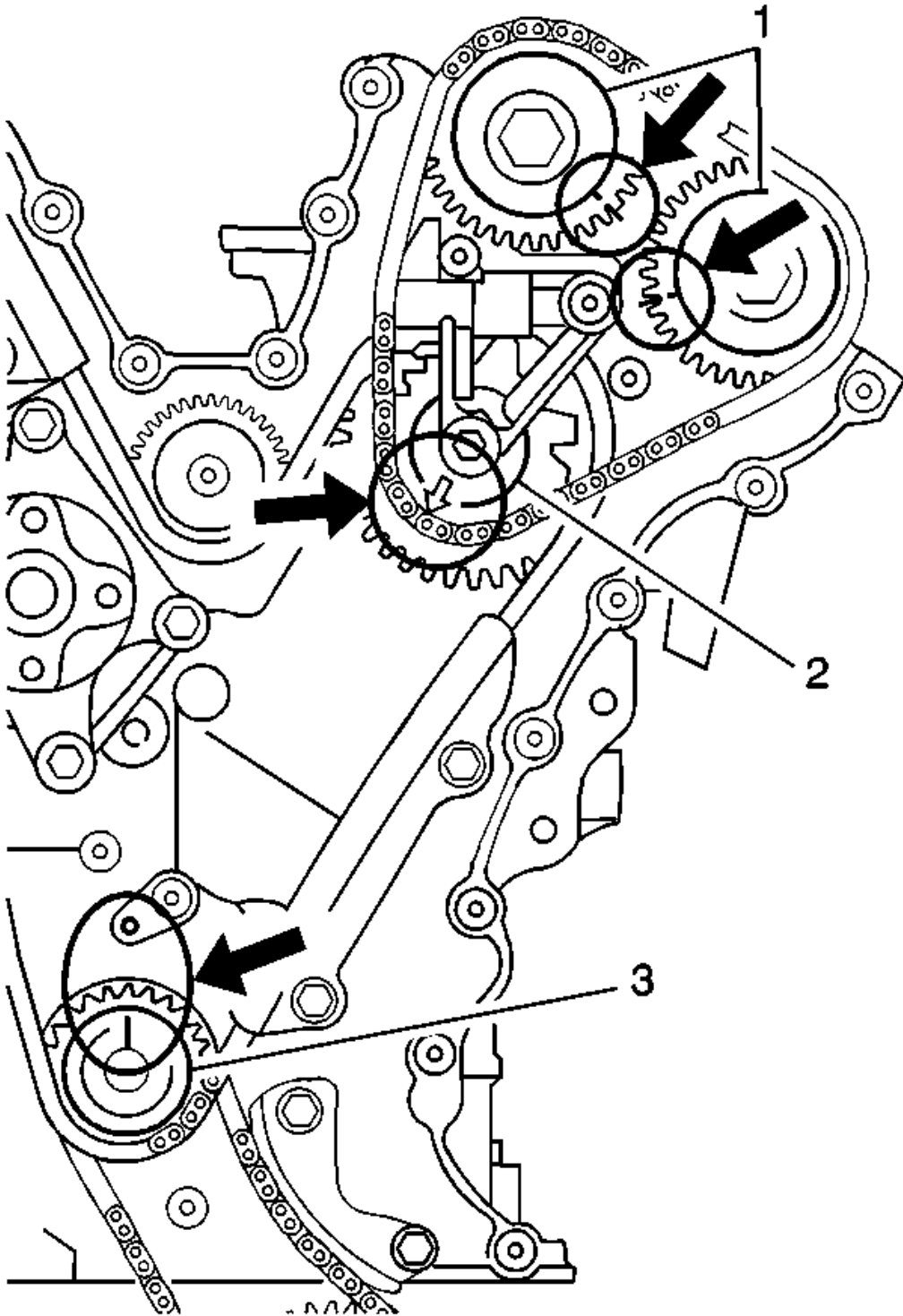


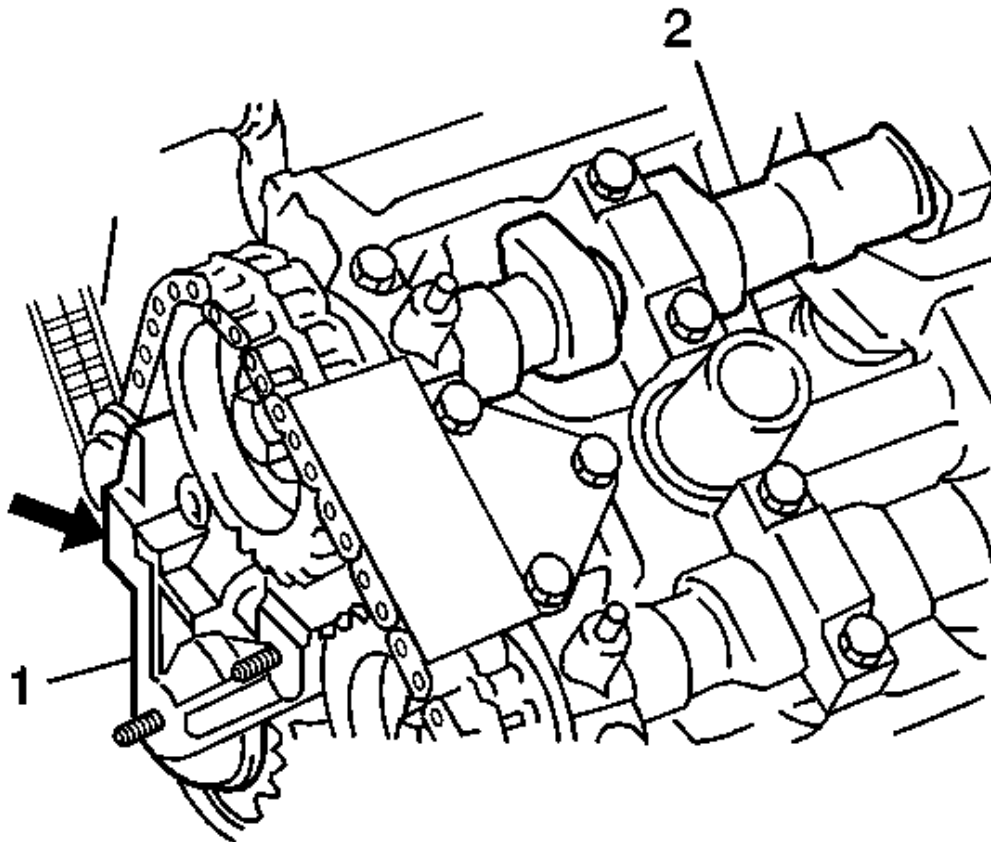
# 2004 Chevrolet Tracker

2004 ENGINE Engine Mechanical - 2.5L (LE8) - Tracker



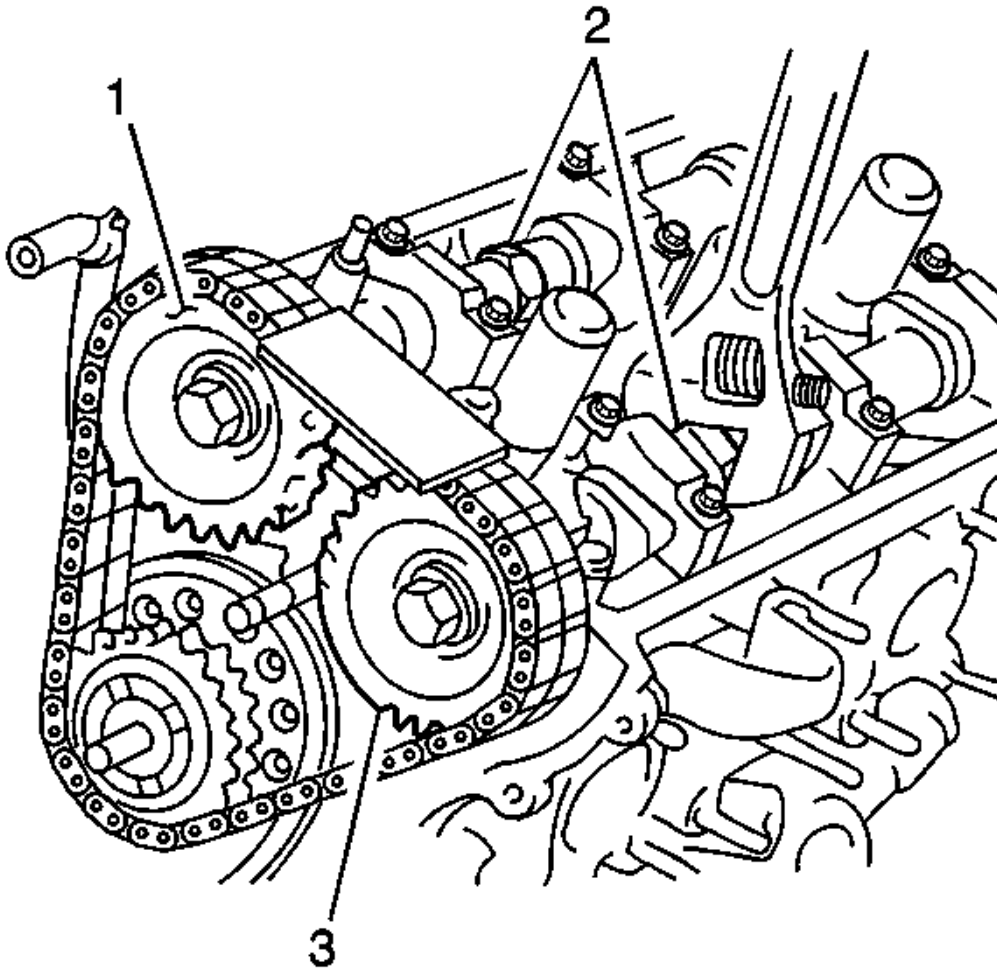
