MULTILINGUAL MANUAL

code.ironbaltic.com/u/rqf3mqxk

CLUTCH KIT

STAGE 3

BIG TIRE & MUD 30”-35”

CFMOTO U10PRO / U10PRO XL

Code 80.10200

Version 31102025



Distributer **IronBaltic, Estonia**

Producer **Vauhti Varikko, Finland**

Keep this manual for future reference!

If you need any spare parts, please send this packaging data to your local dealer or to Iron Baltic sales@ironbaltic.com

SPECIFICATION

Pos.	Description	Code	Amount
1	Helix 42°- 48°	80.10201	1
2	Helix sliding block		3
3	Secondary spring (Big tire 30“-35“)	80.10202	1
4	Screw M4x16 DIN7985	OT.01.02.040	3
5	Bolt M8x40 DIN933	OT.02.02.220	1
6	Washer Ø4 DIN125	OT.04.01.005	3
7	Sticker (VauhtiVarikko)	PM.13.05.024	1
8	Sticker (IronBaltic)	PM.13.05.007	1



INSTRUCTIONS

Thank You that you have chosen our clutch kit. Our clutch kit helps to transfer the engine power better to the wheels so you can use the engine potential more effectively and vehicle is smoother to use. We have gone through long testing period – including real life driving tests as well as the dynamometer tests - before we have chosen this specific setup combination.

Clutch upgrade kits are fully tested and accepted by most CFMOTO distributors. Correctly installed upgrade kit will not cause any damages to your vehicle. The manufacturer of the clutch kit is not responsible for any damage or failure of your vehicle or in case the warranty of your machine will be voided. To ensure correct installation and to avoid possible inconveniences we recommend ordering the installation from an authorized CFMOTO dealer.

Stage 3 Big tire & Mud (31”-35”):

- Engineered specifically for CFMOTO U10 models equipped with oversized tires.
- Designed to handle increased torque and stress.
- This clutch kit ensures optimal power transfer, improved acceleration, and enhanced durability for demanding off-road conditions.
- Ideal for riders seeking reliable performance upgrades without compromising the integrity of their vehicle.

This multiangle helix will correct the gear ratio and upshifting when using bigger than stock tires.
This kit is our ultimate recommendation for units with 31"-35" tires.

Stock helix is straight 45° and gives linear upshifting but when adding bigger tires, this causes the upshifting to be too harsh for takeoff.
This, in turn, causes the belt to get too much stress which can cause the belt to slip, if driving slow on harsh terrain or hauling heavy load.

Our multiangle helix will slow upshift at lower speeds and corrects the gear ratio so that the unit still feels just like driving with stock tires even when fitted with oversized tires.

After the speed goes over 25km/h the helix starts to upshift more and that will show as lower cruise rpm.
Unit top speed remains still the same as with stock helix.

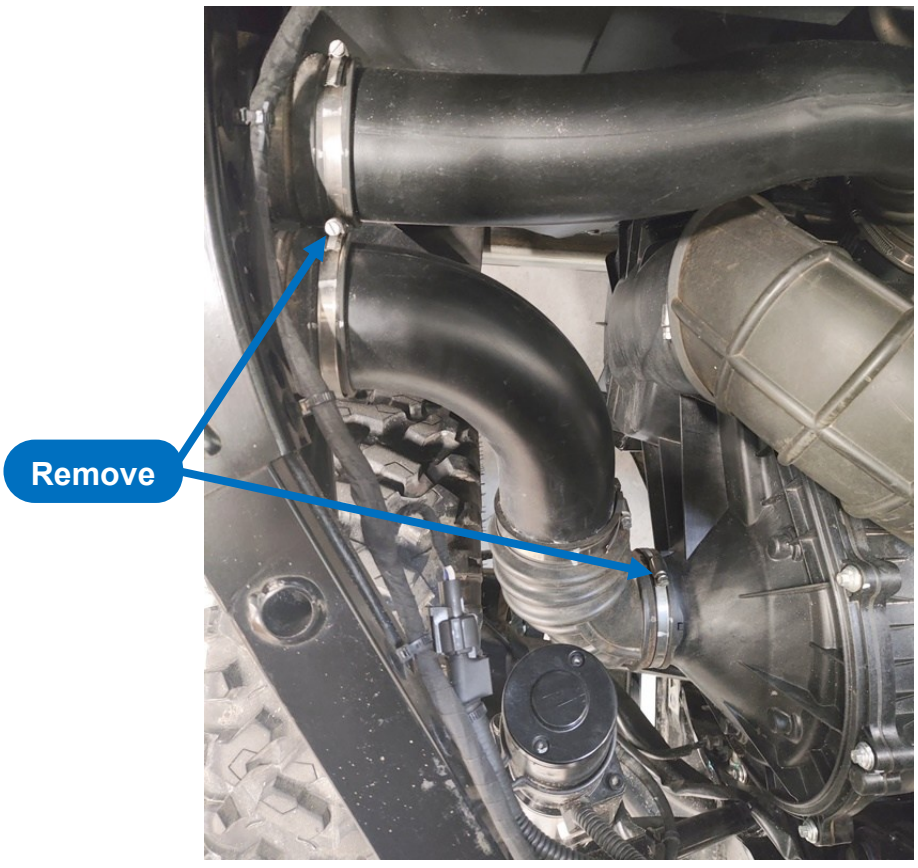
We recommend using official dealership installation services; they have the correct tools and knowledge for such installation.

