

2005 GMC W4500 Forward W4S042 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, OHV, USA/Canada Paul Paquette

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HOTLINE ARCHIVES WITH SERVICE MANUAL DIAGRAMS, COMPONENTS, TSBS, AND R&R PROCEDURES

Description	Potential Causes	Confirmed Fix
1. Intermittently the throttle control will be lost. Engine Control Module (ECM) DTC P0120, P0220, P1516, P2135 and P2101 are setting. The Throttle Body Assembly was replaced by a previous shop.... 2005 GMC W4500 Forward W4S042 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, OHV, USA Test Details... Confirmed Fix Details... Tests/Procedures: 1. If the vehicle has a history of heater core leakage, check and inspect connector H5. 2. Check the harness near the right front body hinge area and connector H42. 3. If the connectors are cle... 3 Confirmed fixes	Connector H42 Connector H5 Throttle Body Wiring	3 - Throttle Body Wiring
2. Intermittent loss of power. Powertrain Control Module (PCM) code P1516 sets.... 2005 GMC W4500 Forward W4S042 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, OHV, USA Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect G104 on the rear of the left cylinder head. 2. Install the latest engine diagnostic calibrations in the PCM. Some 2003 model year vehicles have an updated program available to address... 180 Confirmed fixes	Malfunctioning Electronic Throttle Body Assembly Ground 103 Ground 104 Powertrain Control Module (PCM) Programming High Resistance Throttle Body Connector	90 - Throttle Body Assembly 23 - Electronic Throttle Body (ETB) 11 - Ground G104 8 - Throttle Body Wiring 5 - Throttle Body Cleaning Procedure 4 - Throttle Actuator Control (TAC) Motor 4 - Ground 103 3 - Throttle Actuator Control (TAC) Module 3 - Powertrain Control Module (PCM) Programming 3 - Electronic Throttle Body (ETB) Connector 3 - Electronic Throttle Body (ETB) and Electronic Throttle Body (ETB) Connector 2 - Throttle Actuator Control (TAC) Motor Connector 2 - Battery Cable(s) 1 - Throttle Position Sensor (TPS) 1 - Throttle Position Sensor (TPS) Connector 1 - Fuel Pump 1 - Throttle Actuator Control (TAC) Module Connector 1 - Fuel Injection System 1 - Electronic Throttle Body (ETB) and Powertrain Control Module (PCM) Programming 1 - Throttle Body Connector Terminal(s) 1 - Throttle Actuator Control (TAC) Module Ground Wiring 1 - Throttle Actuator Control (TAC) Module and Throttle Body Assembly 1 - Powertrain Control Module (PCM) Programming and Throttle Body Assembly 1 - Throttle Actuator Control (TAC) Motor and Throttle Actuator Control (TAC) Motor Connector 1 - Electronic Throttle Body (ETB) and Throttle Body Connector Terminal(s) 1 - Throttle Actuator Control (TAC) Module Connector and Throttle Actuator Control (TAC) Motor Connector 1 - Throttle Actuator Control (TAC) Motor Connector and Throttle Body Wiring 1 - Connector H5



