APPENDIX 9

DEC NYVIP Test Script

NY-VIP Verification Test Script NYMA - Version #3 (April 2, 2004)

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #1: Fail for KO/EO Visual MIL Check Redundant	Run through NYTEST Inspection for Vehicle # __. To cause a failure, note that the MIL is "Off" under KO/EO. NY-VIP should display the failing KO/EO MIL check result on the screen, but still fail for KO/EO. Continue with passing answers to the remainder of the OBD inspection. Communication to the OBD II system is achieved, and no diagnostic trouble codes (DTCs) were found. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - PWM Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready When using the Ease simulator, the initial PID count and PCM Module ID will always be defaulted to the same value. These values depend on the version of EASE software. The second PID count and PCM Module ID will always be blank. Also, the EASE unit always defaults the A/C system Refrig. Monitor as "Not Ready."	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD Communication Protocol: P MIL in KO/EO: N/F MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor-specific readiness result as listed to left. Test fee:
STEP #2: Pass for KO/EO Visual MIL Check after Changed Redundant	Run through NYTEST Inspection for Vehicle # __. To cause a failure, note that the MIL is "Off" under KO/EO. NY-VIP should display the failing KO/EO MIL check result on the screen, but now change to light on during KO/EO (pass). Continue with passing answers to the remainder of the OBD inspection. Communication to the OBD II system is achieved, and no diagnostic trouble codes (DTCs) were found. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: P OBD Communication Protocol: P

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Under Protocol - PWM Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections.	MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P
	Misfire Ready Fuel System Ready Component Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	Monitor-specific readiness result as listed to t left: Test fee:
STEP #3: No communication.	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle fails the KO/EO MIL check (no light) and passes the KO/ER check (no light). Respond with passing answers to queries for data link connector (DLC) and analyzer connector, but communication with the vehicle can not be achieved. Voltage as determined by DEC is > 9 volts. The Ease Simulator is not needed for this test script item.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 4 Voltage: determined by DE OBD Check Result: F OBD Communication Protocol: blank MIL in KO/EO: N/F MIL on KO/ER: N/P MIL Commanded On: blank Overall Readiness: blank Test fee:
STEP #4: No communication.	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle passes the MIL visual checks, but communication with the vehicle cannot be achieved. Connectors	Evaluate the INSPREC.DAT file for the following:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
Redundant	look OK. Voltage as determined by DEC as < 9 volts. The Ease Simulator is not needed for this test script item.	Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 4 Voltage: determined by DEC OBD Check Result: F OBD Communication Protocol: blank MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: blank Overall Readiness: blank Test fee:
STEP #5: No communication due to broken NY-VIP connector. This should invoke a lock-out so DMV must complete this test - Redundant	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle passes the MIL visual checks, but communication with the vehicle cannot be achieved. The inspector selects that the NY-VIP connector is broken or missing. The next inspection should be lock-out until the connector is fixed and the lock-out cleared. (Specification, Section 3-11.1.7) The Ease Simulator is not needed for this test script item.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 1 OBD Check Result: F OBD Communication Protocol: blank MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: blank Overall Readiness: blank Test fee:
STEP #6: Communication is not possible due to a broken vehicle DLC. Redundant	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle passes the MIL visual checks, but communication with the vehicle cannot be achieved. The vehicle's DLC is broken. The Ease Simulator is not needed for this test script item.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 2

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
		OBD Check Result: F OBD Communication Protocol: blan MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: blan Overall Readiness: blan Test fee:
STEP #7: Communication is not possible as the vehicle DLC is missing. Redundant	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle passes the MIL visual checks, but communication with the vehicle cannot be achieved. The vehicle's DLC is missing. The Ease Simulator is not needed for this test script item.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 3 OBD Check Result: F OBD Communication Protocol: blan MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: blan Overall Readiness: blan Test fee:
STEP #8: Communication is not possible as the inspector cannot find the vehicle DLC. Redundant	Run through a NY-VIP Inspection for a Vehicle # __. The vehicle passes the MIL visual checks, but communication with the vehicle cannot be achieved. The vehicle's DLC cannot be located. The Ease Simulator is not needed for this test script item.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Stopped Test Reason: 5 OBD Check Result: F OBD Communication Protocol: blan MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: blan Overall Readiness: blan

