	6250.8	90°C	0.0%	200 msec	Pass
4	100%	100.2%	6428.4	90°C	0.0%	190 msec	Pass

THROTTLE CONTROL SYSTEM CONDITION:				SEVERANCE, AMBIENT TEMPERATURE, ENGINE OFF			
TEST NO.	NOMINAL THROTTLE POSITION	ACTUAL THROTTLE POSITION	ENGINE RPM	ENGINE COOLANT TEMPERATURE	THROTTLE POSITION SENSOR READING AT IDLE	TIME TO RETURN TO IDLE	PASS /FAIL
1	25%	25.0%				180 msec	Pass
2	50%	50.0%				250 msec	Pass
3	75%	74.9%				290 msec	Pass
4	100%	100.2 %				180 msec	Pass

RETURN TIME REQUIREMENTS:

1 second (1000 msec) for vehicles less than 4536 kg.

2 seconds (2000 msec) for vehicles more than 4536 kg.

3 seconds (3000 msec) for vehicle exposed to -18°C or less.

TEST STATUS:	PASSED —	x	FAILED —	
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RECORDED BY: KEITH G. NOGUEIRA

DATE: 06/07/05

APPROVED BY: MATTHEW A. IVORY

DATE: 06/07/05

APPENDIX A
PHOTOGRAPHS

A-1

TRIP2500B-02-NC



2005 CHEVROLET AVEO
NHTSA NO. G50105
FMVSS NO. 124

Figure A-1: Front View of Vehicle



2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-2: Left Side View of Vehicle



2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-3: Right Side View of Vehicle

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Figure A-4: Vehicle's Certification Label

2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124



2005 CHEVROLET AVEO

SEATING CAPACITY: 5 (DRIVER + 4 PASSENGERS)

The combined weight of occupants and cargo should never exceed 1,500 lbs (680 kg).

ORIGINAL TIRE SIZE	COLD INFLATION PRESSURE	
P165/65R14-82H	FRONT	210KPA (30PSI)
	REAR	210KPA (30PSI)
COMPACT SPARE TIRE	COLD INFLATION PRESSURE	
T105/70R14	210KPA (30PSI)	

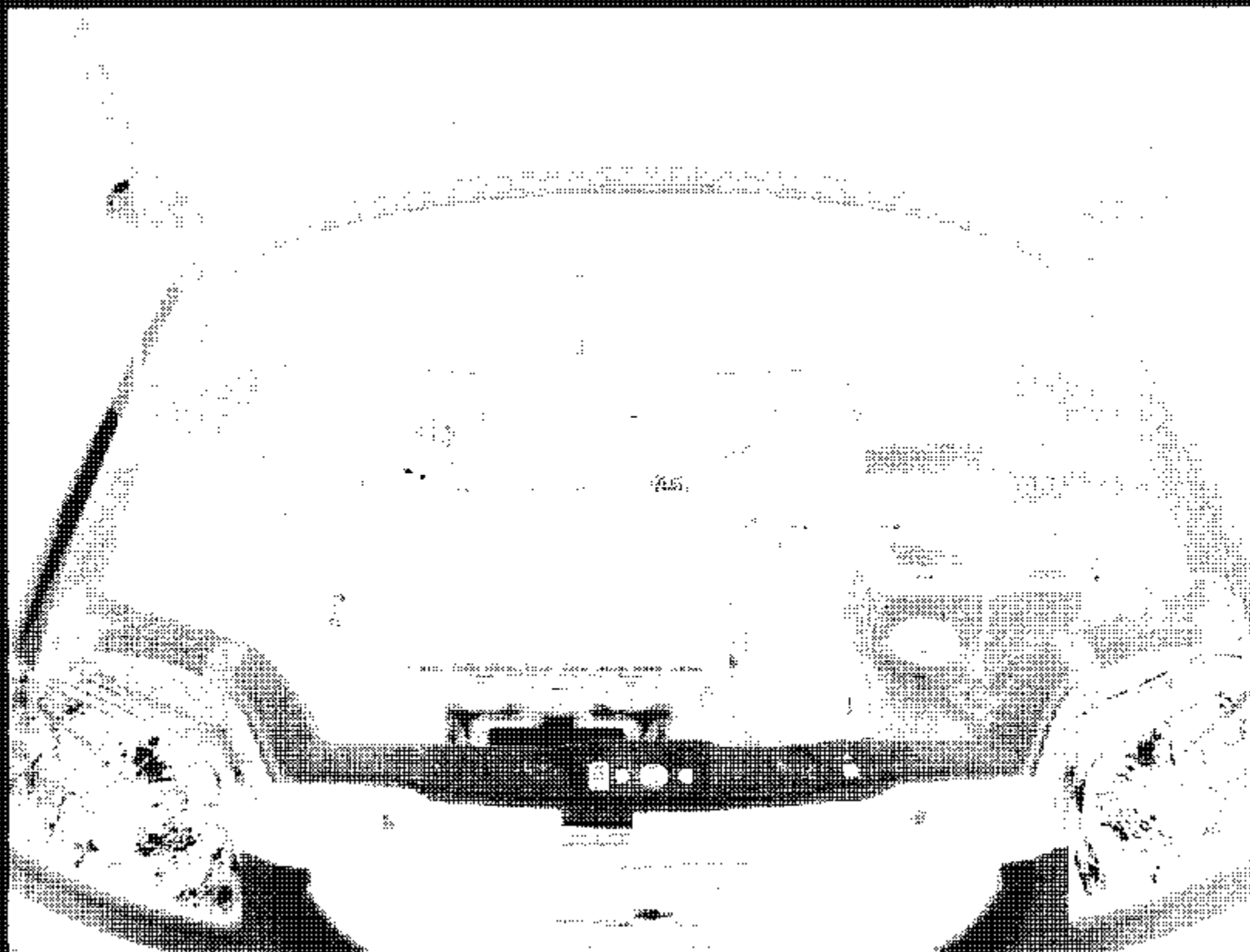
Call 1-800-

2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-5: Vehicle's Tire Information Label

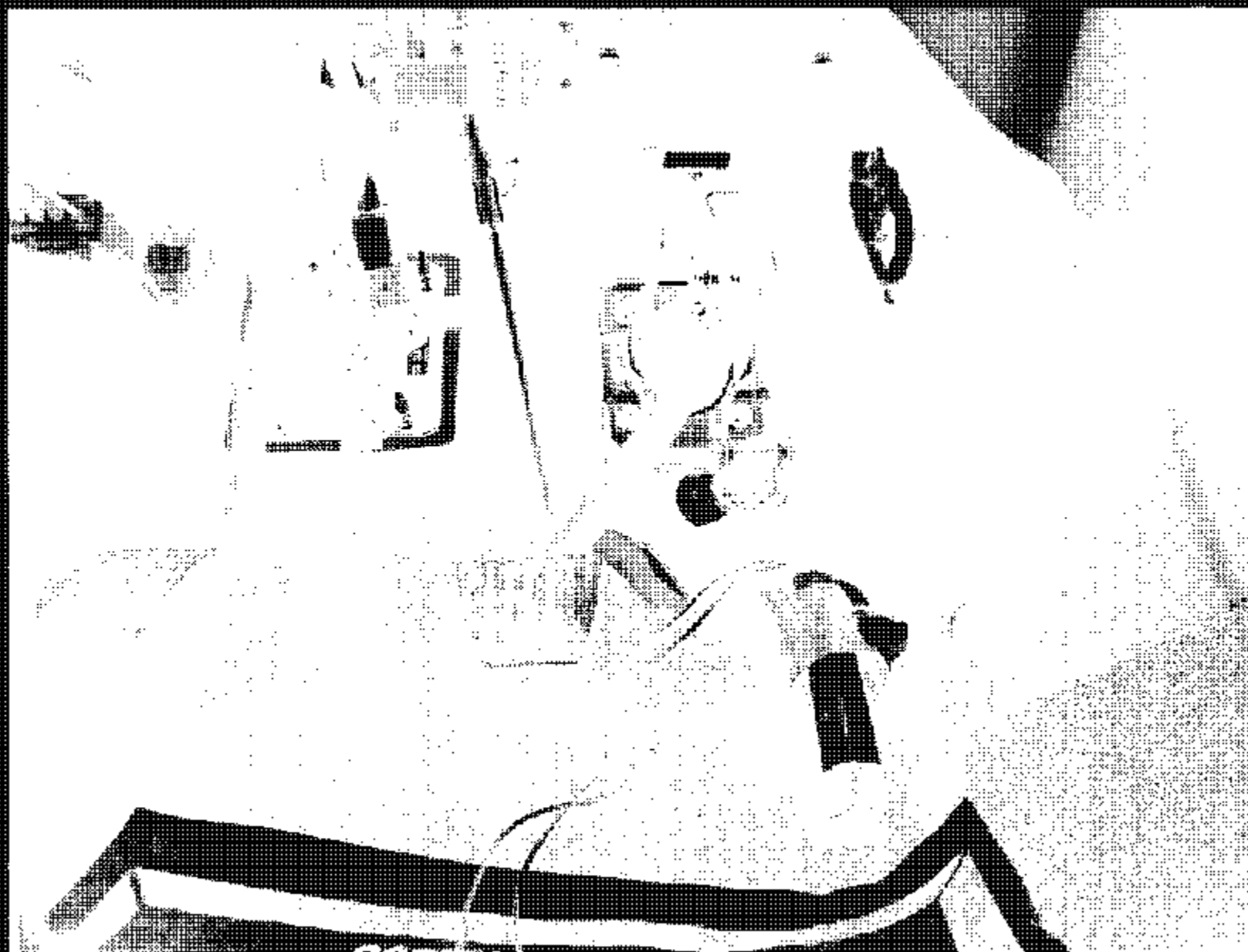
A-5

TR-P25008-02-NC



2005 CHEVROLET AVEO
NHTSA NO. C60105
FMVSS NO. 124

Figure A-6: Vehicle's Engine Compartment

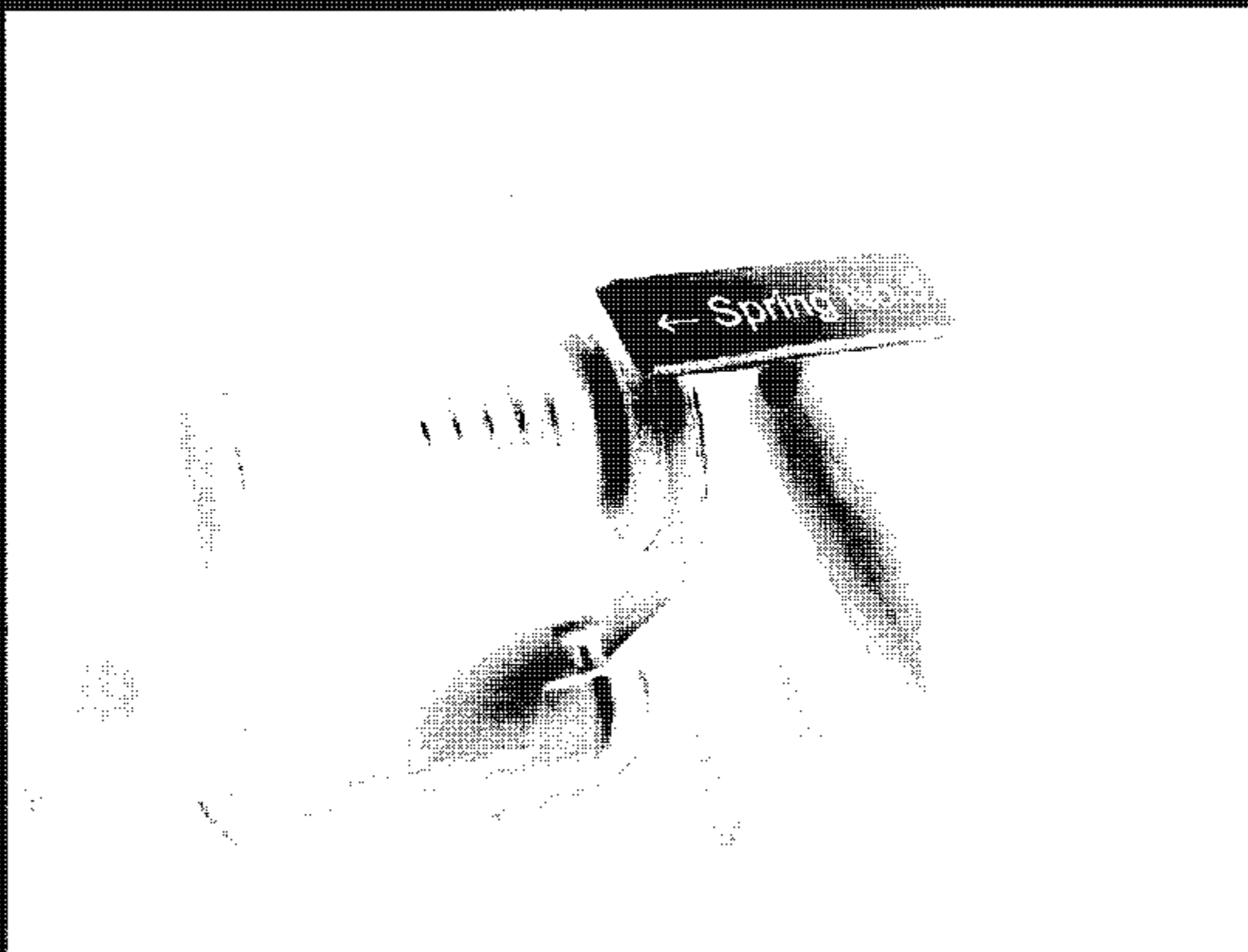


2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-7: Vehicle's Accelerator Pedal Assembly



2005 CHEVROLET AVEO Figure A-8: Spring 1 and 2 Located on Vehicle's Accelerator Control System (Throttle Body)
NHTSA NO. C50105
FMVSS NO. 124

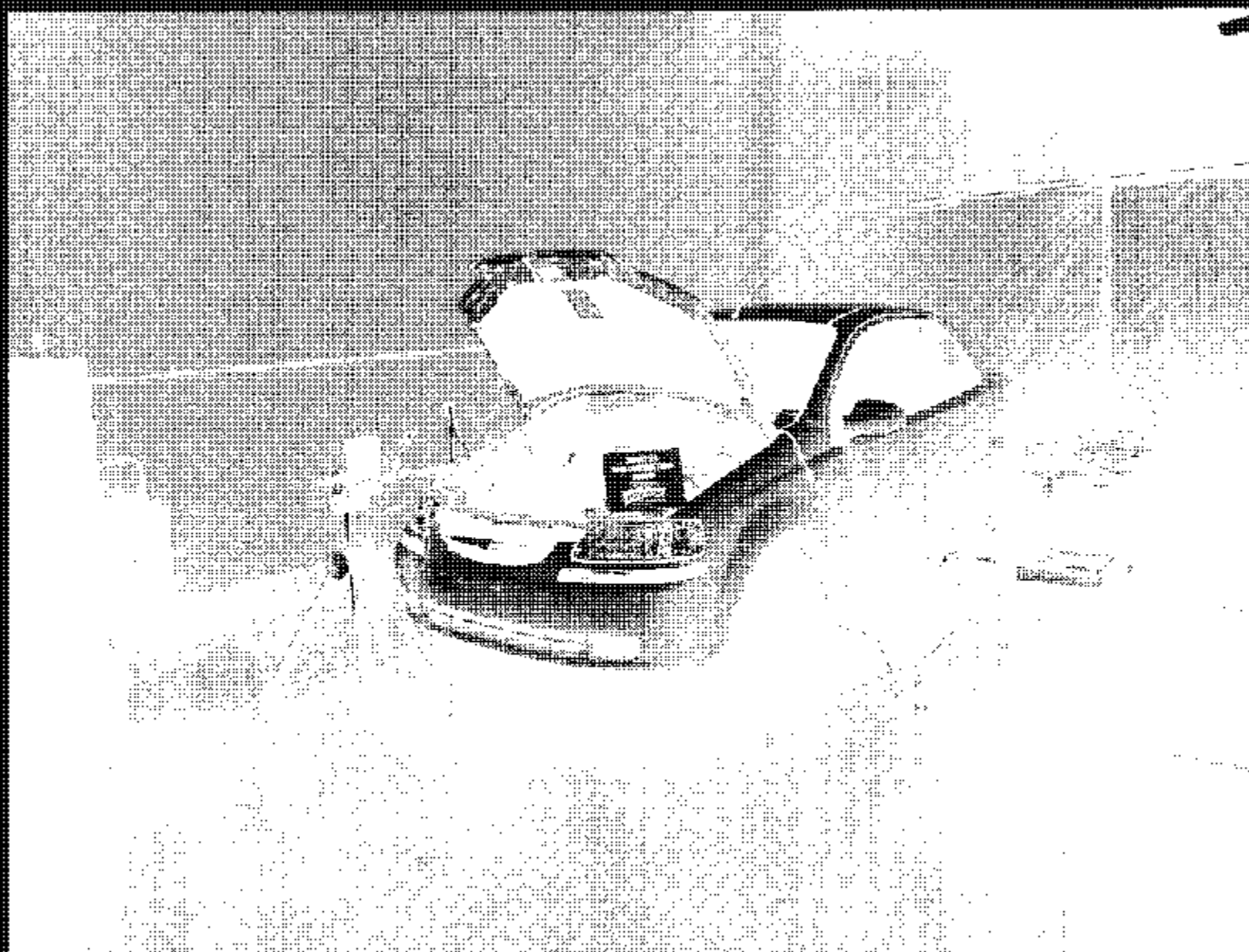


2006 CHEVROLET AVEO Figure A-9: Spring 3 Located on Vehicle's Accelerator Control System (Accelerator Pedal)
NHTSA NO. C60106
FMVSS NO. 124



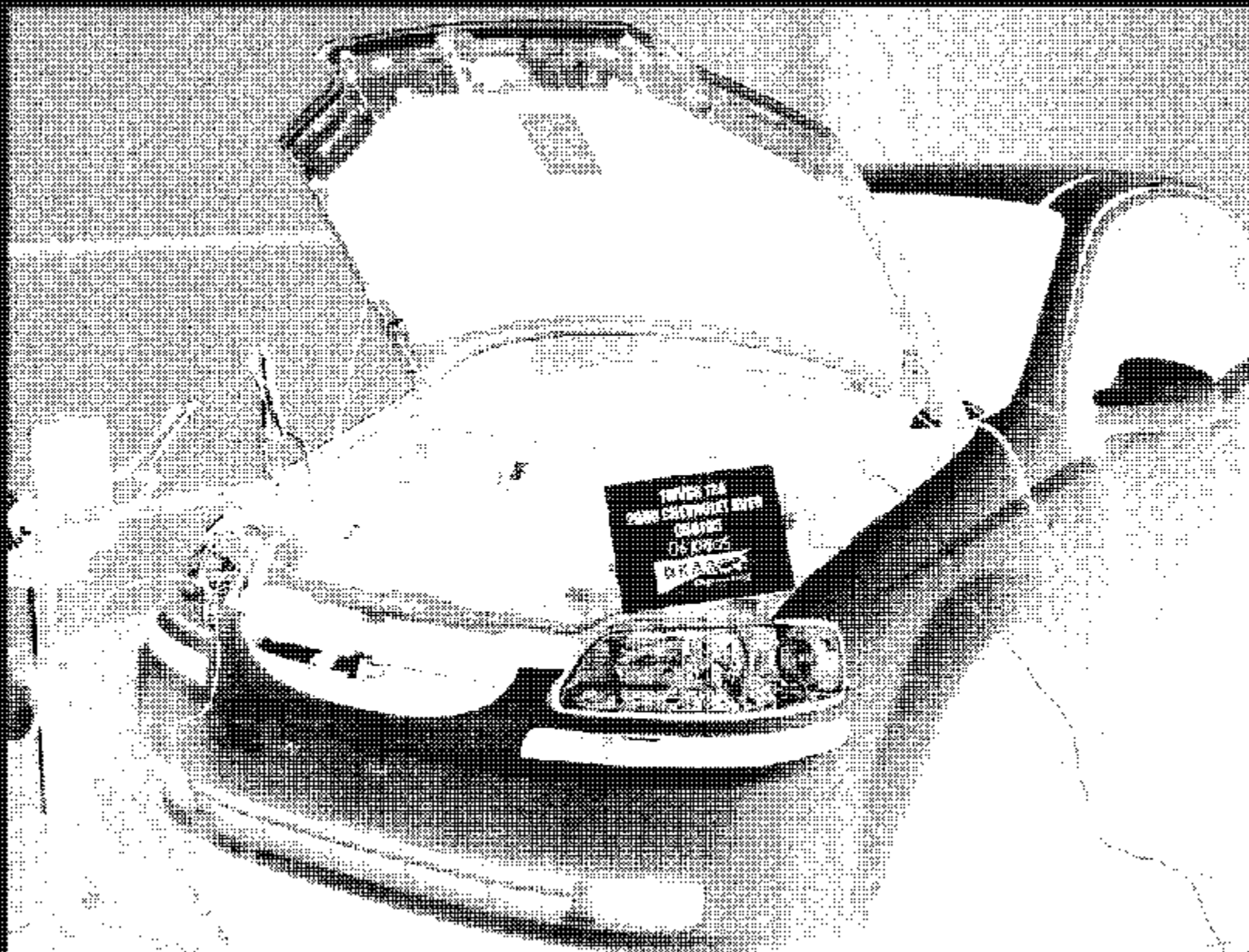
2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-10: Throttle Plate Sensor Located on Vehicle's Accelerator Control System



2005 CHEVROLET AVEO
NHTSA NO. C60106
FMVSS NO. 124

Figure A-11: Overall View of Vehicle's Test Setup



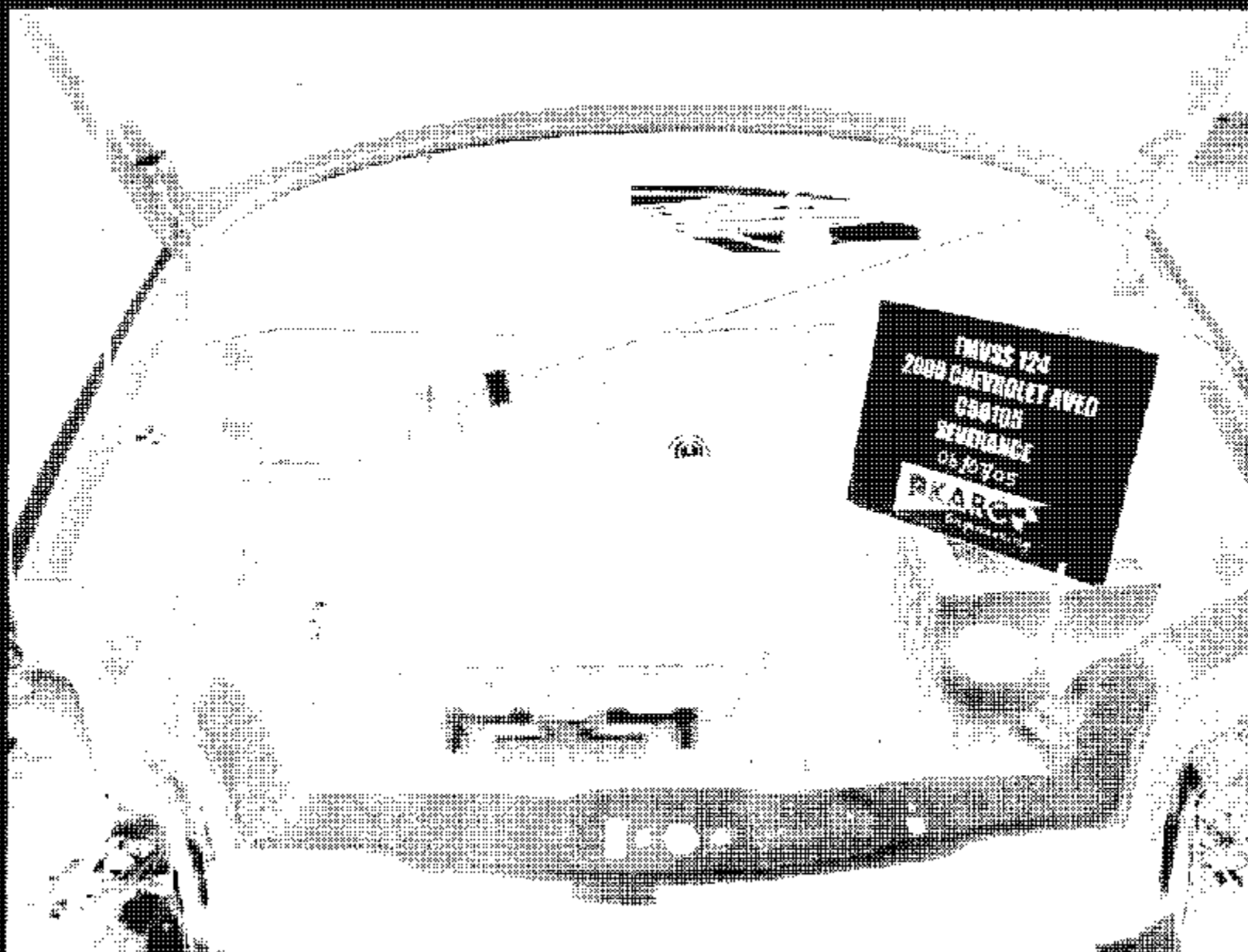
2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-12: Close-Up View of Vehicle's Test Setup



2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-13: Instrumentation

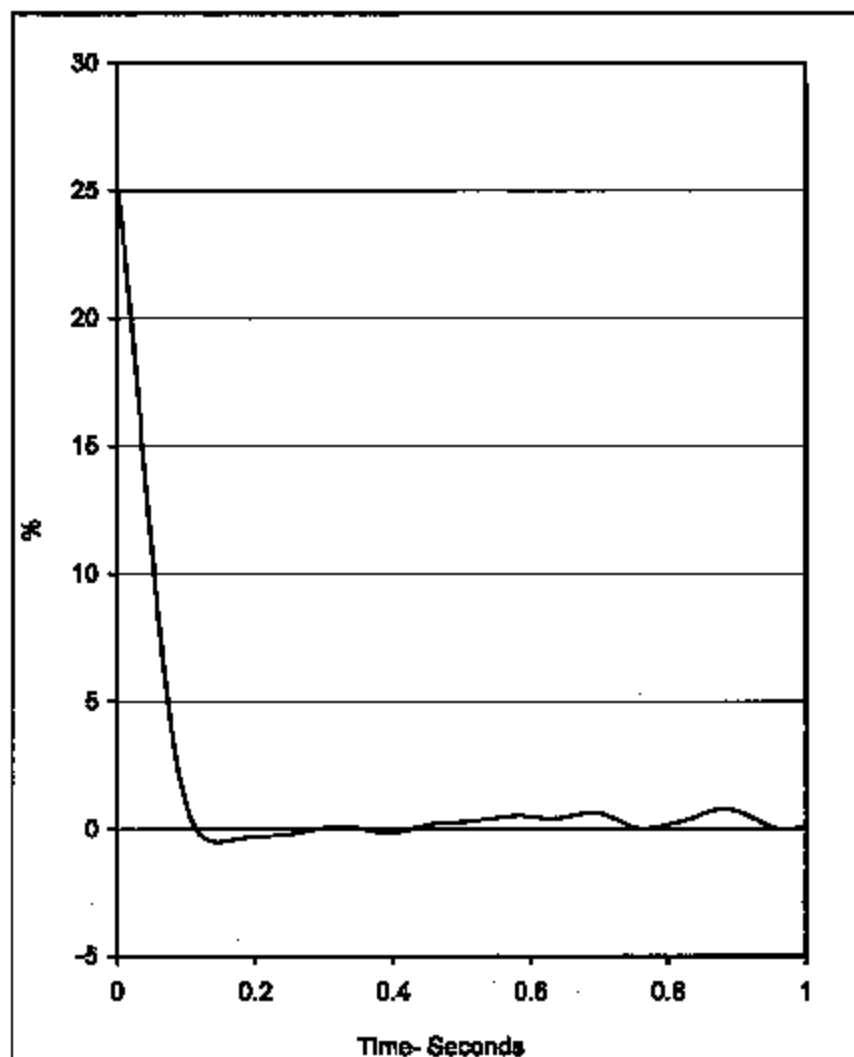


2005 CHEVROLET AVEO
NHTSA NO. C50105
FMVSS NO. 124

Figure A-14. Severance of Throttle Body

APPENDIX B
DATA PLOTS

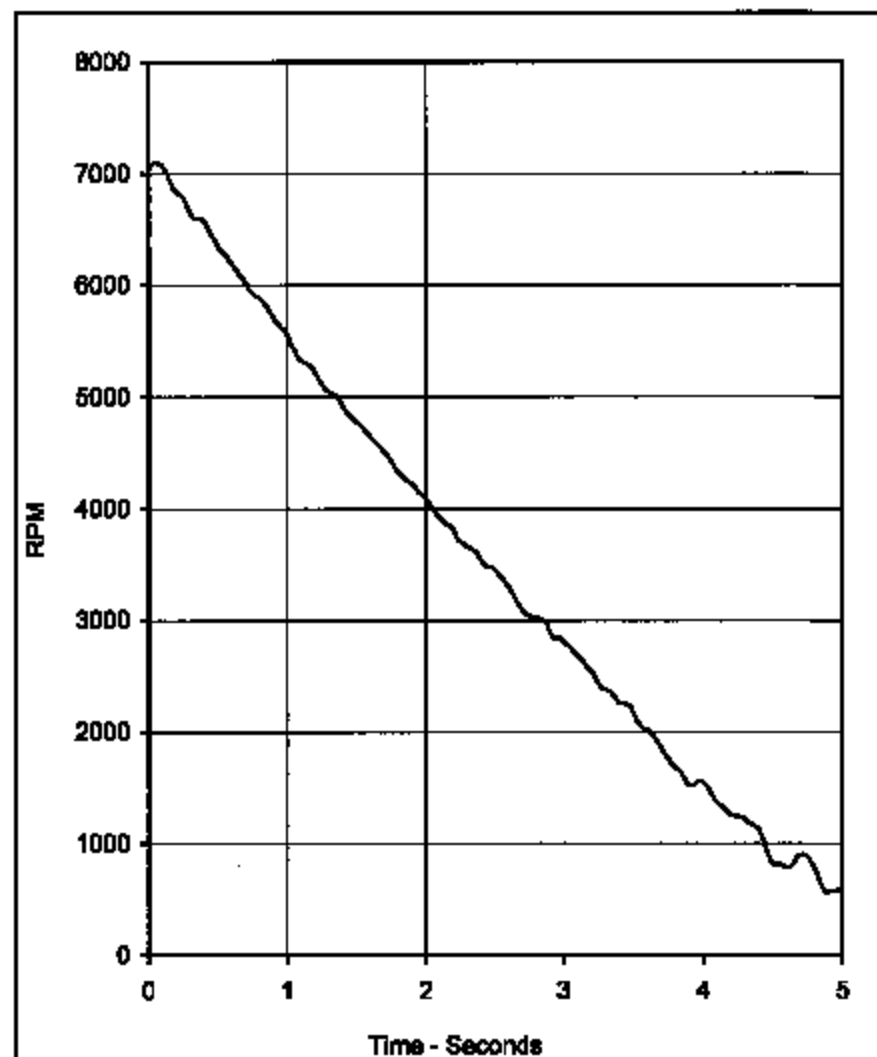
B-1



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.0	0.0	110.0	5

Test Program: FMVSS 124 (Normal Operation)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	7104.1	0.1	554.0	4.9	6

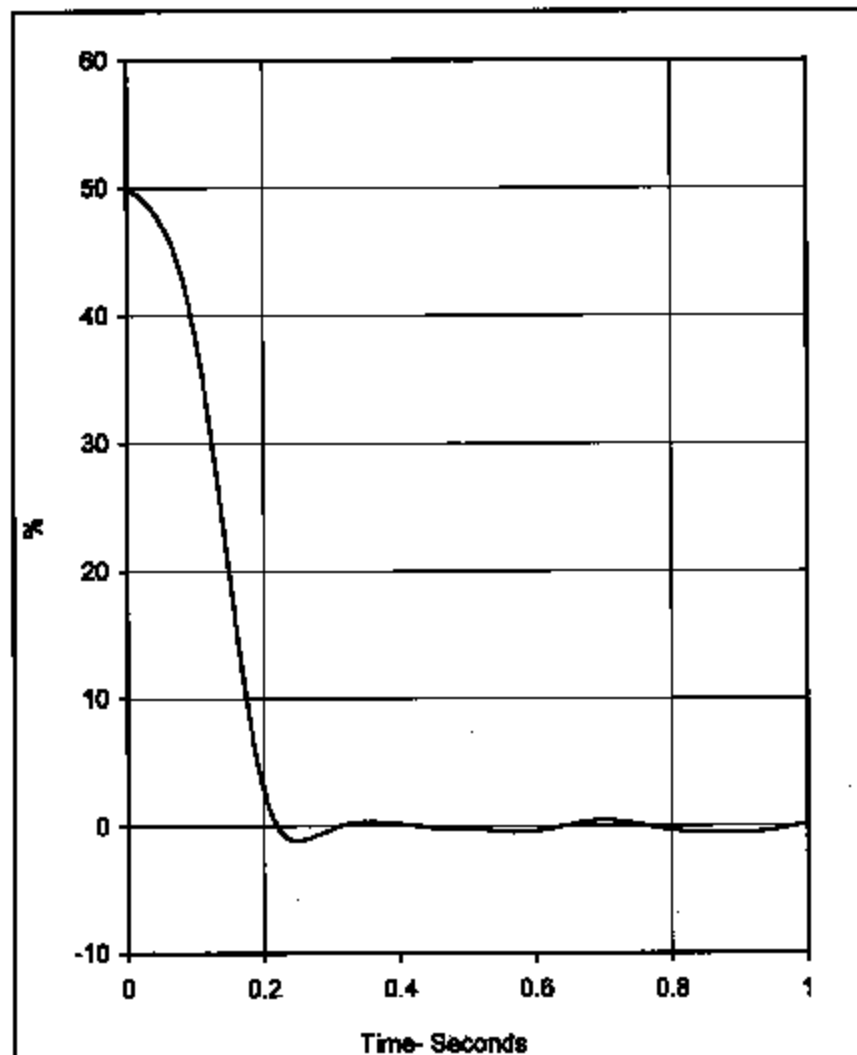
Test Date: 06/07/06
 NHTSA No.: C50105



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TR-P26009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

