



Figure 20
Timing Gears

1. Camshaft Gear
2. Crankshaft Gear
3. Camshaft Drive Gear
4. Injection Pump Drive Gear



Figure 21
Measuring Timing Gear Backlash

1. Camshaft Gear
2. Oil Slinger (Reference Only)
3. Feeler Gauge
4. Camshaft Drive Gear

4. Remove the power steering pump where fitted, see "STEERING SYSTEMS"—Part 9.
5. Withdraw the retaining bolts then remove the front cover and gasket. Remove the oil slinger.
6. Before removing the timing gears, Figure 20, use a dial indicator or feeler gauges, to measure the backlash between each set of mating gears, Figure 21. Rotate the gears and check the backlash at four equidistant points on the gears. Renew the gears if the backlash exceeds the specified limits, see "Specifications"—Chapter 4.
7. Pry the camshaft gear away from the thrust plate and using a dial indicator or feeler gauges, measure the clearance, Figure 22. Install a new camshaft thrust plate if the camshaft end play exceeds the specified limits, see "Specifications"—Chapter 4.



Figure 22
Measuring Camshaft End Play

1. Screwdriver
2. Feeler Gauge
3. Camshaft Gear
4. Thrust Plate

Ford 6610 Service Manual

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