

Service Manual

Assembly & Disassembly

322CL, 322C L Hydraulic Excavator

322CL, 322C L:
HEK00001 and up

Caterpillar 322cl Manual

Huangqi Zhang



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web mar 11 2020 there are no one size fits all timing solutions but a generally stock headed fe will like around 38 degrees total timing you generally don't have to worry too much about initial timing over 12 degrees but again you have to be careful with the vacuum advance to not get back into that over advance situation

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web align the timing marks of the camshaft with the mark plates of the timing chain and install the timing chain hint align the timing marks with the mark plates while turning the hexagonal service portion of the camshaft using a wrench 2 install chain tensioner slipper a install the chain tensioner slipper 3 install chain tensioner

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web rotate the crankshaft pulley two complete turns clockwise and check the timing marks if the timing marks are correct tighten the lock bolt for the tensioner to 20 to 34 n m 200 to 350 kgfcm for fe to 37 to 52 n m 380 to 530 kgfcm for f2 engine check the movement on the tension side of the timing belt

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web fe engines use a timing assembly very similar to other ford engines with the aforementioned cam thrust plate an offset positioned dowel pin for locating and a single central cam bolt for retention the factory cam sprockets were often aluminum with molded nylon teeth for quieter operation

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web jul 22 2009 a set the timing mark to 0 on the timing chain cover by rotating the crankshaft clockwise b verify the timing marks on the camshaft timing gears are in general alignment with the timing marks of the camshaft bearing cap see chart note when the engine is correctly timed the timing marks will not perfectly align

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