

Benz Timing Chain Riveting Tool Set - M271, M272 & M273

- Splits and reconnects single & double row timing chains on Benz gas and diesel engines
- Also services some Saab & BMW vehicles
- Provides clean, safe, fast and correct chain service
- Packed in blow mold case.
- Replacement Components:
 - 1095X17 - Mounting Guide Link - B7
 - 1095X19 - Mounting Link - B9
- Application: Mercedes M271, M272 & M273 - Model OM 601, 602, 603, 615, 616, 617, 642, 648, M102, 103, 116, 272 and SAAB, BMW
- Visit www.ctatools.com for complete application list



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.

Required Tools:

- Torque wrench
- Chain tensioner compressor tool
- Camshaft locking tool

INSTRUCTIONS:

1. Remove engine covers and timing chain covers to access timing chain.
2. Rotate engine to TDC on #1 cylinder. Lock camshafts in place with camshaft locking tool.
3. Use chain tensioner compressor tool to depress and lock timing chain tensioner.
4. Remove timing chain guide rails and slacken timing chain.
5. Split timing chain using Chain Splitter Tool A1.
6. Remove upper timing chain. Mark direction of chain with marker for re-installation.
7. Remove lower timing chain. Mark direction of chain with marker.
8. Clean mounting surfaces of chain guides / tensioners and engine block. Inspect for damage or wear. Replace if necessary.
9. Install lower timing chain on crankshaft sprocket matched to marked direction.
10. Install chain guide rail. Ensure timing chain is properly aligned on crankshaft sprocket.
11. Install upper timing chain matched to marked direction.
12. Install chain guide rails. Ensure timing chains are properly aligned.
13. Apply Locking Compound to thread of tensioner bolt. Install timing chain tensioner and torque bolt to 22 Nm.
14. Verify correct cam timing by rotating engine two full turns and aligning timing marks.
15. Reconnect timing chain ends using Riveting Kit A1/B1 and Thrust Pieces A4-A6/ B4-B8 (Reference Component Chart).
16. Remove locking tools. Rotate engine and verify smooth operation.
17. Reinstall timing covers and engine covers. Torque to specs in repair manual.
18. Start engine and verify proper operation.

Components:

CTA Part#	Part#	OEM No.	Description
1095x01	A1	602 589 02 33 00	Riveting base tool with spindle
1095x02	A2		Screw
1095x03	A3	271 589 01 63 00	Pressure piece with Magnet Sim
1095x04	A4		Mounting Thrust piece
1095x05	A5	271 589 01 63 00	Mounting Thrust piece
1095x06	A6		Screw
1095x11	B1	272 589 00 39 00	Riveting base tool with spindle
1095x12	B2		Screw
1095x13	B3		Use on M271
1095x14	B4	272 589 01 36 00	Mounting Guide bead
1095x15	B5	272 589 01 63 00	Guide bead for duplex timing chains
1095x16	B6	272 589 00 63 00	Mounting Thrust piece
1095x17	B7		Mounting Guide link
1095x18	B8		Screw
1095x19	B9	272 589 03 63 00	Mounting link 3 for duplex timing chains

