

140kw model Critical Sprocket Alignment Information

Incorrect alignment destroys chains guides and tensions and voids warranty

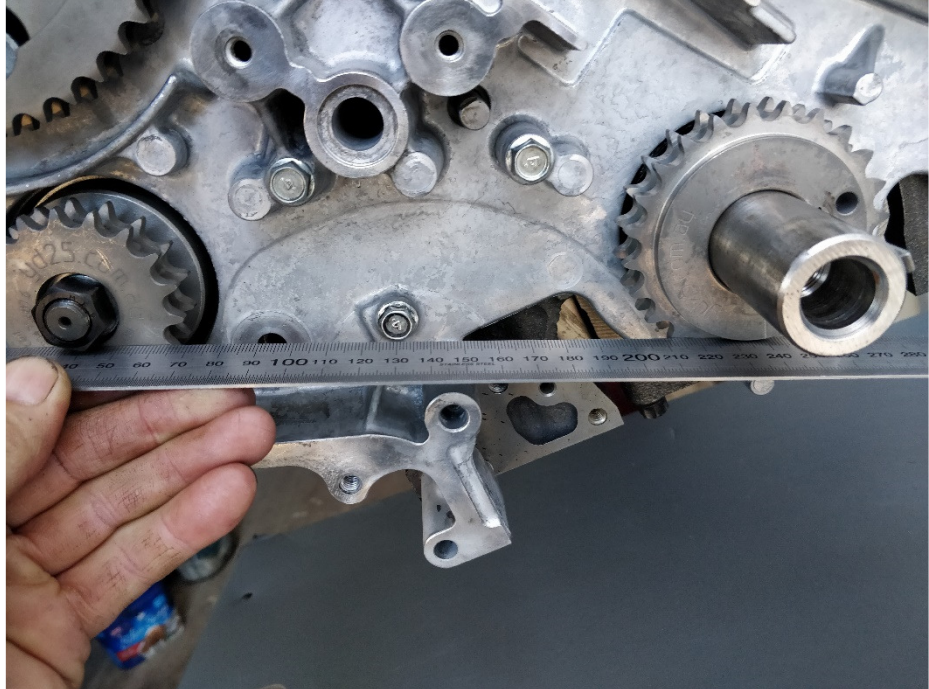
Wash original vacuum pump fasteners and shaft thread with parts cleaner. Fit vacuum pump sprocket to shaft. Grind black washer to fit sprocket. Tighten tube nut finger tight. Use a straight edge and check alignment from vacuum pump to crank shaft sprocket.

There are shims available for the vacuum pump sprocket alignment.

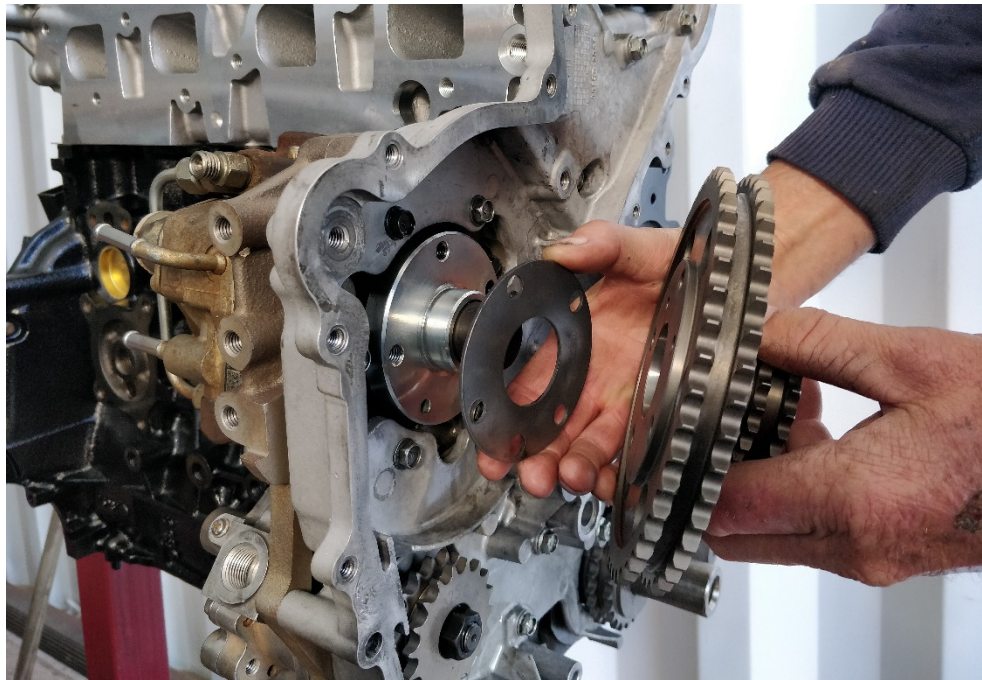
Only perfect alignment between the vacuum pump and crankshaft sprocket is acceptable.

Failure to do this will destroy chains sprockets guides.