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #9: Fail for KO/ER Visual MIL Check, MIL Commanded On w/DTC, Variable Pulse Width (VPW)	Run through NY-VIP Inspection for Vehicle # __. To cause a failure, note that the MIL is "On" during KO/ER. Continue with passing answers to queries for KO/ER, vehicle data link connector (DLC), and analyzer connector. Communication to the OBD II system is achieved, MIL is commanded on with a stored DTC. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - VPW Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - P3333 Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Unsupported	Test fee: Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD DTC 1 P3333 OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: Y/F MIL Commanded On: N/P Overall Readiness: P Monitor-specific readiness result as listed to the left:
STEP #10: NY-VIP overrides an erroneous KO/ER MIL check. Vehicle eventually passes. Redundant	Run through NY-VIP Inspection for a Vehicle # __. Answer with a passing response to the visual KO/EO MIL check. Note that the MIL is On during the KO/ER check (but make sure the MIL is Commanded Off by the Ease Simulator). Communication is achieved, and NY-VIP detects that the MIL is not commanded on. NYTEST asks the inspector if the MIL is on during KO/ER. The inspector responds "No," and NYTEST overrides the earlier finding. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141 Under OBD Level - Select OBD II (CA ARB)	Test fee: Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: I MIL in KO/EO: Y/P MIL on KO/ER: A MIL Commanded On: N/P

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Unsupported	Overall Readiness: P Monitor-specific readiness result as listed to the left: Test fee:
STEP #11: OBD Pass	Run through NY-VIP Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - PWM Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Unsupported	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: P MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor-specific readiness result as listed to the left: Test fee:

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #12: Readiness Failure For All Monitors Not Ready	Run through NY-VIP Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Communication is achieved, but all monitors are found "Not Ready." Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - PWM Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Not Ready Fuel System Not Ready Component Not Ready Catalyst Not Ready Heated Catalyst Not Ready EVAP System Not Ready Secondary Air Not Ready A/C Sys Refrig Not Ready Oxygen Sensor Not Ready O2 Sensor Heater Not Ready EGR System Not Ready	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD Communication Protocol: P MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: F Monitor-specific readiness result as listed to the left: Test fee:
STEP #13: Failure for Multiple Readiness	Run through NYTEST Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Communication is achieved, but all monitors are found "Not Completed." Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - VPW Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: F

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Misfire Ready Fuel System Ready Component Ready Catalyst Not Ready Heated Catalyst Ready EVAP System Not Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Not Ready	Monitor-specific readiness result as listed to the left: Test fee:
STEP #14: Fails for KO/ER MIL Check, MIL Commanded on with DTCs stored.	Run through NY-VIP Inspection for Vehicle # __. Vehicle fails for the MIL check during KO/ER, MIL is commanded on, and DTCs stored. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - VPW Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - P0103, P0205, P3489 Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Unsupported	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD DTC 1 P0103 OBD DTC 2 P0205 OBD DTC 3 P3489 OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: Y/F MIL Commanded On: Y/F Overall Readiness: P Monitor-specific readiness result as listed to the left: Test fee:
STEP #15: Fails for KO/ER	Run through NYTEST Inspection for Vehicle # __. Vehicle fails for the MIL check	Evaluate the INSPREC.DAT file for the

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
MIL Check/MIL Commanded On with DTCs stored /Multiple Readiness	during KO/ER, MIL is commanded on with DTCs stored, overall readiness. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - VPW Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - P0303, P2093, P1666, U0029, and P1234 Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Not Ready Heated Catalyst Unsupported EVAP System Not Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Not Ready O2 Sensor Heater Unsupported EGR System Unsupported	following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD DTC 1 P030 OBD DTC 2 P209 OBD DTC 3 P166 OBD DTC 4 U002 OBD DTC 5 P123 OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: Y/F MIL Commanded On: Y/F Overall Readiness: F Monitor-specific readiness result as listed to th left: Check for the accuracy of the DTC description
STEP #16: Failure for Readiness	Run through NYTEST Inspection for Vehicle #__. Answer with passing responses to the visual MIL checks and complete the simulation. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready	Test fee: Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: F

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Component Ready Catalyst Not Ready Heated Catalyst Unsupported EVAP System Not Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Not Ready O2 Sensor Heater Un supported EGR System Not Ready	Monitor-specific readiness result as listed to th left: Test fee:
STEP #17: MIL Commanded On with no DTCs stored. KOER Fail	Run through NY-VIP Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Not Ready	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: Y/F Overall Readiness: P Monitor-specific readiness result as listed to th left: Test fee:
STEP #18: : MIL Commanded On with no DTCs stored. KOER Pass	Run through NY-VIP Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation.	Evaluate the INSPREC.DAT file for the following:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor-specific readiness result as listed to the left: Test fee:
STEP #19: Fails for KO/ER	Run through NYTEST Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, vehicle data link connector (DLC), and analyzer connector prior to simulation, but vehicle fails KO/ER MIL check. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - none Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F OBD DTC 1 OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: Y/F MIL Commanded On: Y/F Overall Readiness: P Monitor-specific readiness result as listed to the

