

# Isuzu Engine Diagnostic Codes

ISUZU ENGINE DIAGNOSTIC CHART

List of DTC

SPN	FMI	P Code	DTC description	Trouble display on monitor
91	2	P1271	Accelerator sensor 1-2 comparison fault	○
91	3	P1277	Accelerator sensor 1 fault (low voltage fault)	○
91	4	P1278	Accelerator sensor 1 fault (high voltage fault)	○
91	3	P1282	Accelerator sensor 2 fault (low voltage fault)	○
91	4	P1283	Accelerator sensor 2 fault (high voltage fault)	○
100	3	P0522	Engine oil pressure sensor fault (low voltage fault)	○
100	4	P0523	Engine oil pressure sensor fault (high voltage fault)	○
102	3	P0237	Boost pressure sensor fault (low voltage fault)	○
102	4	P0238	Boost pressure sensor fault (high voltage fault)	○
105	4	P1112	Boost temperature sensor fault (low voltage fault)	○
105	3	P1113	Boost temperature sensor fault (high voltage fault)	○
108	3	P0107	Barometric pressure sensor fault (low voltage fault)	○
108	4	P0108	Barometric pressure sensor fault (high voltage fault)	○
110	4	P0117	Engine coolant temperature sensor fault (low voltage fault)	○
110	3	P0118	Engine coolant temperature sensor fault (high voltage fault)	○

SPN	FMI	P Code	DTC description	Trouble display on monitor
110	0	P1173	Overheat	○
157	0	P0088	Common rail pressure fault (1st stage)	○
157	0	P0088	Common rail pressure fault (2nd stage)	○
157	2	P0089	Common rail pressure fault (Excessive pressure feed in pump)	○
157	4	P0192	Common rail pressure sensor fault (low voltage fault)	○
157	3	P0193	Common rail pressure sensor fault (high voltage fault)	○
172	4	P0112	Intake air temperature sensor fault (low voltage fault)	○
172	3	P0113	Intake air temperature sensor fault (high voltage fault)	○
174	4	P0182	Fuel temperature sensor fault (low voltage fault)	○
174	3	P0183	Fuel temperature sensor fault (high voltage fault)	○
190	0	P0219	Overrun	○
628	2	P0601	ROM fault	○
633	7	P1095	Pressure limiter open	○
636	2	P0340	Cam sensor fault (no signal)	○
636	2	P0341	Cam sensor fault (signal fault)	○
636	7	P1345	Cam sensor out of phase	○
639	2	U2104	CAN Bus fault	○
639	3	U2106	CAN timeout fault	○

**Isuzu engine diagnostic codes** are an essential aspect of modern vehicle maintenance and repair. These codes, also known as On-Board Diagnostics (OBD) codes, play a crucial role in identifying issues within Isuzu engines. Whether you own a commercial vehicle or a personal car, understanding these codes can save you time and money while ensuring your vehicle runs smoothly. This article will delve into the significance of Isuzu engine diagnostic codes, how they work, common codes, troubleshooting, and maintenance tips to keep your engine in top condition.

# Understanding Isuzu Engine Diagnostic Codes

Isuzu engines, like many other modern vehicles, are equipped with an onboard computer system that monitors various engine parameters. This system continuously checks the engine's performance, ensuring that it operates within the manufacturer's specifications. When the system detects a malfunction or deviation, it generates a diagnostic trouble code (DTC), which can be retrieved using an OBD-II scanner.

## The Importance of Diagnostic Codes

Diagnostic codes serve several purposes:

1. **Identifying Issues:** DTCs provide specific information about the nature of a problem, allowing mechanics to pinpoint the issue quickly.
2. **Preventive Maintenance:** Regularly checking for diagnostic codes can help catch potential issues before they escalate into more severe problems.
3. **Improving Performance:** By addressing the issues indicated by the codes, vehicle owners can ensure their Isuzu engine runs efficiently and effectively.
4. **Regulatory Compliance:** In many regions, vehicles must pass emissions tests. Diagnostic codes can help ensure compliance with these regulations.

## How Isuzu Engine Diagnostic Codes Work

The OBD-II system in Isuzu vehicles uses a standardized set of codes to communicate issues. When a problem is detected, the system triggers a warning light on the dashboard, usually the "Check Engine" light. The corresponding DTC is stored in the vehicle's computer memory.

## Retrieving Diagnostic Codes

To retrieve diagnostic codes from your Isuzu vehicle, follow these steps:

1. **Acquire an OBD-II Scanner:** You can purchase or borrow a scanner that is compatible with Isuzu vehicles.
2. **Locate the OBD-II Port:** The OBD-II port is typically located under the dashboard, near the driver's seat.
3. **Connect the Scanner:** Plug the scanner into the OBD-II port and turn the

ignition key to the "On" position without starting the engine.