**Fig. 76: View Of Crankshaft & Match Marks On Sprockets**  
Courtesy of GENERAL MOTORS CORP.

6. Remove the 1 nut and 2 bolts from the timing chain tensioner (1).
7. Remove the timing chain tensioner (1). It may be necessary to slacken the timing chain by turning the intake camshaft (2) counterclockwise a little while pushing back on the tensioner pad.



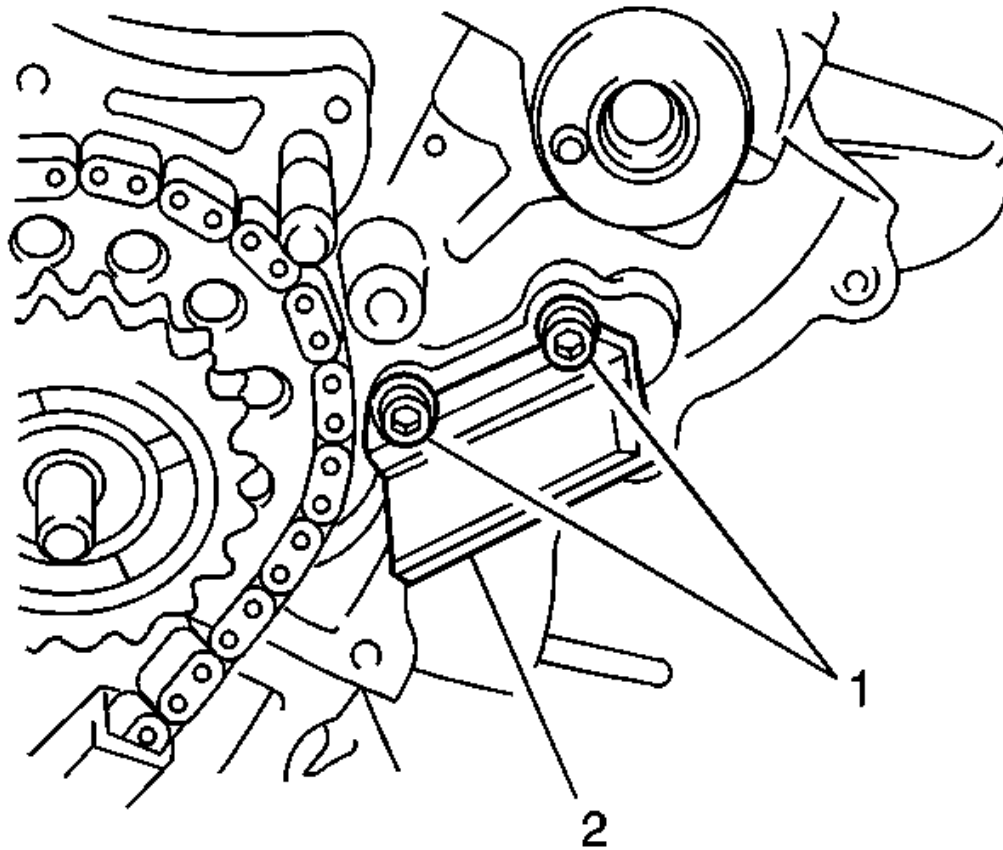
**Fig. 77: View Of Timing Chain Tensioner & Intake Camshaft**  
Courtesy of GENERAL MOTORS CORP.