Description	Potential Causes	Confirmed Fix
		1 - Intake Manifold Gasket(s) and Throttle Body Assembly 1 - Battery Cable(s) and Ground 103 and Ground G104 1 - Electronic Throttle Body (ETB) and Throttle Actuator Control (TAC) Module Ground Wiring 1 - Electronic Throttle Body (ETB) Connector and Throttle Body Assembly
3. When starting the engine cold, the Reduced Engine Power is displayed. No throttle response. Engine Control Module (ECM) DTCs P0120, P0220, P1516, P2135. If cleared, the DTCs will reset if the engine... 2005 GMC W4500 Forward W4S042 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, OHV, USA Test Details... Confirmed Fix Details... Tests/Procedures: 1. Verify the Black wire at pin 15 is a good ground when the problem occurs. 2. Verify the Pink wire at pin 7 is battery voltage when the key is on or cranking. Verify during the problem. 3. If... 3 Confirmed fixes	Connector H-42 Connector H-5 Engine Control Module (ECM) Programming Ignition Switch Throttle Actuator Control (TAC) Module Throttle Actuator Control (TAC) Module Connector Throttle Actuator Control (TAC) Wiring	2 - Throttle Body Connector 1 - Connector H5
4. Very intermittent loss of throttle control. Powertrain Control Module (PCM) code: P2135. Two new throttle bodies tried, same. May take over a month for condition to occur. Also tried a new throt... 2005 Chevrolet Silverado 2500 HD 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA * Test Details... Confirmed Fix Details... Tests/Procedures: 1. Engine running, move Accelerator Pedal Position (APP) up/down while watching scan data, TP "Agree/Disagree" status. 2. This parameter should normally indicate "Agree" at all times. 3. If so... 42 Confirmed fixes	Ground 104 Powertrain Control Module (PCM)	15 - Throttle Actuator Control (TAC) Wiring 10 - Throttle Body 5 - Powertrain Control Module (PCM) Programming 5 - Ground 104 2 - Connector H5 2 - Engine Wiring Harness 2 - Throttle Actuator Control (TAC) Module 1 - Throttle Actuator Control (TAC) Module Ground Wiring and Throttle Body and Throttle Body Connector
5. The vehicle has a check engine light on with trouble code P0101.... 2005 Hummer H2 6.0L, V8, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect for a restricted, collapsed, misaligned, leaking, or damaged air intake duct. Non OE air cleaner or filter. 2. Clean the Mass Air Flow (MAF) sensor elements with a Q-tip and brake clea... 639 Confirmed fixes	Restricted Catalytic Converter Engine Air Filter Leaking Intake Manifold Gaskets Dirty MAF Sensor Elements	446 - Mass Air Flow (MAF) Sensor 43 - Throttle Body Cleaning Procedure 32 - Catalytic Converter(s) 23 - Mass Air Flow (MAF) Sensor and Throttle Body Cleaning Procedure 14 - Manifold Absolute Pressure (MAP) Sensor 13 - Intake Manifold Gasket(s) 10 - Mass Air Flow (MAF) Sensor Connector 7 - Mass Air Flow (MAF) Sensor and Throttle Body 6 - Mass Air Flow (MAF) Sensor Wiring 6 - Air Cleaner Element 4 - Intake Manifold 4 - Intake Air Boot 3 - Fuel Pump 3 - Intake Manifold Gasket(s) and Mass Air Flow (MAF) Sensor 3 - Air Cleaner Element and Mass Air Flow (MAF) Sensor 2 - Vacuum Hose/Line(s) 2 - Catalytic Converter(s) and Mass Air Flow (MAF) Sensor 1 - Engine Valve Spring(s) 1 - Throttle Body 1 - Engine Air Filter and Mass Air Flow (MAF) Sensor 1 - Crankshaft Position (CKP) Sensor 1 - Throttle Position Sensor (TPS) 1 - Manifold Absolute Pressure (MAP) Sensor and Mass Air Flow (MAF) Sensor 1 - Fuel System Service and Mass Air Flow (MAF) Sensor 1 - Mass Air Flow (MAF) Sensor and Throttle Plate 1 - Air Cleaner Box and Mass Air Flow (MAF) Sensor 1 - Engine Air Filter and Manifold Absolute Pressure (MAP) Sensor 1 - Ignition Distributor Assembly and Intake Manifold Gasket(s) 1 - Air Cleaner Element and Mass Air Flow (MAF) Sensor and Throttle Body 1 - Fuel System and Mass Air Flow (MAF) Sensor 1 - Mass Air Flow (MAF) Sensor and Throttle Body Cleaning Procedure and Throttle Body Connector 1 - Catalytic Converter(s) and Fuel Pump and Mass Air Flow (MAF) Sensor Connector 1 - Intake Manifold Gasket(s) and Mass Air Flow (MAF) Sensor Connector 1 - Intake Manifold and Mass Air Flow (MAF) Sensor 1 - Intake Manifold Gasket(s) and Throttle Body Cleaning Procedure
6. Low power at times. The throttle drops to a closed position when the headlamps are activated. Powertrain Control Module (PCM) DTCs P1516, P2108 and U0107.... 2005 Chevrolet Silverado 2500 HD 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA * Test Details... Confirmed Fix Details...	Ground G104 Ground G107 IGN1 Relay Underhood Bussed Electrical Center (UBEC)	48 - Throttle Body 46 - Ground G104 14 - Throttle Body Connector 7 - Battery 3 - Ground G107 2 - Battery Ground Cable