4. Read the Codes: Follow the scanner's instructions to retrieve the stored DTCs. The scanner will display the codes, which you can look up in a code reference guide.

## Common Isuzu Engine Diagnostic Codes

While there are numerous DTCs that may appear for Isuzu vehicles, some codes are more common than others. Here are a few examples:

### Engine Codes

1. P0300: Random/Multiple Cylinder Misfire Detected
2. P0171: System Too Lean (Bank 1)
3. P0420: Catalyst System Efficiency Below Threshold (Bank 1)
4. P0455: Evaporative Emission Control System Leak Detected (Large Leak)

### Transmission Codes

1. P0700: Transmission Control System Malfunction
2. P0715: Input/Turbine Speed Sensor A Circuit Malfunction
3. P0740: Torque Converter Clutch Circuit Malfunction

### ABS Codes

1. C0035: Right Front Wheel Speed Sensor Circuit
2. C0040: Left Front Wheel Speed Sensor Circuit

## Troubleshooting Diagnostic Codes

When you retrieve a DTC, it's essential to interpret and troubleshoot the underlying issue effectively. Here's how to tackle the problem:

### Step-by-Step Troubleshooting

1. Research the Code: Look up the code in a service manual or online database to understand its meaning and possible causes.

2. **Inspect the Vehicle:** Perform a visual inspection of the components related to the code. Check for loose connections, damaged wires, or any physical signs of wear.
3. **Clear the Codes:** Using the OBD-II scanner, clear the diagnostic codes and take the vehicle for a test drive. Observe if the code reappears.
4. **Perform Tests:** If the code returns, conduct specific tests based on the DTC. This may involve checking sensor outputs, fuel pressure, or other relevant parameters.
5. **Consult a Professional:** If troubleshooting does not resolve the issue, it may be time to consult a qualified mechanic with experience in Isuzu vehicles.

## **Maintenance Tips for Isuzu Engines**

To minimize the occurrence of diagnostic codes and ensure the longevity of your Isuzu engine, consider the following maintenance tips:

### **Regular Maintenance Schedule**

1. **Oil Changes:** Change the engine oil and filter according to the manufacturer's recommended schedule.
2. **Air Filter Replacement:** Replace the air filter regularly to ensure optimal air intake and engine performance.
3. **Fuel System Cleaning:** Periodically clean the fuel system to prevent clogging and maintain efficient fuel delivery.
4. **Spark Plug Inspection:** Check and replace spark plugs as needed, as worn plugs can lead to misfires.
5. **Battery Maintenance:** Keep the battery terminals clean and ensure a secure connection to avoid electrical issues.

### **Monitoring Engine Performance**

1. **Watch for Warning Lights:** Pay attention to any dashboard warning lights and do not ignore them.
2. **Listen for Unusual Noises:** Any strange sounds from the engine should be investigated immediately.

3. Check Fluid Levels: Regularly check engine oil, coolant, transmission fluid, and brake fluid levels.

## Conclusion

Understanding Isuzu engine diagnostic codes is vital for maintaining your vehicle's health. By learning how to retrieve, interpret, and troubleshoot these codes, you can ensure your Isuzu operates efficiently and reliably. Regular maintenance, along with a proactive approach to diagnostics, will help you prevent costly repairs and extend the life of your engine. Whether you're a seasoned mechanic or a vehicle owner, being informed about diagnostic codes can empower you to take control of your vehicle's performance.

## Frequently Asked Questions

### What are Isuzu engine diagnostic codes used for?

Isuzu engine diagnostic codes are used to identify and troubleshoot issues within the engine and other related systems by providing specific error codes that indicate the nature of the problem.

### How can I retrieve Isuzu engine diagnostic codes?

You can retrieve Isuzu engine diagnostic codes using an OBD-II scanner, which connects to the vehicle's diagnostic port and reads the codes stored in the engine control unit (ECU).

### What does a P0300 code indicate in Isuzu vehicles?

A P0300 code indicates a random/multiple cylinder misfire detected, which means that the engine is not firing properly in one or more cylinders.

### Are Isuzu engine diagnostic codes universal?

While many Isuzu engine diagnostic codes follow the standard OBD-II format, some codes may be specific to Isuzu models, so it's important to refer to the manufacturer's documentation for accurate interpretation.

### What is the significance of the 'Check Engine' light in relation to Isuzu diagnostic codes?

The 'Check Engine' light illuminates when the engine control unit detects a malfunction in the engine or emission system, prompting the need to check for diagnostic codes to pinpoint the issue.

## **Can I clear Isuzu engine diagnostic codes myself?**

Yes, you can clear Isuzu engine diagnostic codes yourself using an OBD-II scanner, but it's important to first address the underlying issue to prevent the codes from reappearing.