NB!

All pictures in this manual are for illustration purposes only and may differ from real product due to the changes made to the product during improvements!

1. For easier access,lift the cargo box and then remove the CVT breather hose.

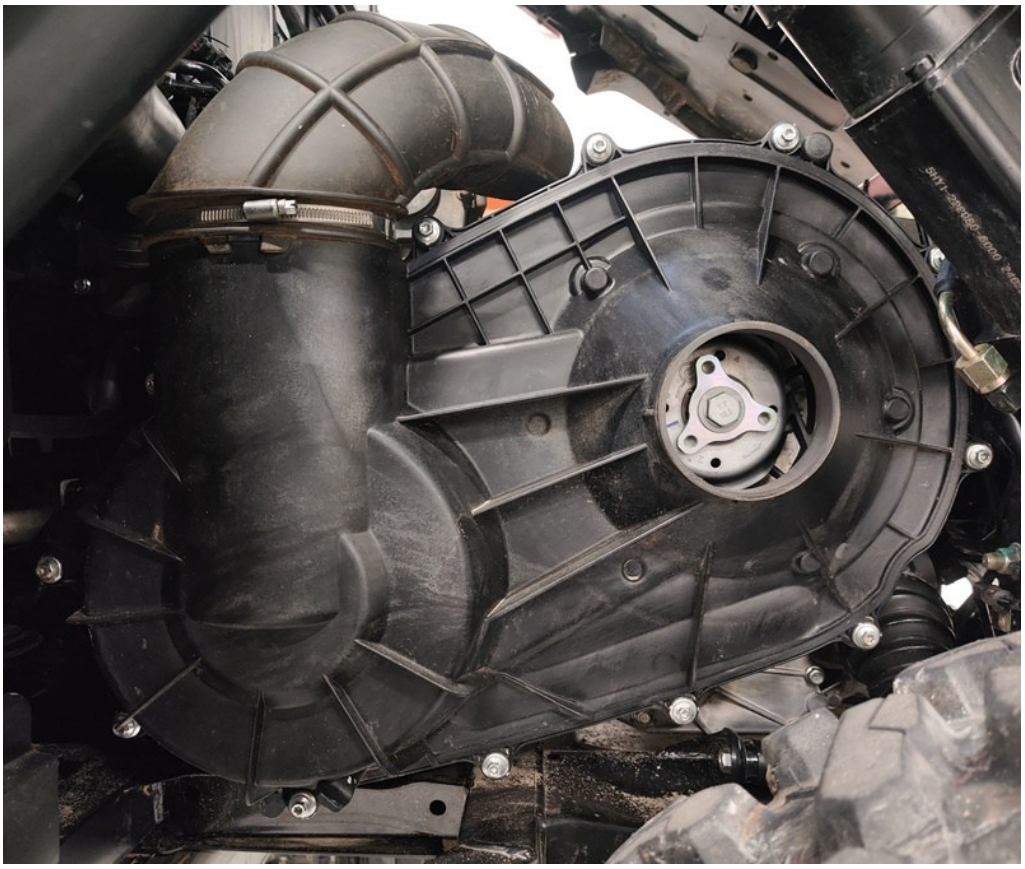




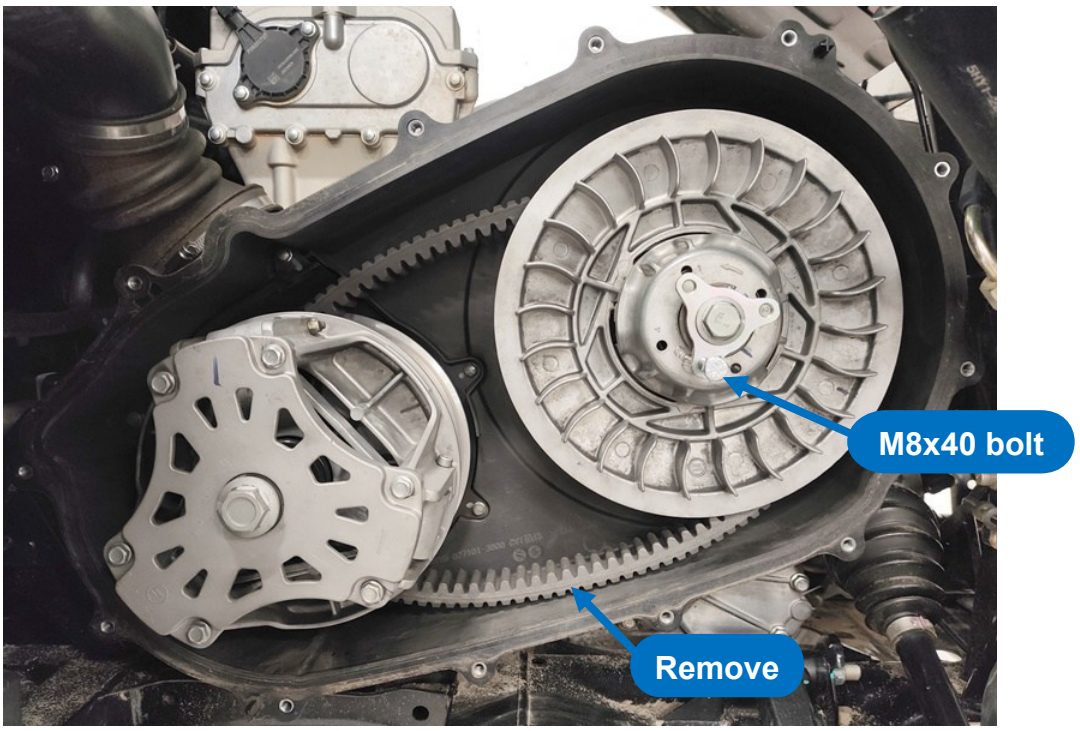
2. Lift the UTV so you can remove rear left wheel.



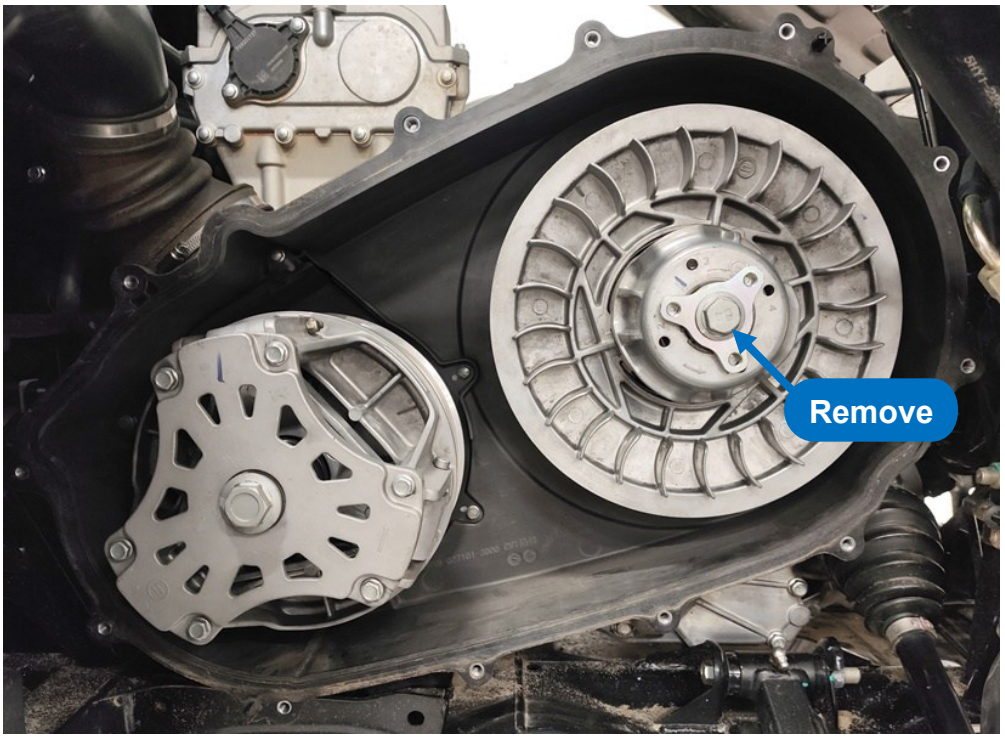
3. Open CVT cover, use T30 torx or 8mm socket.