Description	Potential Causes	Confirmed Fix
Tests/Procedures: 1. Verify the battery is charged and the cables ends and terminals are clean and tight. 2. Check ground G104 and G107. These grounds relate to the Throttle Actuator Control (TAC) system and the h... 125 Confirmed fixes		1 - Throttle Body and Throttle Body Connector 1 - IGN1 Relay 1 - Mass Air Flow (MAF) Sensor and Throttle Body 1 - Throttle Body Wiring 1 - Fuel Pump
7. Very intermittent loss of engine power, Powertrain Control Module (PCM) code: P0220, P2135. This code sets at the same time as the low power... 2005 GMC Sierra 2500 HD SLT 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Check grounds G103 and G104 at the rear of the engine, vertical bolt in block, and horizontal bolt on rear of the Left Hand (LH) cylinder head. 2. Engine running, have an assistant move the Acc... 120 Confirmed fixes	Malfunctioning Throttle Actuator Control (TAC) Motor High Resistance Throttle Actuator Control (TAC) Motor Connector Broken Throttle Actuator Control (TAC) Wiring	70 - Throttle Body Assembly 23 - Throttle Actuator Control (TAC) Wiring 7 - Throttle Actuator Control (TAC) Motor Connector 4 - Throttle Actuator Control (TAC) Motor 4 - Throttle Actuator Control (TAC) Module 3 - Throttle Body Connector 2 - Engine Compartment Ground(s) 2 - G103 Ground Connector 1 - Throttle Actuator Control (TAC) Motor Connector and Throttle Actuator Control (TAC) Wiring 1 - Throttle Position Sensor (TPS) Wiring Harness and Throttle Position Sensor Connector 1 - G103 Ground Connector and G110 Ground Connector and Throttle Body Assembly 1 - Throttle Position Sensor (TPS) Wiring Harness 1 - Throttle Position Sensor Connector
8. The Malfunction Indicator Light (MIL) comes on, "Reduced Engine Power" indicator is on, DTCs P0120, P0220, and P1516... 2005 Chevrolet Express 3500 LS 6.0L, V8, Gas, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect all related throttle body terminals for a loose wiring crimp. The loose crimp may be difficult to find, and the poor connection will be between the terminal and the copper strands of the w... 25 Confirmed fixes	Accelerator Pedal Position (APP) Sensor Connection Ground Throttle Actuator Control (TAC) Module Throttle Body Assy Wire	8 - Throttle Body 6 - Throttle Body Wiring 3 - Throttle Actuator Control (TAC) Module 2 - Throttle Body Connector 2 - Accelerator Pedal Position (APP) Sensor Connector 1 - Intake Air Box and Throttle Body 1 - Throttle Position Sensor (TPS) Connector 1 - Ground Connection 1 - Throttle Position Sensor (TPS) Wiring Harness
9. P2135 and the engine is in reduced power mode... 2005 Chevrolet Silverado 2500 HD 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect all related throttle body terminals for a loose wiring crimp. The loose crimp may be difficult to find, and the poor connection will be between the terminal and the copper strands of the w... 15 Confirmed fixes	Poor Ground Throttle Position Sensor (TPS) Wiring	5 - Throttle Body 3 - Throttle Actuator Control (TAC) Module Wiring 2 - Throttle Position Sensor (TPS) Wiring 1 - Throttle Actuator Control (TAC) Module 1 - Mass Air Flow (MAF) Sensor and Throttle Body 1 - Throttle Body and Throttle Body Connector 1 - Throttle Actuator Control (TAC) Module Wiring and Throttle Body 1 - Throttle Actuator Control (TAC) Module and Throttle Body
10. Codes P0120, P2135... 2005 GMC Yukon Denali 6.0L, V8, Gas, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Watch the scan tool while stretching the throttle body harness. 2. If it responds, replace the throttle body pigtail and as much wire as possible. 3. Check the grounds at the back of the eng... 10 Confirmed fixes	Powertrain Control Module (PCM) Throttle Actuator Control (TAC) Module Throttle Actuator Control (TAC) Module Wiring Throttle Body Throttle Body Wiring	6 - Throttle Actuator Control (TAC) Module Wiring 4 - Throttle Body Connector
- Confirmed Fix - Exact Vehicle Match - Confirmed Fix - Similar Vehicle Match * A vehicle with the same engine as the one you selected. - Has Related Document(s)		
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HOTLINE ARCHIVES FOR SAME ENGINE PACKAGE +/- 2YRS : [HOTLINE FIXES](#)

