

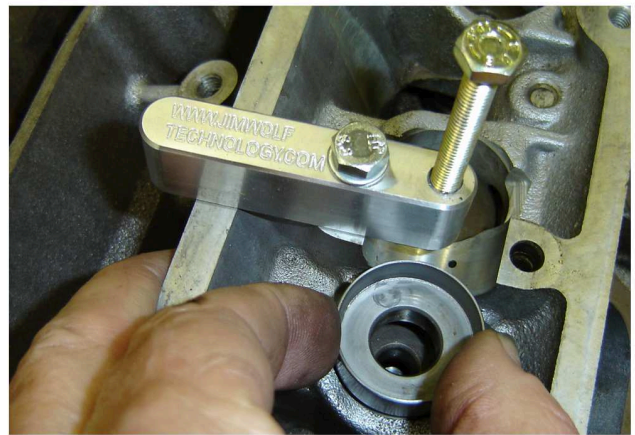
**JWT VG30DE(TT) IN-CHASSIS  
VALVE SPRING COMPRESSOR**

This tool allows a single technician to replace valve springs in a safe and professional manner without removing the cylinder heads from the vehicle.

[www.jimwolftechnology.com](http://www.jimwolftechnology.com)

Inspect that the compressor screw is clean and operates smoothly.

Place a drop of oil on the compressor screw before using tool. With all of the cams removed, shop air (50-75psi) can be applied in the cylinder to insure the valves stay closed during spring removal. Either lock the engine from rotating due to the shop air pressurizing the cylinders or rotate the engine to bottom dead center on the cylinder you are currently pressurizing.



Bolt the tool to the head using the cam bearing cap bolt hole and leave it loose for now. Slide the provided bucket into the follower bore with the flat side up as shown.



Align the tool so the compressing bolt is contacting the flat surface in the bucket and tighten the tool to the head. Tap the bucket with a brass or plastic punch to unseat the spring retainer locks before compressing the spring.



Lower the compressing bolt until it contacts the bucket, then rotate it 5 more rotations. Stop if any binding is felt and investigate! Remove the spring retainer keepers and back off the compressing tool. Loosen and rotate the tool out of the way. Remove the bucket and the spring. Assemble with the new spring in the reverse order.