GM 3.6L timing concern

Record evidence before choosing a repair. Use the exact vehicle's service information. A code or waveform offset alone does not identify a failed part.

01 Vehicle and complaint

Date / technician: _____

Year / make / model / engine RPO: _____

Mileage / operating conditions: _____

Symptoms / when they occur: _____

Codes / status / freeze-frame reference: _____

02 Establish a reliable starting point

Record oil level/condition and service history, related sensor or VVT faults, and the applicable service procedure or bulletin. Note what is checked and what is still unknown.

_____

_____

03 Test log

Test / conditions	Observed result / saved capture	Meaning / next check

04 If comparing cam/crank waveforms

Record engine/reference match, bank and cam, channel identity, RPM, temperature, VVT command/state and scope settings. Capture two crankshaft revolutions (one complete engine cycle), not only a cropped edge.

Reference / capture filenames / conditions still unknown:

_____

05 Decision and verification

Finding supported / checks still needed / proposed next step:

_____

If repaired: original complaint rechecked / relevant codes and test results:

_____