Description	Potential Causes	Confirmed Fix
1. DTC P1516. The vehicle has no power at times. Cannot recreate the problem... 2003 Chevrolet Silverado 2500 LS 6.0L, V8, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect/test for damaged wiring at throttle body connector and out 4+ inches. Flex wire, feel for soft spot. Test terminal contact and terminal crimp to wire. 2. Inspect/test wires at Throttle ... 21 Confirmed fixes	Throttle Actuator Control (TAC) Module Throttle Actuator Control (TAC) Module Wiring Throttle Body Throttle Body Wiring	16 - Throttle Body 2 - Throttle Body and Throttle Body Connector 1 - Throttle Body Wiring Harness Pigtail 1 - Throttle Body Connector 1 - Throttle Body and Throttle Body Wiring Harness Pigtail
2. DTC P1516... 2004 Chevrolet Silverado 2500 6.0L, V8, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Block the accelerator pedal fully open with the ignition Key On Engine Off (KOEO). 2. Wiggle the throttle body harness and the Throttle Actuator Control (TAC) module harness and see if the th... 15 Confirmed fixes	Ground G103 Ground G104 Throttle Actuator Control (TAC) Throttle Body Wiring	8 - Throttle Body 1 - Powertrain Control Module (PCM) Programming 1 - Throttle Body Connector 1 - Powertrain Control Module (PCM) Programming and Throttle Body 1 - Throttle Actuator Control (TAC) 1 - Ground G103 and Ground G104 1 - Throttle Body Wiring Harness 1 - Throttle Body and Throttle Body Wiring Harness
3. Intermittently the Reduced Engine Power massage will come on and then engine will not accelerate. When this happens code P0120 will reset... 2003 GMC Sierra 1500 Denali 6.0L, V8, Gas, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details...	Ground Ignition Switch Power	2 - Throttle Body Wiring 1 - Oxygen (O2) Sensor and Spark Plug Wire(s) and Spark Plug(s)

