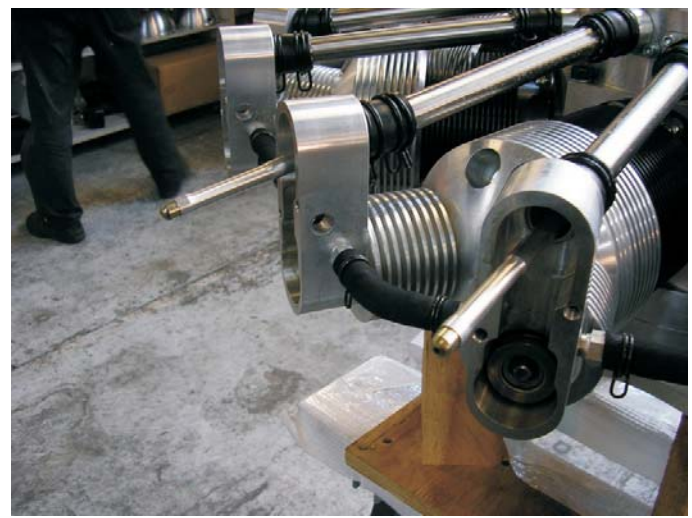




Step 140. This is what the cam plate should look like after safety wiring. TIP. Don't let the safety wire flay about when spinning the pliers, the ends can scratch the nice machined surfaces of the aluminium!



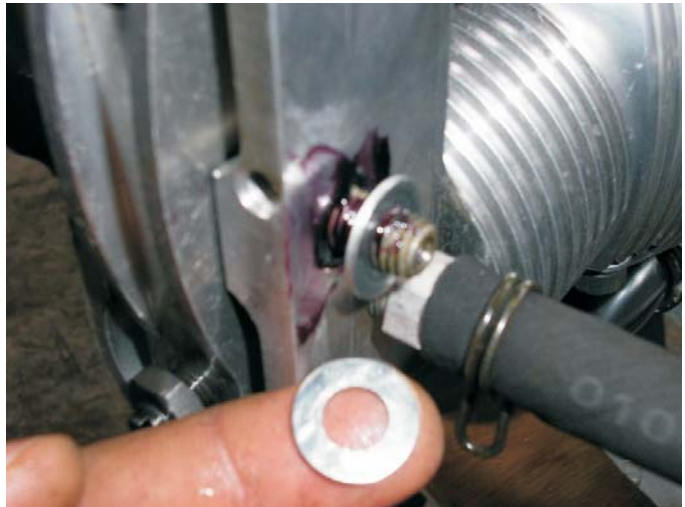
Step 141. Prepare the above. Poke wire thru each end of the push rods to ensure they will transfer oil. Pins should be cleaned of oil. Rockers cleaned with no dirt in roller bearings.



Step 142. Install all 14 push rods with narrow end nearest rocker box.



Step 142. Small bead of 515 and O ring positioned on rocker pin ready for installation. NOTE. Position piston on number 1 cyl. at approx. TDC use a blunt rod to feel the piston approach TDC. WARNING: Don't leave blunt rod sit in cylinder free. It will Jam!!! You must draw the feeler rod up with the piston. Wood dowel is safest. Lifters must not be on cam ramps or lobes!



Step 143. Use 10x1 o ring under washer and M8 nyloc. Use 515 as back up sealant. Rocker pin M8 nut must be always pointing to ground. Temp. adjust valve screw so about 1/8" arm moment on rocker arm. Tighten rocker pin M8 Nyloc approx. 8'/lbs. Check that rocker is still free and is not pinched between rocker box walls. If its is jammed then slightly back of M8 nyloc nut until free. Not ideal I know, but It works! The 515 thread locks too.



Step 144. Set final valve clearance to smallest perceivable movement of the rocker arm. Zero would be ok. Trust me! With heat The engine grows considerably in operation and the valve clearances open right up. Clean up excess 515. Around rocker pin head and nut. Do the remaining cylinders in a sequential order. You will need to do two rotations between each cylinder to get the piston at approx. TDC with the lifters off the cam lobes i.e. on compression not overlap. NOTE: The cam dot is the centre of valve overlap! Do not set here!

WARNING! Double check that the push rod is in the rocker arm cup properly. You can check this as the rocker arm reaches full movement. Common laymen error is the push rod missing the cup!