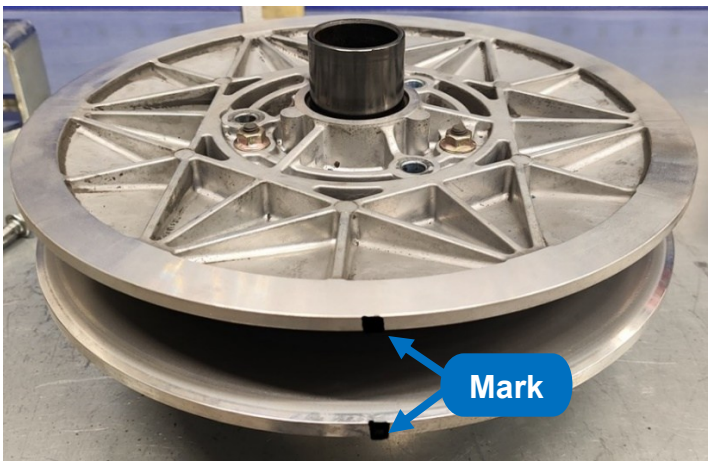
4. Screw in M8x40 bolt to spread the secondary clutch plates and remove the belt.
   Use 13mm wrench or socket. **NB! Remove M8x40 bolt after the belt has been removed!**

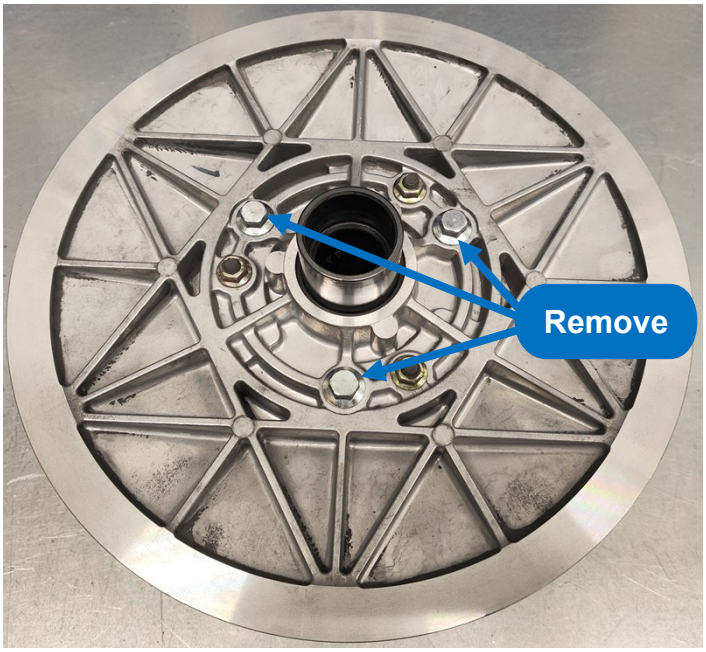


5. Remove the secondary clutch bolt, use 18mm socket.
   If needed use clutch holder tool 80.2300 to hold the secondary clutch in place.



6. Mark the secondary clutch plates and then remove three bolts holding the helix. Use 10mm socket. Disassemble secondary clutch plates.



