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|  | **ASSEMBLING GUIDE** ***(152 K203 01)*** |  |

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| The box is contained the kit of crankshaft pulley of called item number **152 K203 01.**Content : One (1) pc crankshaftpulley called **152 K203 01.** Pls control of correctness for item reference, provided that item reference content is not being corrected, directly contact with **Kentpar Otomotiv Co.***OE.REF. NUMBERS ARE FOR PURPOSE OF INFORMATION*

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| **BRAND** | **MODEL** | **YEAR** | **ENGINE VOLUME** | **KW** | **PS** | **OE. REF.** |
| MINI | CABRİO F57 | 2015/11-2016/08 | Cooper S B46 , Cooper S B48 , Cooper SD, JCW |  |  | 11238602800 |
| MINI | CLUBMAN F54 | 2015/07-2016/08 | Cooper D ,Cooper S B46 , Cooper S B48 , Cooper SD, Cooper SD ALL4 , JCW ALL 4  |  |  |
| MINI | F55 | 2014/07-2016/08 | Cooper S B46 , Cooper S B48 , Cooper SD  |  |  |
| MINI | F56  | 2013/12-2016/08 | Cooper S B46 , Cooper S B48 , Cooper SD,  |  |  |

*Those knowledge are not same the information of manufacturer company’s handbook.To be disassembled of original parts,it can be necessary special produced disassembling gauges.** For easy disassembling procedure,engine should be totally cold.
* Open engine cover to be reached easily to engine section.
* It should be unfasten the wheel screws which are next to the crankshaftpulley and then be chocked the wheel.
* Remove the plastic shelter front of the crankshaftpulley by denesting the Wheel

(For vertical engines,it will be enough lifted the vehicle )* Unfasten the tensioner pulley by using gauge of disassembling tensioner pulley and remove the belt from its place.
1. Manual Gear : By seperated disk clutch through accessory ,the gear of vehicle is throwed into 5th gear. Denested the bolt of crankshaftpulley from its place by pressing brake pedal.
2. Automatic Gear: Follow up the user guide of vehicle manufacturer company .
* After disassembling of out of order crankshaftpulley,connection points should be cleaned from the foregin matters such as corrosion and rust and so on.

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| ATTENTION: For an easy assembling,head of crankshaft should be cooled by cooler sprey. |

* Due to become of diminitive tolerances of crankshaftpulley inner dimension and crankshaft outer dimensions, placed it with sensitively and carefully.

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| ATTENTION : Unordered placed,enforced or forced back assembled crankshaftpulleys are being constitued the risk of damaged ,belt removing and early break down at the moment first starting. |

 | * When the crankshaft head still cold,crankshaftpulley should be placed smooth and sensitively and follow up below squencing torque specifications \*
* Hold on reaching the crankshaft to normal cold condition and follow up squencing torque specifications \*

Through original tensioner pulley ,the rest of disassembling parts are being assembled on the contrary of disasembling row by tighten of belt again

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| **MINI** CABRİO F57, CLUBMAN F54, F55, F56 |
| **\*Engine Volume**  Cooper S B46 , Cooper S B48 , Cooper SD, JCW, Cooper D , Cooper S B48 , Cooper SD ALL4 , JCW ALL 4, Cooper SD, | **\*Torque Specifications :**1. Change belt,idler pulley and tensioner pulley kit sets.
2. Screws, washers or nuts should be changed with original ones.
3. Squeeze the screw with torque meter key until

40Nm+60°+60°1. Be sure that the belt should be same level on all pulleys
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