## **What tools do I need to diagnose Isuzu engine codes?**

To diagnose Isuzu engine codes, you will need an OBD-II scanner or code reader, and possibly a repair manual specific to your Isuzu vehicle for reference on the codes.

## **What should I do if I receive a P0420 code on my Isuzu?**

A P0420 code indicates a catalyst system efficiency below the threshold. You should inspect the exhaust system, check for a faulty catalytic converter, and examine the oxygen sensors.

## **Is it safe to drive an Isuzu vehicle with engine diagnostic codes?**

It depends on the specific code; some issues may be minor, while others could lead to severe engine damage. It's best to diagnose and repair the problem before driving the vehicle extensively.

## **Where can I find a list of Isuzu engine diagnostic codes?**

A list of Isuzu engine diagnostic codes can typically be found in the vehicle's service manual, online automotive databases, or through specialized Isuzu repair websites.

Find other PDF article:

<https://soc.up.edu.ph/43-block/files?docid=mUC25-9720&title=newark-museum-of-science-and-trucking.pdf>

## **[Isuzu Engine Diagnostic Codes](#)**

[Isuzu Commercial Vehicles - Low Cab Forward Trucks - Co...](#)

Isuzu Commercial Truck of Canada. North America's No.1 Selling Low Cab Forward Truck Since 1986. 86% of ...

**Lewis Motor Sales - Truck Sales, Leasing, Lift Trucks & Used Tr...**

Our network of dealerships takes pride in providing customers with the highest quality

INTERNATIONAL and ISUZU ...

### **Isuzu - Wikipedia**

Isuzu Motors Ltd. (Japanese: [Isuzu Motors Ltd.](#), Hepburn: Isuzu Jidōsha Kabushiki-Kaisha), commonly known ...

### **ISUZU MOTORS LIMITED**

Isuzu and Fujitsu sign partnership agreement to commercialize software defined vehicles - Collaboration ...

### **Review the Line-up of Isuzu Trucks.**

Whether you want a gas engine or a diesel engine, we have Class 3-6 trucks for your business.

### **Isuzu Commercial Vehicles - Low Cab Forward Trucks**

Isuzu Commercial Truck of Canada. North America's No.1 Selling Low Cab Forward Truck Since 1986. 86% of Isuzu commercial vehicles ever sold in North America are still registered.

*Lewis Motor Sales - Truck Sales, Leasing, Lift Trucks & Used Trucks*

Our network of dealerships takes pride in providing customers with the highest quality INTERNATIONAL and ISUZU trucks in Ontario. We offer truck service and repair, mobile truck ...

### **Isuzu - Wikipedia**

Isuzu Motors Ltd. (Japanese: [Isuzu Motors Ltd.](#), Hepburn: Isuzu Jidōsha Kabushiki-Kaisha), commonly known as Isuzu (Japanese pronunciation: [isi<sup>ɸ</sup>zi<sup>ɸ</sup>], / i'suzu, ai -/), is a Japanese ...

### **ISUZU MOTORS LIMITED**

Isuzu and Fujitsu sign partnership agreement to commercialize software defined vehicles - Collaboration leverages commercial vehicles and digital technology to address challenges ...

### **Review the Line-up of Isuzu Trucks.**

Whether you want a gas engine or a diesel engine, we have Class 3-6 trucks for your business.

### **131 Isuzu vehicles for sale in Canada - AutoTrader**

Looking for a Isuzu vehicle? Let us help you. Find your next car by browsing our extensive new and pre-owned Isuzu inventory from local Isuzu dealerships and private sellers. You can also ...

### **New Motor Trucks**

FVR New Isuzu FVR Diesel - Air brakes - 248" wheelbase - Cummins B6.7 - Allison automatic - Power Windows and locks -Heated Mirrors - seat covers - backup camera - keyless entry - ...

### **Truck Sales Collingwood | Lewis Motors Inc.**

Largest authorized dealer of Isuzu Trucks Ontario (North of the Greater Toronto Area) Specialized in Severe Service applications A dedicated prep center for installation and modification ...

### **Lewis Motor Sales - Equipment Radar**

Lewis Motor Sales is a network of dealerships providing the highest quality International and Isuzu trucks in Ontario. Lewis Motor Sales offers truck service and repair, mobile truck repair, truck ...

### **Isuzu Commercial Vehicles - Low Cab Forward Trucks**

Customer satisfaction and an exceptional ownership experience is our commitment. Our sales and service associates go through extensive training every year to keep up on business ...

Unlock the secrets of Isuzu engine diagnostic codes! Understand their meanings and troubleshoot issues effectively. Learn more to keep your vehicle running smoothly!

[Back to Home](#)