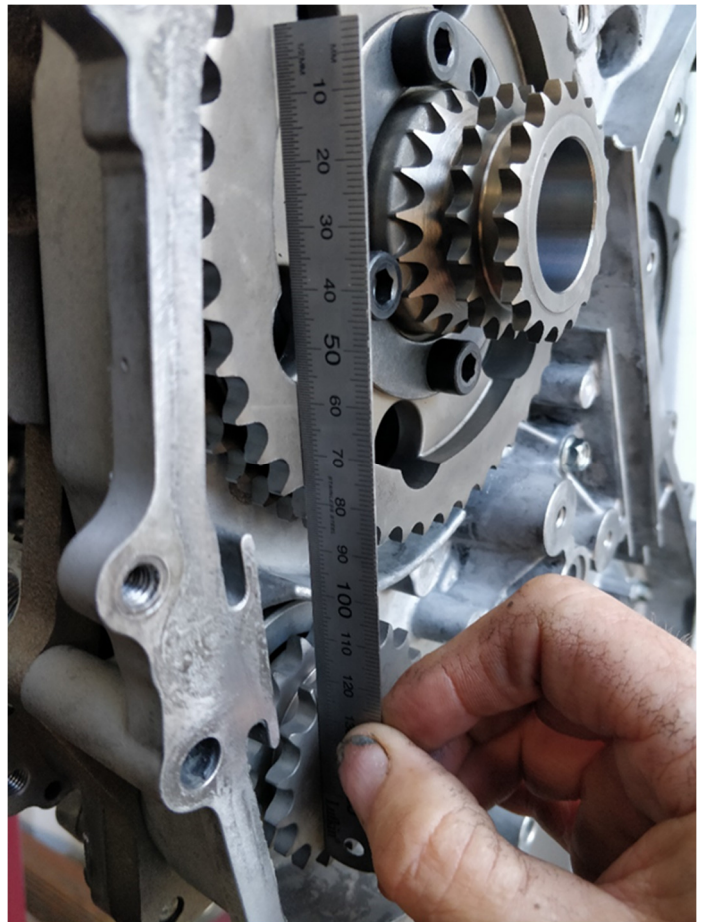
When alignment is achieved apply Loctite to vacuum pump tube nut then torque to 40-foot pound with rattle gun.



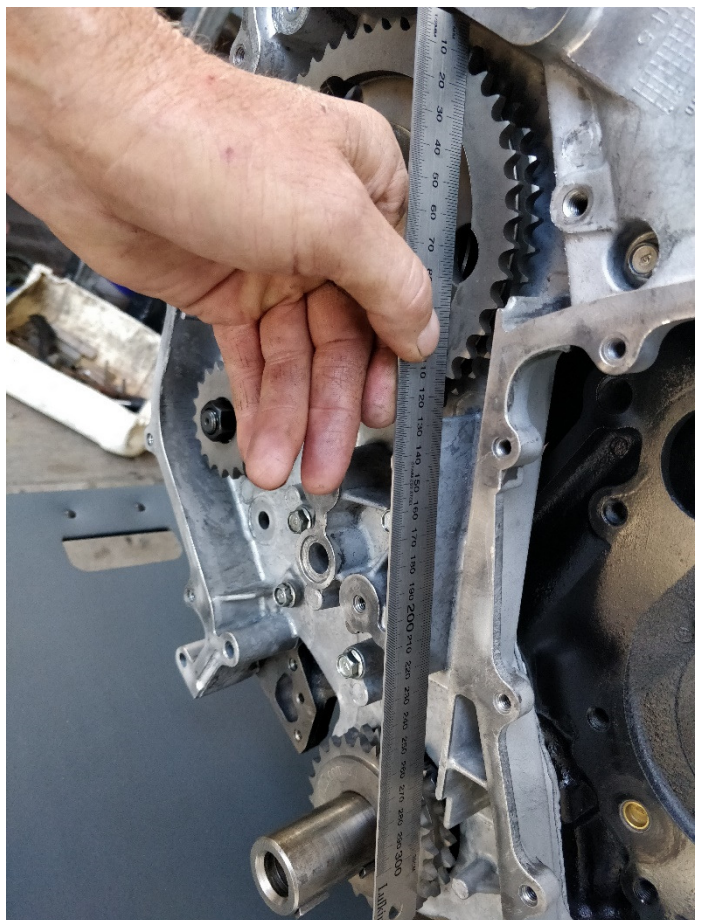
Ensure fuel pump shim is fitted. Fit fuel pump sprocket with washer and 4 cap screws.



Using a straight edge on the vacuum pump sprocket check the fuel pump alignment with the vacuum pump sprocket. There is end float in both pump shafts. The fuel pump sprocket must be in alignment with the vacuum pump sprocket. The factory does not always fit the correct shim. Shims are .50, 1.0, 1.2, 1.6. To achieve exact alignment of the fuel pump sprocket surface finish the mounting face of the fuel pump sprocket. To see how this is done go to yd25.com.au information video page



Check alignment between fuel pump sprocket and crankshaft sprocket. If the alignment adjustments were done correctly these sprockets will be in alignment.



Only perfect sprocket alignment is acceptable. Need help? 0424034935