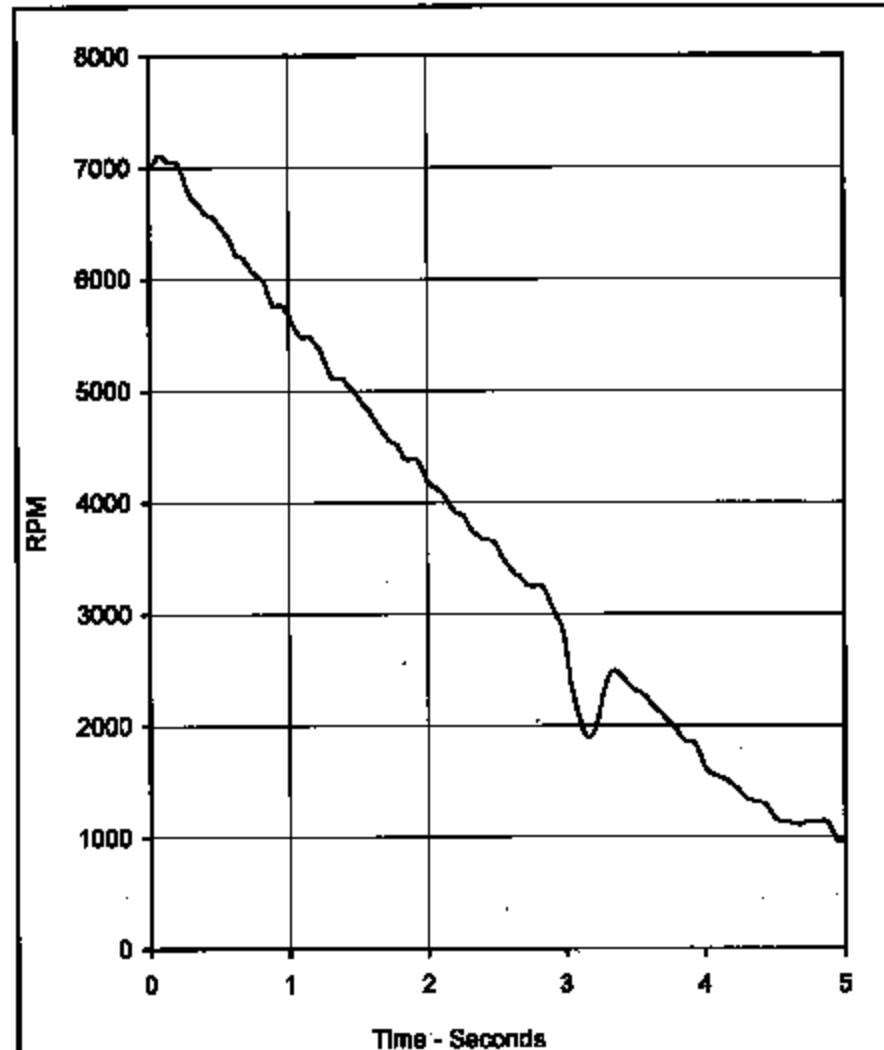
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	50.0	0.0	220.0	5

Test Program:

FMVSS 124 (Normal Operation)

Test Vehicle:

2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	7106.6	0.1	958.0	5.0	5

Test Date:

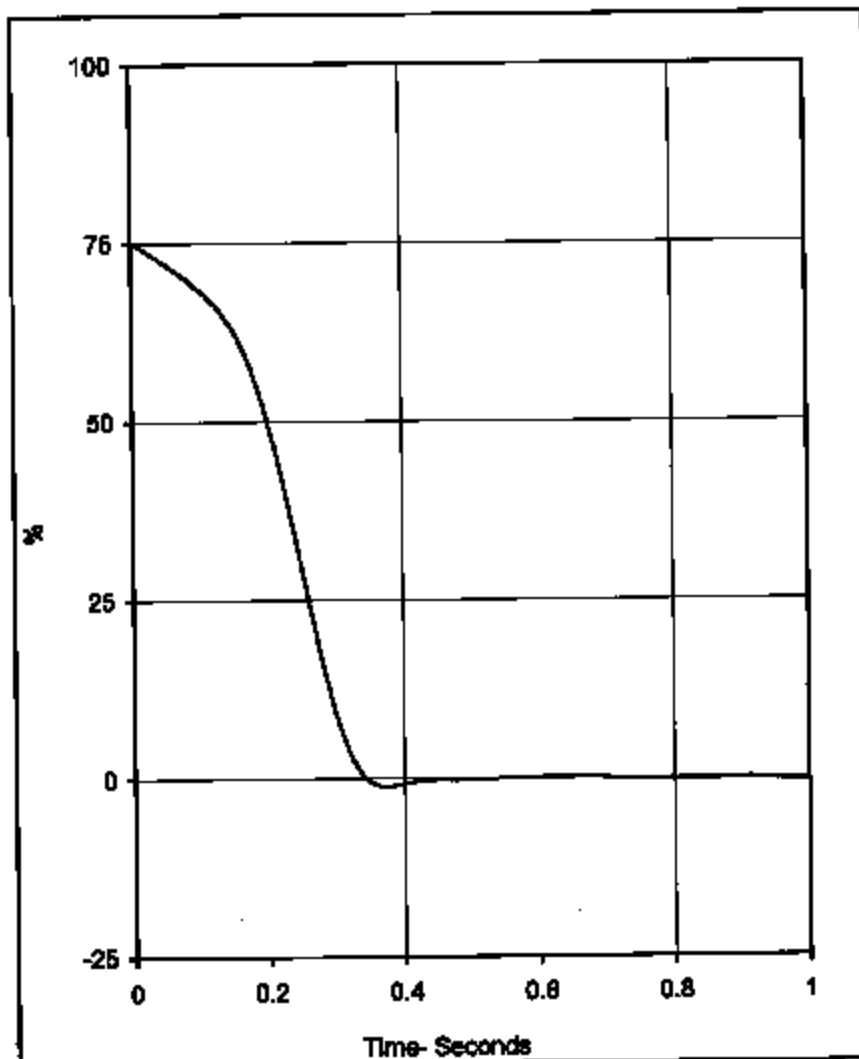
08/07/05

NHTSA No.:

C60105



B-3



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

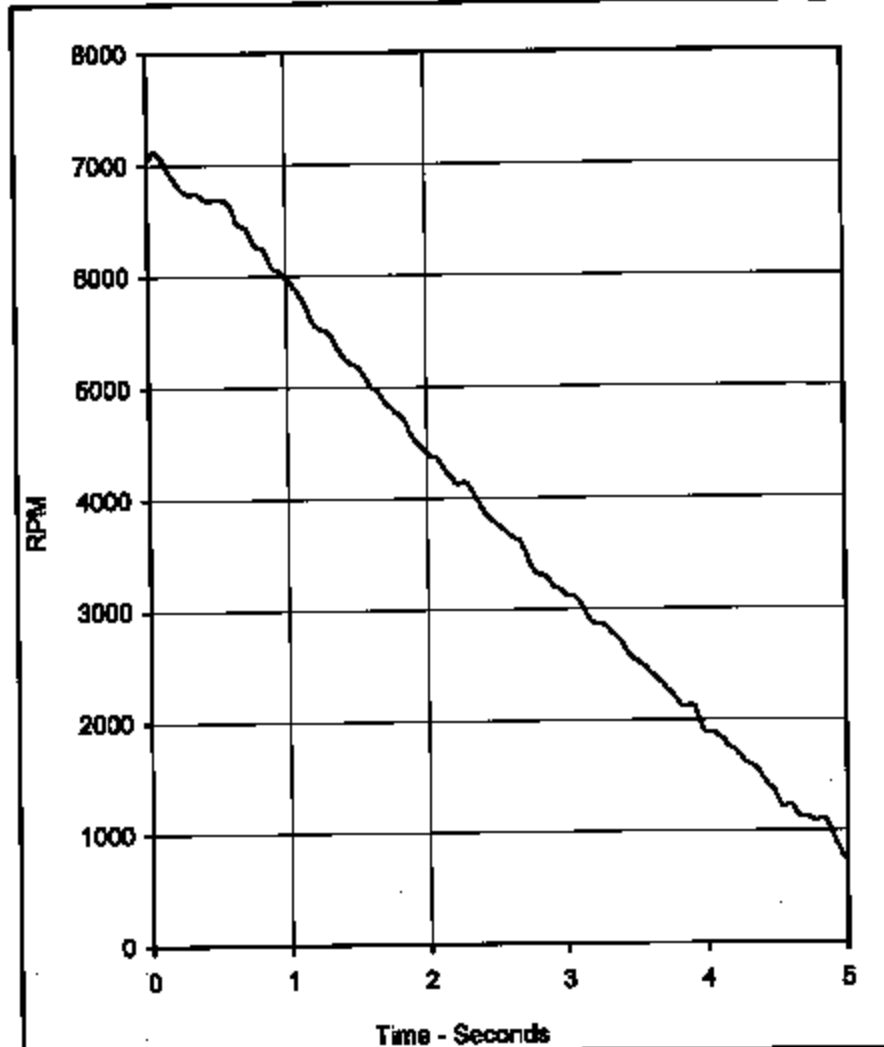
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.1	0.0	340.0	5

Test Program:

FMVSS 124 (Normal Operation)

Test Vehicle:

2006 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	7120.6	0.1	750.9	5.0	5

Test Date:

06/07/05

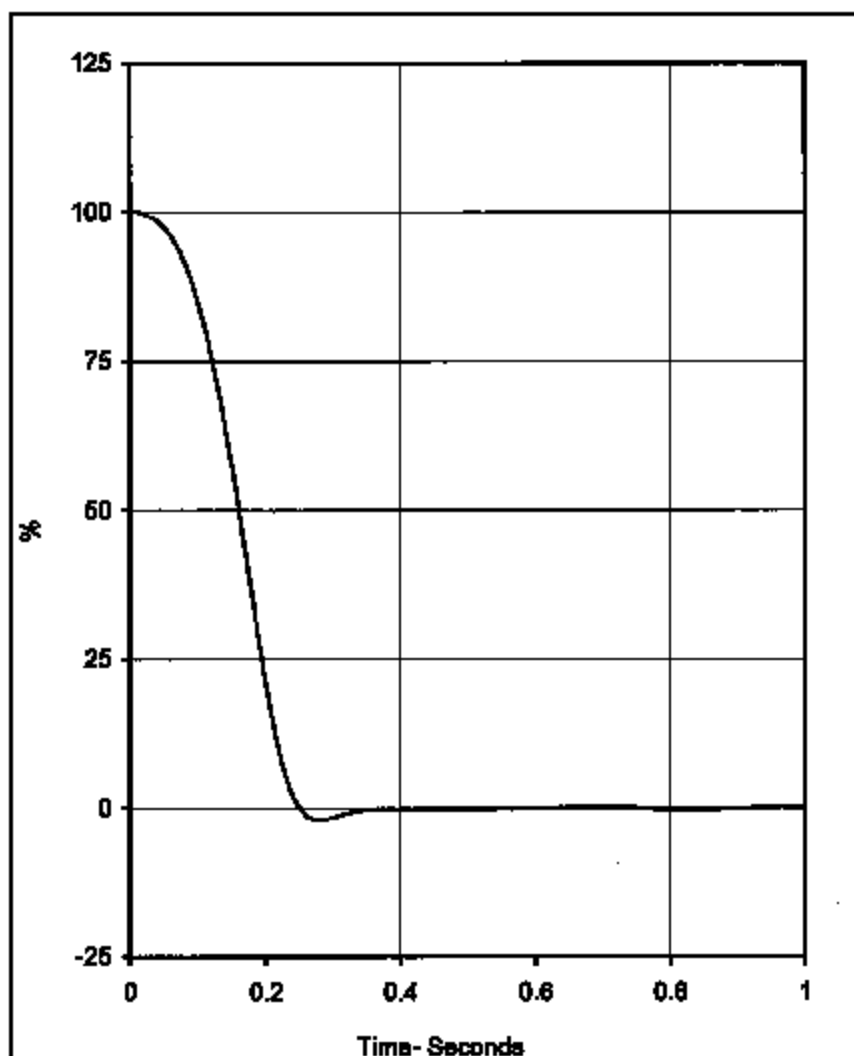
NHTSA No.:

C50105



TR-P26008-02-NC

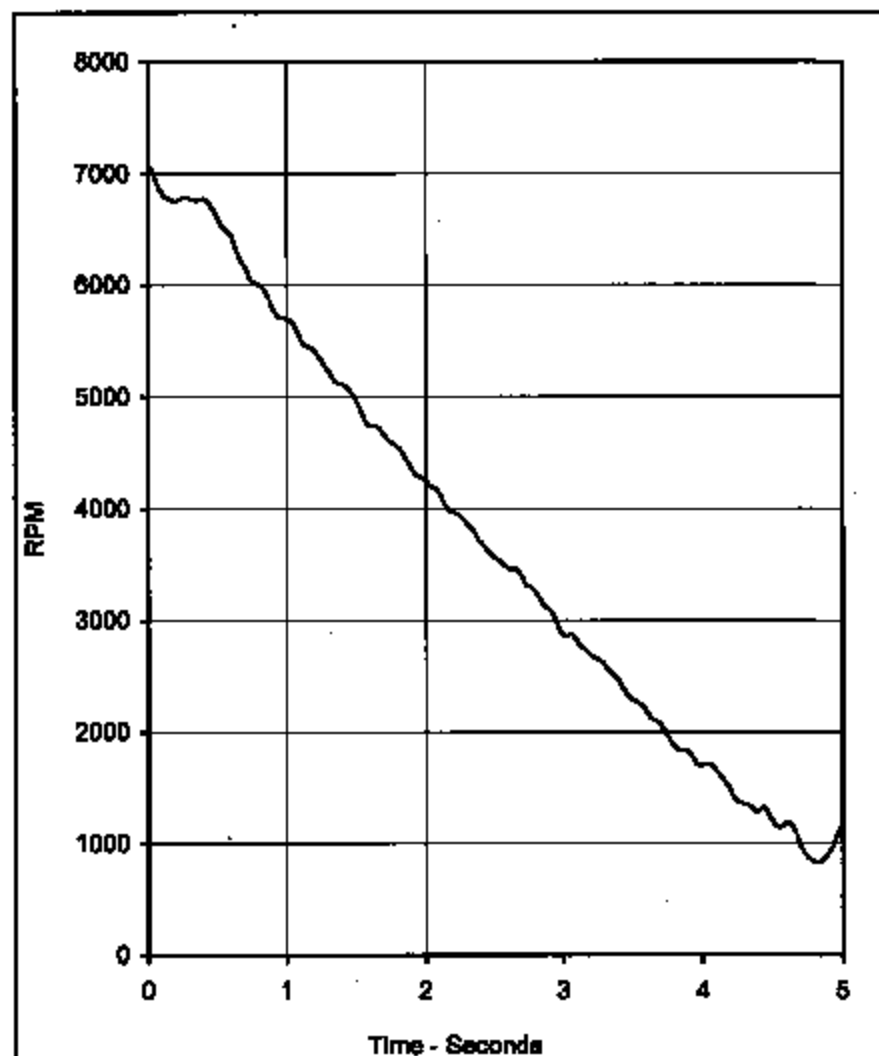
B-4



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	250.0	5

Test Program: FMVSS 124 (Normal Operation)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	7064.2	0.0	831.6	4.8	5

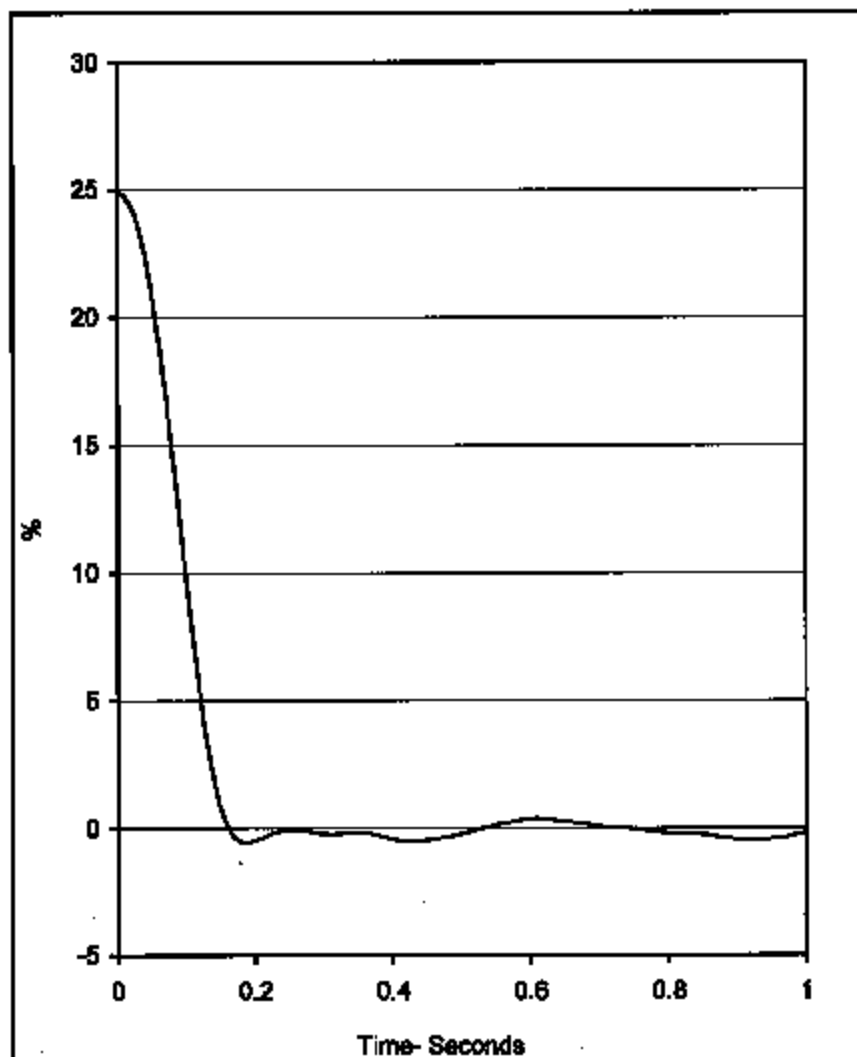
Test Date: 06/07/06
 NHTSA No.: C50105



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TR-P25009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

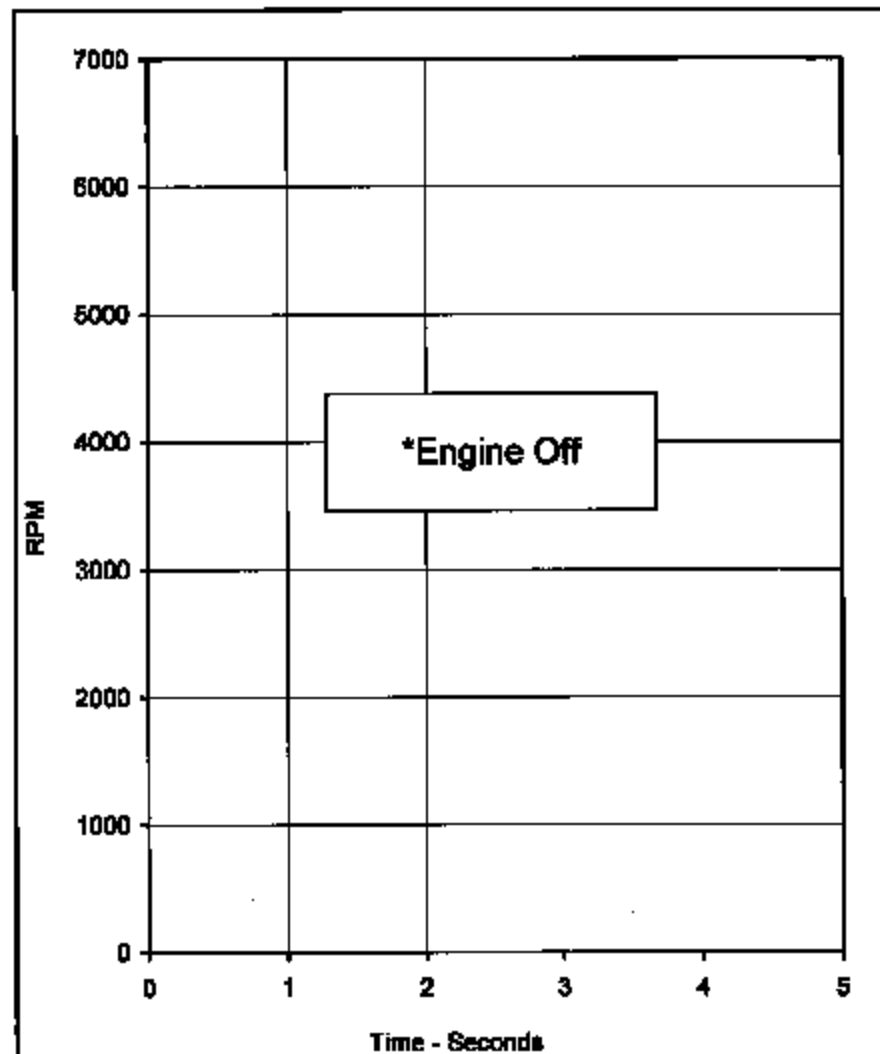
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.0	0.0	160.0	5

Test Program:

FMVSS 124 (Normal Operation)

Test Vehicle:

2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:

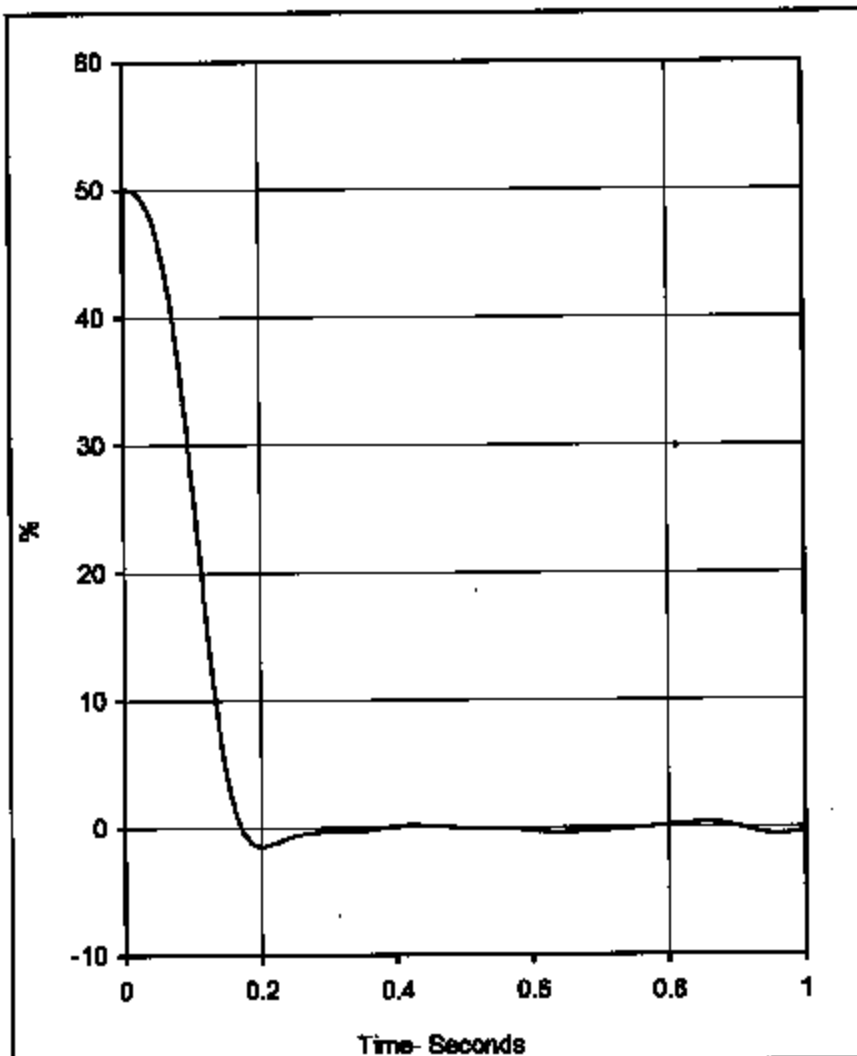
08/07/05

NHTSA No.:

C50105



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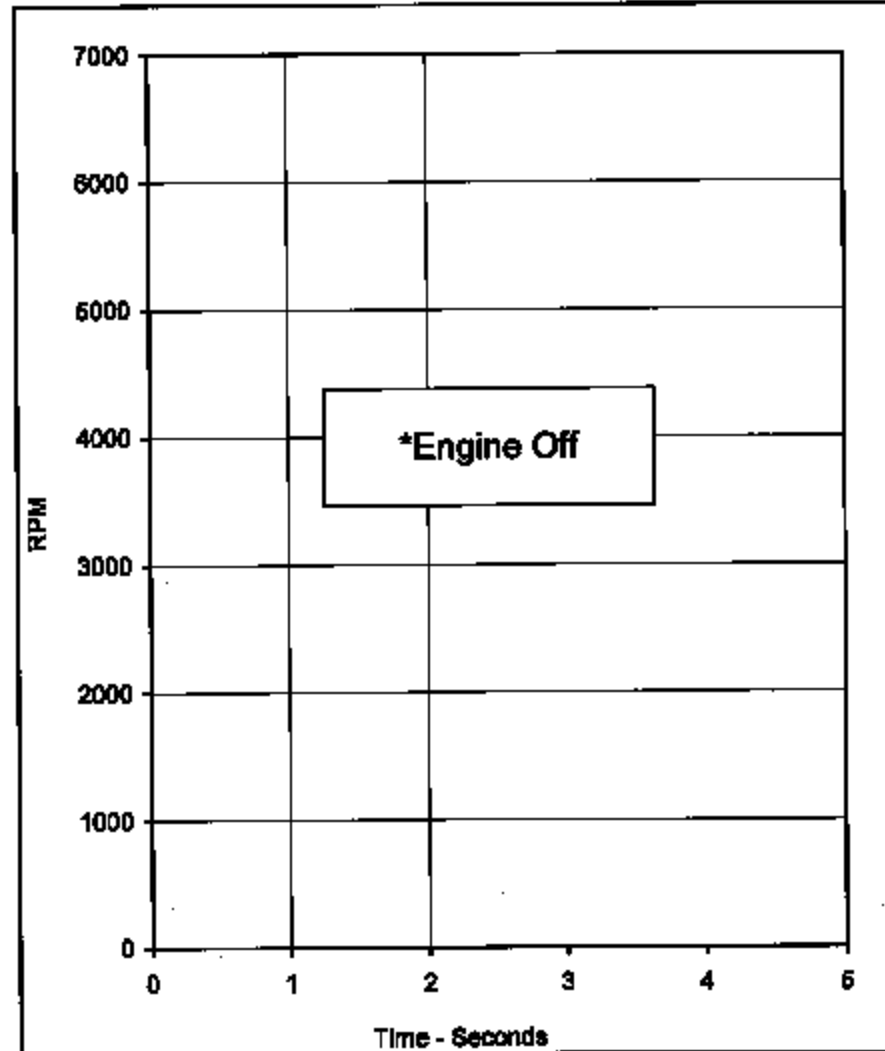


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	50.1	0.0	170.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Normal Operation)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

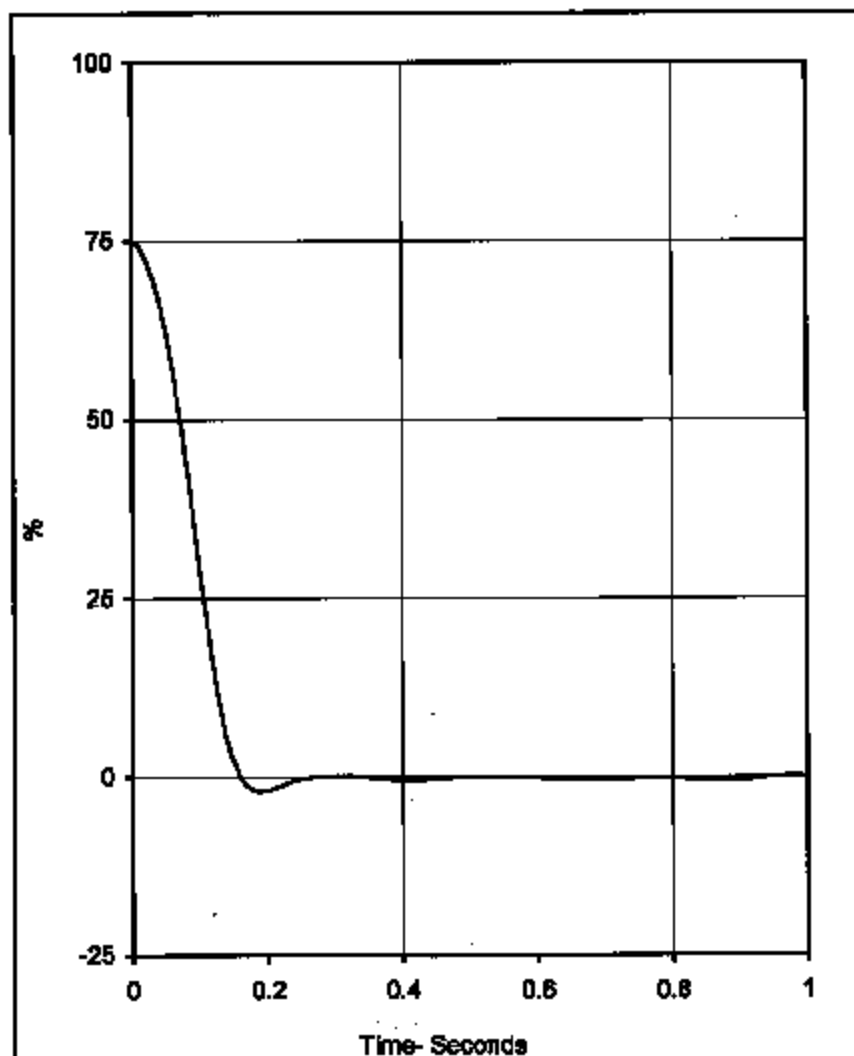
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date: 06/07/05
NHTSA No.: C50106



TR-P25009-02-NC

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Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

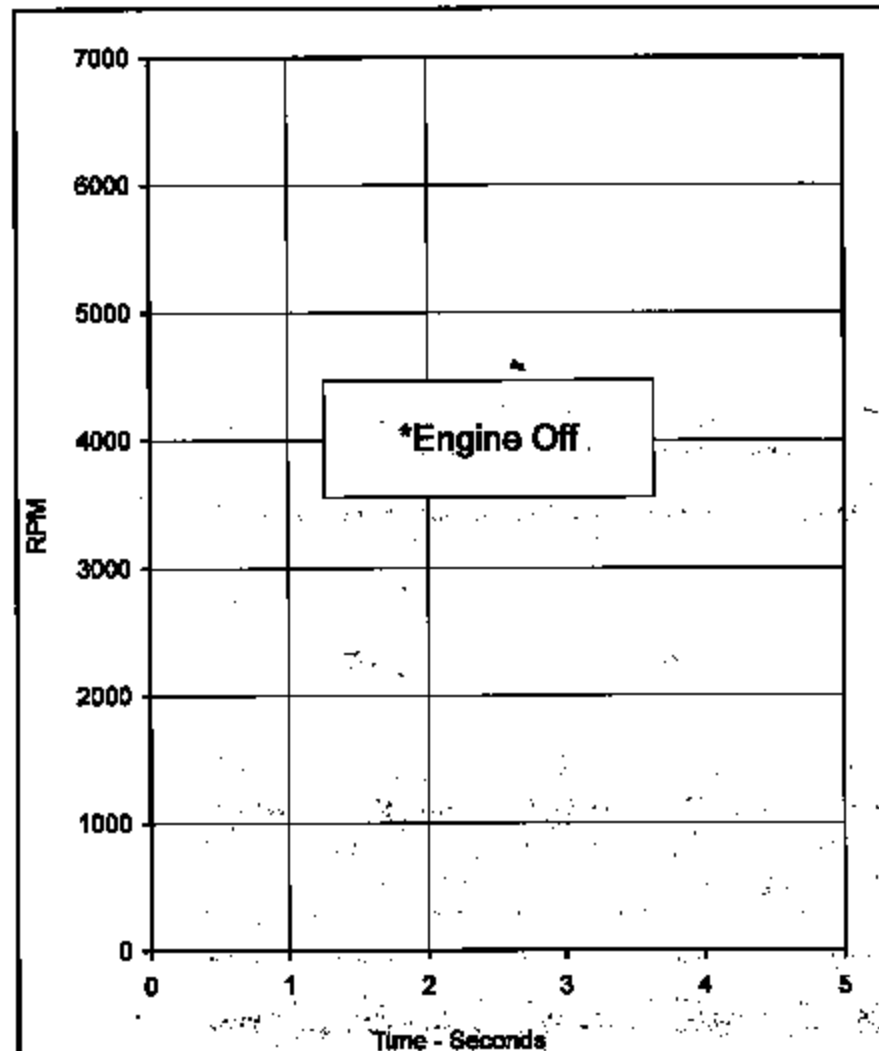
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.2	0.0	160.0	5

