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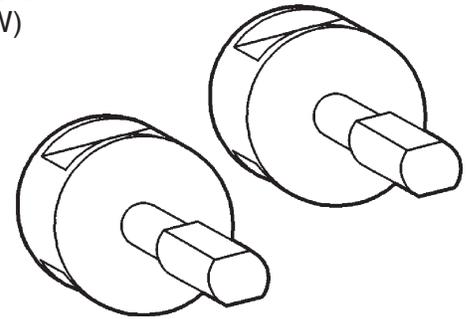
Form No. 106207

Operating Instructions
 for:

6020
 (511555)

Ford Camshaft Positioning Tool

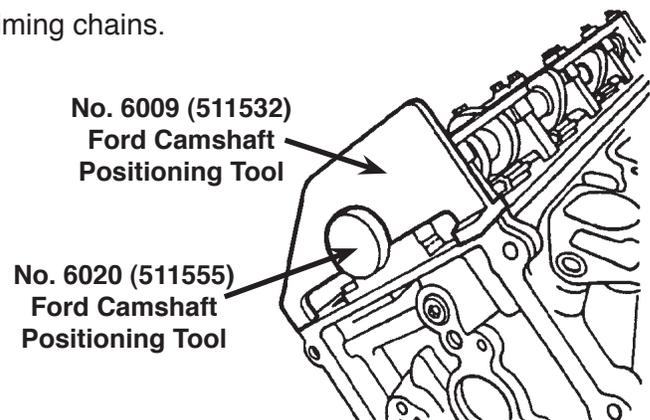
- Application: 1992 – 2008 4.6L 2V Crown Victoria (V8), Grand Marquis
 1997 – 2002 4.6L Crown Victoria, Expedition, Explorer
 Grand Marquis, Town Car (VIN W)
 1997 – 1998 4.6L & 5.4L V8, 6.8L V10 Econoline
 1997 – 2012 4.6L Econoline (VIN W)
 1997 – 2002 5.4L Expedition
 1997 – 2004 4.6L F-150 (VIN 6)
 1997 – 2010 4.6L F-150 (VIN W)
 1997 – 1998 4.6L F-Series Truck
 1997 – 2002 5.4L F-Series Truck
 1997 – 2005 4.6L Mountaineer (VIN W)
 1997 – 2002 4.6L Mustang (VIN W)
 1996 – 2004 4.6L Mustang (VIN X)
 2003 – 2004 4.6L Mustang (VIN Y)
 1998 – 1999 5.4L Navigator



NOTE: Tool No. 6020 (511555; same as Ford No. 303-413/T92P-6256-A) must be used with tool No. 6009 (511532; same as Ford No. 303-380/T91P-6256-A).

CAUTION: To prevent damage to valves and pistons, **DO NOT** rotate the crankshaft and/or camshaft(s) when removing the timing chain(s) and installing the cylinder heads. Because this is not a free-wheeling engine, if it has "jumped time" there will be damage to the valves and/or pistons, which will require the removal of the cylinder heads. The cam sprocket should be disassembled from the camshaft only when one of the components must be replaced.

1. Remove all necessary components to access the timing chains.
2. Rotate the engine to No. 1 top dead center.
3. **Disassembly:** Install Camshaft Positioning Tool (6020/511555) and Cam Positioning Tool (6009/511532) into each camshaft end, as shown, before removing timing chain tensioners and chains to prevent valve train damage.
4. **Assembly:** Install Camshaft Positioning Tool (6020/511555) and Cam Positioning Tool (6009/511532) into each camshaft end, as shown, before installing timing chains and tensioners to prevent valve train damage.



WARNING: Wear eye protection that meets ANSI Z87.1 and OSHA standards.

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