Description	Potential Causes	Confirmed Fix
Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect all related throttle body terminals for a loose wiring crimp. The loose crimp may be difficult to find, and the poor connection will be between the terminal and the copper strands of the w... 5 Confirmed fixes	Throttle Actuator Module Throttle Body Wiring	1 - Ignition Switch 1 - Throttle Body
4. Intermittently the throttle control will be lost. Engine Control Module (ECM) Diagnostic Trouble Codes (DTC) P0120, P0220, P1516, P2135 and P2101 are setting... 2006 GMC W4500 Forward W4S042 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, OHV, USA * Test Details... Confirmed Fix Details... Tests/Procedures: 1. If the vehicle has a history of heater core leakage, check and inspect connector H5. 2. Check the harness near the right front body hinge area and connector H42.... 4 Confirmed fixes	Connector H42 Connector H5 Throttle Body Wiring	2 - Throttle Body Wiring 2 - Connector H5
5. Very intermittent power loss. OK at this time. Powertrain Control Module (PCM) code: P1516.... 2004 GMC Sierra 2500 6.0L, V8, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Clean out the throttle bore. 2. Engine running at approximately 2000 RPM, wiggle the throttle body harness and connector, check for loss of throttle control. 3. If so, repair or replace term... 4 Confirmed fixes	Loose Ground G103 Loose Ground G104 Malfunctioning Throttle Body High Resistance Throttle Body Connector	4 - Throttle Body
6. Code 1516. Had failed fuel pump. Had many codes including P1516. Problem while driving. Vehicle owner states the engine shuts off when this problem happens. Has not experienced problem. Reviewed code... 2003 Chevrolet Silverado 1500 HD LS 6.0L, V8, Gas, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Recreate the problem. Duplicate failure records to have the best chance of recreating the problem. 2. Test voltage Throttle Actuator Control (TAC) module power and ground when the problem happens... 1 Confirmed fix	Failed Engine Ground Failed Ground 103 Failed Ground G104 Malfunctioning Throttle Actuator Control (TAC) Module Damaged Throttle Actuator Control (TAC) Module Connector Insufficient Throttle Actuator Control (TAC) Module Power Improper Throttle Actuator Control Module Ground Malfunctioning Throttle Body Damaged Throttle Body Connector Failed Throttle Body Wiring	1 - Throttle Body
7. MIL comes on while driving, it loses all power. If restarted, it will run again. Code P1516 and P0220. Intermittent problem, cannot duplicate in the shop. Inspected grounds at rear of engine, disconnect... 2003 Chevrolet Silverado 2500 6.0L, V8, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect throttle body terminal crimp, terminal contact, wiring for damaged inside insulation. 2. Remove one of the throttle body motor wires from the throttle body connector, move the throttle... 1 Confirmed fix	Malfunctioning Throttle Body Damaged Throttle Body Connector Damaged Throttle Body Connector Terminal Damaged Throttle Body Wiring	1 - Throttle Body
8. Intermittently the Reduced Engine Power message will come on and then engine will not accelerate. When this happens code P0120 will reset... 2003 GMC Sierra 1500 Denali 6.0L, V8, Gas, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Inspect all related throttle body terminals for a loose wiring crimp. The loose crimp may be difficult to find, and the poor connection will be between the terminal and the copper strands of the w... 1 Confirmed fix	Ground Power Throttle Actuator Module Throttle Body Wiring	1 - Throttle Body Assembly
9. Very intermittent power loss. OK at this time. Powertrain Control Module (PCM) code: P1516.... 2003 Chevrolet Suburban 2500 LS 6.0L, V8, VIN U, Des LQ4, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Clean out the throttle bore. 2. Engine running at approximately 2000 RPM, wiggle the throttle body harness and connector, check for loss of throttle control. 3. If so, repair or replace term... 1 Confirmed fix	Loose Ground G103 Loose Ground G104 Malfunctioning Throttle Actuator Control (TAC) Module Malfunctioning Throttle Body High Resistance Throttle Body Connector	1 - Throttle Body Connector
10. Very intermittent power loss. OK at this time. Powertrain Control Module (PCM) code: P1516.... 2003 Chevrolet Silverado 2500 HD 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA* Test Details... Confirmed Fix Details... Tests/Procedures: 1. Clean out the throttle bore. 2. Engine running at approximately 2000 RPM, wiggle the throttle body harness and connector, check for loss of throttle control. 3. If so, repair or replace term... 1 Confirmed fix	Loose Ground G103 Loose Ground G104 Malfunctioning Throttle Body High Resistance Throttle Body Connector	1 - Throttle Body

- Confirmed Fix - Exact Vehicle Match

- Confirmed Fix - Similar Vehicle Match

* A vehicle with the same engine as the one you selected.