Test Program:

FMVSS 124 (Normal Operation)

Test Vehicle:

2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:

06/07/05

NHTSA No.:

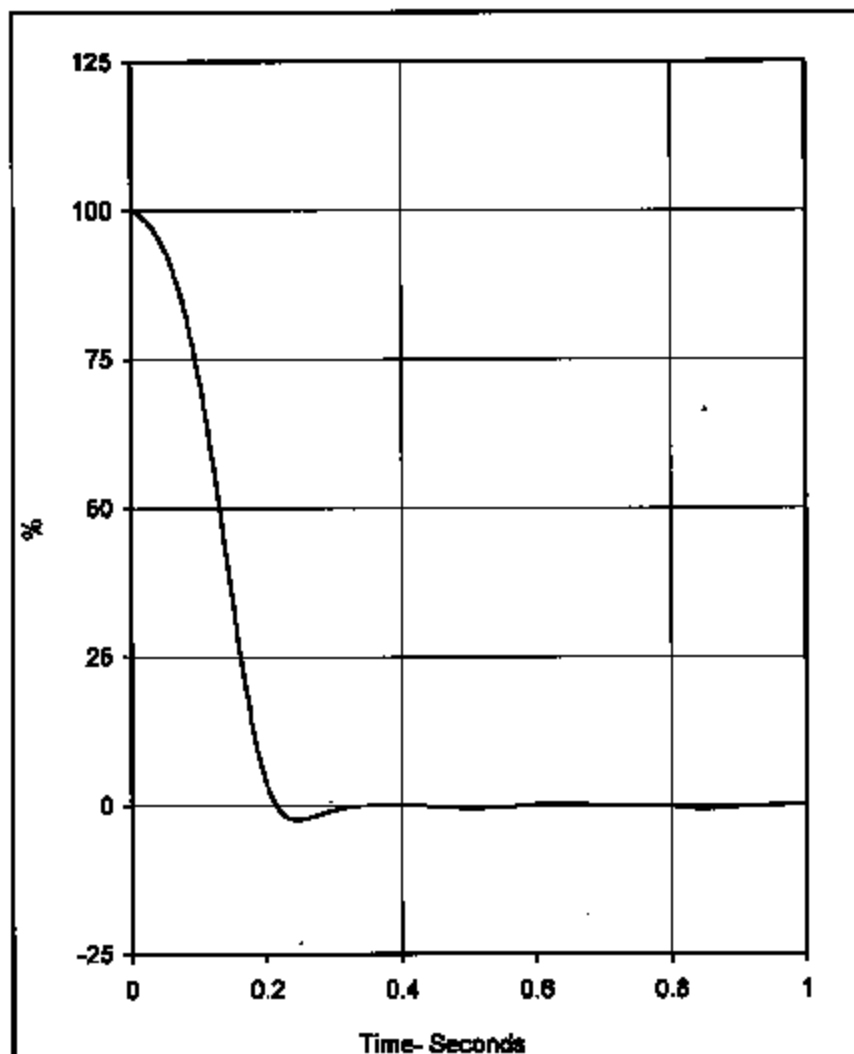
C60105



TR-P26009-02-NC

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TR-P25009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

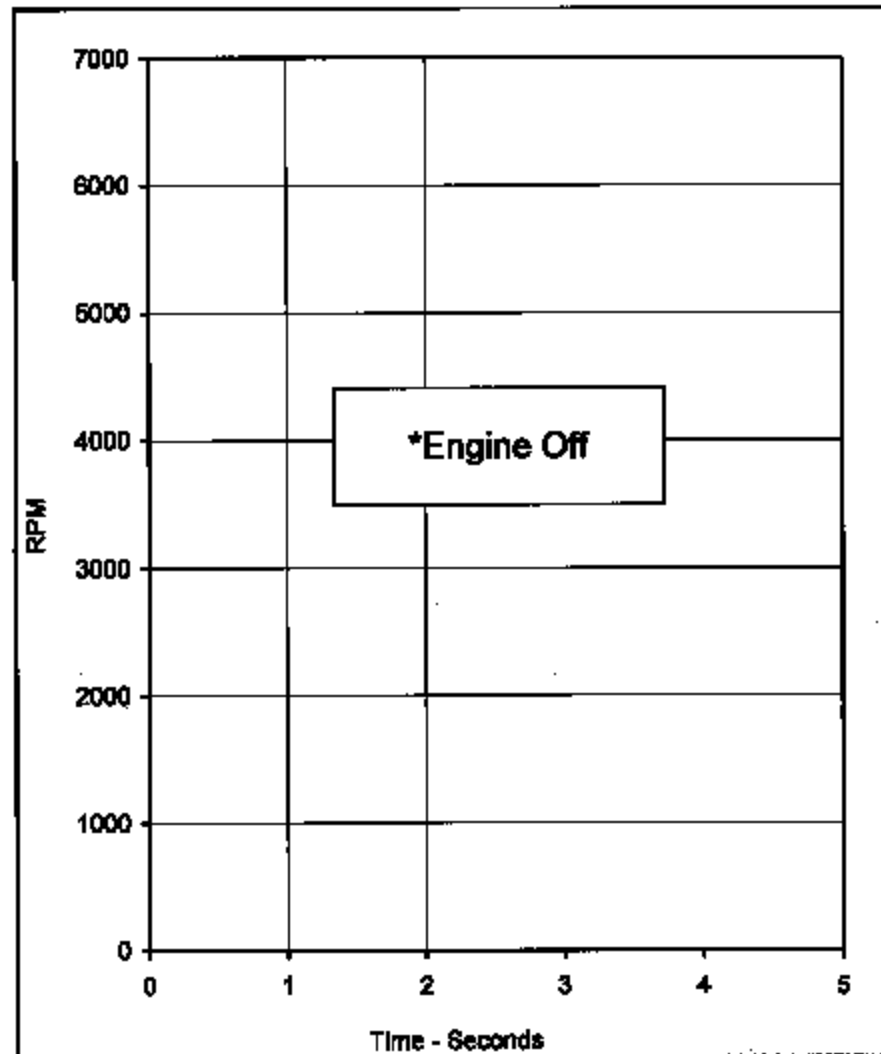
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.0	0.0	220.0	5

Test Program:

FMVSS 124 (Normal Operation)

Test Vehicle:

2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

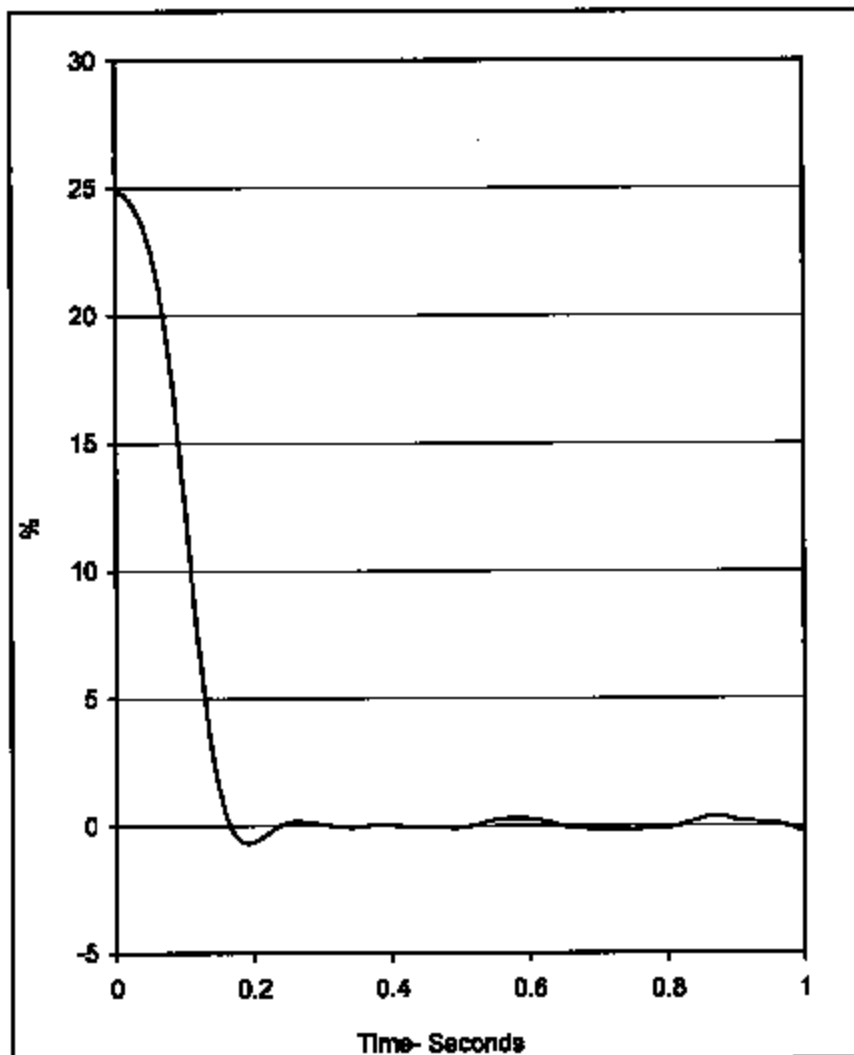
Test Date:

06/07/05

NHTSA No.:

C60105

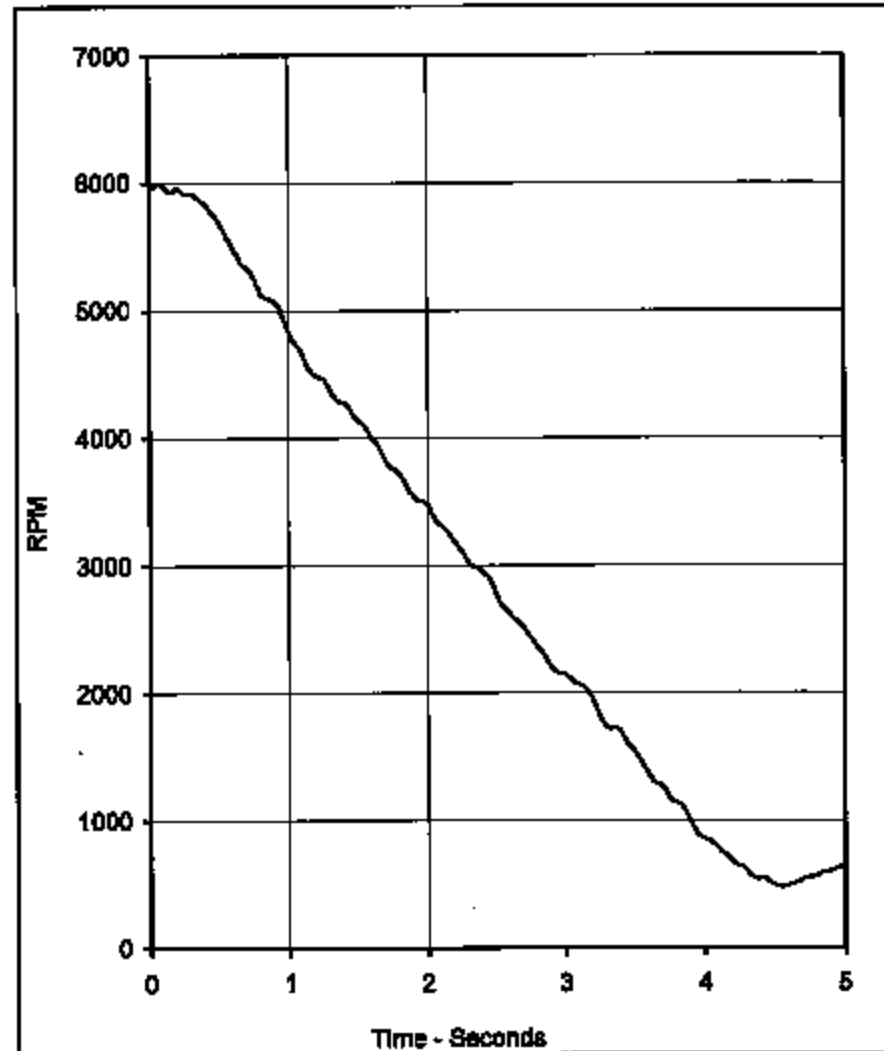




Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	24.9	0.0	180.0	5

Test Program: FMVSS 124 (Spring #1 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

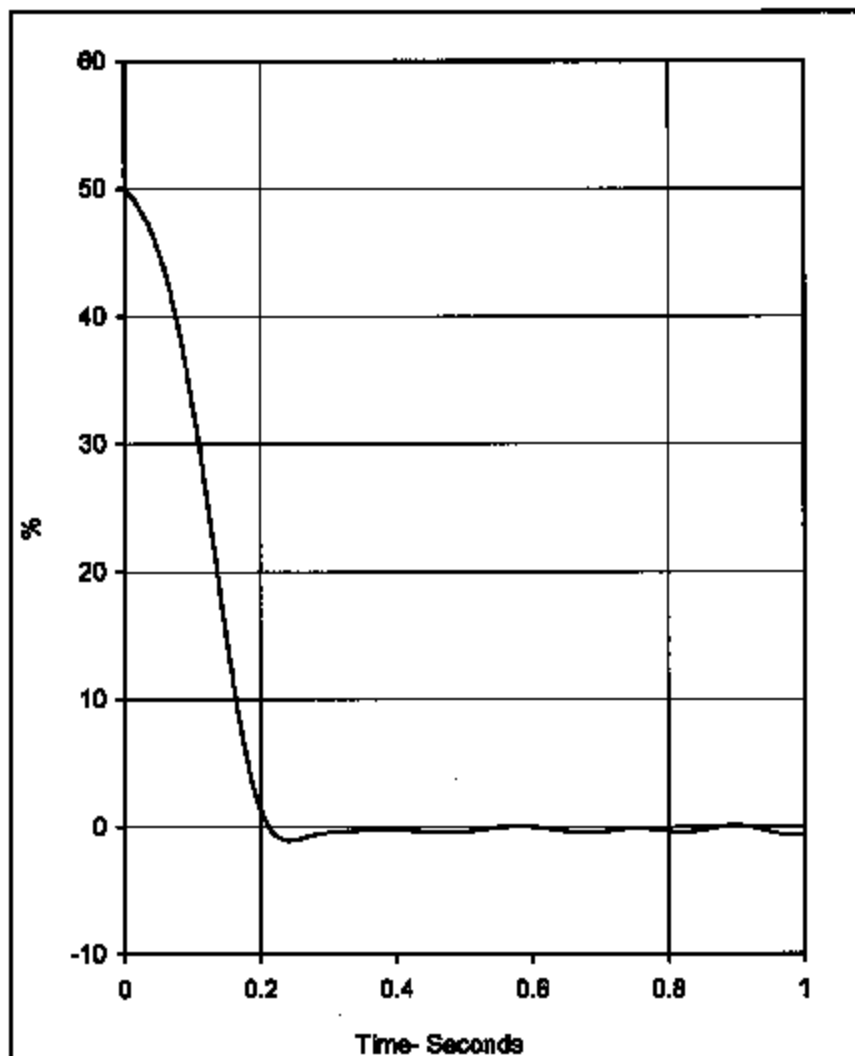
Units	Max	Time	Min	Time	Filter (Hz)
RPM	8001.8	0.1	474.4	4.6	5

Test Date: 06/07/05
 NHTSA No.: C50105



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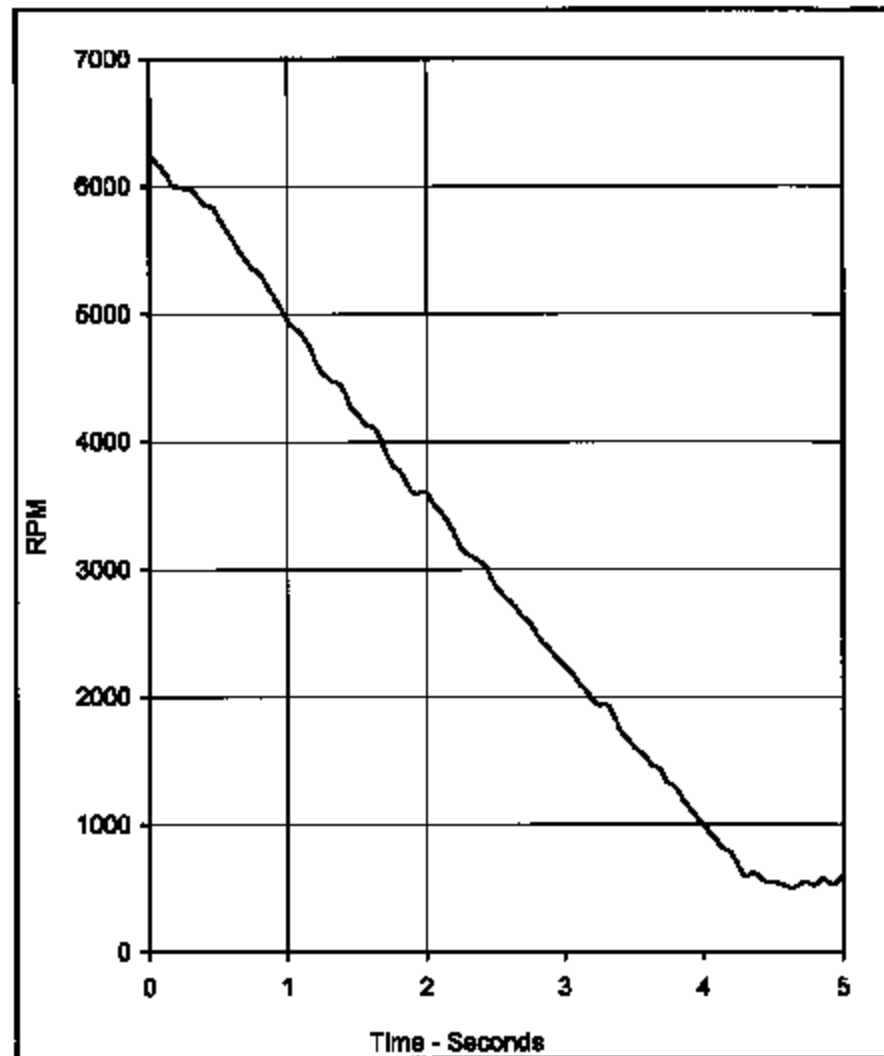
TR-P26009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	50.0	0.0	210.0	5

Test Program: FMVSS 124 (Spring #1 Disconnected)
 Test Vehicle: 2006 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

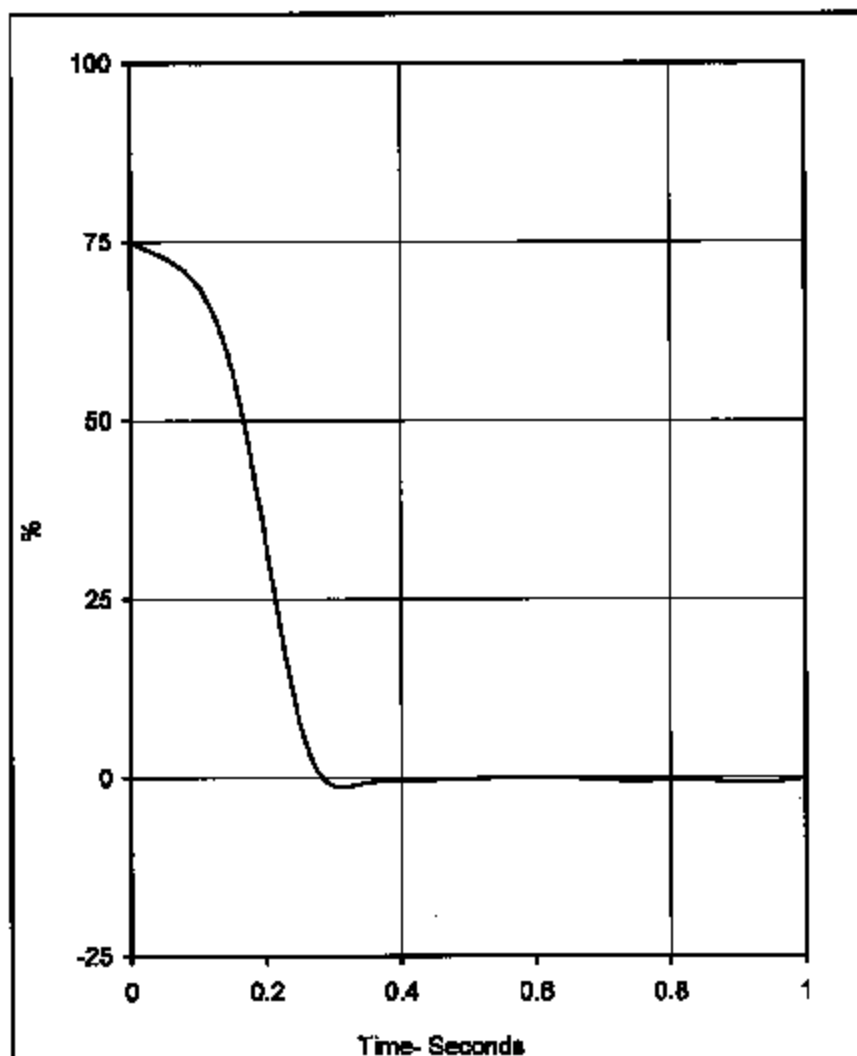
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6230.7	0.0	500.2	4.6	5

Test Date: 06/07/05
 NHTSA No.: C50106



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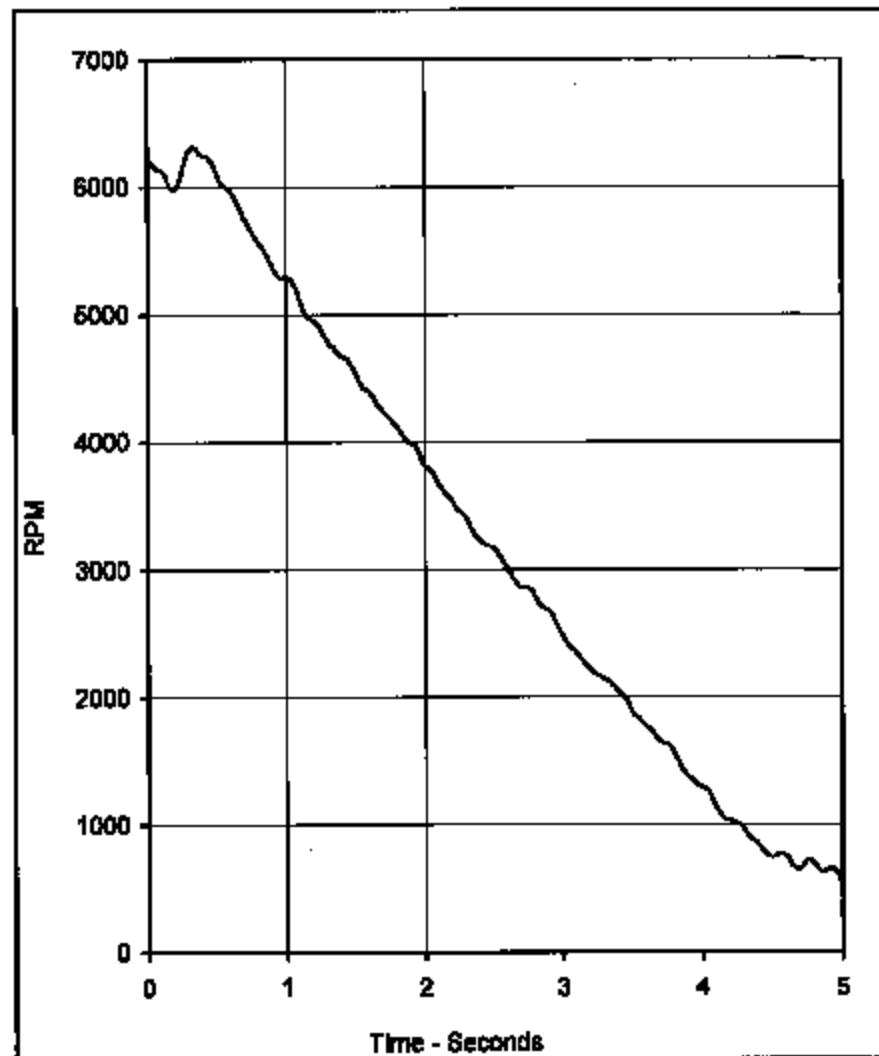
TR-P250DB-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	74.9	0.0	280.0	5

Test Program: FMVSS 124 (Spring #1 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car

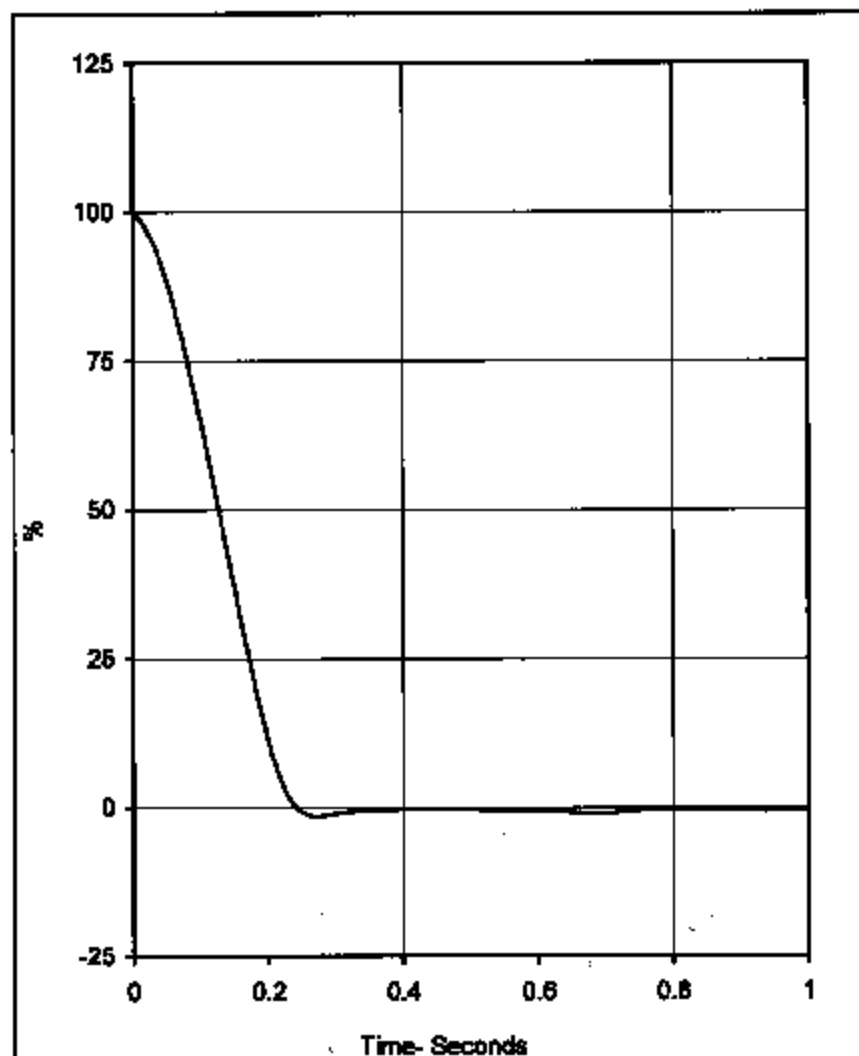


Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6313.2	0.3	562.8	5.0	6

Test Date: 05/07/05
 NHTSA No.: C50105



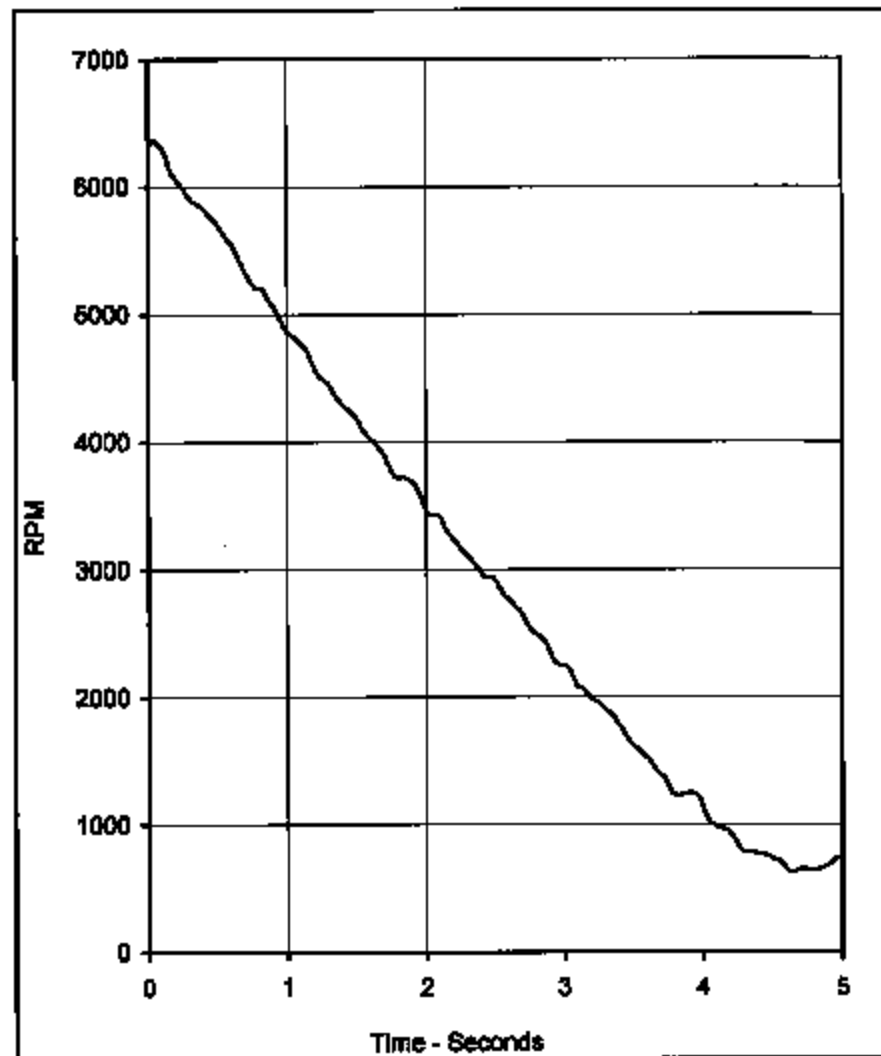


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.0	0.0	240.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #1 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



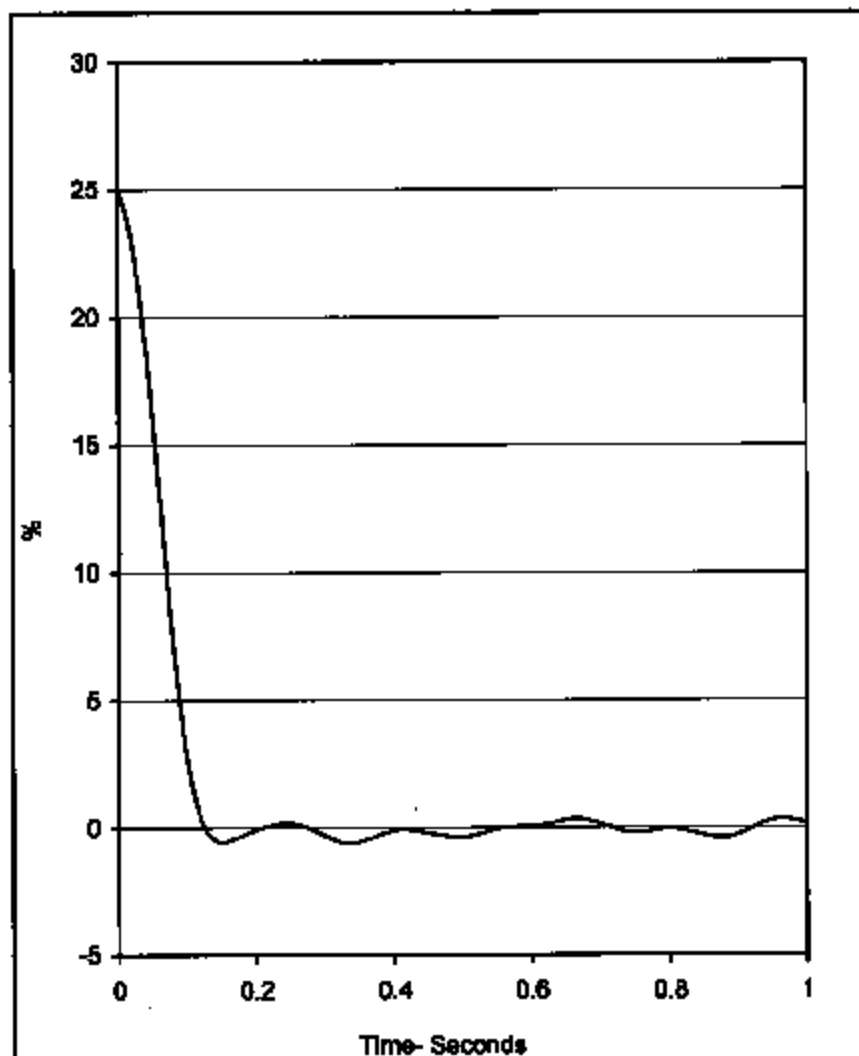
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6368.6	0.0	621.1	4.8	5

