

Get Free Subaru Outback Engine Bolt Torque Specs Pdf For Free

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web bolt diameter socket size initial torque final torque inch mm inch mm 1 3 8 2 1 16 1125 ft lbs 1 3 turn d11r d11n 5130 1 1 8 1 11 16 675 ft lbs 1 3 turn d10t d10r d10n d10 1 1 1 2 675 ft lbs 1 3 turn d9t d9r d9n d9l 1 1 1 2 425 ft lbs 1 3 turn 1160 1280 ft lbs 7 8 1 5 16 505 ft lbs 1 3 turn web mar 22 2019 side bolts 18 ft lbs connecting rod bolts first design 15 ft lbs 60 degrees second design 85 degrees cylinder head bolts m11 x 2 0 x 155 5 22 ft lbs 90 degrees fasteners that list an angle are torque to yield tty the specs listed are for stock fasteners if you use arp or other aftermarket fasteners follow the instructions web apr 12 2018 these specs are for stock type bolts with light engine oil applied to the threads and the underside of the bolt head moly and other lubes offer reduced friction and increased bolt tension which will affect the

torque figure if you use aftermarket performance bolts like arp s you should follow the recommended torque specifications web torque bolts and nuts in a criss cross sequence using a minimum of three torquing passes and the maximum bolt stress as defined pass 1 torque sequence torque to a maximum of 30 of the final torque value in accordance with the torque sequence check that gasket is getting compressed uniformly pass 2 torque sequence torque to a web arp ultra torque fastener assembly lubricant today s critical head studs and bolts main studs and bolts and driveline have been designed stronger than ever before to handle the extreme loads as a results installation pre loads the amount the fastener is stretched during installation are very high web 1 proofload is the published number that full size headed bolts are tested to the bolt is web bolt diameter mm recommended torque nm class 8 8 class 10 9 5 7 9 6 12 16 8 30 40 10 55 75 12 100 135 14 160 215 16 245 335 20 480 650 web a popular formula for quick bolt torque calculations is $T = kfd$ where T denotes torque f denotes axial load d denotes bolt diameter and k torque coefficient is a calculated value from the formula $k = \frac{d}{m} \tan \mu \sec 1 \mu \tan \sec$ 0 625 μ c as given in reference 4 p 378 where web these metric bolt torque charts show the ideal tightening torque for class 8 8 10 9 and 12 9 web feb 1 2023 they torqued my rod bolts to 60 ftlbs and mains at 70 on the big bolts and 40 on the 3 8 bolts the head studs were done at 70 on the long and 65 on the short they said to strictly follow those specs to match what they did for the work and clearances they did using a known good torque wrench while checking there work and stuff my web bolt torque specifications these charts show suggested maximum torque values for threaded products and are intended only as a guide always refer to the manufacturers recommended torque values if possible cdi torque products is not responsible for any application of torque or it s consequences as a result of using this chart use at your own web where T torque ft lb d nominal diameter in p clamp load lb r tightening web bolt torque calculator calculate required bolt torque improvised torque wrench web us recommended bolt torque fine thread figures are for 1 14 grade 2 5 and 8 values are web automotive

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