

Part # 5043

## Ford Crankshaft Damper Tool

- Tool is used for holding the Crankshaft Damper on 2005-2011 Ford 2.0L, 2.3L & 2.5L engines
- Applications: Fusion, Focus, Transit, Milan, MKZ, Escape, Ranger, Mariner & Hybrid models
- Compare to Factory Tool #303-1416
- ATTENTION: 2012+ models might require Factory Tool #303-1689
- Visit [www.ctatools.com](http://www.ctatools.com) for application details



**CAUTION:** To prevent injury, always wear gloves and eye protection that meets ANSI Z87.1 and OSHA standards.  
**CAUTION:** To prevent equipment damage, clean and lubricate threaded screws and holes before and after use.

### INSTRUCTIONS:

1. Verify the vehicle has a 2.0L, 2.3L or 2.5L engine from 2005-2011 model years.
2. Remove serpentine belt and accessories as needed to access the crankshaft damper.
3. Clean the area around the damper and apply penetrating oil between it and the crankshaft. Allow time to seep in.
4. Install timing peg tool 303-507 (CTA 2880X04) to hold the crankshaft at TDC.
5. Install camshaft align timing tool 303-465.
6. Install 303-1416 (CTA 5043) damper tool, tightening center bolt until snug. Do not overtighten.
7. Use a 1/2" drive hand tool on the hex of 303-1416 (CTA 5043) center bolt to turn counter-clockwise and remove the damper.
8. Clean the crankshaft and damper mating surfaces. Apply thread-locker to crankshaft threads.
9. Lubricate the crankshaft sealing surface with clean engine oil.
10. Install the damper pulley onto the crankshaft.
11. Install and hand tighten an M6 bolt to align the damper pulley.
12. Hold the damper securely with 303-1416 (CTA 5043). Use a 1/2" hand tool to tighten the damper bolt in 2 stages: Stage 1: 74 lb-ft (100 Nm) Stage 2: Additional 90 degrees
13. Remove the M6 bolt, timing peg 303-507 (CTA 2880X04), and camshaft timing tool 303-465.
14. Reinstall all components removed during disassembly.
15. Refer to the vehicle service manual for complete procedures. Use 303-1416 (CTA 5043) to hold damper.

