

Twin Cam Water Pumps

By David De Saxe

"Perhaps Not A Lot of People Know This"

Twin Cam water pumps are like hens' teeth (I've seen one recently advertised on e-bay for US\$400). The bearings on mine collapsed recently and I had the pump rebuilt. Upon re-fitting to the timing cover and having tightened the nuts on the three studs, the bolt and also the lower bolt through the lug on the elbow, I noticed that there was a roughly 1/8 " gap between the rear face of the pump body and the front face of the timing cover. The new gasket I had fitted wasn't mating (and so fitting one seems unnecessary). You will find that the rear face of the lug on the elbow, though, mates snug against the timing cover, and by doing so prevents the pump body itself from fitting flush. . I pondered this for a considerable time, and came to the conclusion that this must be right because only in this position, i.e. with the pump bolts and stud nuts tight resulting in a 1/16" gap, will the dynamo fit correctly to its mounting points and with its pulley in alignment with the pump/fan and crankshaft pulleys. I sought professional advice on this strange phenomenon and have had confirmation that my fitting is correct.