8. Hold the camshafts (2) with a wrench and remove the camshaft sprocket bolts.
9. Remove the camshaft sprockets (1,3) and timing chain.



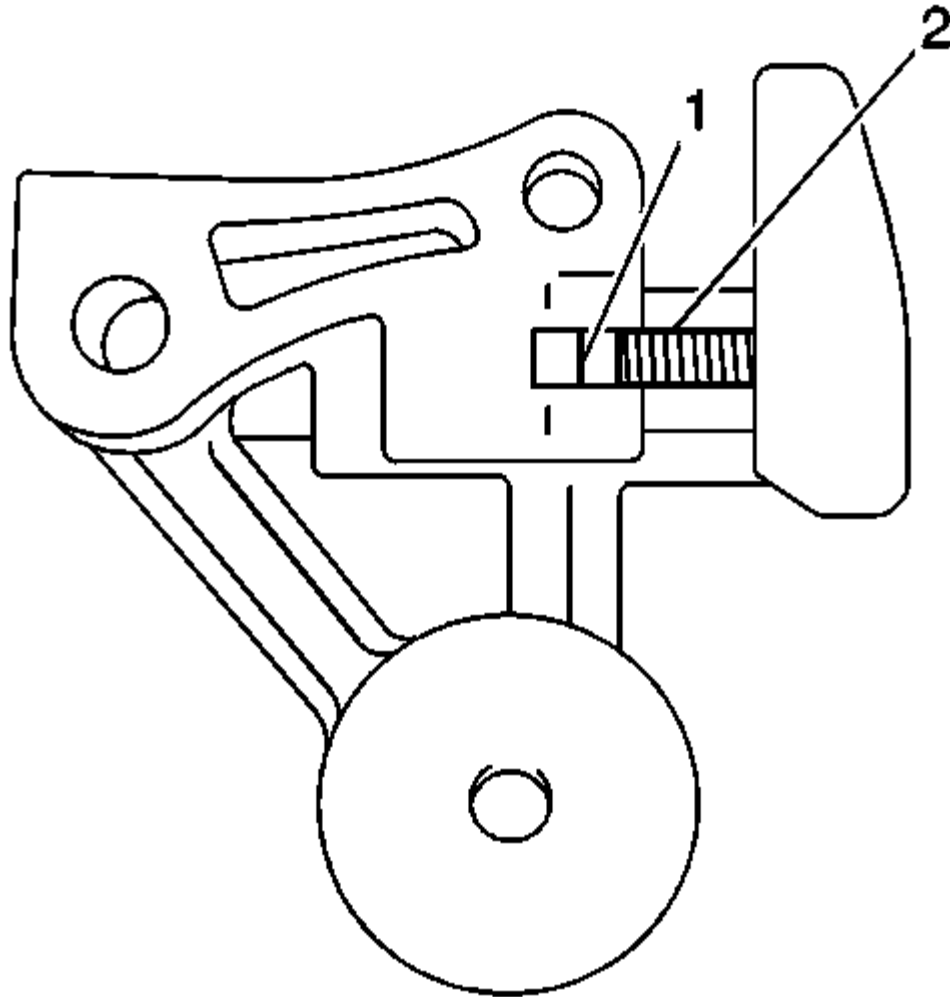
**Fig. 78: View Of Camshaft & Sprockets**  
Courtesy of GENERAL MOTORS CORP.

