

# WATER PUMP UPGRADE KIT INSTRUCTIONS .

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KTM 790,890,990, CFMOTO 800MT , KOVE  
800 , HUSQVARNA NORDEN 801,901

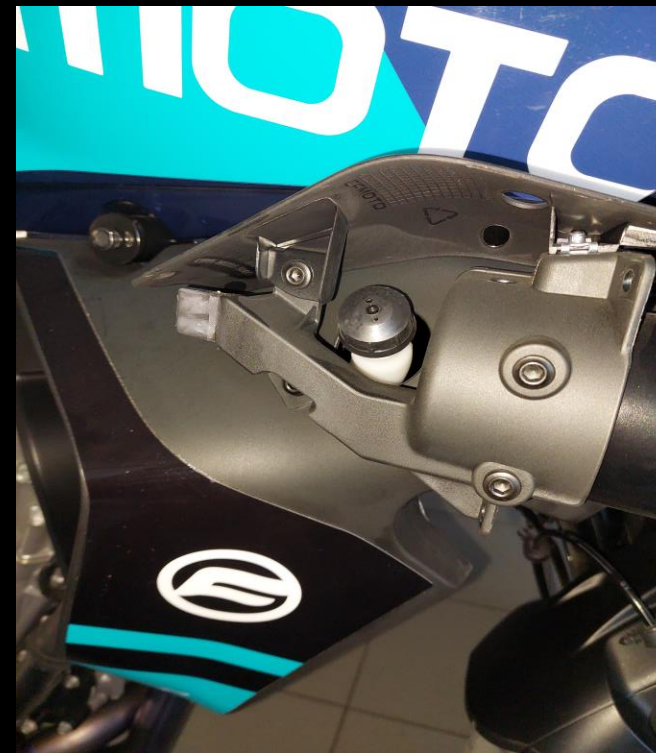
# Process photo



# Process photos



# Process photos



# Tools and liquids

- Torque wrench with 8mm , 10mm , allen 5mm walnuts
  - T type or similar 8mm wrench .
  - Allen type 5mm wrench
  - 10 mm wrench or chestnut with walnuts.
  - Long funnel
  - Motorex M4.0 or similar coolant liquid 2lit.
  - Motul mocool
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# Disassembly process

- 1. Release the 2 type 5 allen screws in front of the engine guard .
  - 2. Release 4 hexagon type screws 10mm over than engine guard .
  - 3. Release 2 allen 5 screws and take off the left plastic engine cover .
  - 4. Release but not take off the drain screw .
  - 5. Release and take off the refrigator cup
  - 6. Use plastic box with at least 2 lit capacity put it in front of drain screw .
  - 7. Release the drain bolt .
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# Disassembly - assembly process

- 8. Release the 8mm hexagon type screws around of water pump cap .
  - 9 . Secure the water pump cap .
  - 10. Release the 8mm hexagon type central impeller screw .
  - 11. Take off the impeller .
  - 12. Take off the steel spacer behind of impeller and put it again on the main axle .
  - 13. Put the new impeller on the main axle and tight the main screw 10Nm with Loctite 243 blue medium strength threadlocker or similar .
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# Assembly process

- 14. Put the new spacer on the engine make sure the old sleeves guides is in the position and the new oring on the spacer inner side .
  - 15. Place the new sleeves guides in line with the std .
  - 16. Put the water pump cap carefully in the right position.
  - 17. Use the new 6x40 hexagon 8mm bolts and tight until to touch the cap.
  - 18. Tight the bolts in criss cross line with 10Nm torque .
  - 19. Put in the right position the drain bolt but not tight full.
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# Assembly process

- 20. Fill up the refrigerator with the proper liquid 1,5lit approximately and tight the cap .
  - 21. Let few drops to going out from the drain bolt and after tight 0.8Nm .
  - 22. Removed the right expansion tank cover and take off the coolant liquid from the expansion tank with a syringe.
  - 23. Fill until the top (F) point with new coolant liquid .
  - 24. Put back the engine cover and tight the bolts with 10Nm .
  - 25. Put back the right plastic engine cover and tight the 2 allen bolts with 0.6Nm .
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# Assembly process

- 26. Start the engine and let it to work until 85C .
  - 27. Check for leaks be carefully dont touch the engine or the exhaust .
  - 28. Let the engine to cool completely .
  - 29. Check the quantity of coolant liquid on the expansion tank and top up if necessary.
  - 30 Put the right side expansion tank cover and tght the 2 allen 5 bolts in front of the cover with 0.6 Nm .
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