- Has Related Document(s)

POSTED FIXES: FIXES POSTED BY SHOPS

SHOP FIXES, SHOP TECH TIPS

Vehicle Description	Description	Posted Date	Posted By
2005 Chevrolet Silverado 2500 HD 6.0L, V8, Gas, Asp N, VIN U, Des LQ4, 16V, USA *	This truck had come to the shop with an intermitten low power. It had codes P0120,P0220, and P1516. We had changed the Electronic Throttle Actuator, it ran fine for a week then it had the same problem. I had checked all the powers and grounds they were fine, cleaned grounds G102, G103, and G104. Found a broken purple wire pin F about two inches away from the throttle body connector. Ordered a new throttle body connector, fixed the problem. The truck had come back a week later with P0300 cylinder misfire. The data showed Cyl. 1, 3, 5, and 7 were the commen ones to be missing. When I was going to check it for spark I had bumped the main engine harness from the fuse block to the engine, and the engine was running fine with no miss. So I took all the wires out of the loom to see if there was a short or a broken wire. Found three broken wires at connector C148 for the coils. So this time we order a engine harness for it, and it fixed all the problems with the truck. This truck also goes down wash board roads all day. Parts replaced: Electronic Throttle Actuator Throttle Actuator Connector Engine harness	10/04/2007	Tunex Complete Car Care Glen Johanson

* A vehicle with the same engine as the one you selected.

TSBS/RECALLS



SERVICE MANUALS

TSBs

[#16-NA-383: INFORMATION ON ROUGH IDLE, CRANK NO START, EXTENDED CRANK OR MISFIRE DUE TO EXCESSIVE CARBON ON TOP OF THE VALVES OR STICKING VALVES, MALFUNCTION INDICATOR LIGHT \(MIL\) ILLUMINATED - DTC P0300, P0301, P0302, P0303, P0304, P0305, P0306, P0307, P0308 SET \(JAN 2, 2020\)](#)
[#PIP4753: SUPPLEMENT TO UPPER ENGINE AND FUEL INJECTOR CLEANER LABEL \(DEC 11, 2009\)](#)
[#PIP4925B: SES LIGHT WITH FUEL TRIM AND OR OXYGEN SENSOR CODES \(DEC 3, 2018\)](#)

MONITOR DRIVE CYCLE RESET

CODE DESCRIPTIONS, POSSIBLE CAUSES, MONITOR INFORMATION

Indicators

[Malfunction Indicator Lamp](#)
[Reduced Engine Power Indicator](#)

Monitors

[Component Monitor Drive Cycle](#)
[Fuel System Monitor Drive Cycle](#)
[Misfire Monitor Drive Cycle](#)

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COMPONENT LOCATIONS



SERVICE MANUALS

Component Locations

[ENGINE CONTROLS COMPONENTS 2 OF 3 \(C115,G103,G104\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[RIGHT SIDE OF ENGINE COMPONENTS \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

DESCRIPTION & OPERATION



SERVICE MANUALS

Circuit Descriptions

[DTC P0068 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0120 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0171 OR P0174 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0172 OR P0175 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0220 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0300 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0506 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0507 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P1516 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P2101 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

General Descriptions

[AIR INTAKE SYSTEM DESCRIPTION \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[CRANKCASE VENTILATION SYSTEM DESCRIPTION \(ENGINE MECHANICAL - 4.8L, 5.3L, AND 6.0L\)](#)
[ENGINE COMPONENT DESCRIPTION \(ENGINE MECHANICAL - 4.8L, 5.3L, AND 6.0L\)](#)
[THROTTLE ACTUATOR CONTROL \(TAC\) SYSTEM DESCRIPTION \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

DTC Information
[DTC P0068 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0120 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0171 OR P0174 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0172 OR P0175 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0220 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0300 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0506 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0507 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P1516 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P2101 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

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DTC Troubleshooting
[DTC P0068 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0120 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0171 OR P0174 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0172 OR P0175 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0220 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0300 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0506 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P0507 \(WITH THROTTLE ACTUATOR CONTROL\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P1516 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)
[DTC P2101 \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

