

## Technical Tattle - The instructions on the replacement of the timing chains and tensioners on an S-type 4L V8.

I finally panicked after reading Paul Walton's article on 4L V8 timing chain adjusters, in a "Jaguar World" magazine, as I have been putting this job off for 10 years or so. He did the chains on his XK8 and found the tensioners to be in very poor condition. I have owned my 2000 S type for most of its life and it has just ticked over 100,000 kilometres. I did my homework on having this job done, and found that the cost was going to be, about the value of my car.

Jaguar World had done a blow-by-blow account of the procedure for the chain and tensioner replacement on the V8.

The timing chain cover on my S-type cannot be removed. Having to fit the V8 to the S-type meant they had a much narrower engine compartment than the XJ and XK cars. This necessitated the redesign of the alternator, power steering and a/c compressor mounting brackets plus the engine oil filter location, all adding to the battle I had.

The following is what you need to do before starting the Jaguar World instructions.

- You do not need to remove the bonnet or radiator.

- You must remove the electric radiator fan.

- You must drain the radiator and remove some hoses.

- You must remove the a/c compressor.

**TIP: At this point would be to buy a new drier and install it while you have the radiator hoses off, as the a/c man will have a lot more work to do, if you don't. Make sure you seal all open pipes and fittings with tape while the compressor is out, (moisture is the a/c's enemy)**

Then unbolt the power steer pump. (leave pump in place)

Remove the mounting bracket.

Slacken the alternator bolts as far as you dare without removing them from the threads, do the same with the alternator bracket.

Drain the engine oil and remove the oil filter,

With a large Allen key, remove the centre stud holding the water cooling jacket and move it to one side (this should allow the timing chain cover to be removed)

You can now follow the instructions as given in the Jaguar World Magazine.

One last thing to remove the cam covers you must remove all the plastic parts in front of the windscreen including the wipers, you also need to remove the a/c housing on the passenger's side.

Good luck.

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