Test Date:
NHTSA No.:

06/07/06
C60105





Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

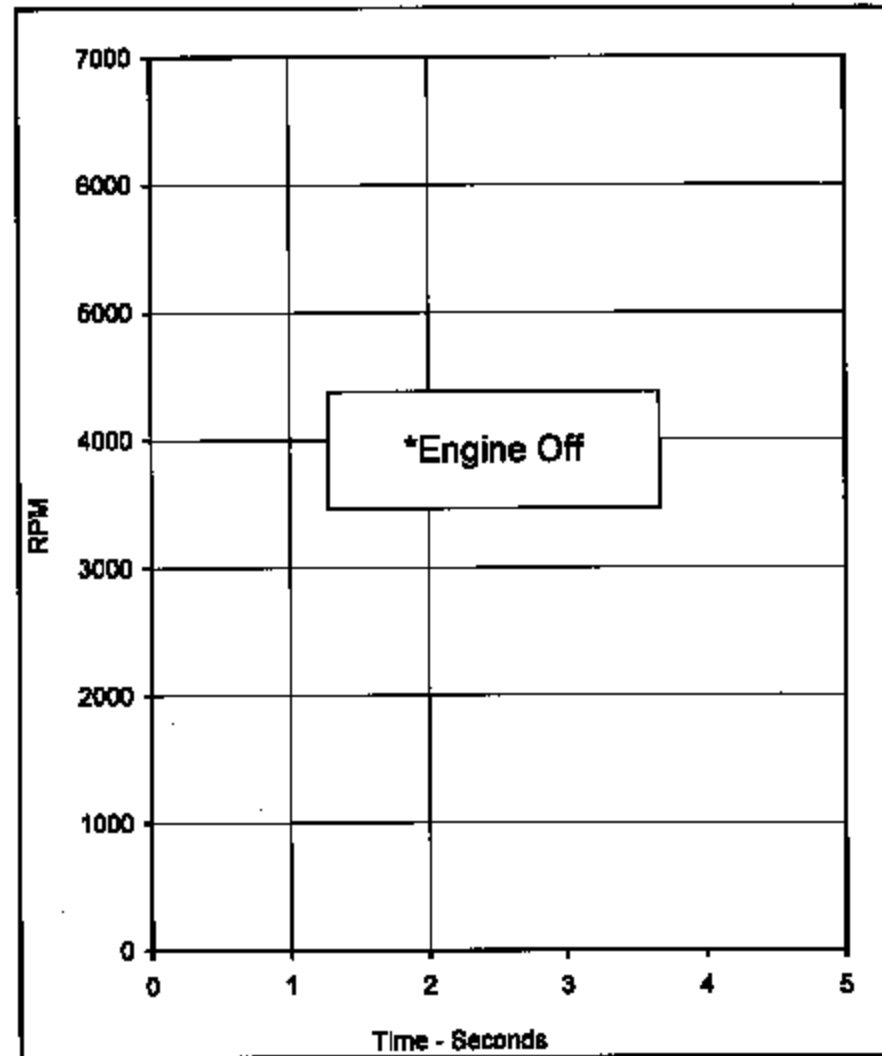
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.1	0.0	120.0	5

Test Program:

FMVSS 124 (Spring #1 Disconnected)

Test Vehicle:

2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

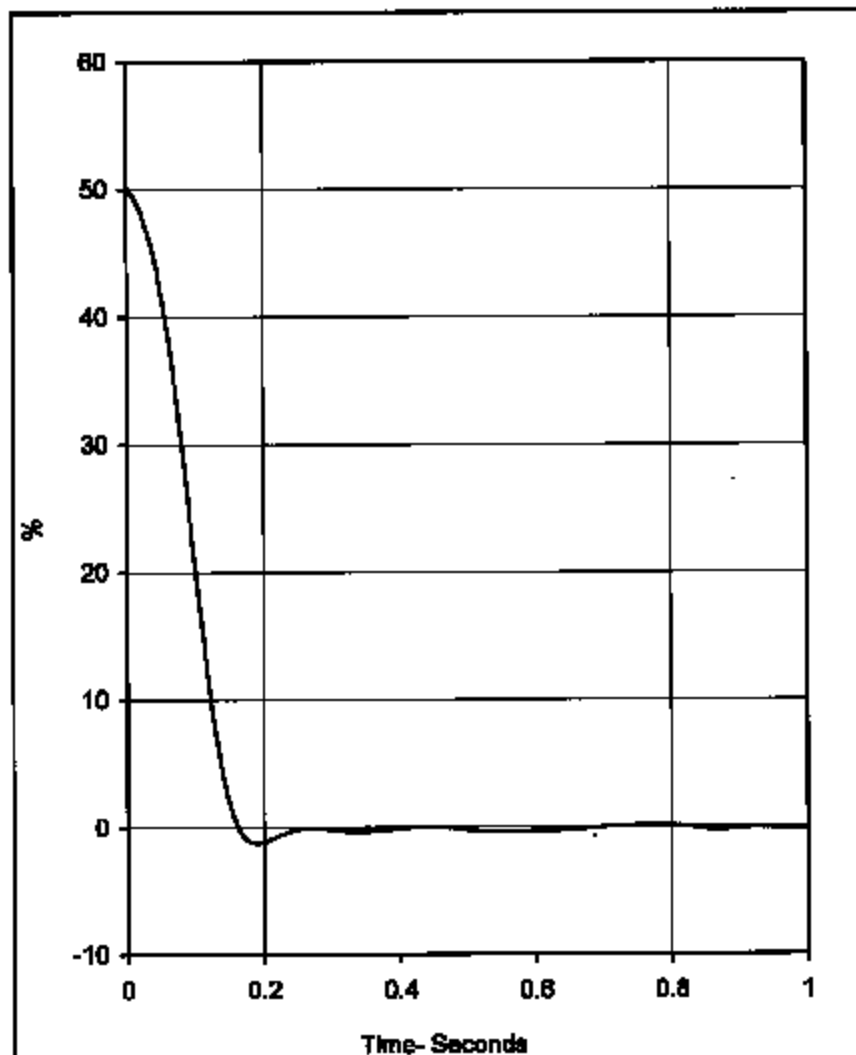
Test Date:

06/07/05

NHTSA No.:

C60105



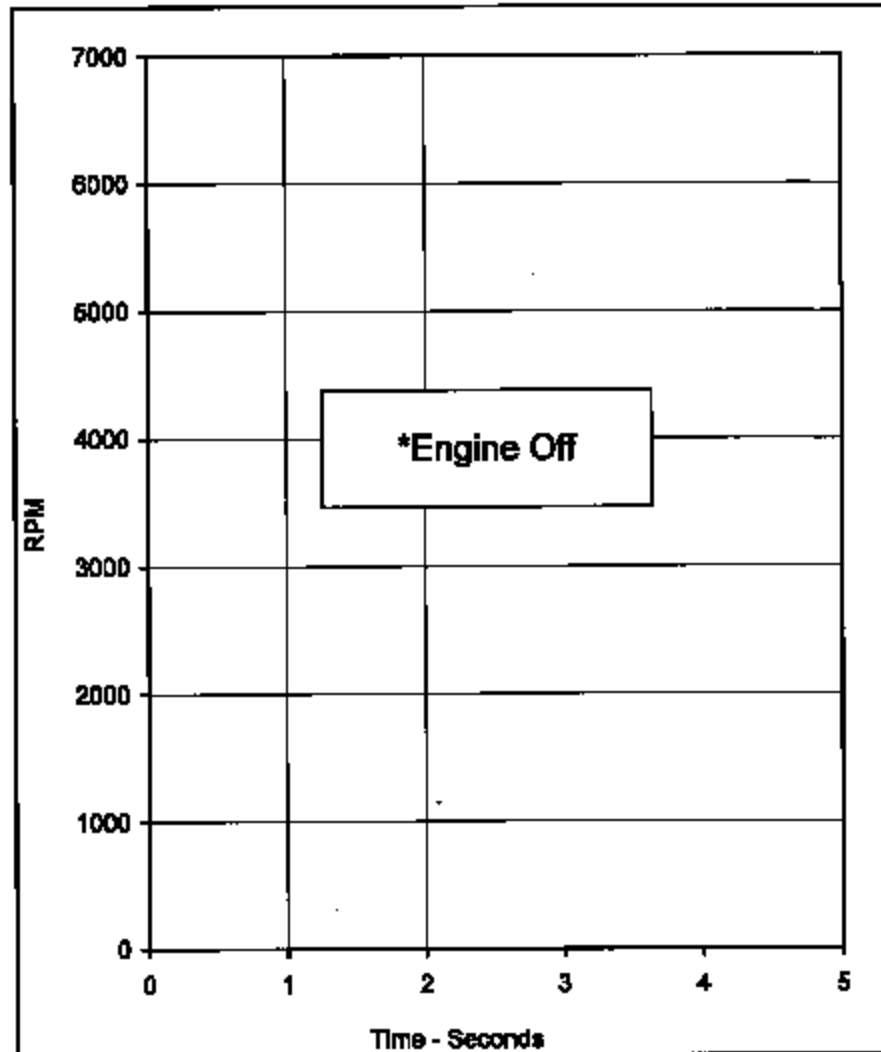


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	60.1	0.0	160.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #1 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



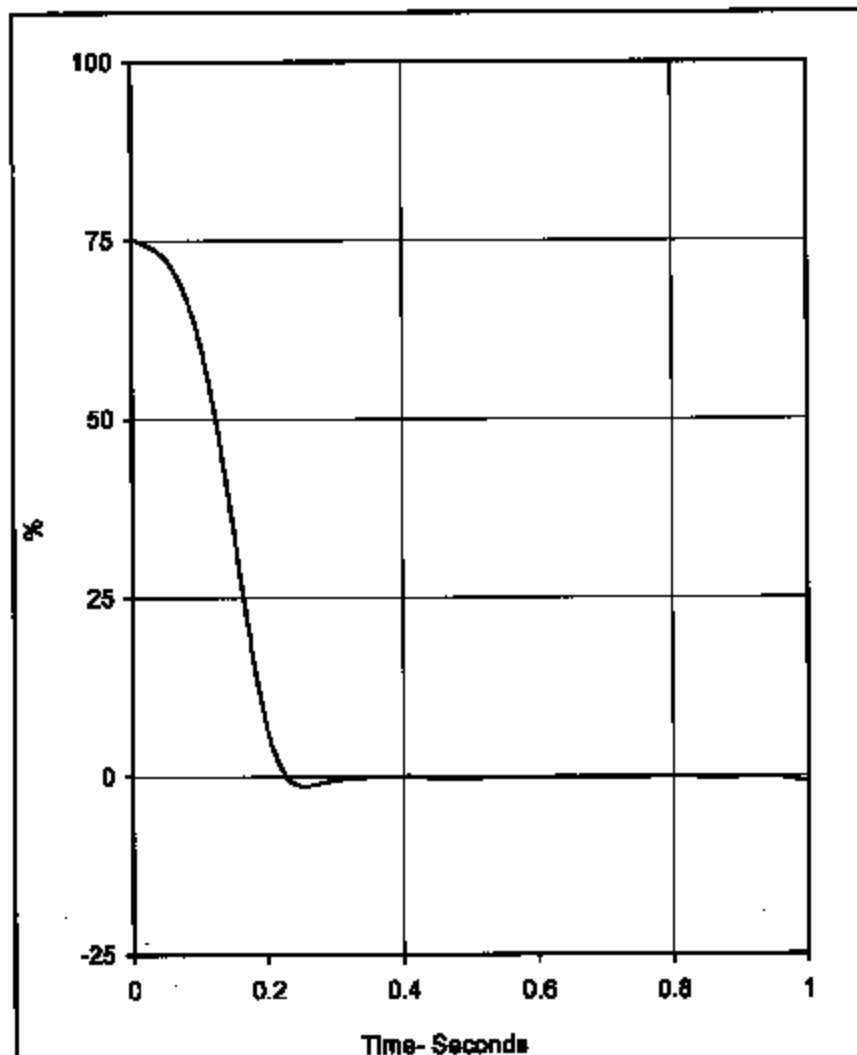
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:
NHTSA No.:

06/07/05
C60106



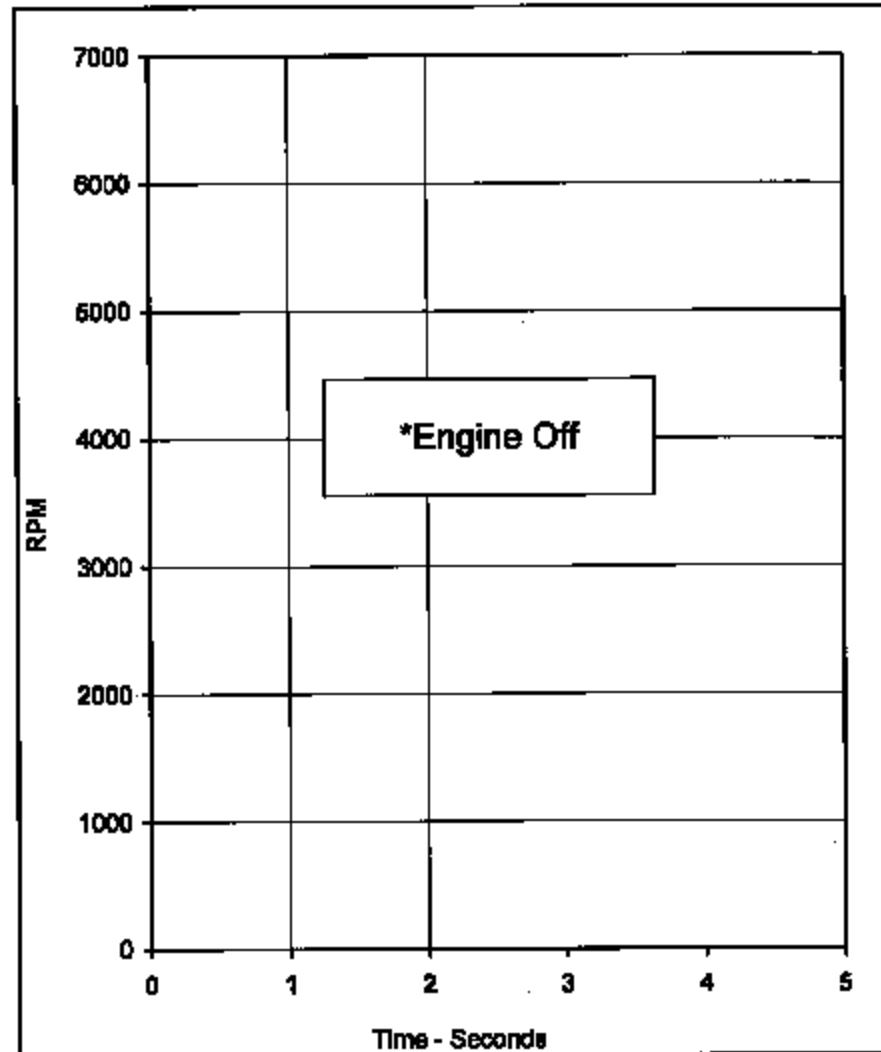


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	76.2	0.0	230.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #1 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	4000	0.0	0	1.5	5

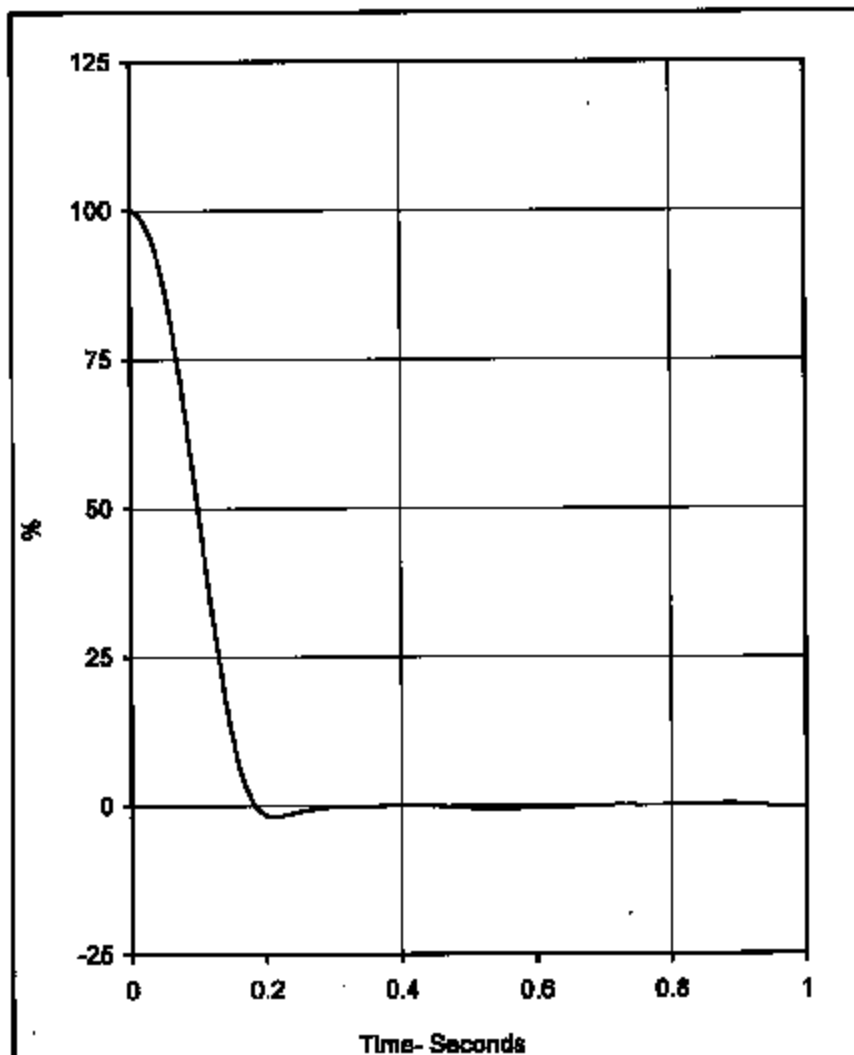
Test Date:
NHTSA No.:

06/07/05
C60106



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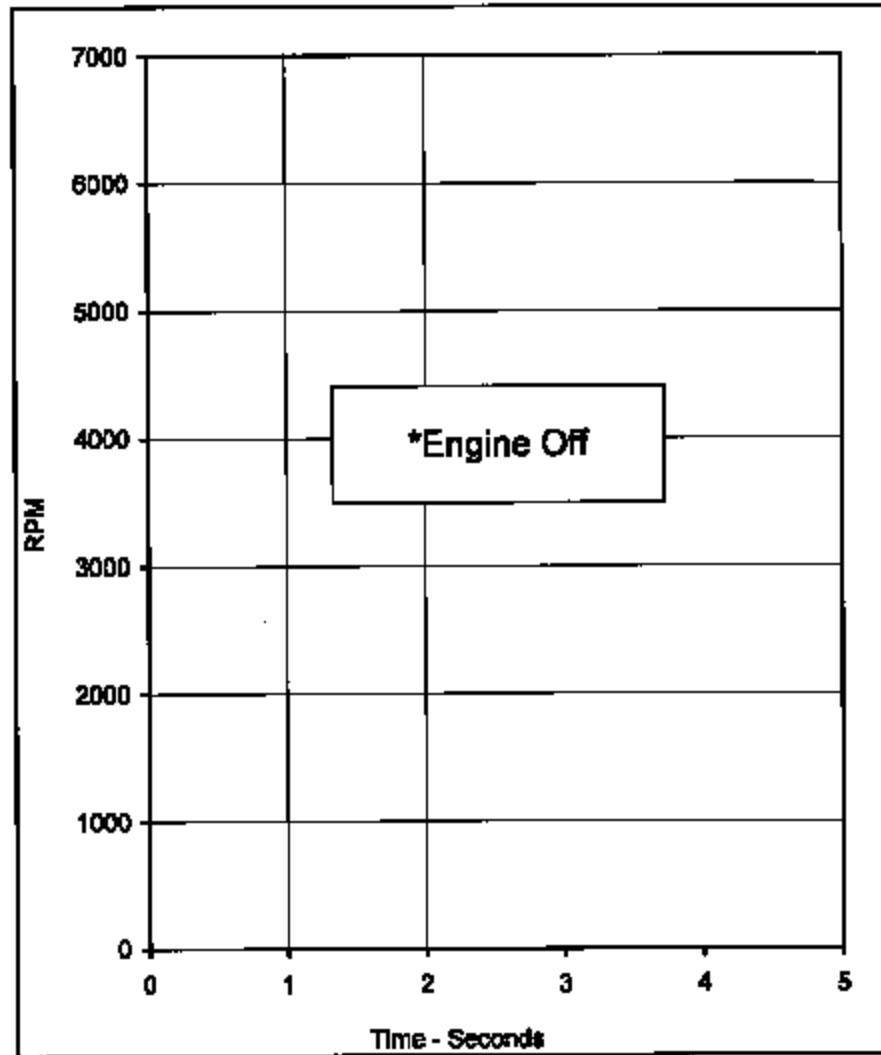


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	190.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #1 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

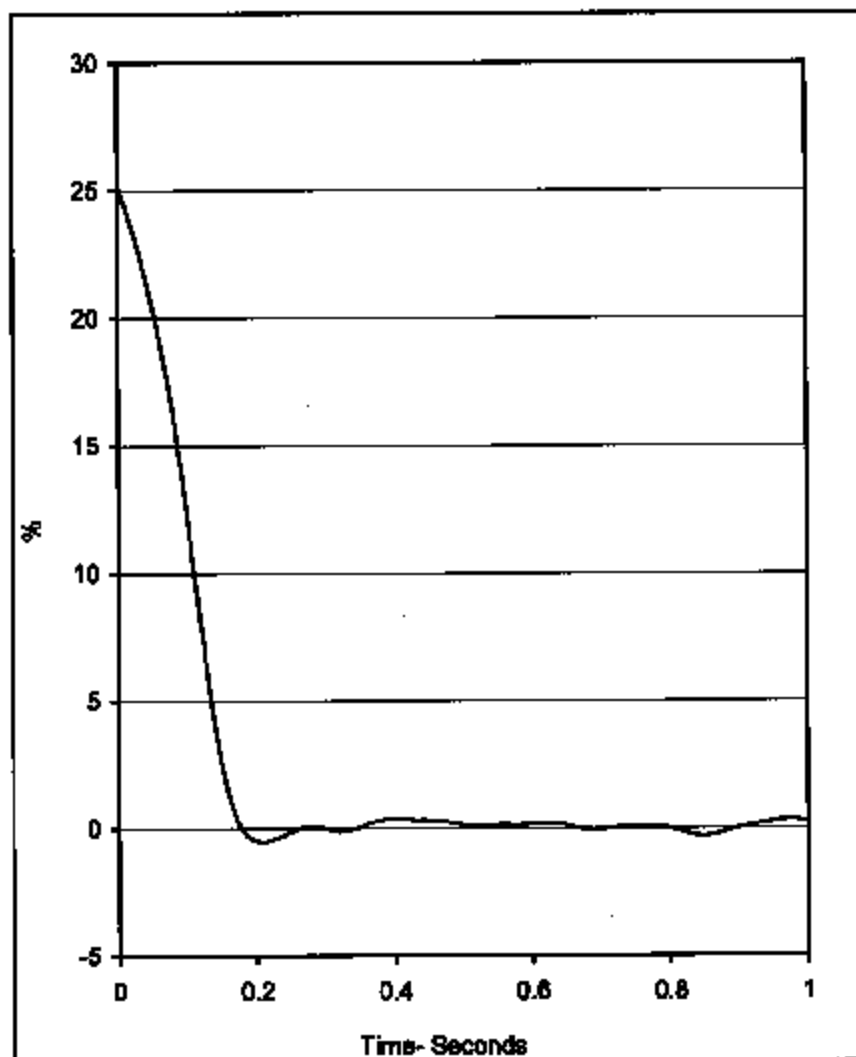
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:
NHTSA No.:

06/07/05
C50106



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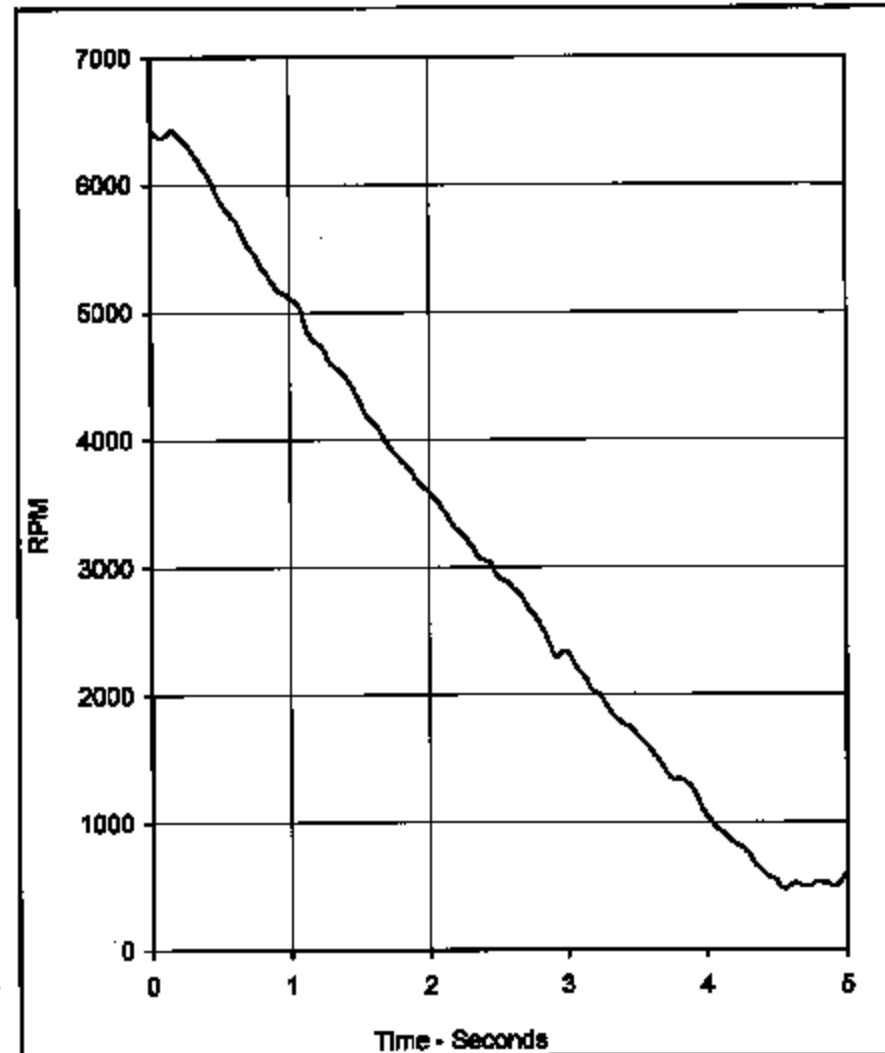


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.1	0.0	170.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #2 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



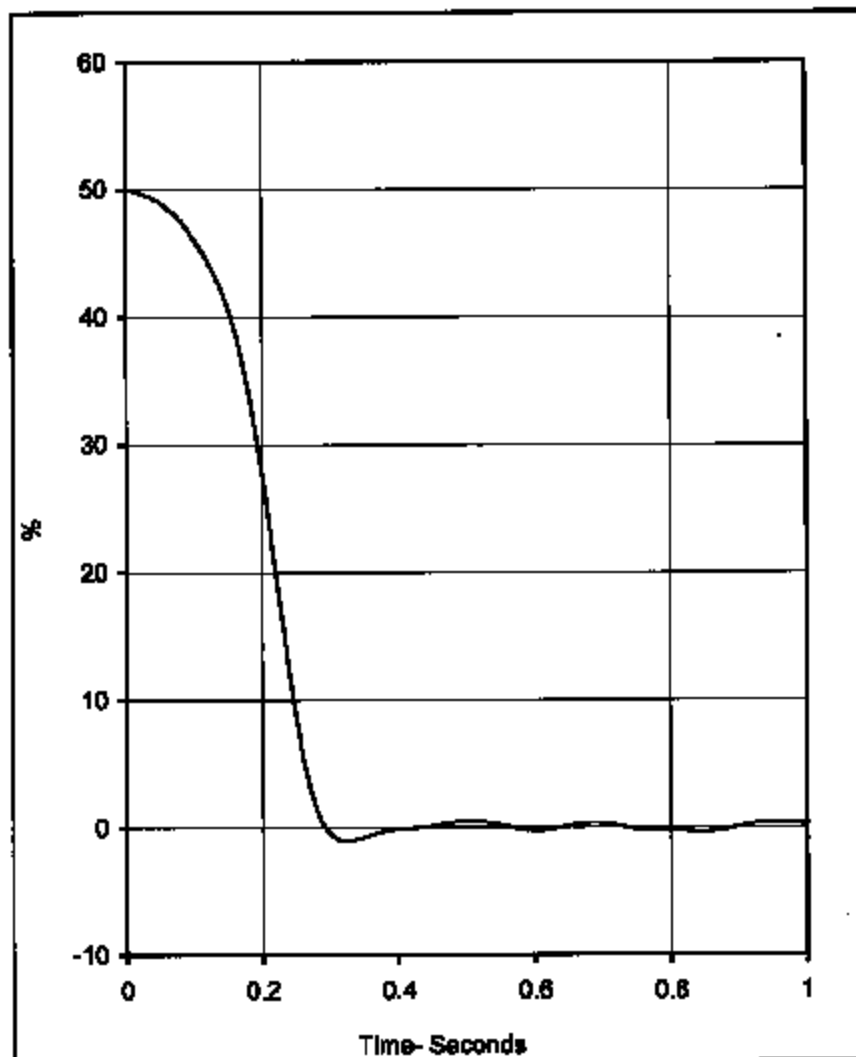
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6433.5	0.0	468.3	4.6	5

Test Date: 05/07/05
NHTSA No.: C50106



TR-P25008-02-NC

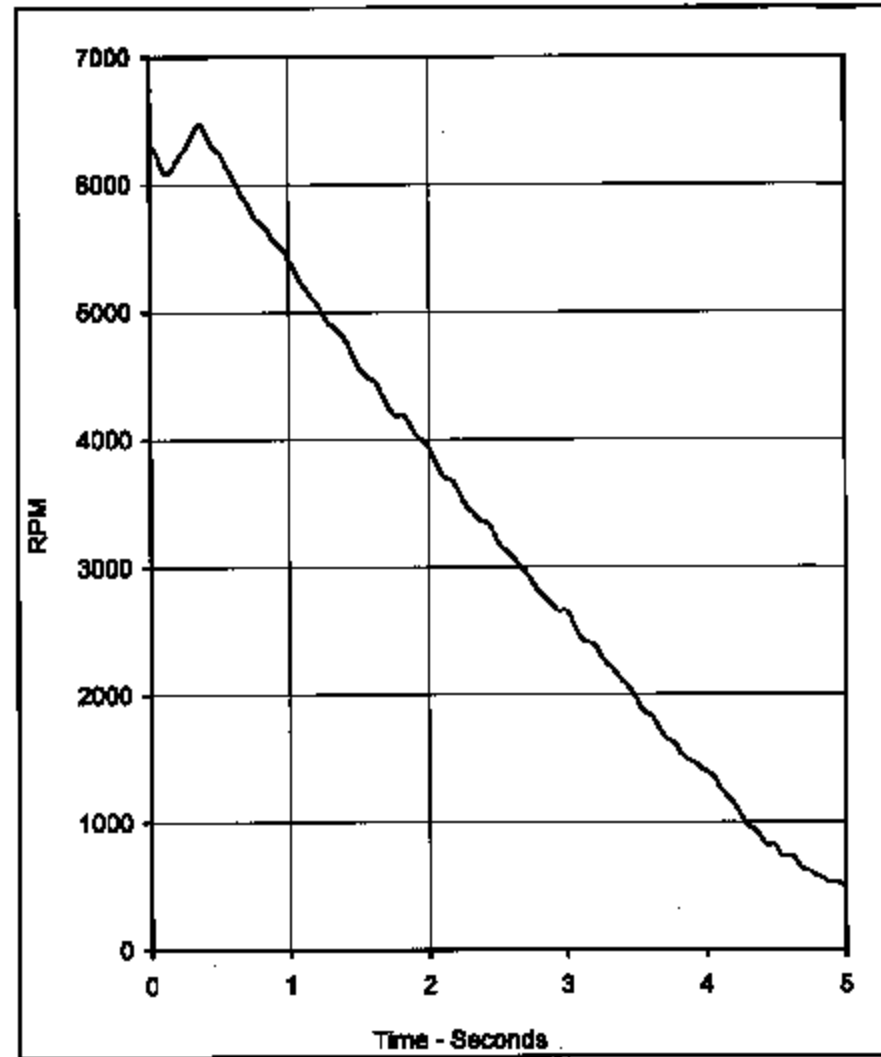


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	50.0	0.0	290.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #2 Disconnected)
2006 Chevrolet Aveo 4-Door Pass. Car