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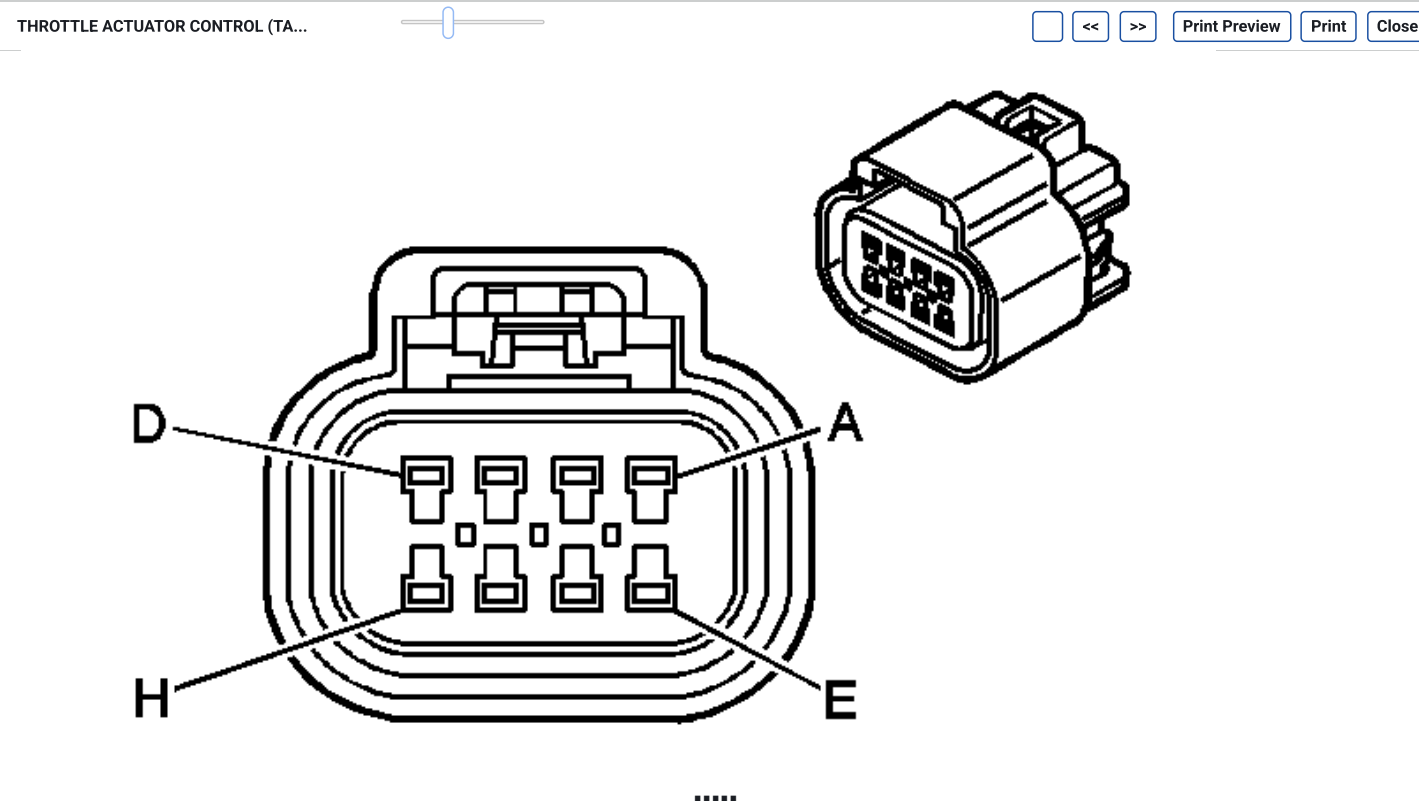
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Test, Check, Inspect
[CYLINDER LEAKAGE TEST \(ENGINE MECHANICAL - 4.8L, 5.3L, AND 6.0L\)](#)

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Pin-Out/Connector Views
[THROTTLE ACTUATOR CONTROL \(TAC\) ASSEMBLY \(15326836 8-WAY F GT 150 SLD \(BK\)\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)



[THROTTLE ACTUATOR CONTROL \(TAC\) MODULE C1 \(12191065 16-WAY F MICRO-PACK 100 SERIES \(M-GY\)\) \(ENGINE CONTROLS - 4.8L, 5.3L, AND 6.0L\)](#)

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Exploded View Diagrams
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