



ENERGIZING YOUR RIDE, ONE CONNECTION AT A TIME.

## 1 Health Report Summary

**Summary of Findings:** Your vehicle was inspected due to an oil pressure warning and abnormal engine noise. A mechanical oil pressure gauge was connected directly to the engine's oil gallery. The gauge showed **0 PSI**, confirming that the engine is not receiving the oil pressure it needs to operate safely.

During the electronic diagnostic scan, the engine computer reported a **P0012 – Intake Camshaft Position System Retarded**. This code appears when the engine's variable valve timing system cannot function due to **insufficient oil pressure**. The engine also produced noise under acceleration, which is consistent with internal components not receiving proper lubrication.

**What This Means:** The engine is experiencing **real low oil pressure**, not a sensor or electrical issue. This condition can cause internal engine damage if continued to operate. The most common causes are a **failed pickup tube O-ring**, a **clogged oil pickup screen**, or a **fault in the oil pump assembly**.

## 2 REPAIR RECOMMENDATION (Customer-Ready)

Based on the test results, the next step is to **inspect the oil pickup system and pump assembly**. This requires removing the oil pan and lower engine components to access the pickup tube, O-ring, and pump.

### Recommended Actions:

- Remove oil pan
- Inspect pickup tube and O-ring
- Inspect pickup screen for blockage
- Inspect oil pump and relief valve
- Check for bearing wear or metal contamination
- Verify timing chain tensioner oil feed

**Why This Matters:** Any restriction or air leak in the pickup system will cause the pump to lose prime and starve the engine of oil. If caught early, this can be repaired before major engine damage occurs. If bearing wear is already present, additional repairs may be required.

**Estimated Cost:** A full estimate will be provided after inspection, once the exact cause is confirmed.  
Billable Diagnostic time – 1hr at \$87.5 Includes initial Vehicle Health Assessment / report

## 3 NEXT-STEP TEARDOWN PLAN

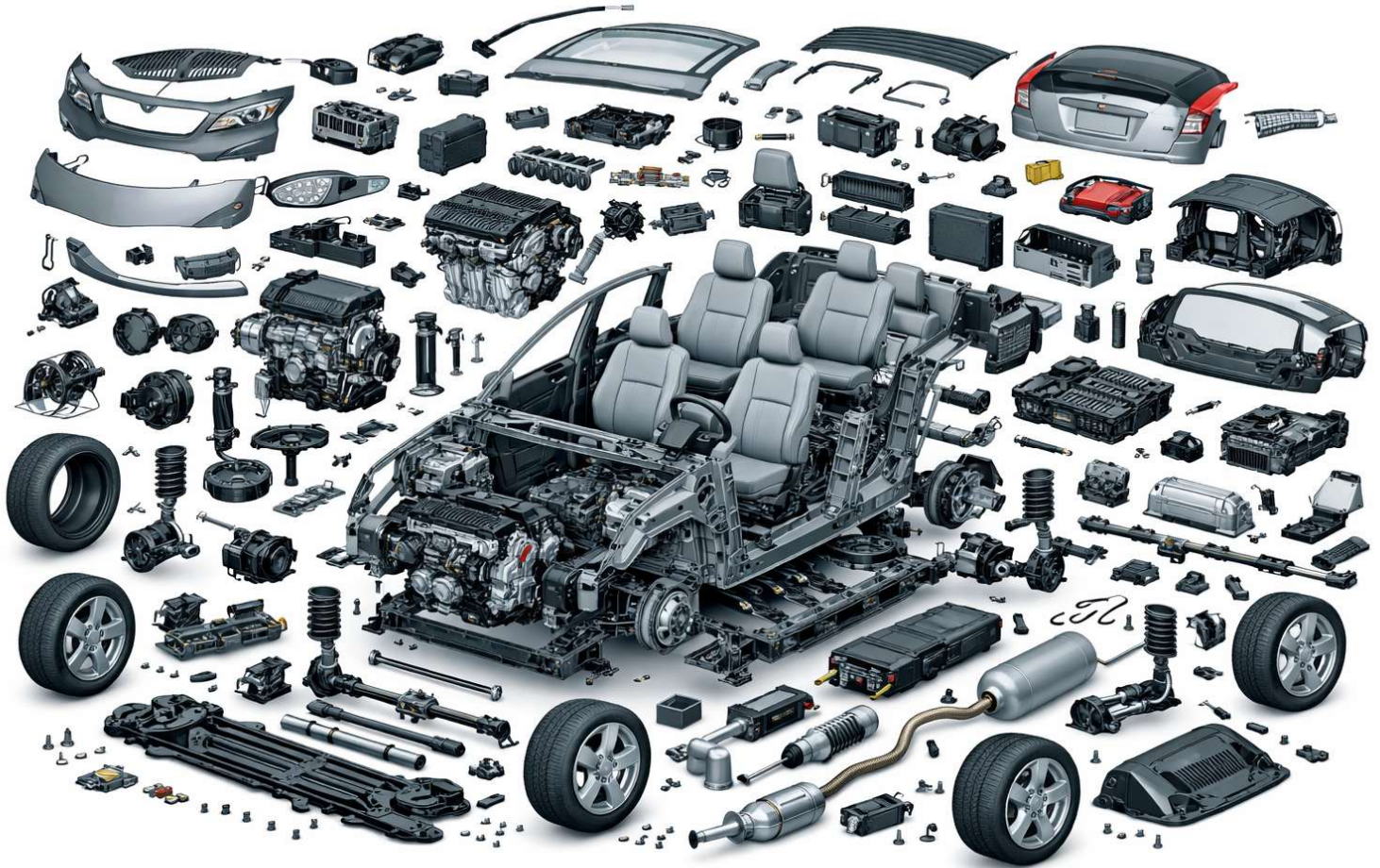
### (Technician -Workplan)