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	left: Test fee:
STEP #20: Change from gas to natural gas vehicle Pass Redundant	Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Change fuel type from gasoline to natural gas. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	Evaluate the INSPREC.DAT file for the following: Fuel type: G Fuel Type Change: C Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor specific readiness result as listed to the left: Test fee:
STEP #21: Propane-fueled Vehicle Fails for KO/ER MIL Check, MIL Commanded On with a DTC stored	Run through a NY-VIP Inspection for propane-fueled Vehicle # __. Answer with passing responses to queries concerning KO/EO, vehicle data link connector (DLC), and analyzer connector prior to simulation. Fails for KO/ER MIL check. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141	Evaluate the INSPREC.DAT file for the following: Fuel Type: P Inspection Test Type: B Initial Inspection Results: F

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select On Under Stored DTC's - P0203 Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Ready EGR System Ready	OBD Check Result: F OBD DTC 1 P0203 OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: Y/F MIL Commanded On: Y/F Overall Readiness: P Monitor-specific readiness result as listed to the left: Test fee:
Evaluate the YYYYMMDD.RED small file by varying the Ease Simulator inputs for each test as specified.		
STEP #22: Any MY 1996 Mitsubishi	Set all monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #23: Any MY 1997 Mitsubishi	Set all monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #29: MY 1997 Toyota Paseo	Set the A/C, CAT, and EVAP, monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type:] Initial Inspection Results:] Confirm make, model, and model year.
STEP #30: Any MY 1996 Volvo	Set all monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type:] Initial Inspection Results:] Confirm make, model, and model year.
STEP #31: Any MY 1997 Volvo	Set all monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type:] Initial Inspection Results:] Confirm make, model, and model year.
STEP #32: Any MY 1996 Other Than the Exceptions	Set the A/C and one other monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type:] Initial Inspection Results:] Confirm make, model, and model year.
STEP #33: Any MY 1996 Other Than the Exceptions	Set the A/C and two other monitors as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type:] Initial Inspection Results:] Confirm make, model, and model year.
STEP #34: Any MY 1997 Other	Set the A/C and one other monitor as Not Ready.	Evaluate the INSPREC.DAT file for the

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #40: Any MY 2000 vehicle	Set the A/C and one other monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #41: Any MY 2000 vehicle	Set the A/C and two other monitors as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #42: Any MY 2001 vehicle	Set the A/C monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #43: Any MY 2001 vehicle	Set the A/C and the O2 Sensor monitor as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: Confirm make, model, and model year.
STEP #44: Any MY 2002 vehicle	Set the A/C monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the	Evaluate the INSPREC.DAT file for the following:

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	Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Not Ready Heated Catalyst Not Ready EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Not Ready O2 Sensor Heater Unsupported EGR System Ready	MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: F 10-day Extension Issued Y Monitor-specific readiness result as listed to t left: The Inspection Receipt, Station Performanc Report, and Inspection Detail Report should note the 10-day extension. Test fee:
STEP #50: Re-inspection of a 10-day Extension Failure From step 49. Should not issue second extension Failure for Readiness	Scan the Re-inspection barcode from Step #54. Run through NY-VIP Inspection for Vehicle # __. Vehicle passes all components (Safety, ECD, and OBD) except for readiness. Inspector claimed that the vehicle's sticker had expired and was removed. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Not Ready Heated Catalyst Not Ready EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Not Ready	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: F 10-day Extension Issued N Monitor-specific readiness result as listed to t left: Test fee:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
ECD checks.	Equipped."	Inspection Type: 1 Transaction Method: blank or B Inspection Test Type: B Initial Inspection Results: F ECD Check Result: F PCV: F CAT: N IR: N EGR: N TAC: N AIS: N EVAP: F Test fee:
STEP #53 - The same vehicle is from Step#52 is presented for re-inspection, but fails the OBD test.	The vehicle should be presented by NY-VIP as a re-inspection. NY-VIP should not require a safety inspection. The vehicle passes the ECD check, but fails the OBD portion for KO/EO, KO/ER, and no communication.	Evaluate the INSPREC.DAT file for the following: Inspection Type: 2 Transaction Method: blank or B Inspection Test Type: B Initial Inspection Results: F ECD Check Result: P Safety Inspection Results: blank Stopped Test Reason: 4 Voltage: should be recorded as 0, not blank OBD Check Result: F OBD Communication Protocol: blank MIL in KO/EO: N/F MIL on KO/ER: Y/F MIL Commanded On: blank Overall Readiness: blank Test fee:
STEP #54 - The same vehicle	The vehicle should be presented by NY-VIP as a re-inspection. NY-VIP should not	Evaluate the INSPREC.DAT file for the