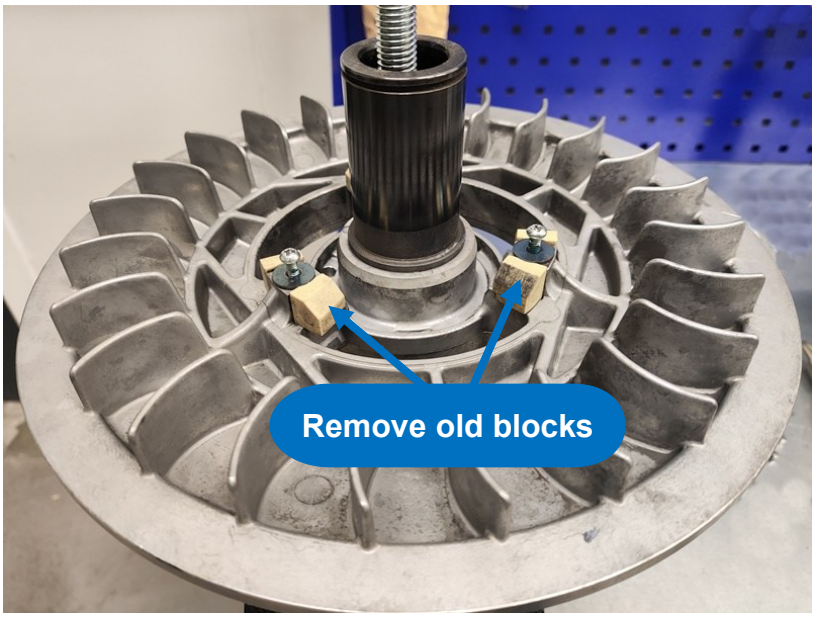


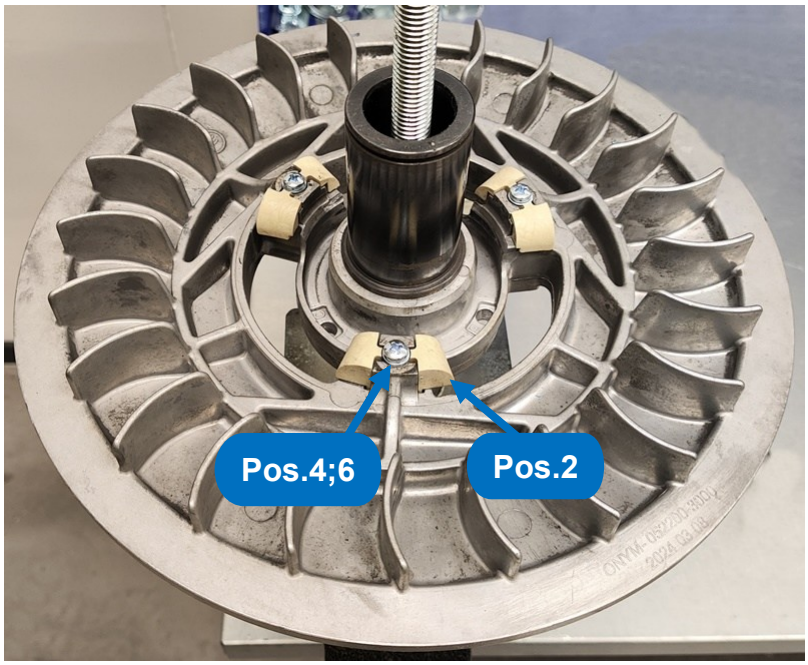
7. Place the secondary clutch onto the compression tool 80.400 to compress the spring and remove the spring clip. After removing the spring clip, slowly release the tension and remove the old helix and old spring.



