

Building Your Success

The diagnostic strategy you use is critical to efficiently resolving a code or symptom. Using a real-world information source, you can reduce diagnostic time and have more confidence in your diagnostic strategy.



STEPS FOR SUCCESS

1. Verify symptom or complaint
2. Analyze symptoms
3. Isolate the fault through testing
4. Correct the Problem
5. Check for Proper Operation

Warning: Never make assumptions in any of the steps above. **Think the DTC you just pulled is the same as the last vehicle?**

THINK AGAIN!

Look at the causes of a P0171 (System Too Lean) code on a Chevy and on a Ford. Same DTC on similar vehicles, but VERY different results, requiring different diagnostic strategies.

PRODEMAND Change Vehicle 2010 Ford Pickup 5.4L Eng F150

SEARCH RESULTS FOR P0171

RELATED TO P0171

- spark plug
- ignition coil
- fuel filter
- fuel pumps & fuel senders
- oxygen sensor
- spark plug wire
- throttle body
- positive crankcase ventilation hose/line/pipe/tube

Spark Plug

PRODEMAND Change Vehicle 2008 Chevrolet Silverado 5.3L Eng 1500

SEARCH RESULTS FOR P0171

RELATED TO P0171

- engine intake manifold
- oxygen sensor
- mass air flow sensor
- throttle body
- fuel injector
- positive crankcase ventilation valve

Engine Intake Manifold

Change the year, and the results still differ!

2004 Chevy & Ford
Chevy - engine intake manifold
Ford - spark plug

2008 Chevy and 2010 Ford
Chevy - fuel pumps & fuel senders
Ford - mass air flow sensor



Only a proper diagnostic strategy can reveal the correct cause and allow you to repair the root cause.




NOTE: Diagnostics processes vary among technicians because of experience, training, etc., but some basics remain: **1. Never assume. 2. Always test.**

Don't Assume – Save Time

Don't assume you know the cause. Use the right systems like Mitchell 1 ProDemand with **1Search Plus** to find the latest info you need: TSBs, Top Repairs, Real Fixes, Component Testing, Causes & Fixes and OEM Remove & Replace.

SAVE TIME AND GET A HEAD START on the right repair with the most common component causing the DTC, just like this on the 2004 Chevy Silverado.


Causes & Fixes



ProView: Interactive related codes, symptoms, and fixes

SureTrack®


OEM Testing



OEM Test procedures

OEM Info

Guided Component Testing



Guided component tests

SureTrack®

Real Fixes



Top fixes and failure counts

SureTrack®

Remove & Replace



OEM R&R procedures

OEM Info


Top Repairs



Top fixes graphed over mileage

SureTrack®

Technical Bulletins



TSBs Recalls and Campaigns related to your search

OEM Info

Get the right fix the first time. Don't assume.

Learn More: Visit www.Mitchell1.com

Mitchell1
In your shop, at your side

MotorAge