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
		Safety Inspection Result: F OBD Check Result: P OBD Communication Protocol: V MIL in KO/EO: Y/I MIL on KO/ER: N/I MIL Commanded On: N/I Overall Readiness: P Test Fee:
STEP #57 - Pending code	A vehicle should be presented for inspection with a pending code. Since the MIL is not commanded on, the vehicle should pass the inspection. The EASE simulator should be formatted as follows: Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - P0113 Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Ready EVAP System Ready Secondary Air Ready A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Ready EGR System Ready	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P DTC #1- #5 blan
STEP #58 - Acceptable Waiver	Fail Vehicle # __ for an OBD MIL Commanded On failure. Complete the Waiver Form with repairs in excess of $450.	Evaluate the INSPREC.DAT file for the following:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	acceptable (DEC test procedure). NY-VIP should display screen(s) to the inspector to check to see if the vehicle was manufactured for sale in Canada. This exceptions practice should apply to those vehicles listed in EPA's Exceptions guidance dated October 2002, Appendix E .	
STEP #64 - Re-inspection using the Inspection Receipt Barcode	Disconnect from the TESTCOM server for an off-line inspection. After two failed attempts, the NY-VIP should allow for the barcodes to be scanned from an Inspection Receipt completed at another facility. Once scanned, the VIN, year, make, body style, and fuel type cannot be changed. (Specification, Section 3-7). Repeat the same test sequence but with the initial inspection completed more than 30 days ago. This vehicle should be treated as an original inspection.	
STEP #65 - Keyless Ignition check		
STEP #66 -1996 NYMA Vehicle		
STEP #67 -1997 NYMA Vehicle		
STEP #68 - Contractor's Rep Menu	The password to the Contractor's Rep Menu is to change daily. TESTCOM needs to provide DEC/DMV with the listing of daily passwords during acceptance testing. (Specification, Section 4-2B.6)	
STEP #69 - Enter the Odometer Reading in Kilometers Redundant	NY-VIP will allow for the odometer reading to be input as kilometers, but then makes the conversion. Check the calculation and note the required prompts. (Specification, Section 4-3.4B.5). The Inspection Receipt should note that NY-VIP calculated from kilometers (Specification, Section 4-3.9)	
STEP #70 - NY-VIP Report Review	Each day of acceptance testing should have both on-line and off-line testing. At the conclusion of each day's testing, review the Inspection Receipts, INSPREC.DAT files, Waiver Form(s), Station Performance Report, Analyzer Status Report, Sticker Usage Report, Repair Effectiveness Report, Daily Report, and Inspection Detail Report.	

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteri
STEP #77 - 8500- 18000 Lb Gas Powered NYMA Vehicle 1995		
STEP #78 - 8500- 18000 Lb Gas Powered NYMA Vehicle 1975		
STEP #79 - Over 18000Lb Gas Powered NYMA 2004 Truck		
STEP #80 - Over 18000Lb Gas Powered NYMA 1995 Truck		
STEP #81 - Over 18000Lb Gas Powered NYMA 1975 Truck		
STEP #82 - Diesel Greater Than 8500lb NYMA		

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	left: Test fee:
STEP #20: Change from gas to natural gas vehicle Pass Redundant	Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Change fuel type from gasoline to natural gas. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - Keyword 2000 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	Evaluate the INSPREC.DAT file for the following: Fuel type: G Fuel Type Change: C Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: K MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor specific readiness result as listed to the left: Test fee:
STEP #21: Propane-fueled Vehicle Fails for KO/ER MIL Check, MIL Commanded On with a DTC stored	Run through a NY-VIP Inspection for propane-fueled Vehicle # __. Answer with passing responses to queries concerning KO/EO, vehicle data link connector (DLC), and analyzer connector prior to simulation. Fails for KO/ER MIL check. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141	Evaluate the INSPREC.DAT file for the following: Fuel Type: P Inspection Test Type: B Initial Inspection Results: F