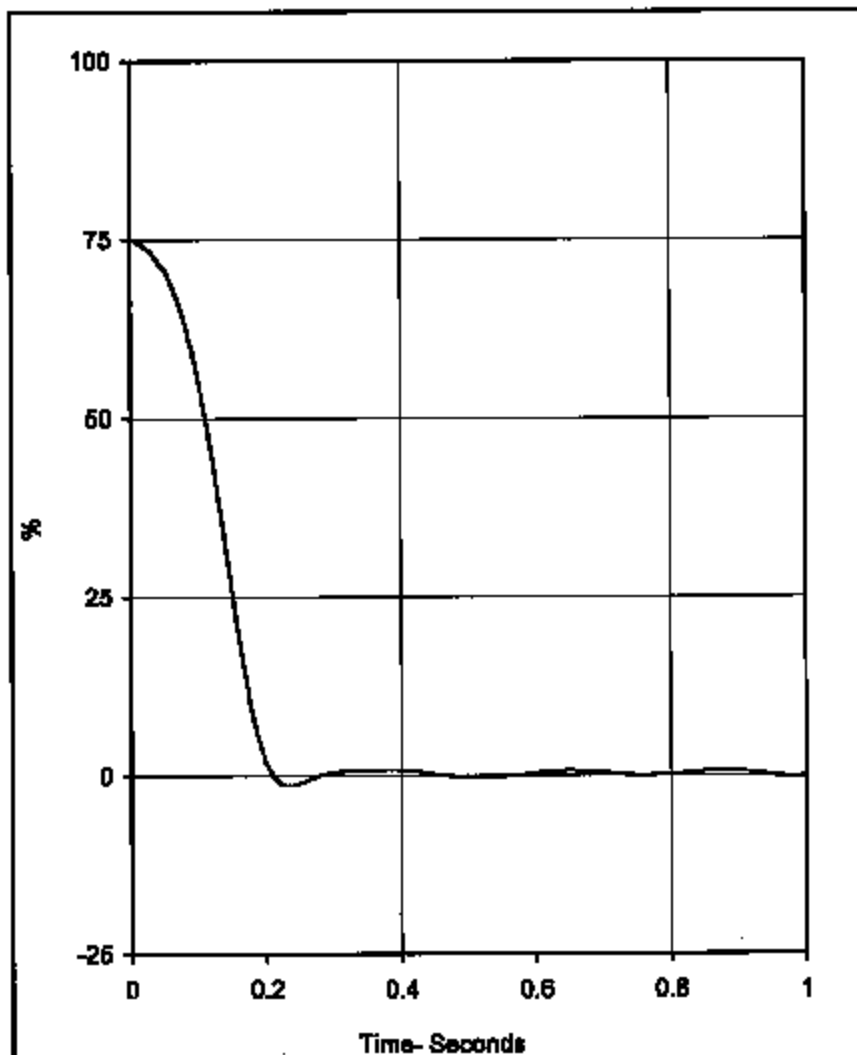
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6471.9	0.4	500.1	5.0	5

Test Date:
NHTSA No.:

08/07/05
C50105

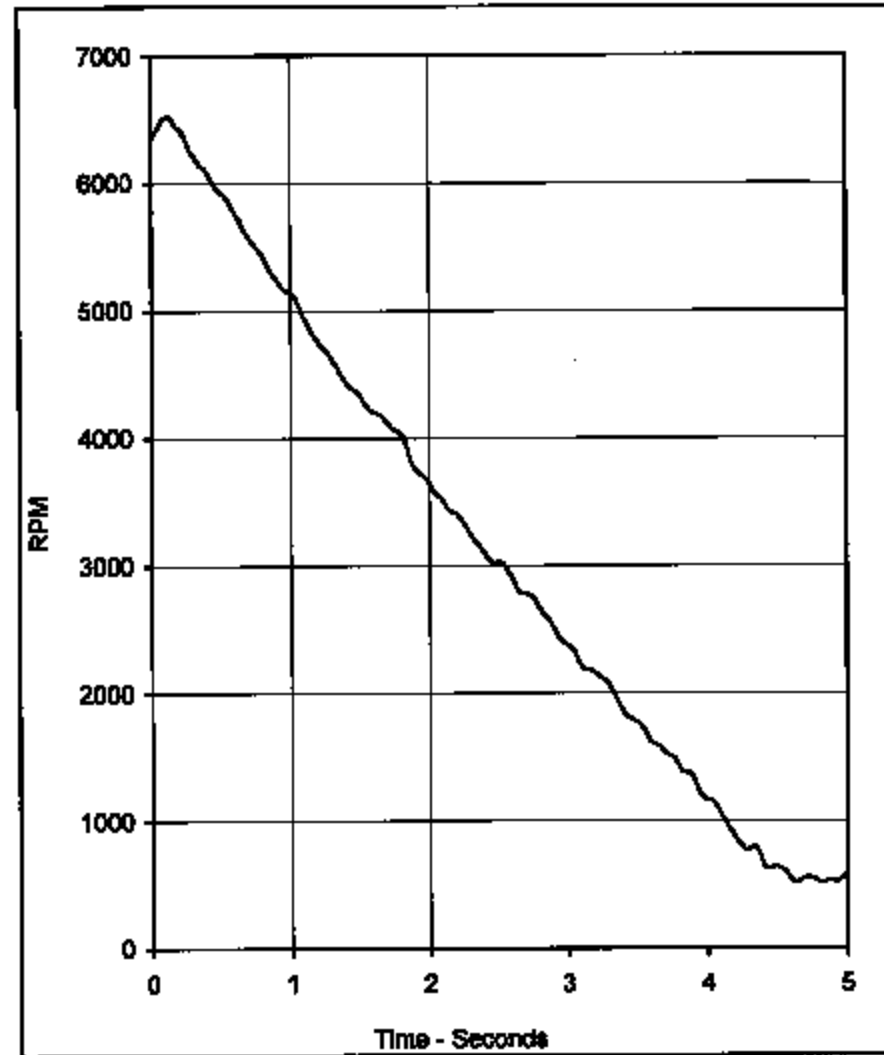




Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.1	0.0	210.0	5

Test Program: FMVSS 124 (Spring #2 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car

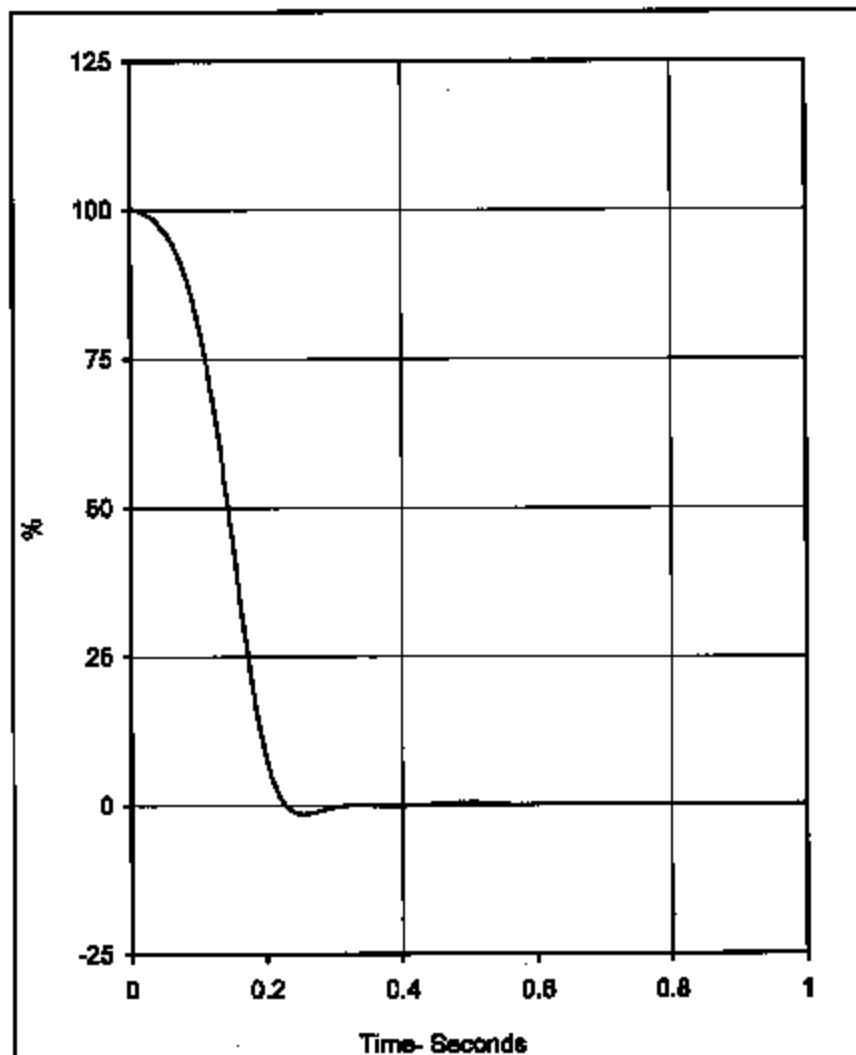


Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6529.2	0.1	517.2	4.8	5

Test Date: 06/07/05
 NHTSA No.: C60106

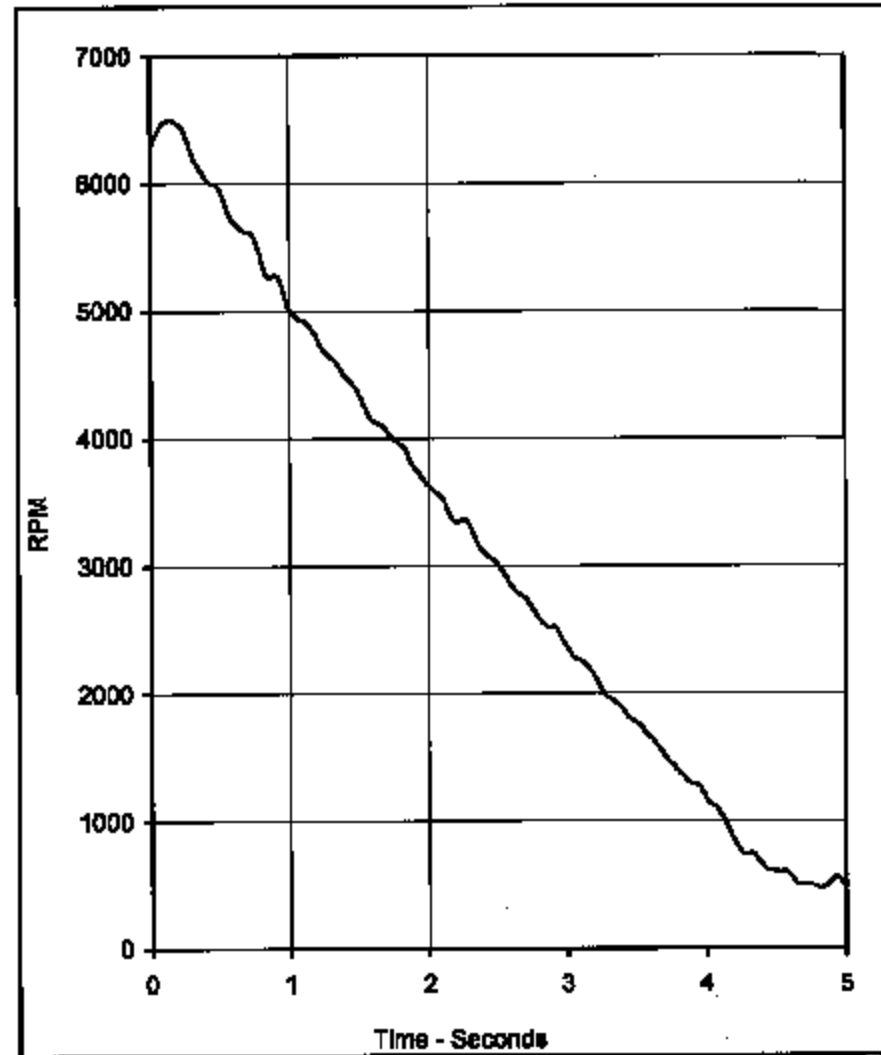




Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	230.0	5

Test Program: FMVSS 124 (Spring #2 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

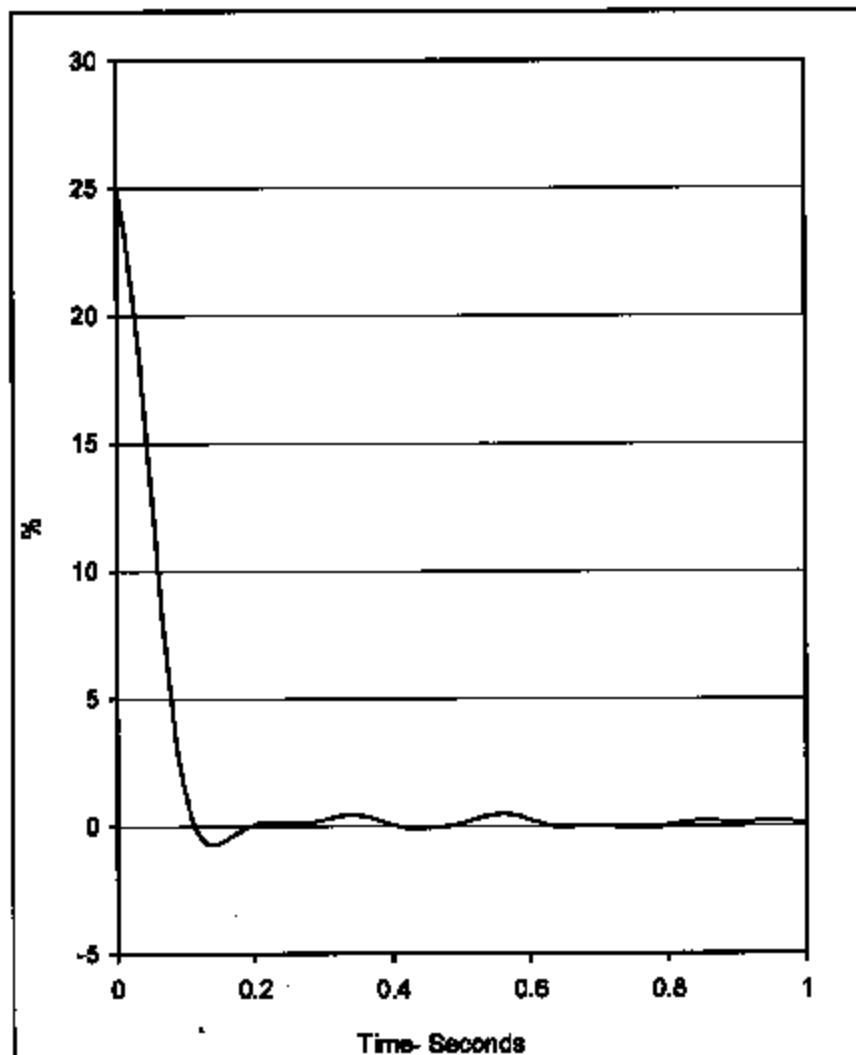
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6499.0	0.1	472.6	4.8	5

Test Date: 06/07/05
 NHTSA No.: C60106



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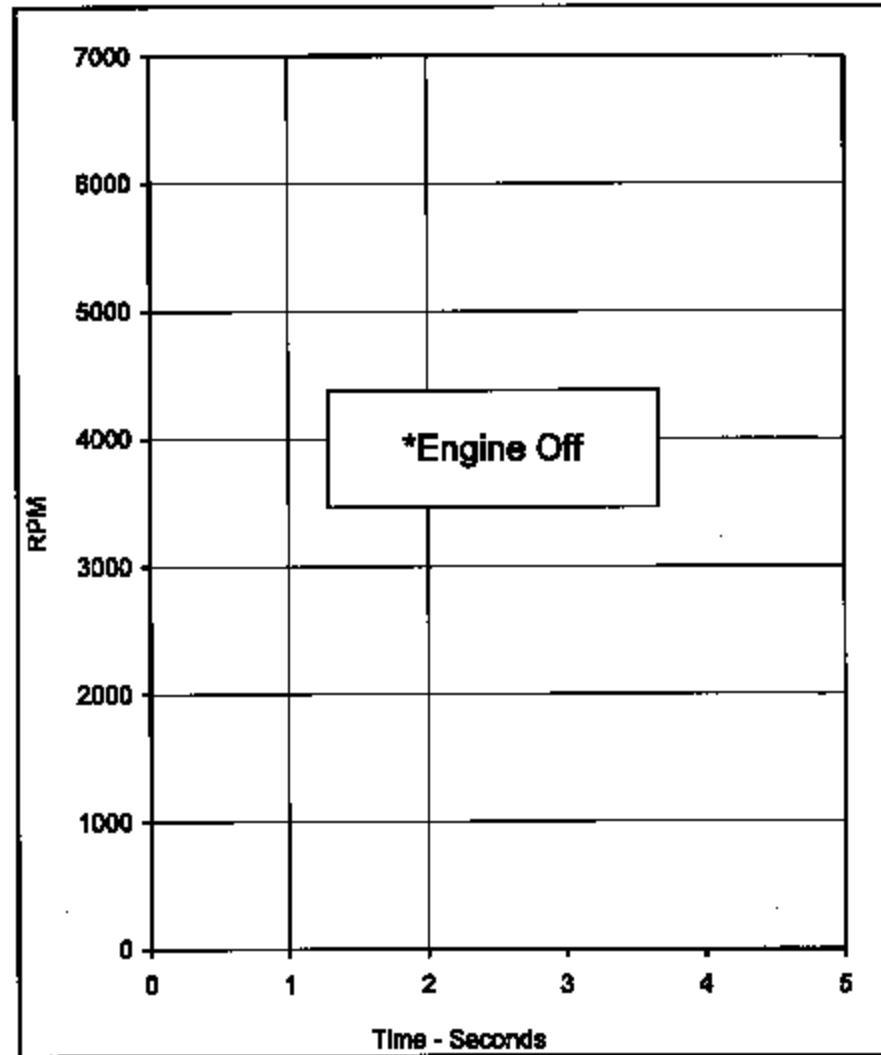
TR-P25008-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.0	0.0	110.0	5

Test Program: FMVSS 124 (Spring #2 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

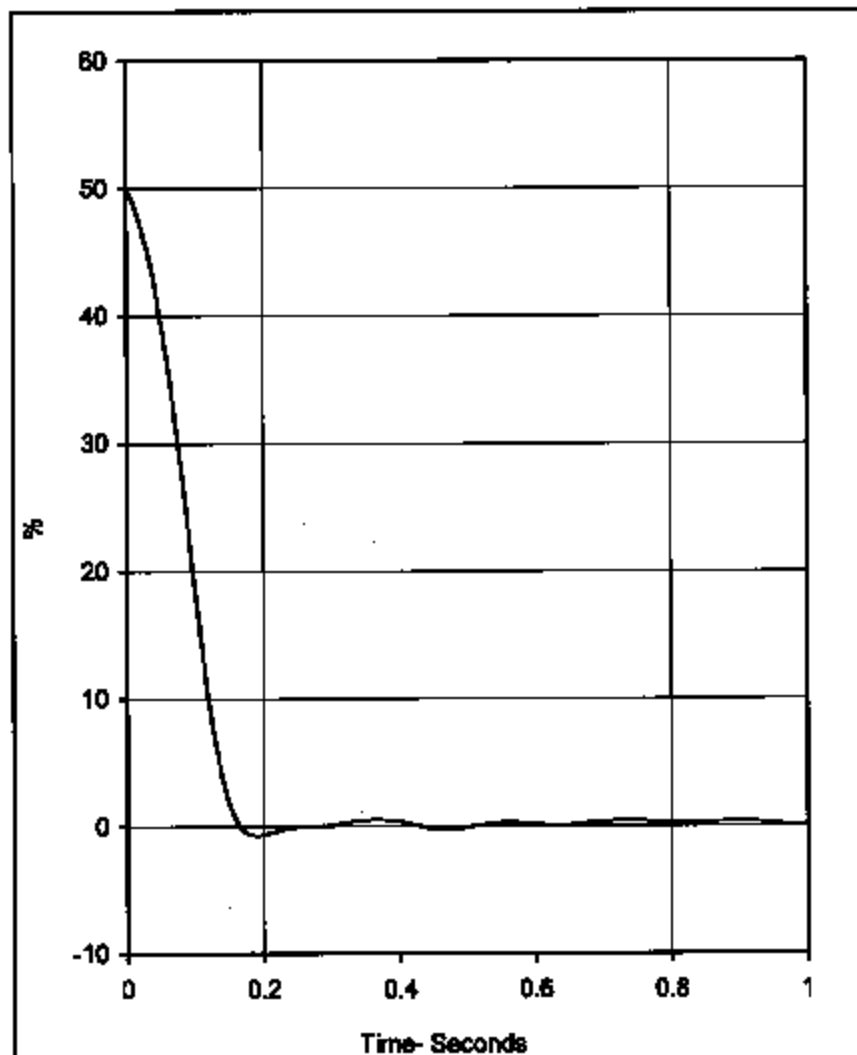
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date: 06/07/05
 NHTSA No.: C50105



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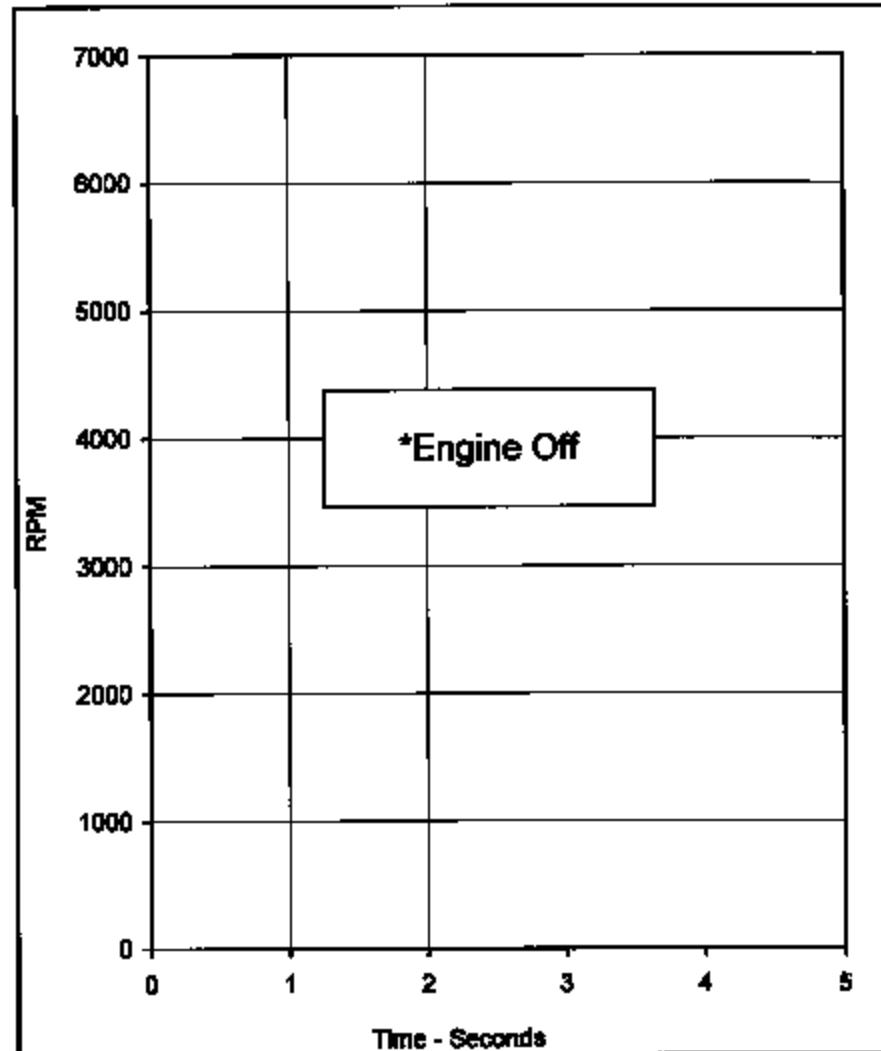


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	49.9	0.0	160.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #2 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

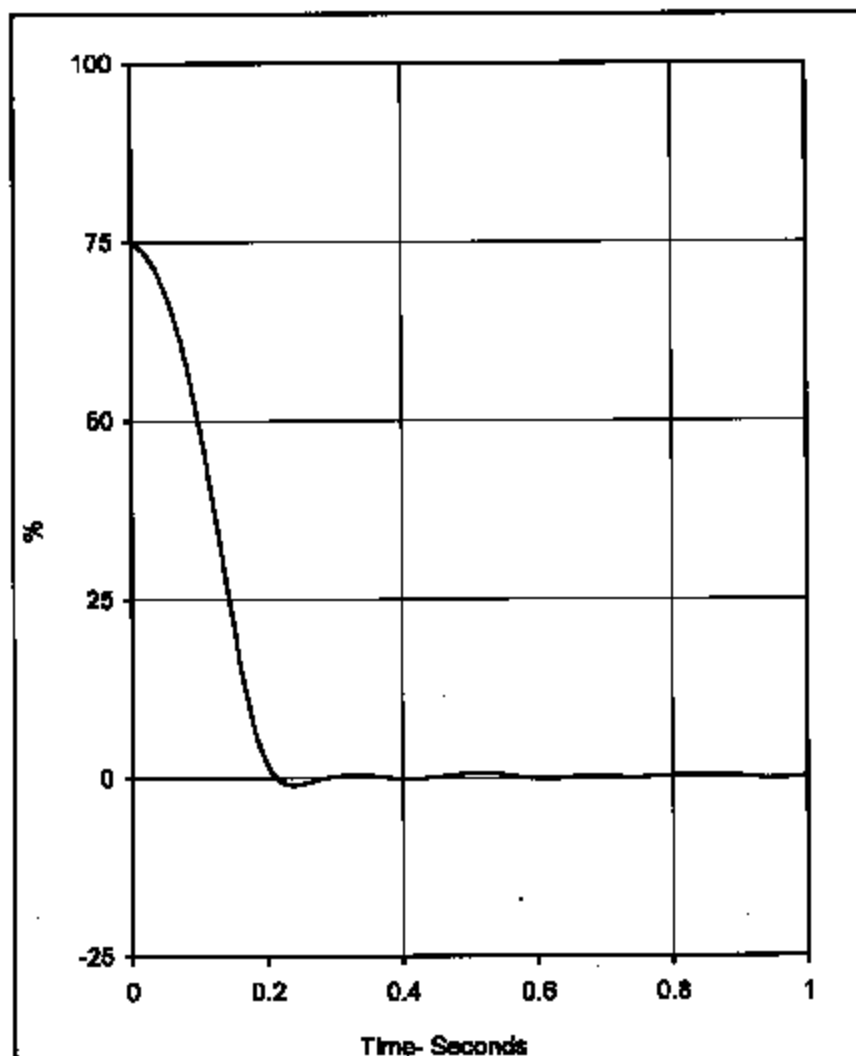
Test Date:
NHTSA No.:

06/07/05
C60105



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TR-P25006-02-NC

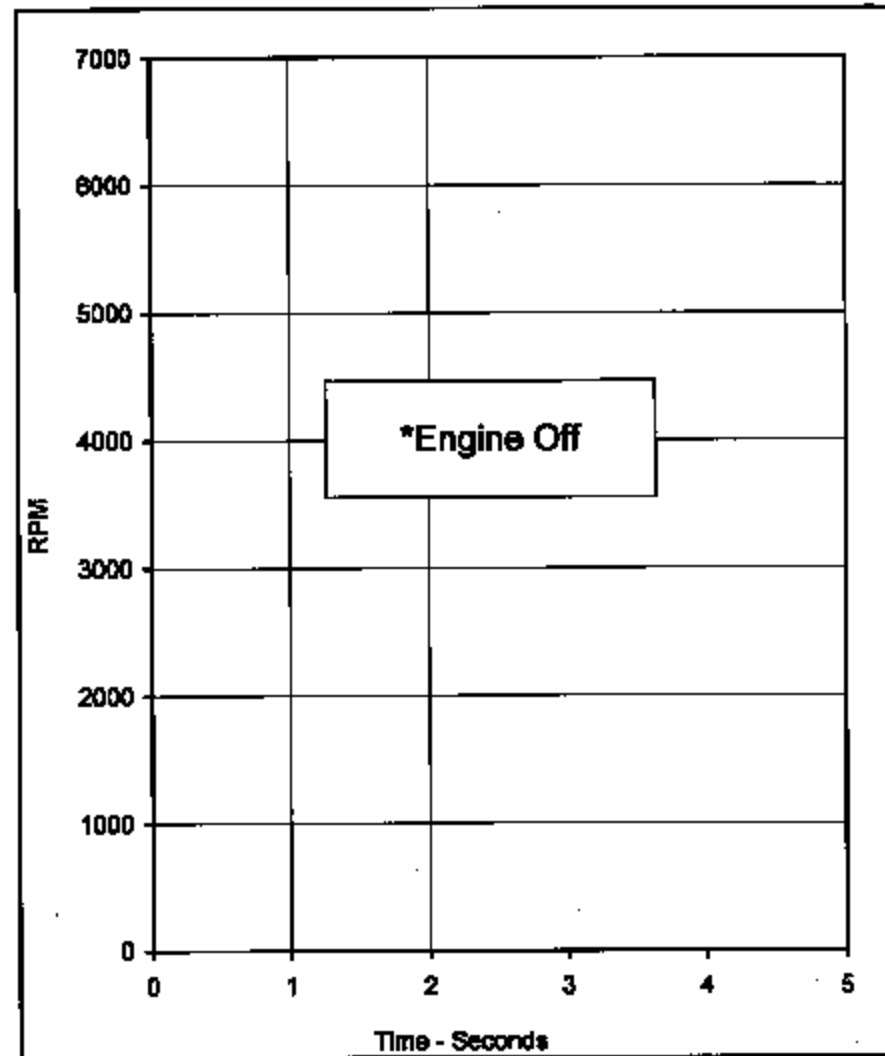


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	74.9	0.0	210.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #2 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

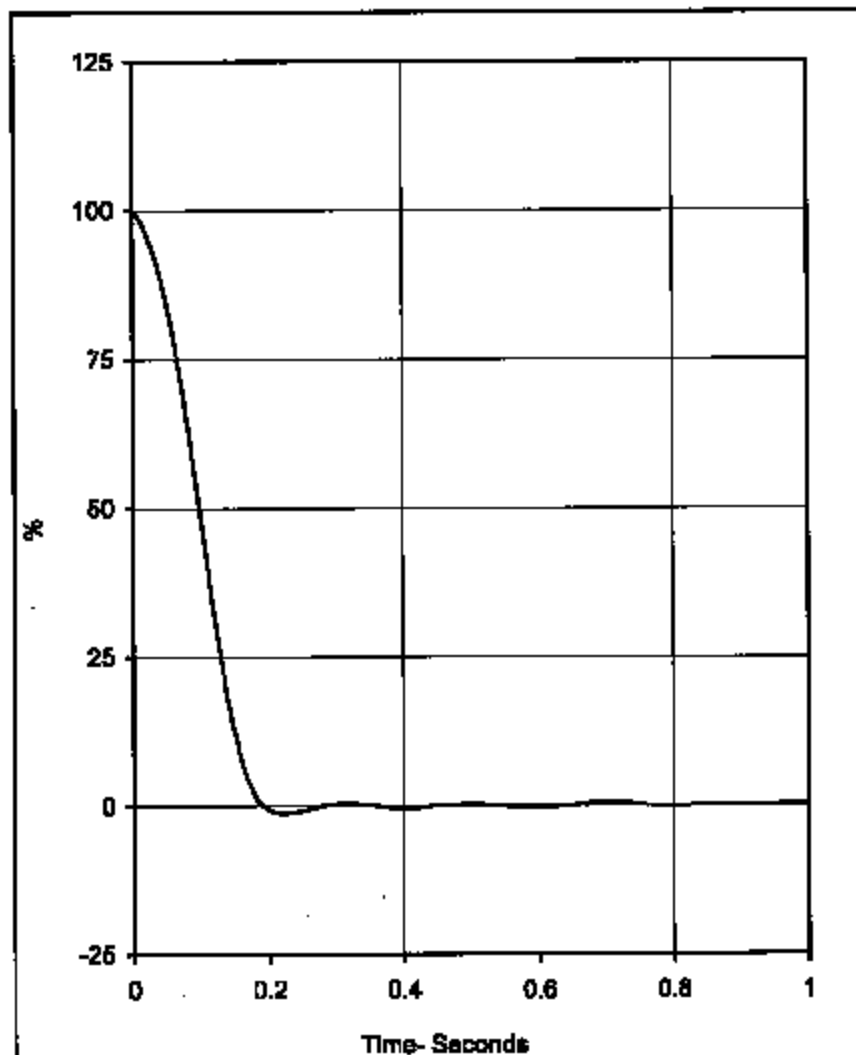
Test Date:
NHTSA No.:

06/07/05
C60105



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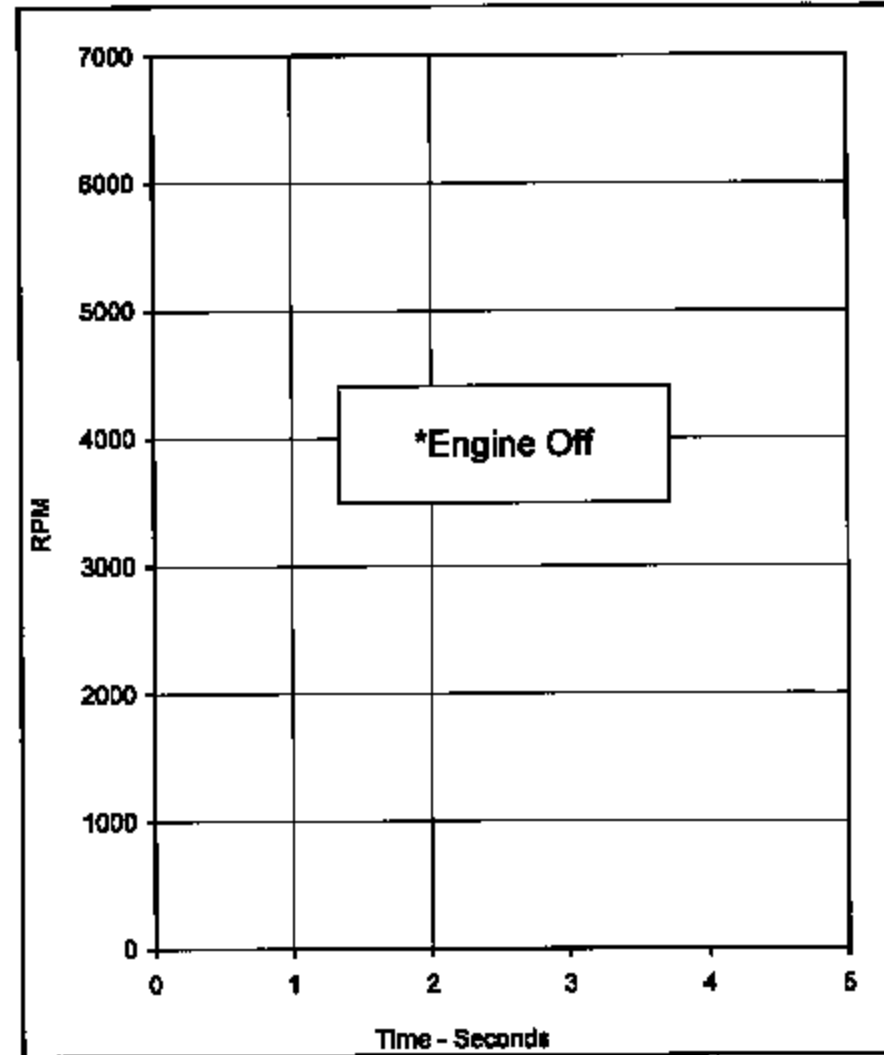
TR-PZ5006-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	99.9	0.0	190.0	5

Test Program: FMVSS 124 (Spring #2 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



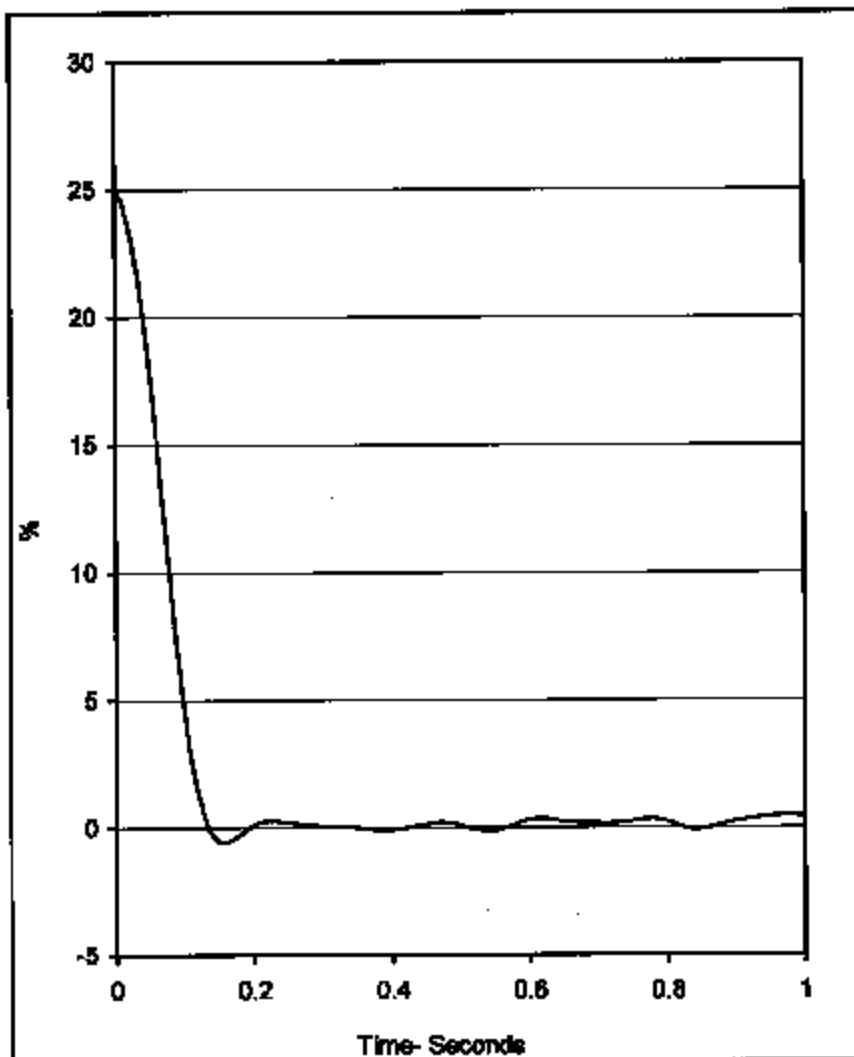
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date: 06/07/05
 NHTSA No.: C50106

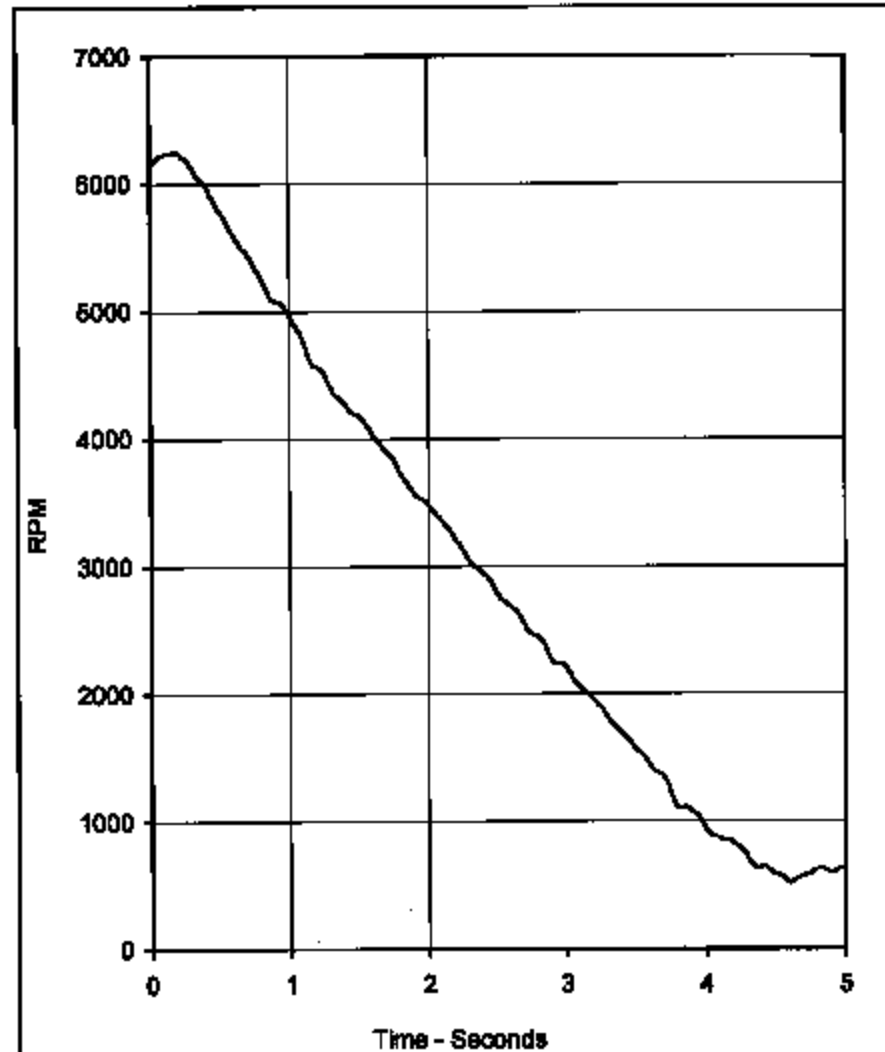


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Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.1	0.0	130.0	5



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6249.6	0.2	517.2	4.6	5

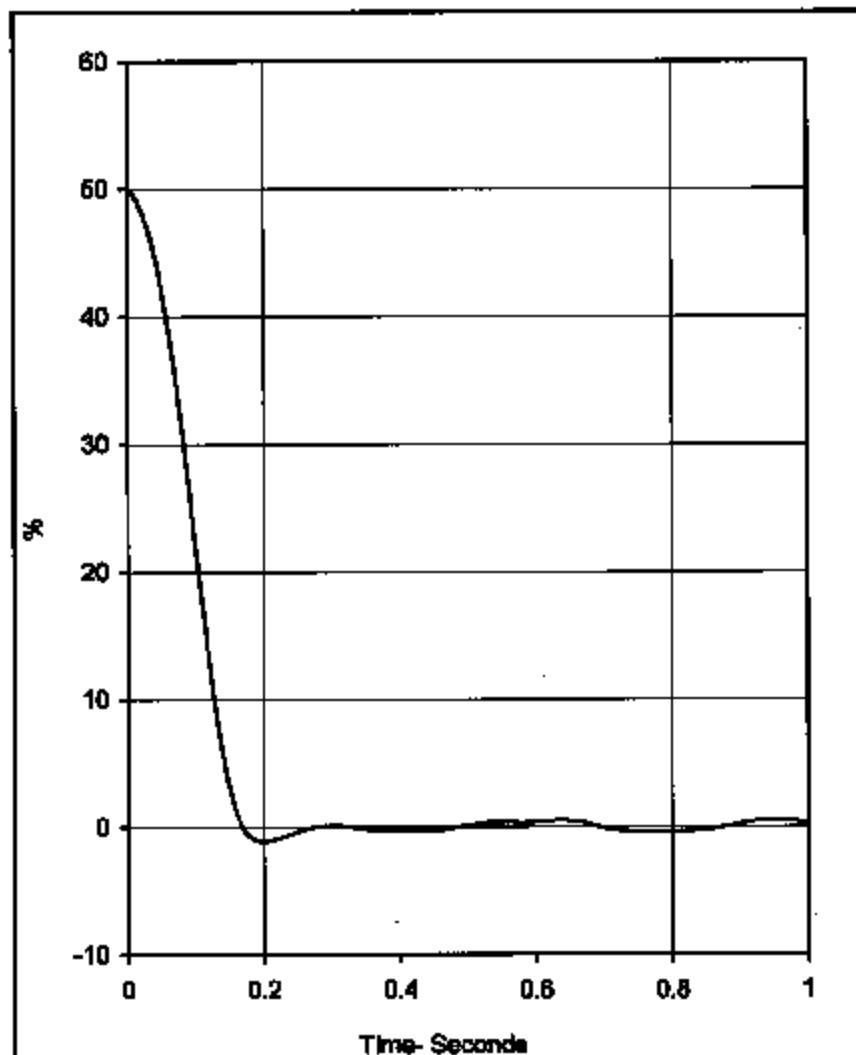
Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car

Test Date: 06/07/06
NHTSA No.: C50105



TR-P25009-02-NC

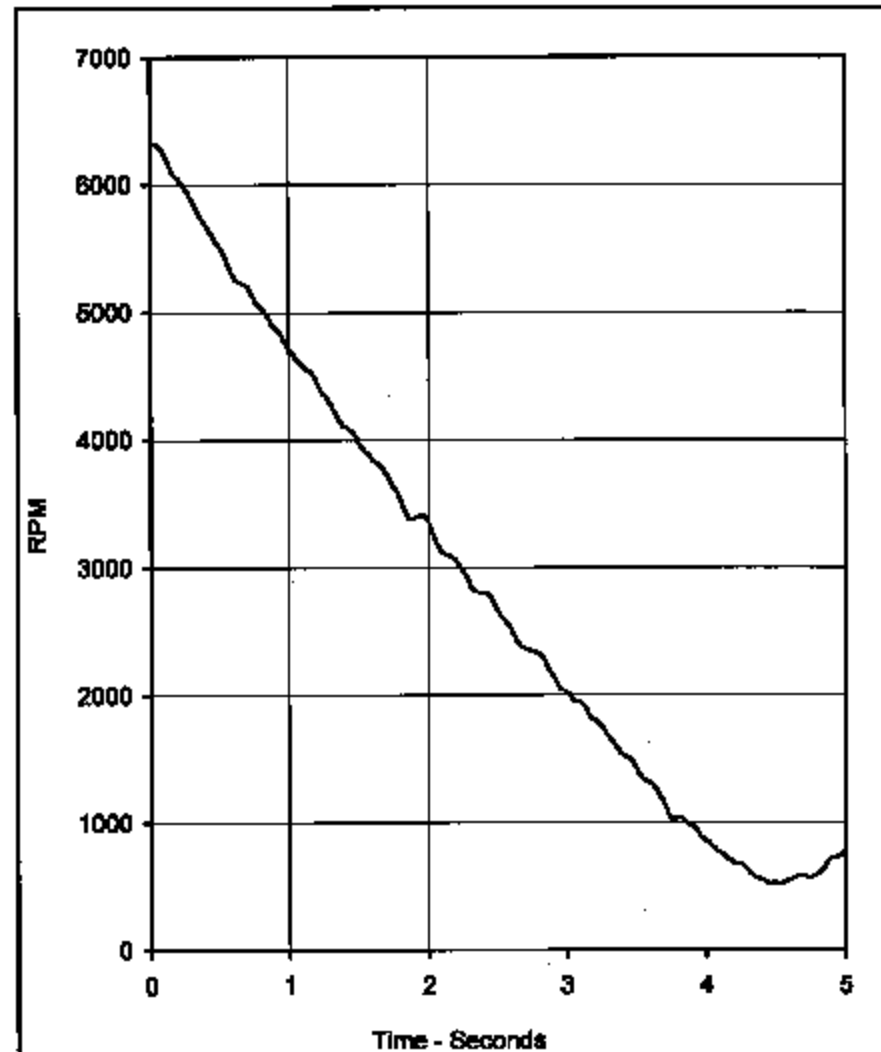


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	60.1	0.0	170.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

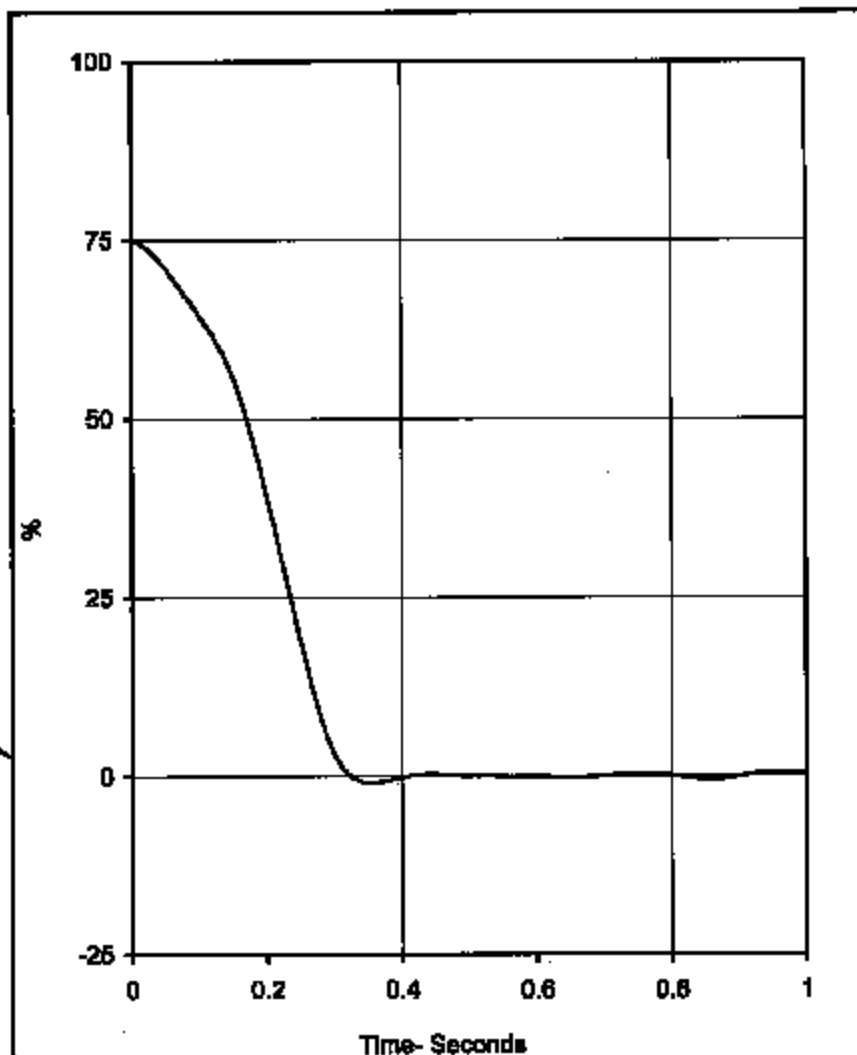
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6329.6	0.0	524.4	4.5	6

Test Date:
NHTSA No.:

06/07/05
C60105



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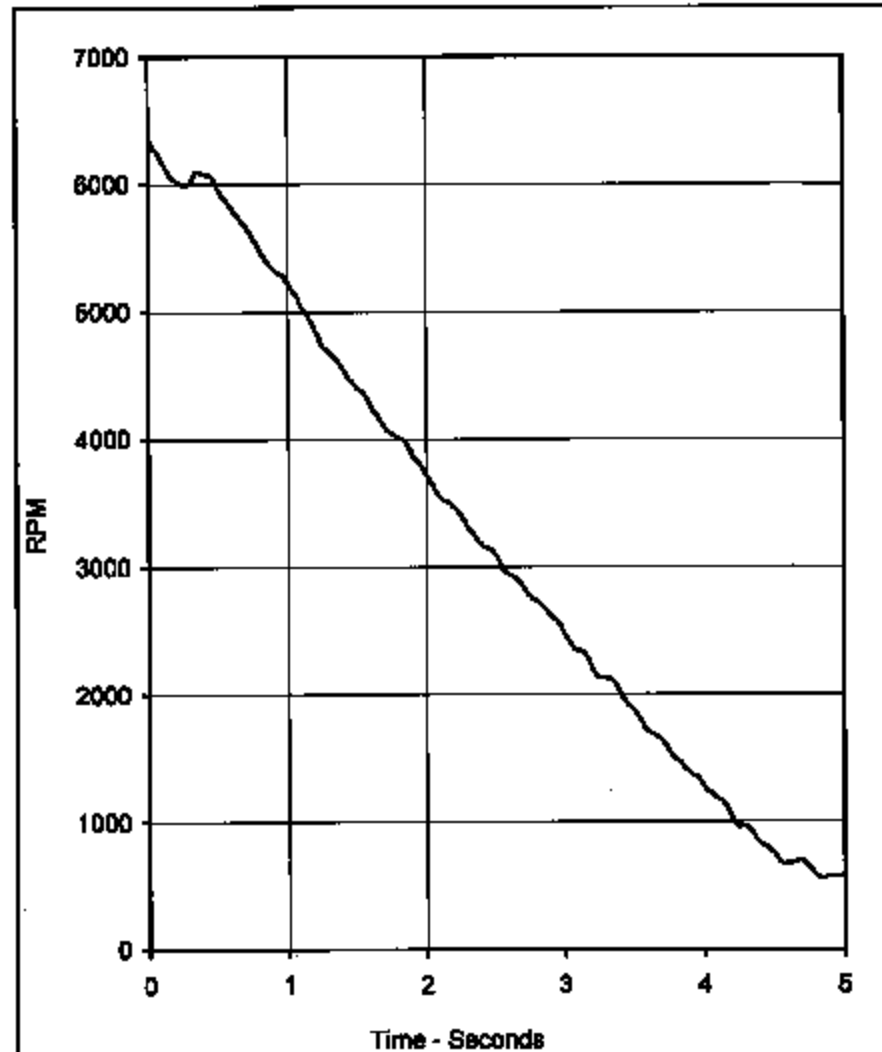


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.1	0.0	320.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

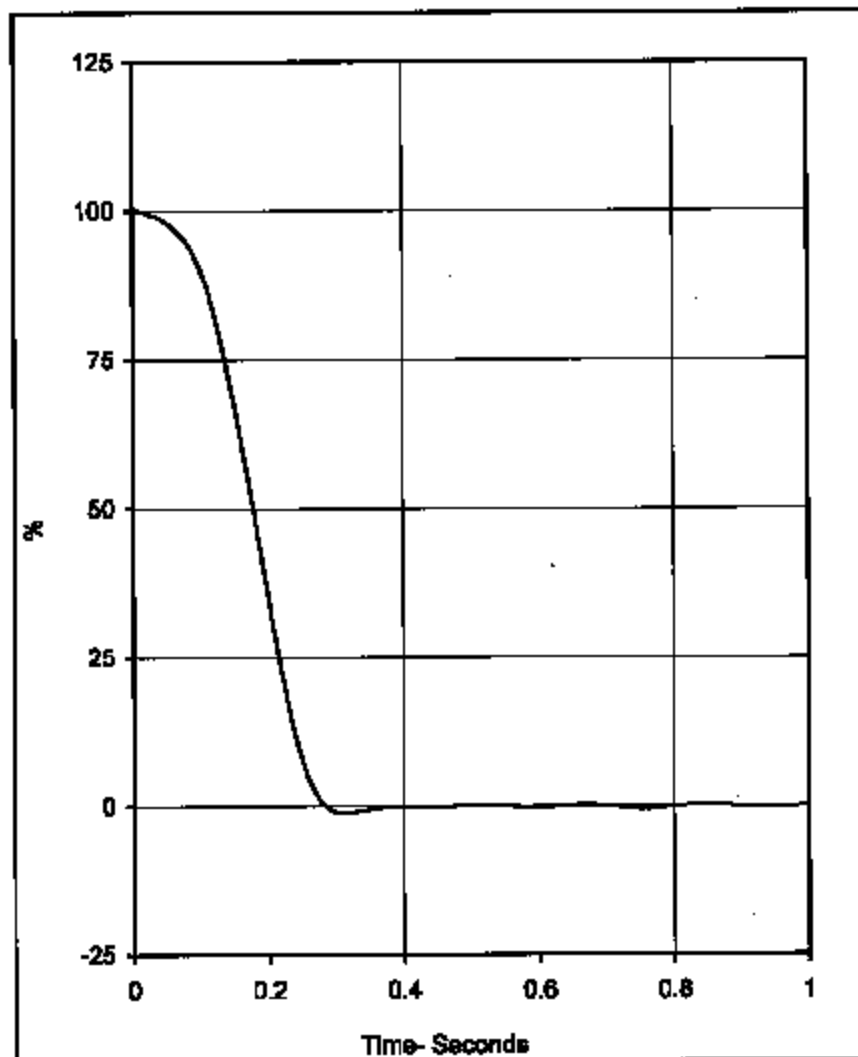
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6363.7	0.0	581.6	4.8	5

Test Date:
NHTSA No.:

06/07/05
C50105



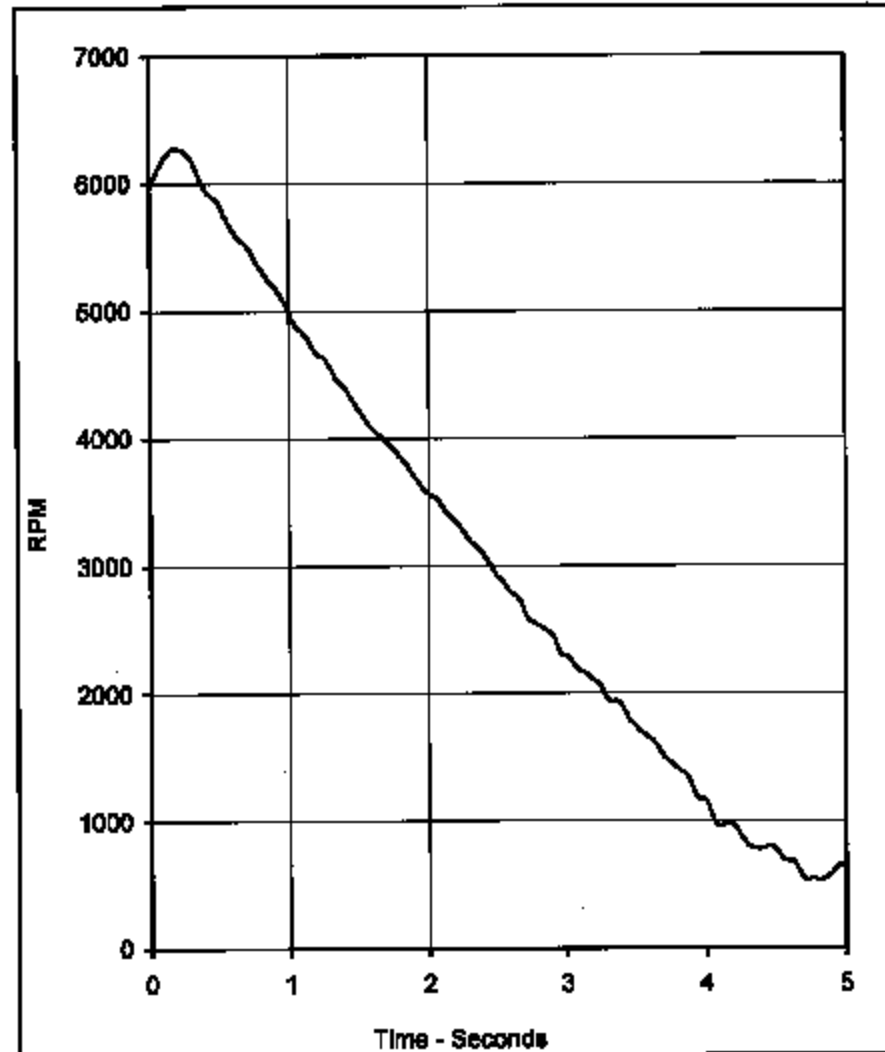
TR-P25009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	280.0	5

Test Program: FMVSS 124 (Spring #3 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

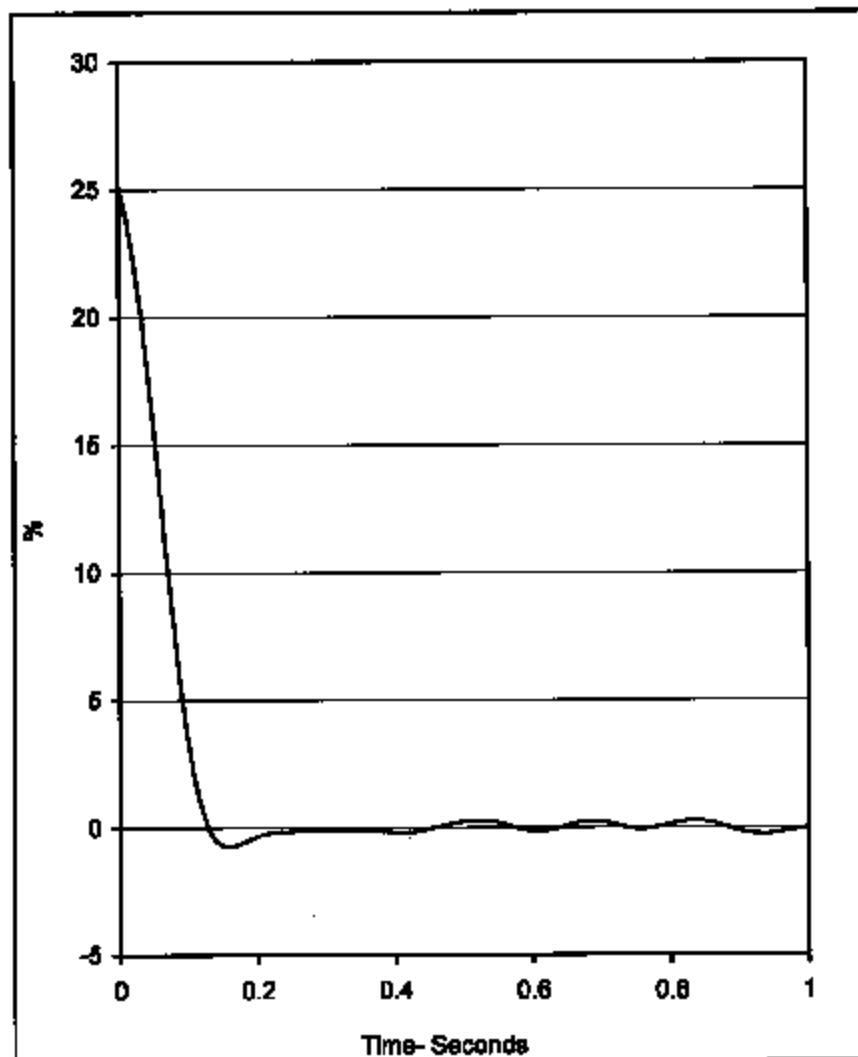
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6280.5	0.2	532.9	4.8	5

Test Date: 06/07/05
 NHTSA No.: C60105



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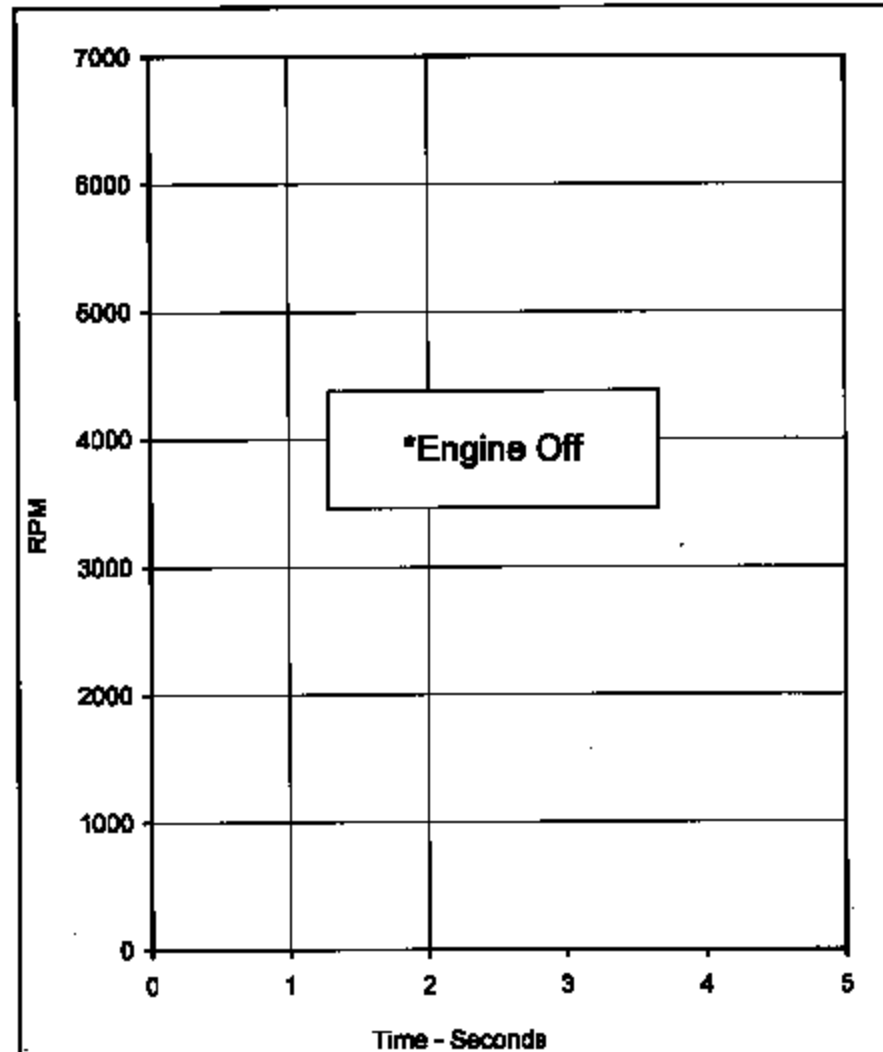
TR-P25006-02-NC



Curve Description		CURNO	Type	
Throttle Position vs. Time		001	FIL	
Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.0	0.0	130.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description				CURNO	Type
Engine RPM vs. Time				002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