10. Remove the 2 bolts (1) and the side chain guide (2).
11. Inspect the following components for wear and damage:
  - The camshaft timing chain guides
  - The camshaft timing chain tensioner
  - The camshaft timing chain sprockets
  - The camshaft timing chain



**Fig. 79: View Of Side Chain Guide & Bolts**  
Courtesy of GENERAL MOTORS CORP.

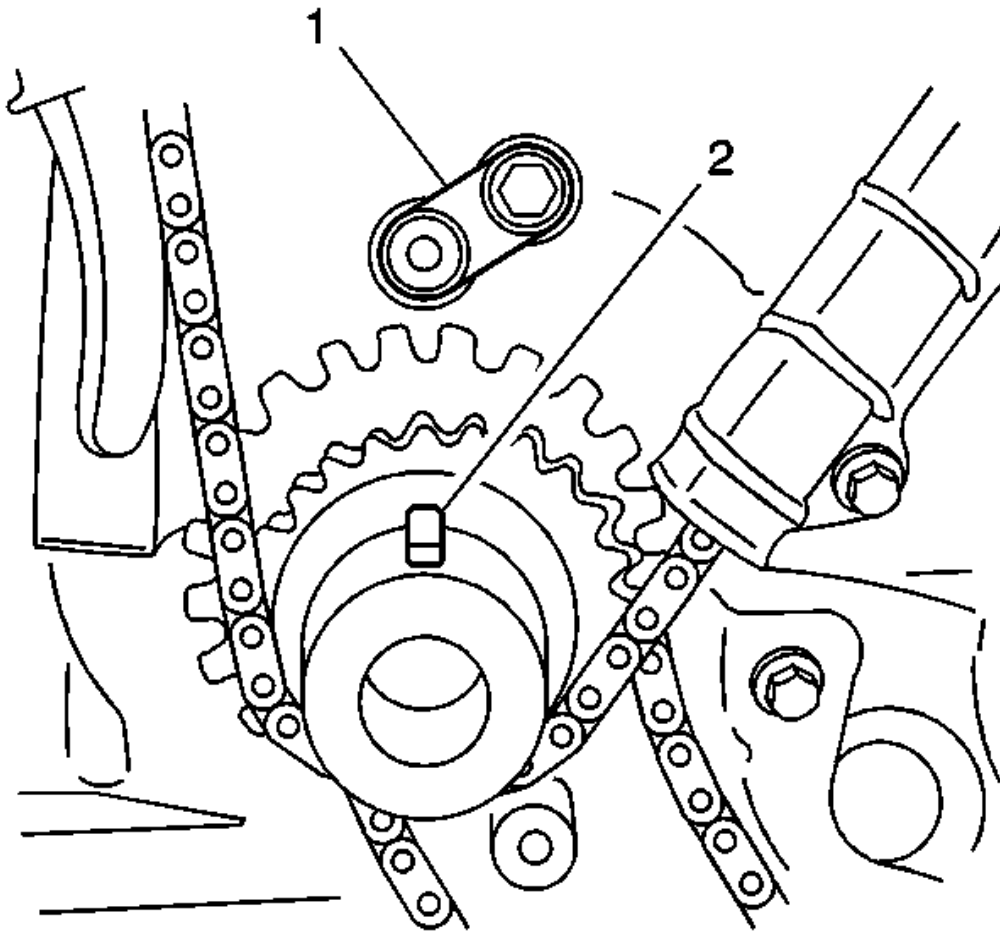
12. Verify that the latch (1) and teeth (2) of the timing chain tensioner are undamaged and that the tensioner functions correctly.
13. Replace any worn or damaged component.