**Objective:** Identify the root cause of zero oil pressure and evaluate internal engine condition.

**Procedure:**

1. **Verify mechanical gauge setup**
  - Crack gauge line at block to confirm no oil delivery
  - Confirm adapter seal and thread engagement
2. **Remove lower engine components**
  - Drain oil
  - Remove splash shields
  - Remove oil pan
  - Inspect for metal debris
3. **Pickup System Inspection**
  - Inspect pickup tube O-ring for flattening, hardening, or tearing
  - Inspect pickup screen for sludge, RTV, or bearing material
  - Check pickup tube for cracks or loose mounting bolts
4. **Oil Pump Inspection**
  - Inspect pump gears for scoring
  - Check relief valve for stuck-open condition
  - Verify pump chain tension and sprocket condition
5. **Bearing Condition Check**
  - Inspect rod bearings for copper showing
  - Check for excessive play
  - Document any metal in pan
6. **Document Findings**
  - Photos of pickup, pump, and pan
  - Metal contamination level
  - Recommendation for repair vs. replacement





# Diagnosis Report



## Company Info

Company name: M.C. Wiring & Controls

Address: Wenatchee, Tonasket, WA

Tel: 5096692601

Fax:

Email: mcwiring509@gmail.com

Post Code :

Inspector :

## Vehicle Info

Date: 2025-09-19 03:09:30

Vehicle: GM V15.8

Path: GM > Quick Test

VIN: 5Y2SM67059Z418133

Vehicle Info: 2009\Pontiac\VIBE AWD A/T\0) 2.4L L4 LAX

## Quick Scan

Name	Status	Describe
Vehicle communication interface module	DTC[3]	Code number: U0184-00 1.Last test: 2.Since cleared: Describe: Lost communications with radio  Code number: B2455-00 1.Last test: 2.Since cleared: Describe: Cellular phone microphone circuit  Code number: B2476-00 1.Last test: 2.Since cleared: Describe: Cellular phone select service switch
Transfer case control module	DTC[2]	Code number: C1241 Describe: ECU voltage  Code number: C1280 Describe: Throttle Position Sensor (TPS) circuit intermittent low voltage

Electronic brake control module	DTC[2]	Code number: C1201 Describe: Engine control module performance  Code number: C1241 Describe: ECU voltage
Powertrain control module	DTC[1]	Code number: P0012 Describe: Intake Camshaft Position (CMP) system performance-retarded
Supplemental inflatable restraint	OK	
Instrument panel cluster	OK	
HVAC control module	OK	
Radio	OK	
Digital radio receiver	OK	
Vehicle interface module	OK	