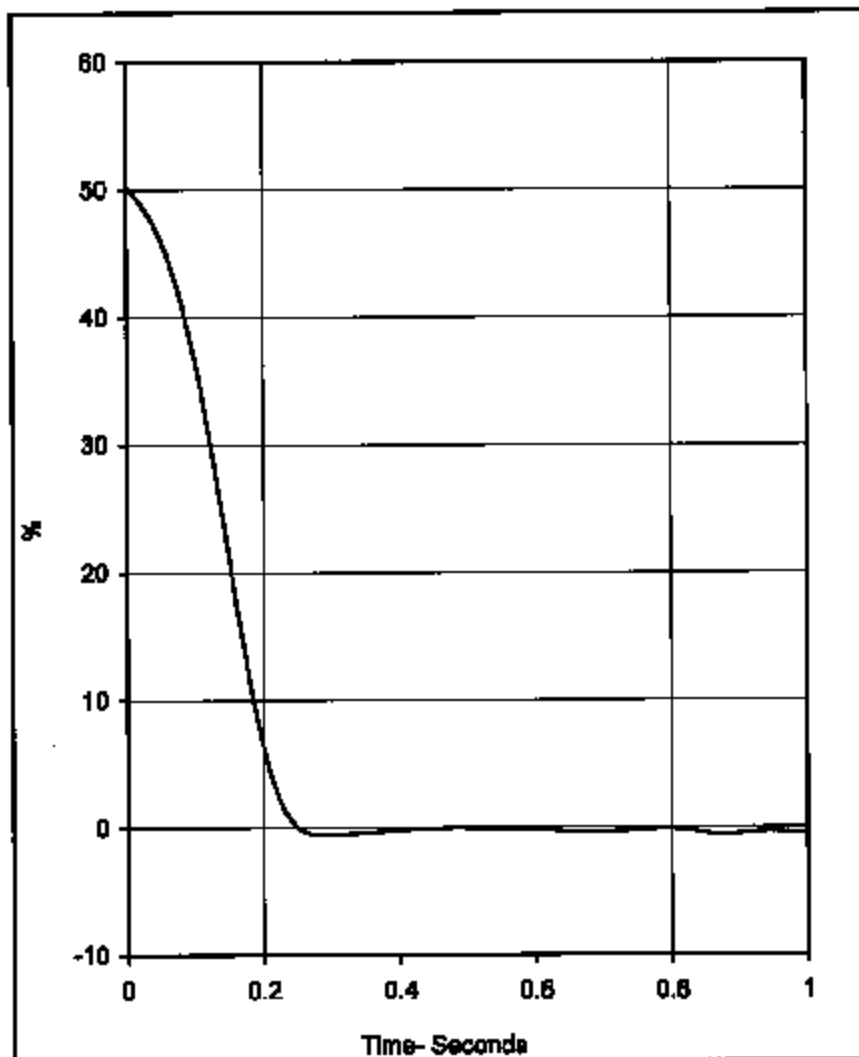
Test Date:
NHTSA No.:

06/07/05
C50105



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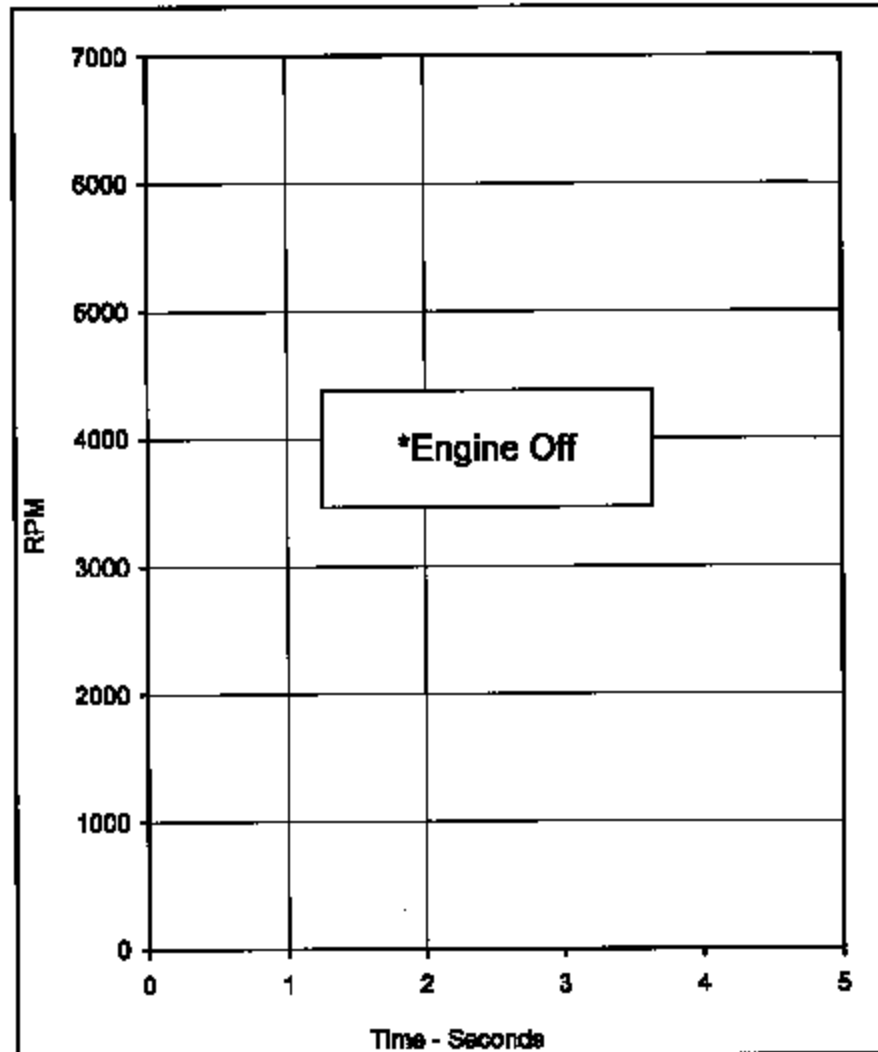
TR-P25009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	50.1	0.0	250.0	5

Test Program: FMVSS 124 (Spring #3 Disconnected)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

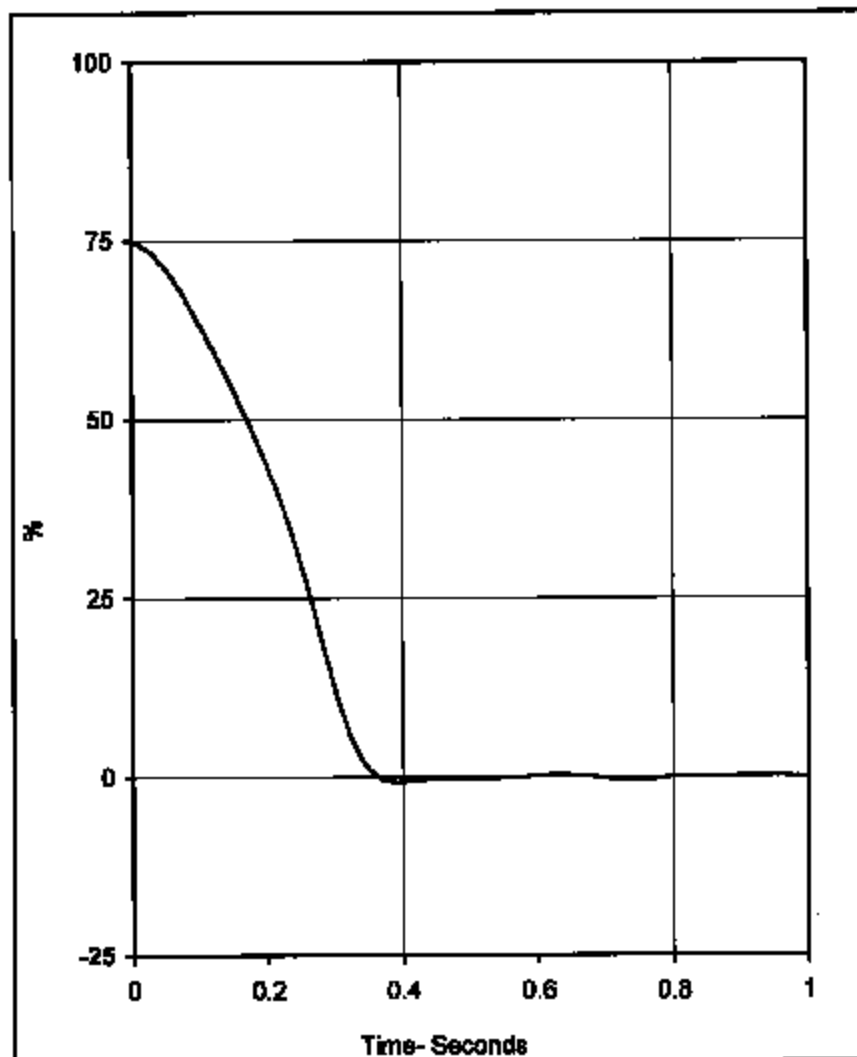
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date: 06/07/05
 NHTSA No.: C50106



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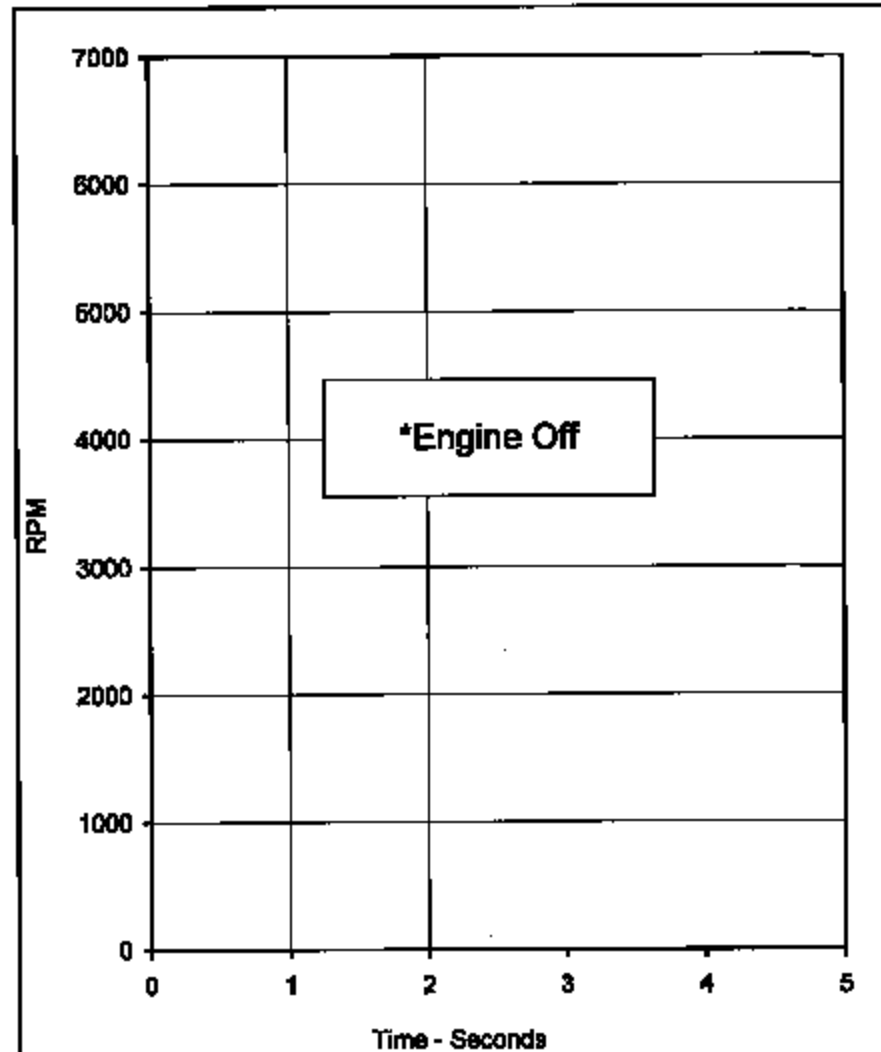


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.0	0.0	360.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2006 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

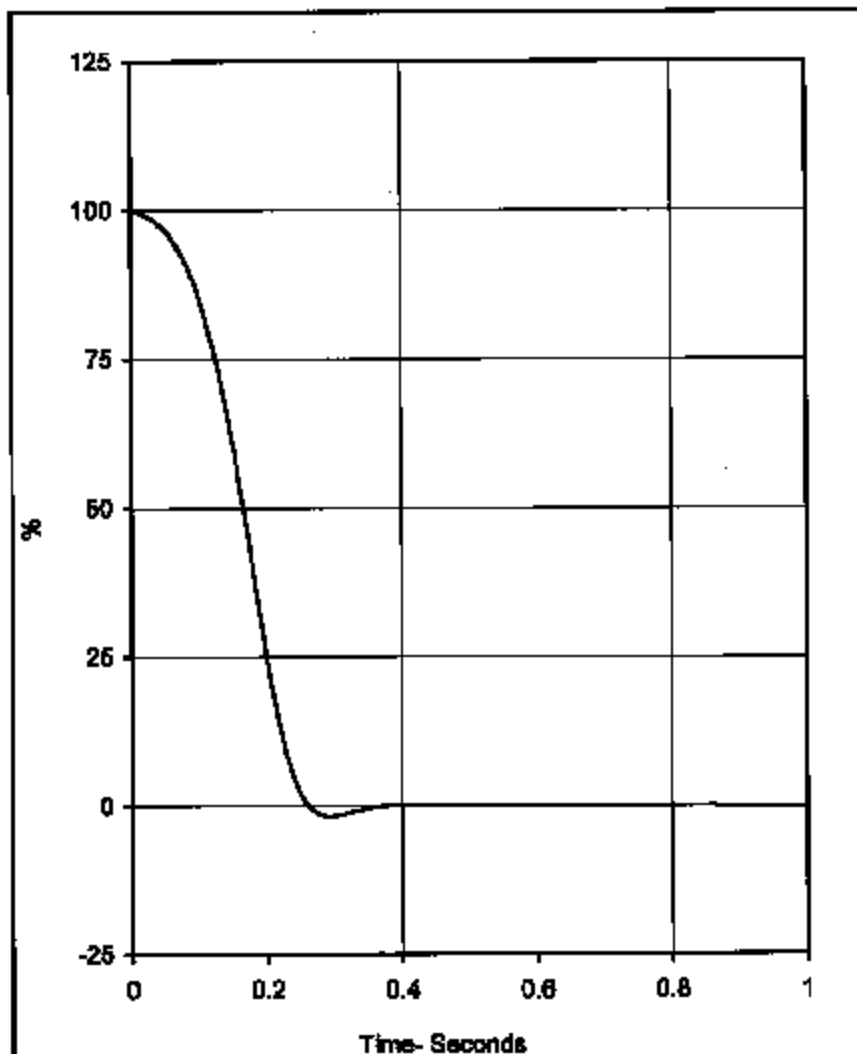
Test Date:
NHTSA No.:

08/07/05
C50105



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TR-P2B008-02-NC

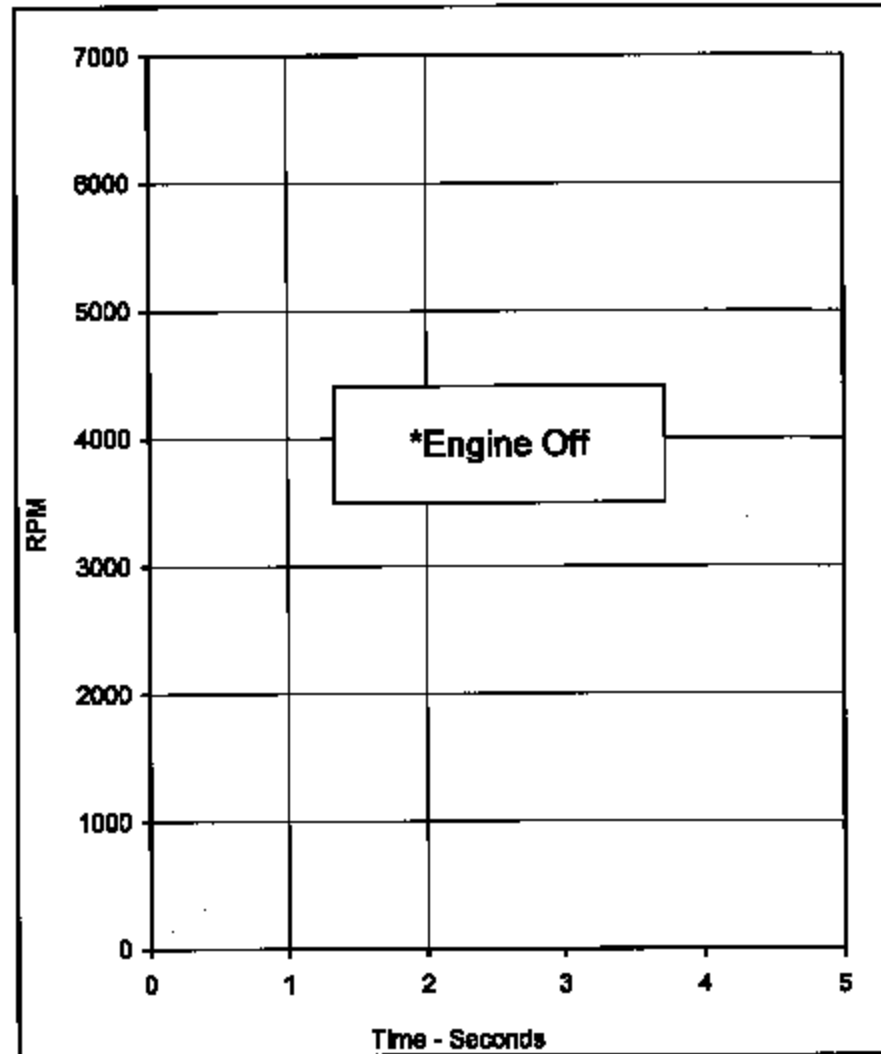


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.0	0.0	260.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Spring #3 Disconnected)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

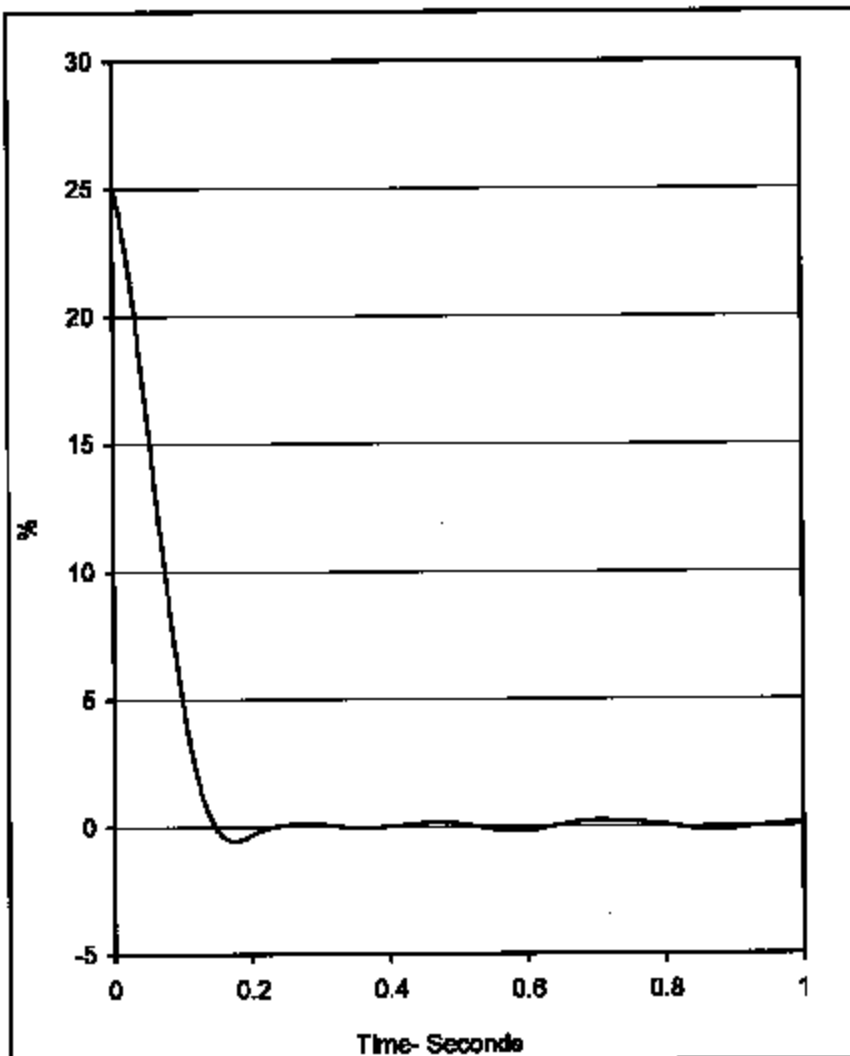
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Data:
NHTSA No.:

06/07/05
C50105



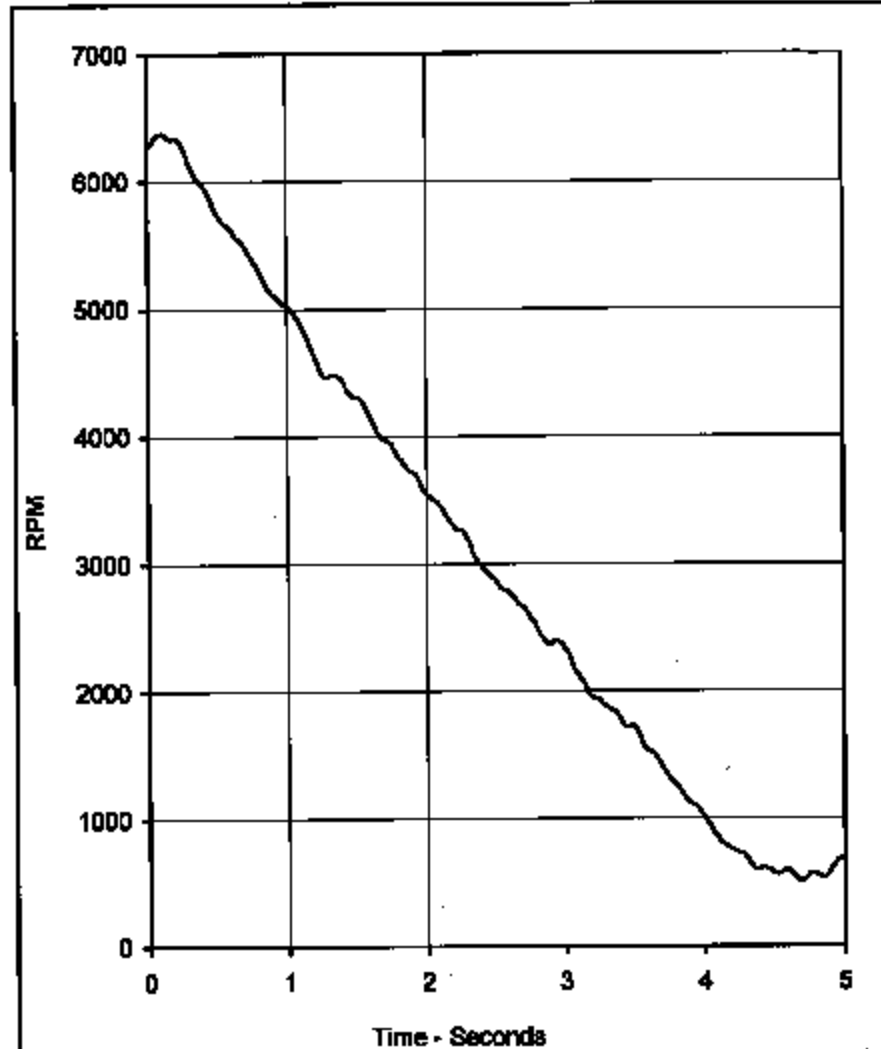
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Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.1	0.0	140.0	5

Test Program: FMVSS 124 (Severance of Throttle Cable)
 Test Vehicle: 2006 Chevrolet Aveo 4-Door Pass. Car



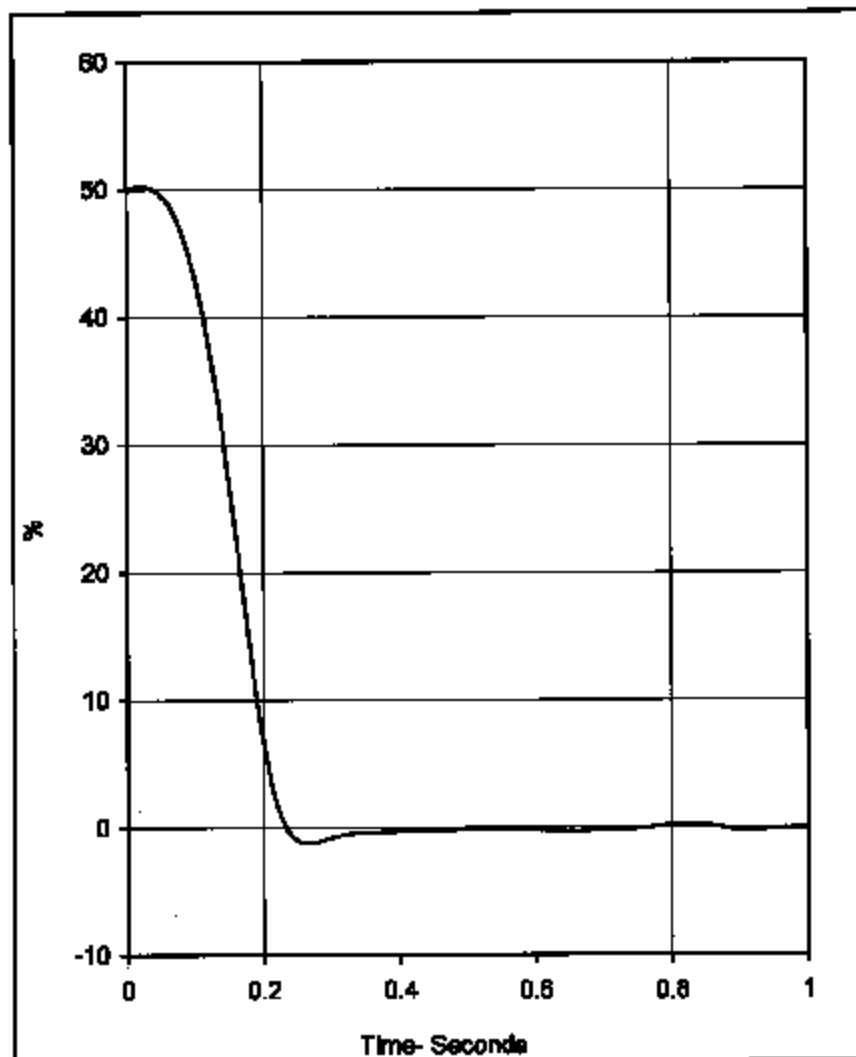
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6374.9	0.1	510.9	4.7	5

Test Date: 08/07/05
 NHTSA No.: C60105



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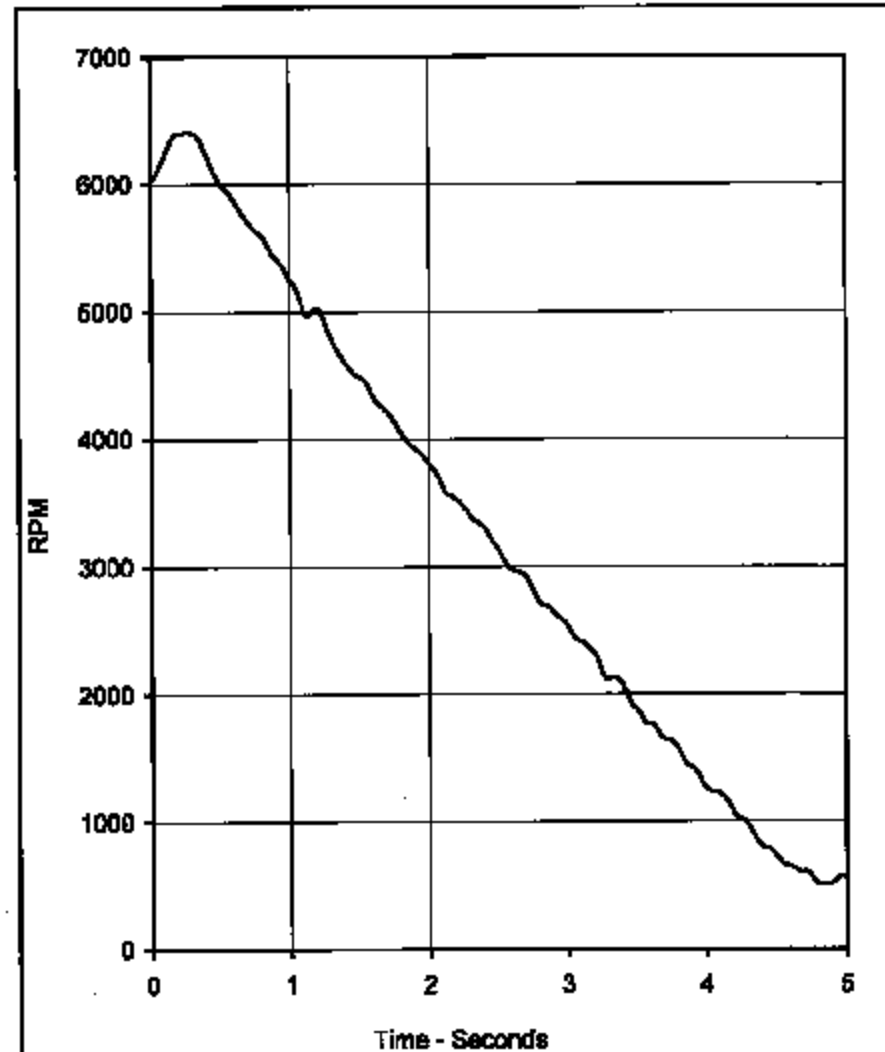


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	60.2	0.0	230.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Severance of Throttle Cable)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6413.0	0.3	503.6	4.8	5

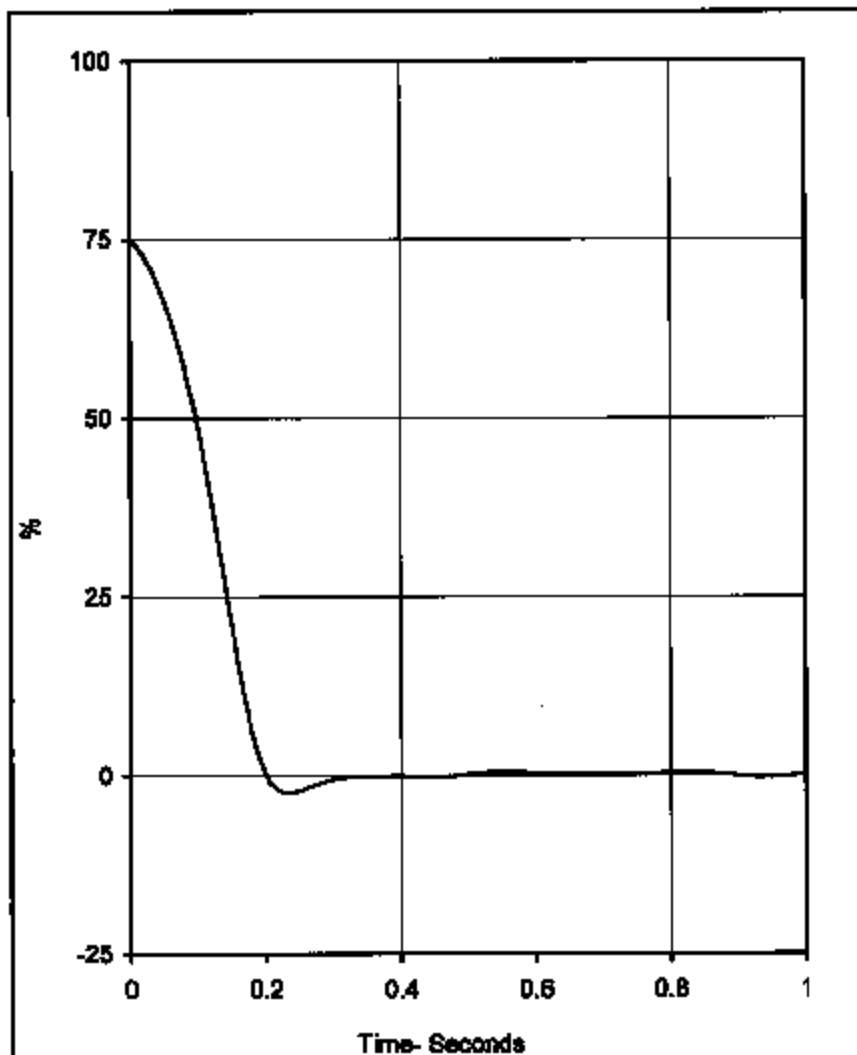
Test Date:
NHTSA No.:

06/07/06
C50105



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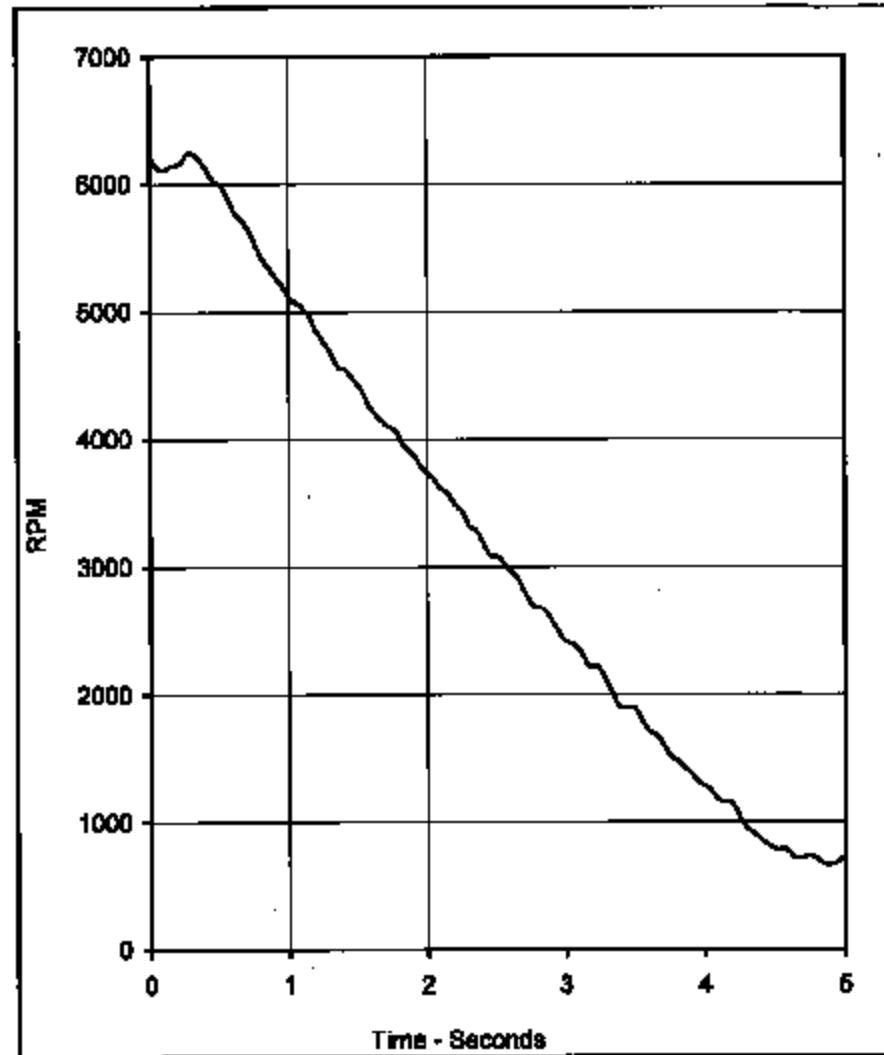
TR-P25009-02-NC



Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	75.0	0.0	200.0	5

Test Program: FMVSS 124 (Severance of Throttle Cable)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

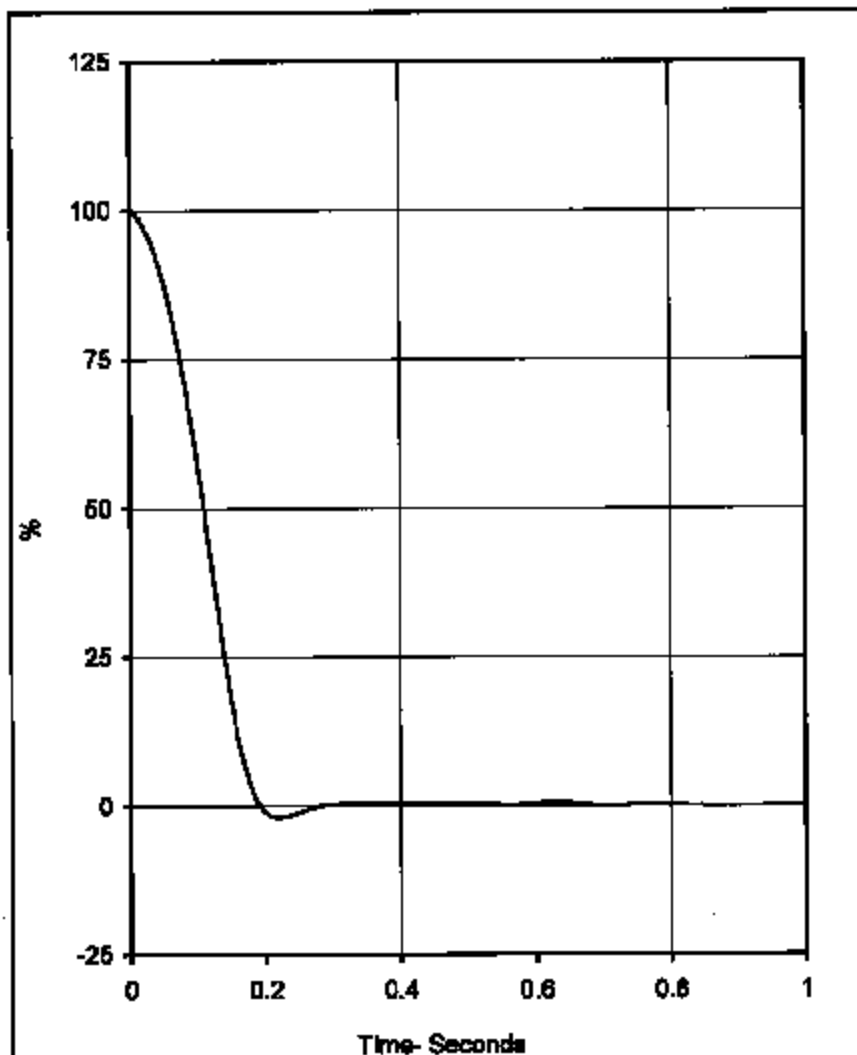
Units	Max	Time	Min	Time	Filter (Hz)
RPM	6250.8	0.3	665.2	4.9	5

Test Date: 06/07/06
 NHTSA No.: C50105



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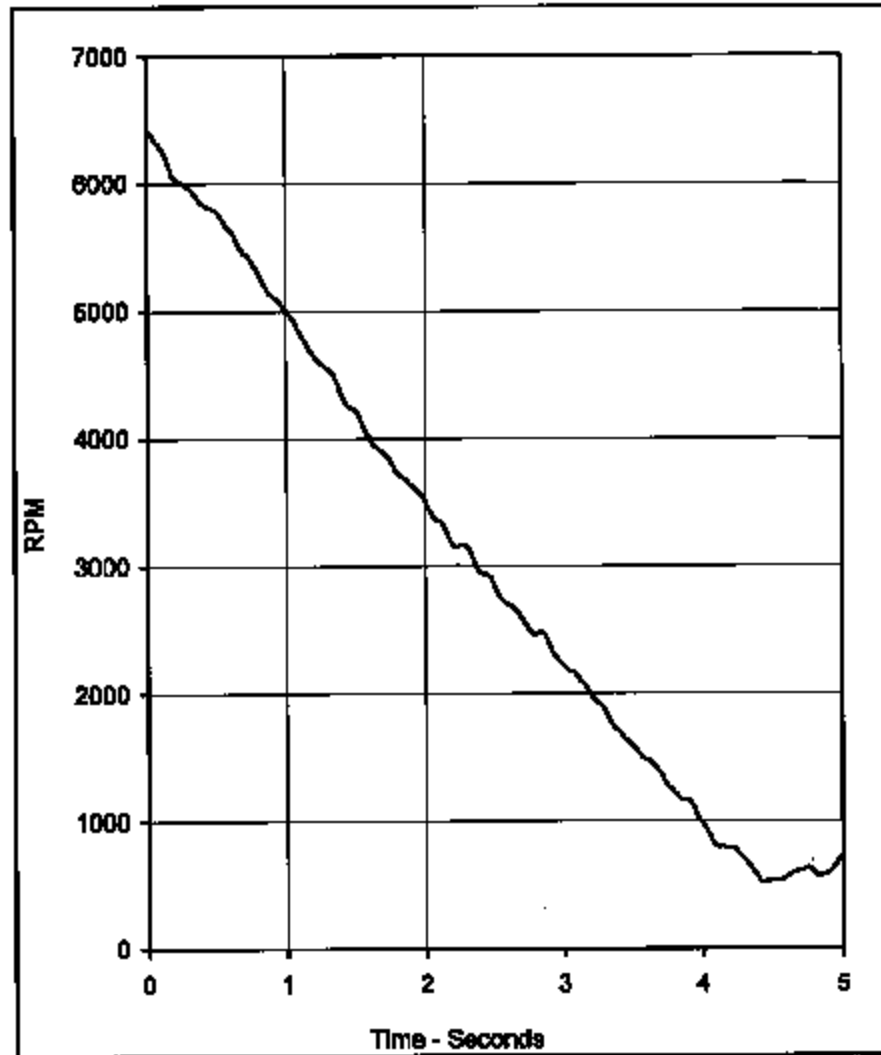


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	190.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Severance of Throttle Cable)
2005 Chevrolet Aveo 4-Door Pass. Car



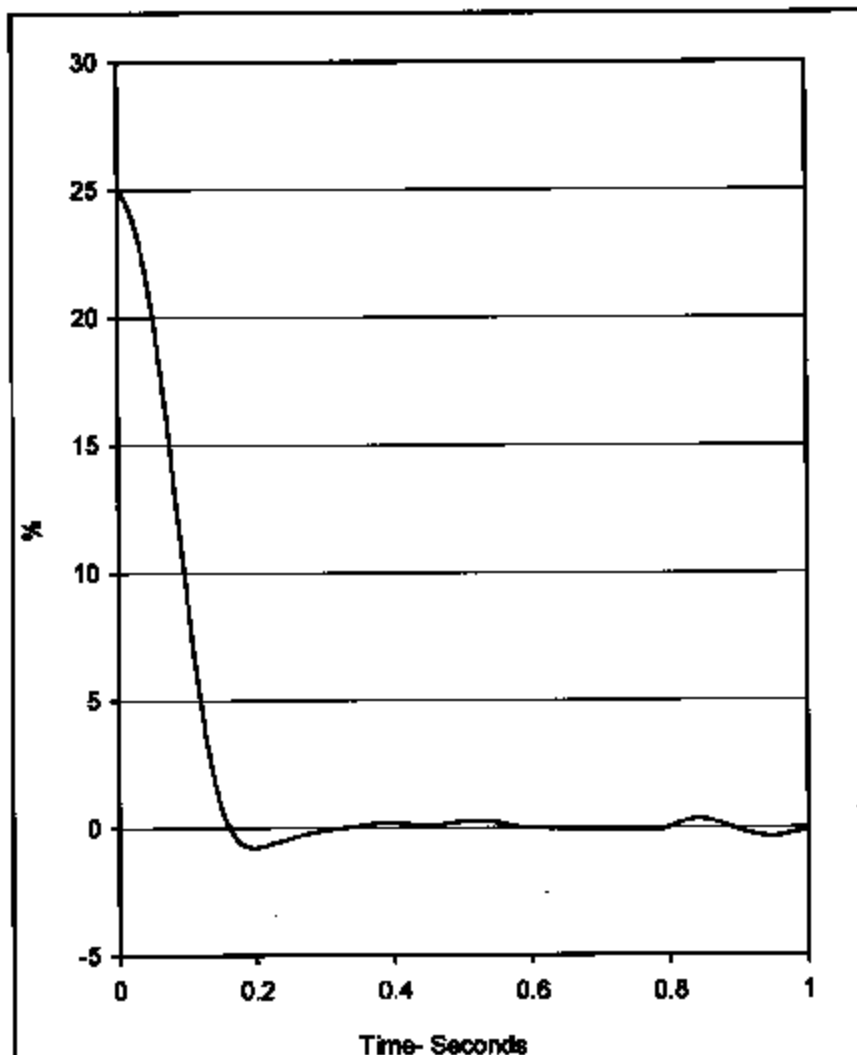
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM	6428.4	0.0	522.9	4.4	6

Test Date:
NHTSA No.:

06/07/05
C50106



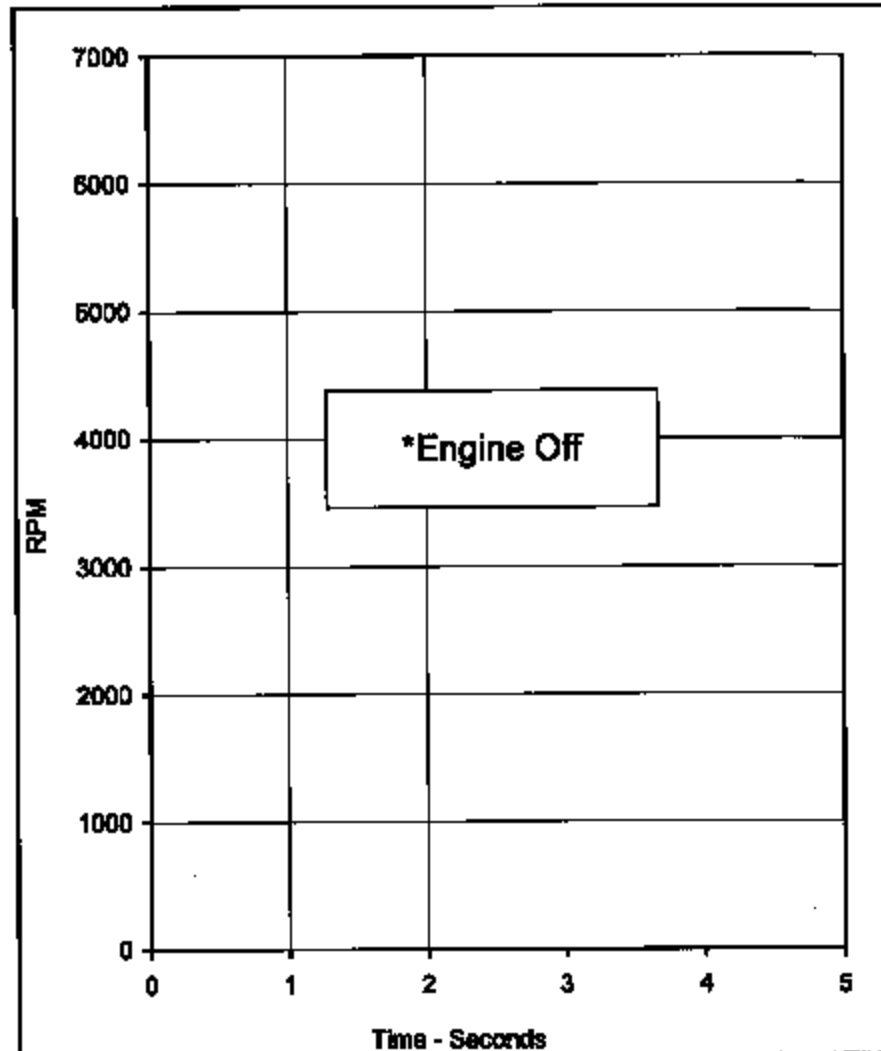


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	25.0	0.0	160.0	6

Test Program:
Test Vehicle:

FMVSS 124 (Severance of Throttle Cable)
2006 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

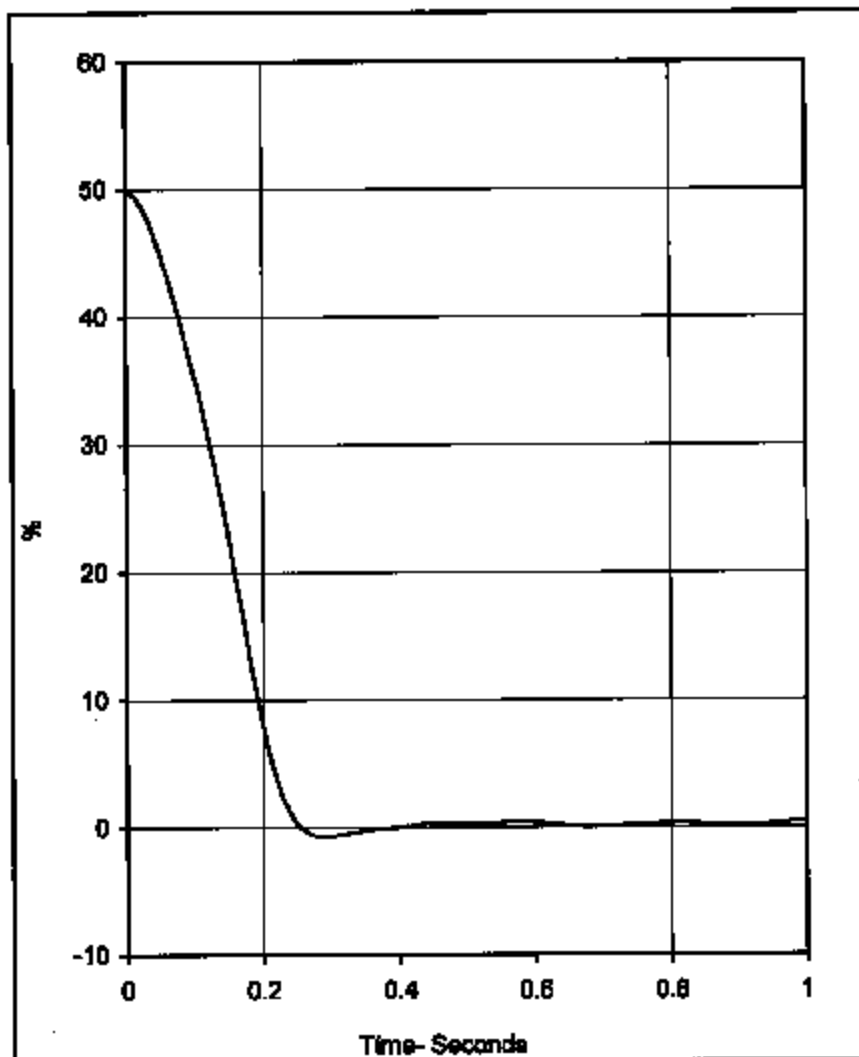
Test Date:
NHTSA No.:

06/07/05
C50105



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TR-P25009-02-NC

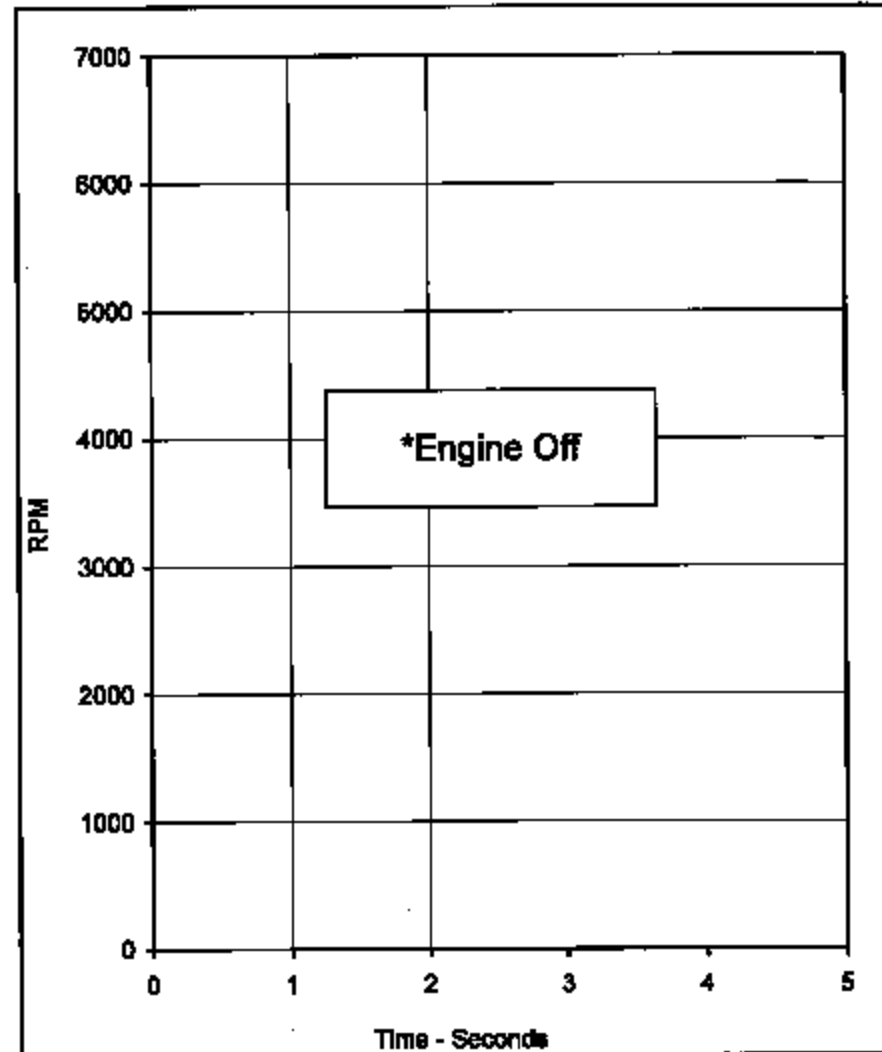


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	60.0	0.0	250.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Severance of Throttle Cable)
2005 Chevrolet Aveo 4-Door Pass. Car



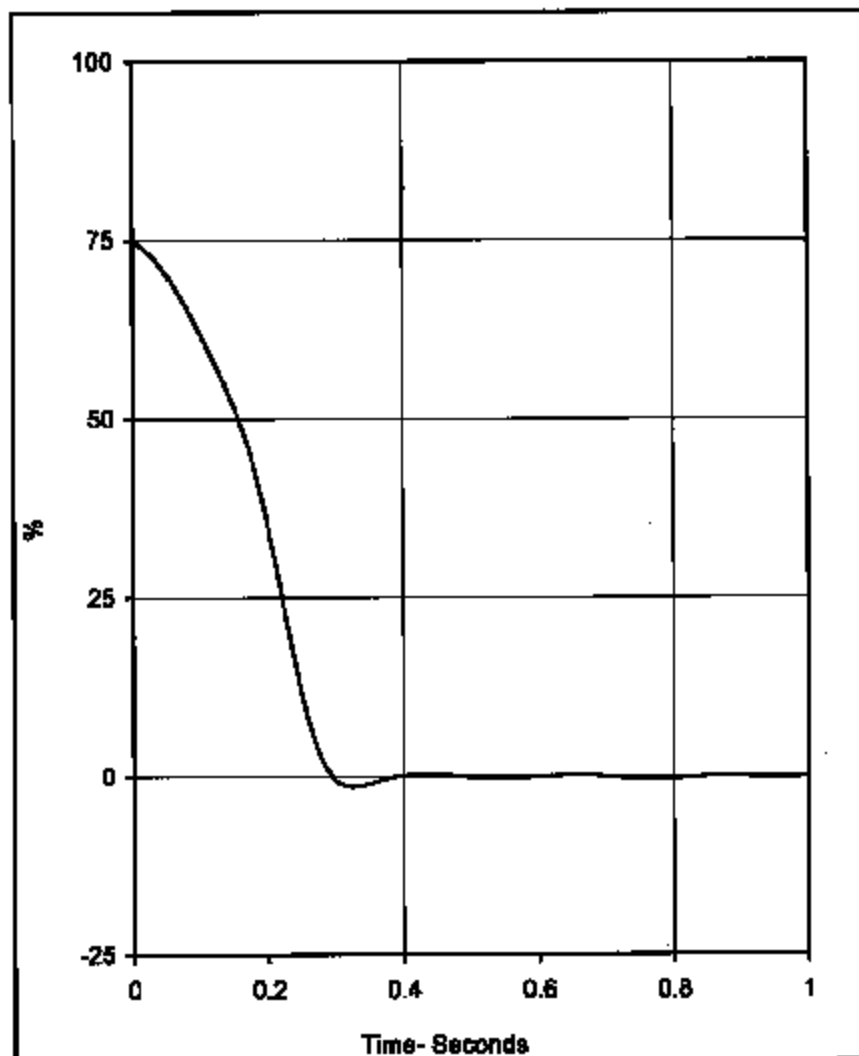
Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:
NHTSA No.:

06/07/05
C50106

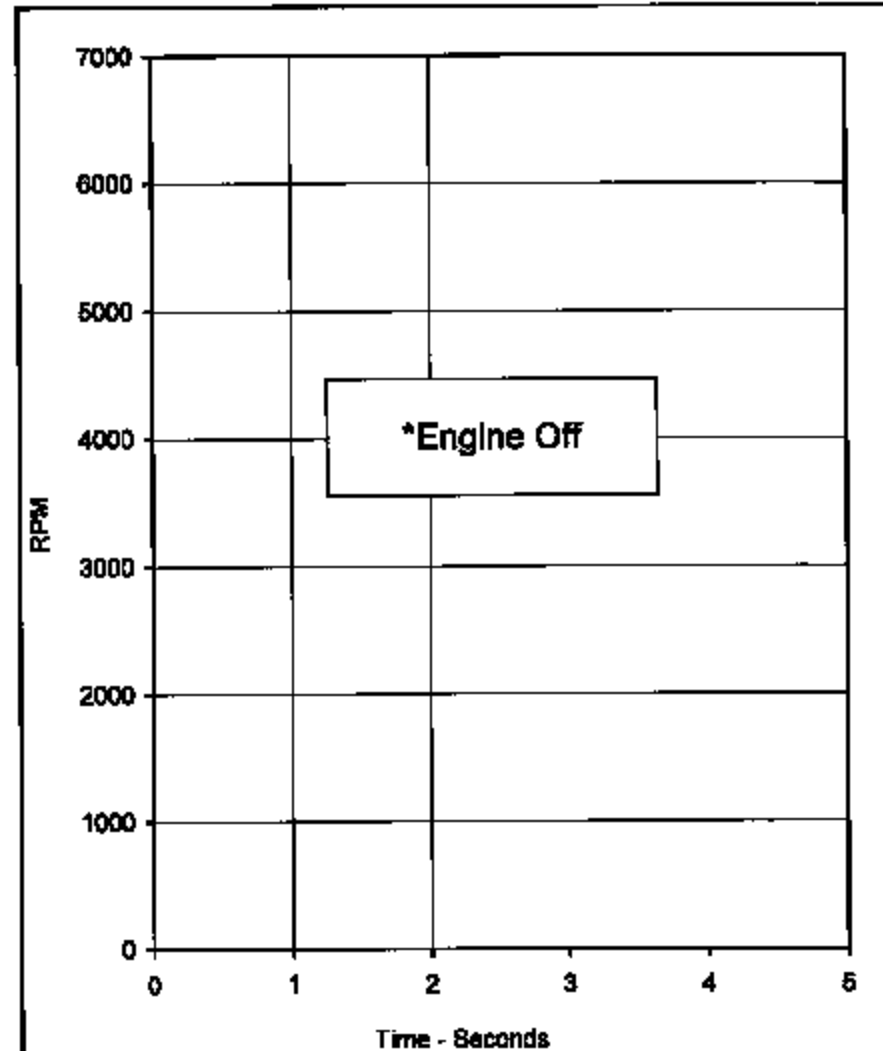




Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	74.9	0.0	290.0	5

Test Program: FMVSS 124 (Severance of Throttle Cable)
 Test Vehicle: 2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

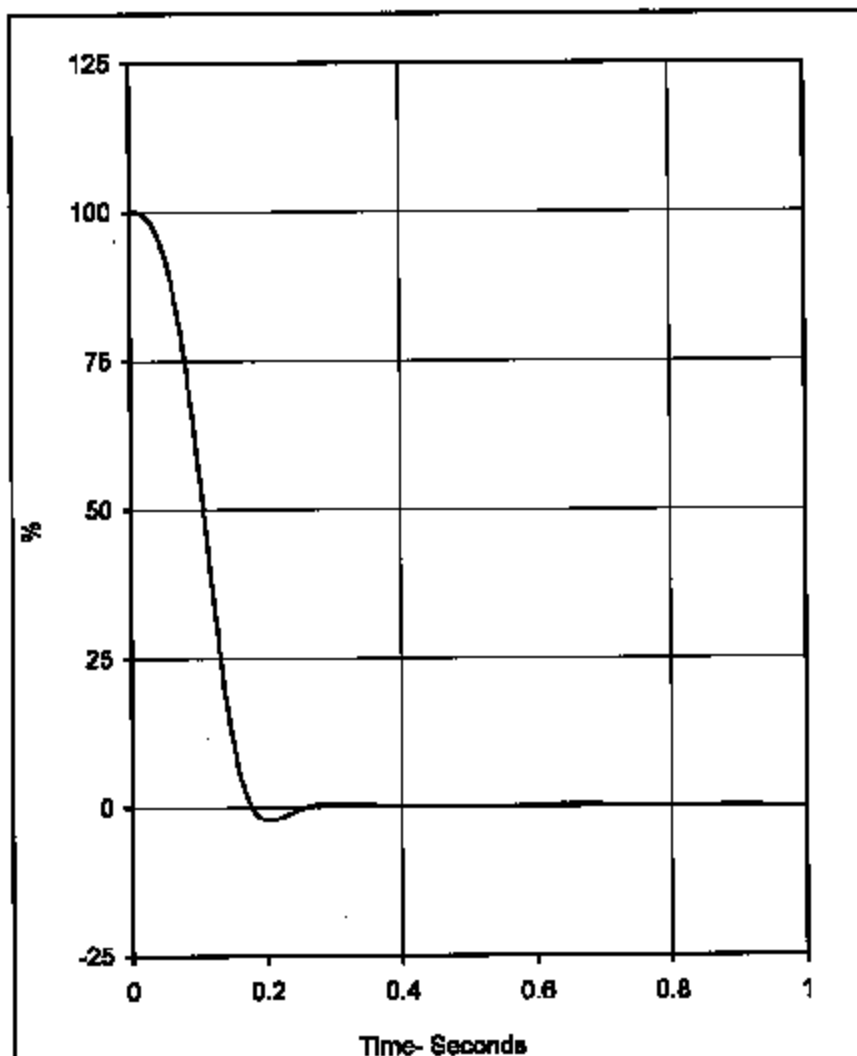
Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date: 06/07/05
 NHTSA No.: C60105



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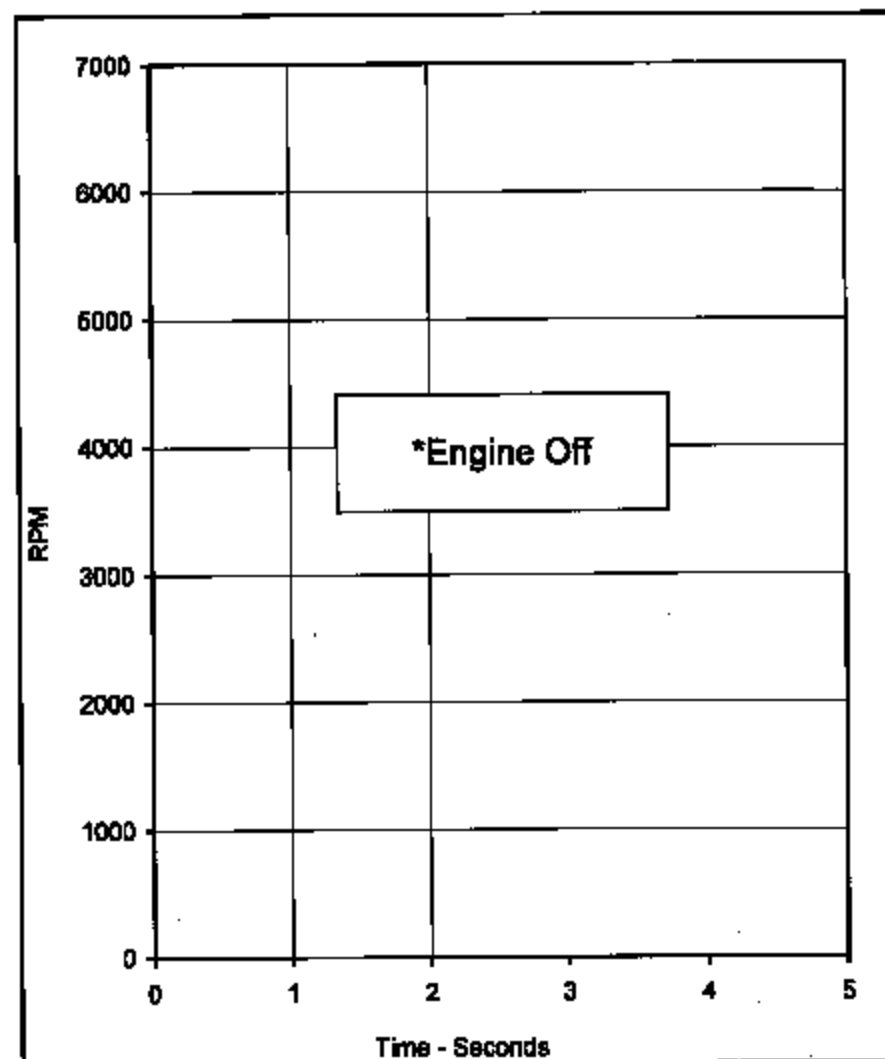


Curve Description	CURNO	Type
Throttle Position vs. Time	001	FIL

Units	Max	Time	Return Time (msec)	Filter (Hz)
%	100.2	0.0	180.0	5

Test Program:
Test Vehicle:

FMVSS 124 (Severance of Throttle Cable)
2005 Chevrolet Aveo 4-Door Pass. Car



Curve Description	CURNO	Type
Engine RPM vs. Time	002	FIL

Units	Max	Time	Min	Time	Filter (Hz)
RPM					

Test Date:
NHTSA No.:

06/07/06
C50105



APPENDIX C
TEST EQUIPMENT LIST

**FMVSS 124 Accelerator Control Systems
Test Equipment List and Calibration Information**

06/07/05

2005 Chevrolet Aveo 4-Door Pass. Car

Description	Manufacturer	Model No.	Serial No.	Limit	Accuracy	Cal. Date	Due Cal.
TDAS	DTS	TDAS	DM0101	N/A	SAE J211	11/14/04	11/14/05
Computer	Panasonic	CF-71	81MAA01852	N/A	N/A	N/A	N/A
Optical 5th Wheel	Datron	DLS-2	06-262	150 MPH	± 1.0%	04/09/05	04/09/06
Displacement Xdcr.	Celeasco	PTX101-0030	J0654653	76 CM	± 1.0%	Each Use	

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