**Fig. 80: View Of Timing Chain Tensioner Latch & Teeth**  
Courtesy of GENERAL MOTORS CORP.

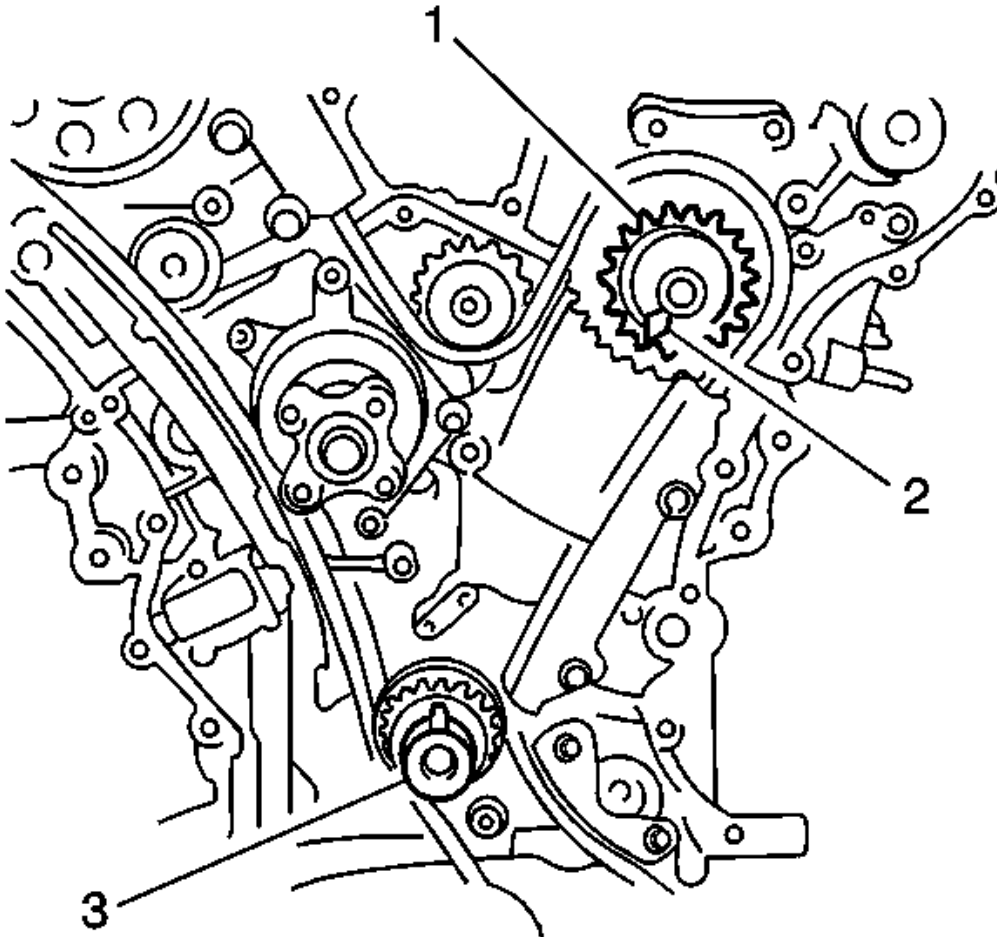
**Installation Procedure**

1. Verify that the keyway on the crankshaft (2) is properly positioned.



**Fig. 81: View Of Crankshaft Keyway**  
Courtesy of GENERAL MOTORS CORP.

2. Verify that the timing mark (2) on the idler sprocket (1) is properly positioned.



**Fig. 82: View Of Idler Sprocket & Timing Mark**  
Courtesy of GENERAL MOTORS CORP.

**NOTE:** Refer to Fastener Notice in Cautions and Notices.

3. Install the side chain guide (2). Secure with the 2 bolts (1).

**Tighten:** Tighten the bolts to 11 N.m (7.5 lb ft).