

AVQ37-ADPTR

VQ37 JWT SPRING COMPRESSOR ADAPTOR
(use with AVQ35-SPCOMP spring compressor)

This tool is for holding the JWT Spring Compressor (AVQ35-SPCOMP) to a cylinder head with no means of bolting it to the head such as on a VQ37 engine (with M12 x 1.25 thread). To install, screw the air tube and aluminum spacer through the center of the spring compressor into the spark plug hole. Align the spring compressor so the M6 compressing bolts clear the edges of the follower bores and tighten the air tube using the 3/4" nut above the aluminum spacer. This tool will allow compressed air to be fed into the cylinder to hold the valves in place while replacing valve springs and or retainers. When pressurizing a cylinder, it is important to lock the engine so that the pressure does not cause the piston to move down, rotating the engine. This can be done by putting the car in a high gear, with the E-brake on and the drive wheels blocked both in front and back of tires to avoid any chance of movement from the pressurized cylinder. For vehicles with an automatic transmission or optionally, you can install a breaker bar on the crankshaft pulley bolt which will need to be securely strapped in place so as to not allow the engine to rotate in either direction.



USING AIR PRESSURE TO HOLD THE VALVES IN PLACE: First break the keepers loose with a sharp but light tap on the spring compressor bucket which has the hole in its center, using a plastic or brass punch. Then add 40 to 50 psi of air pressure to the cylinder and compress the valve spring making sure that only the spring and retainer move down, NOT THE VALVE! If the valve appears to also move down, again try another sharp tap on the bucket follower until the keepers are broken loose and the air pressure is holding the valve against its seat while compressing the spring.