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #24: Any MY 1998 Mitsubishi	Set the A/C, CAT, and EVAP monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #25: Any MY 1996 Nissan	Set the A/C, CAT, O2 Sensor, and EVAP monitors as Not Ready The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #26: MY 1997 Nissan 200SX	Set the A/C, CAT, O2 Sensor, and EVAP monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #27: Any MY 1996 Subaru	Set all monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #28: MY 1997 Toyota Tercel	Set the A/C, CAT, and EVAP, monitors as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
Than the Exceptions	The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #35: Any MY 1997 Other Than the Exceptions	Set the A/C and two other monitors as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #36: Any MY 1998 vehicle	Set the A/C and one other monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #37: Any MY 1998 vehicle	Set the A/C and two other monitors as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #38: Any MY 1999 vehicle	Set the A/C and one other monitor as Not Ready. The Inspection Receipt should not list any of the monitors as the vehicle passes the inspection. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: I Initial Inspection Results: I Confirm make, model, and model year.
STEP #39: Any MY 1999 vehicle	Set the A/C and two other monitors as Not Ready.	Evaluate the INSPREC.DAT file for the following:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	inspection. (Specification, Section 4-3.5.5(a))	Inspection Test Type: B Initial Inspection Results: P Confirm make, model, and model year.
STEP #45: Any MY 2002 vehicle	Set the A/C and the Heated CAT monitor as Not Ready. The Inspection Receipt should only list the "Not Ready" monitors that cause the failure. (Specification, Section 4-3.5.5(a))	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F Confirm make, model, and model year.
STEP #46: Any MY 2003 vehicle	NY-VIP should default this vehicle to a low enhanced I/M test. Pass the low enhanced test.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: L Initial Inspection Results: P
STEP #47: Test for alternative screen(s) with 1996 Mercedes Redundant	Ensure that the NY-VIP unit displays the alternate test sequence for the timing of the OBD connection. *The Ease Simulator is not needed for this test script item.*	
STEP #48: Test for Hybrid Vehicle Redundant	Ensure that the NY-VIP flow sequence correctly tests a hybrid vehicle. The OBD test sequence must consider the lack of an rpm reading. *The Ease Simulator is not needed for this test script item.*	
STEP #49: 10-day Extension Failure for Readiness Only/Vehicle Sticker Expired & Removed	Run through NY-VIP Inspection for Vehicle # __. Vehicle passes all components (Safety, ECD, and OBD) except for readiness. Inspector claimed that the vehicle's sticker had expired and was removed. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141 Under OBD Level - Select OBD II (CA ARB)	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Initial Inspection Results: F OBD Check Result: F MIL in KO/EO: Y/P

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
	O2 Sensor Heater Unsupported EGR System Ready	
These Steps exercise the ability for NY-VIP to properly track and charge the correct fees for re-inspections. The Steps should be repeated for off-line and on-line modes.		
STEP #51: Pass	Run through an initial NY-VIP Inspection for Vehicle # __. Answer with passing responses to queries concerning KO/EO, KO/ER, vehicle data link connector (DLC), and analyzer connector prior to simulation. Under Automatic Settings - Select Power to On @ 15 sec., Select On to Run @ 30 sec. Under Protocol - ISO 9141 Under OBD Level - Select OBD II (CA ARB) Under Commanded MIL - Select Off Under Stored DTC's - All should be blank Under I/M Monitors - Make the following selections. Misfire Ready Fuel System Ready Component Ready Catalyst Ready Heated Catalyst Unsupported EVAP System Ready Secondary Air Unsupported A/C Sys Refrig Not Ready Oxygen Sensor Ready O2 Sensor Heater Unsupported EGR System Ready	Evaluate the INSPREC.DAT file for the following: Inspection Type: 1 Transaction Method: blank or 1 Inspection Test Type: B Initial Inspection Results: P OBD Check Result: P OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Monitor-specific readiness result as listed to t left: Test fee:
STEP #52: The same vehicle from Step #51 is inspected, but this time fails for some of the	The vehicle should be presented by NY-VIP as an original inspection with the safety, ECD, and OBD portions being repeated. Use the same OBD inputs as Step #74. Fail the ECD inspection for PCV and EVAP with the remaining safety items as "Not	Evaluate the INSPREC.DAT file for the following:

Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
from Step#53 is presented for re-inspection. The vehicle passes the inspection.	require a safety inspection. Pass the vehicle as in Step #74. The test fee is the same as in Step #76.	following: Inspection Type: 2 Transaction Method: blank or B Inspection Test Type: B Initial Inspection Results: P Safety Inspection Results: blank Test fee:
STEP #55 - The same vehicle from Step#54 is presented for inspection. The vehicle fails the safety inspection.	The vehicle should be presented by NY-VIP as an original inspection with the safety, ECD, and OBD portions being repeated. Use the same OBD inputs as Step #74. Fail the safety inspection for several components.	Evaluate the INSPREC.DAT file for the following: Inspection Type: 1 Transaction Method: blank or B Inspection Test Type: B Initial Inspection Results: P ECD Check Result: P Safety Inspection Result: F OBD Check Result: P OBD Communication Protocol: V MIL in KO/EO: Y/P MIL on KO/ER: N/P MIL Commanded On: N/P Overall Readiness: P Test Fee:
STEP #56 - The same vehicle from Step#55 is presented for inspection. The vehicle fails the safety inspection.	The vehicle should be presented by NY-VIP as a safety only re-inspection. The ECD/gas cap and OBD portions should not be repeated.	Evaluate the INSPREC.DAT file for the following: Inspection Type: 1 Transaction Method: blank or B Inspection Test Type: B Initial Inspection Results: P ECD Check Result: P

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
		Inspection Test Type: B Waiver Issued: Y Repairs Done: Y Repaired by Facility: DEC ID Repaired by Inspector: DEC Inspector ID Date Repaired: DEC date Total Cost of Repair: >$4.50 Repair Item 1-5: As selected Repair cost 1- 5: As selected
STEP #59 - Gas Cap Replaced	Complete an OBD inspection but fail for the lack of a gas cap,. When prompted note that the gas cap was replaced.	Evaluate the INSPREC.DAT file for the following: Inspection Test Type: B Gas Cap Check: P Gas Cap Replaced: Y
STEP #60 - New Vehicle Exemptions	Run through NY-VIP Inspection for Vehicle # __. This is a MY 2004 LD vehicle which should just receive a safety only inspection.	Evaluate the INSPREC.DAT file for the following:
Redundant	Run through NY-VIP Inspection for Vehicle # __. This is a MY 2005 LD vehicle which should just receive a safety only inspection.	Inspection Test Type: S
STEP #61 - Older than 25 MYs old	Run through NY-VIP Inspection for Vehicle # __. This is a MY 1979 LD vehicle which should just receive a safety only inspection.	Evaluate the INSPREC.DAT file for the following:
Redundant		Inspection Test Type: S
STEP #62 - Emission Exempt Vehicles	Run through NY-VIP Inspection for Vehicles #__ to #__. These are diesels, electric vehicles, trailers ,and motorcycles. Choose MYs between 1996-2002. All vehicles should receive a safety only inspection.	Evaluate the INSPREC.DAT file for the following:
Redundant		Inspection Test Type: S
STEP #63 - Canadian Vehicle Screens	Run through NY-VIP Inspection for Vehicle #__ (1996 GM LD vehicle). OBD communication is not possible, even though the connectors look fine and voltage is	

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Test Script Item	Verification Tool Inputs	Software Pass/Fail Criteria
STEP #71: DEC "standard" vehicles for PCM-specific parameters.	Test the DEC personal vehicles that had the CAL ID and CVN scanned by OEM scan tools.	Evaluate the INSPREC.DAT file for the following: DEC Vehicle #1 Inspection Test Type: B OBD Comm.Protocol: as determined CAL ID#1: as determined Valid CVN: as determined PCM Odometer: as determined PCM Module ID 1 as determined PCM Module ID 2 as determined PID Count 1 as determined PID Count 2 as determined DEC Vehicle #2 Inspection Test Type: B OBD Comm.Protocol: as determined CAL ID#1: as determined Valid CVN: as determined PCM Odometer: as determined PCM Module ID 1 as determined PCM Module ID 2 as determined PID Count 1 as determined PID Count 2 as determined
STEP #82 - *Reserved for Exceptions Table Testing*		
STEP #83 - *Reserved for Exceptions Table Testing*		
STEP #84 - *Reserved for Exceptions Table Testing*		