



BTR 5.7 HEMI VVT STAGE 4

GEN III 2009+ HEMI APPLICATIONS

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|---------------------------|---------|-----------------------|---------|
| INTAKE DURATION @.050" | 224 ° | ROCKER ARM RATIO | 1.65 :1 |
| EXHAUST DURATION @.050" | 24X ° | NET LIFT INTAKE | 0.587 " |
| LOBE LIFT INTAKE | 0.356 " | NET LIFT EXHAUST | 0.586 " |
| LOBE LIFT EXHAUST | 0.355 " | LOBE SEPARATION ANGLE | 112.5 ° |
| INTAKE LOBE LIFT @ T.D.C. | 0.051 " | | |

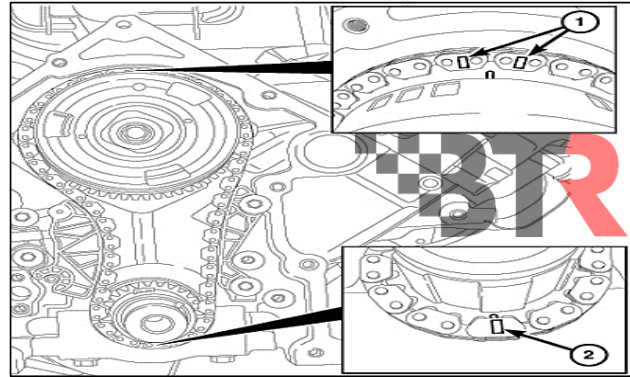
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|--|-----------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|
| SEE TIMING CHAIN DIAGRAM AND HEMI RELATED TOOLS ON REVERSE SIDE | | | | | | | | | | | | | |
| VVT LIMITER REQUIRED: | | BTR-VVT-HEMI-<u>LO</u> | | | | | | | | <i>ACTUAL SPECS MAY VARY*</i> | | | |
| VVT TARGET TABLE | | | | | | | | | | | | | |
| RPM | 4000 | 4250 | 4500 | 4750 | 5000 | 5250 | 5500 | 5750 | 6000 | 6250 | 6500 | 6750 | 7000 |
| VVT CRANK DEG | LOCK-OUT | | | | | | | | | | | | |

| HEMI VALVETRAIN TOOLS | |
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| PART NUMBER | DESCRIPTION |
| BTR-VVT-Hemi-Tool | HEMI VVT LIMITER INSTALLATION TOOL |
| BTRHemiSpringTool | HEMI VALVE SPRING COMPRESSOR TOOL |

| HEMI TIMING CHAIN ORIENTATION |
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| (1) THE DOUBLE MARKED LINK OF THE CHAIN MATCHED TO THE CAMSHAFT SPROCKET MARK (TWELVE O' CLOCK POSITION). |
| (2) THE SINGLE MARKED CHAIN LINK MUST BE ALIGNED TO THE TIMING MARK ON THE CRANKSHAFT GEAR (SIX O' CLOCK POSITION). |

| TORQUE SPECIFICATIONS | |
|------------------------------|--------------|
| CAMSHAFT PHASER BOLT | 72 FT/LBS |
| CAMSHAFT RETAINER PLATE BOLT | 106 INCH/LBS |



FOR MORE SPECS AND TECHNICAL INFO
SCAN THE QR CODE OR VISIT:
BRIANTOOLEYRACING.COM/TECHNICAL