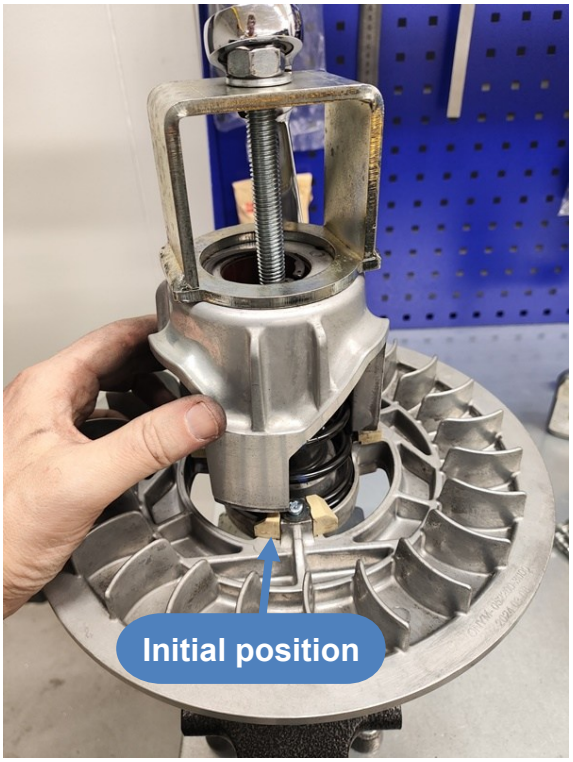


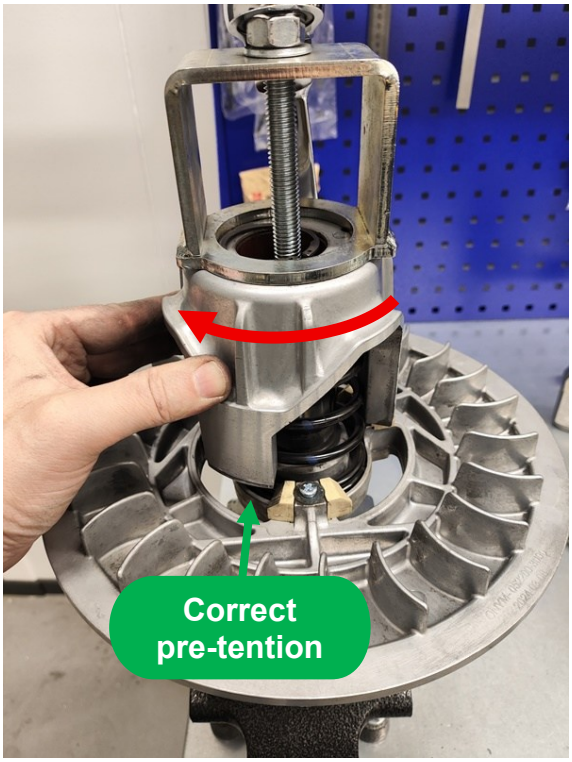
8. Remove old sliding blocks and install new ones, using supplied screws and washers.
Use thread lock fluid!
NB! New helix can not work with old sliding blocks, so it is mandatory to replace sliding blocks with new ones, supplied with the kit!



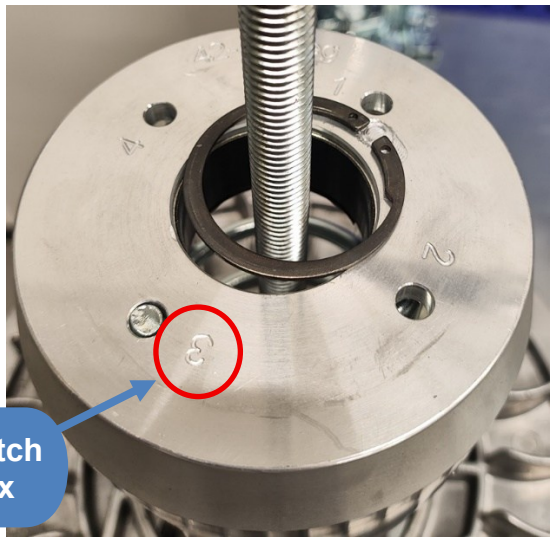


9. Install new helix and new spring. Install new spring to **B-3** position. There are markings on the clutch plate and on the helix.
NB! Remember to pre-tension the spring clockwise! So that the helix sits to the left side of the sliding block!





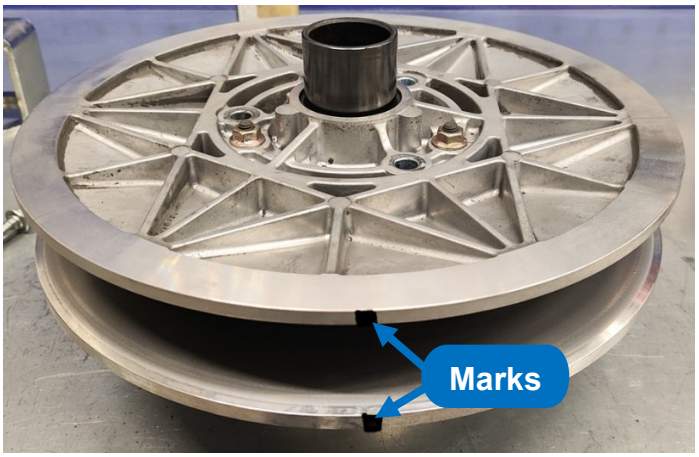


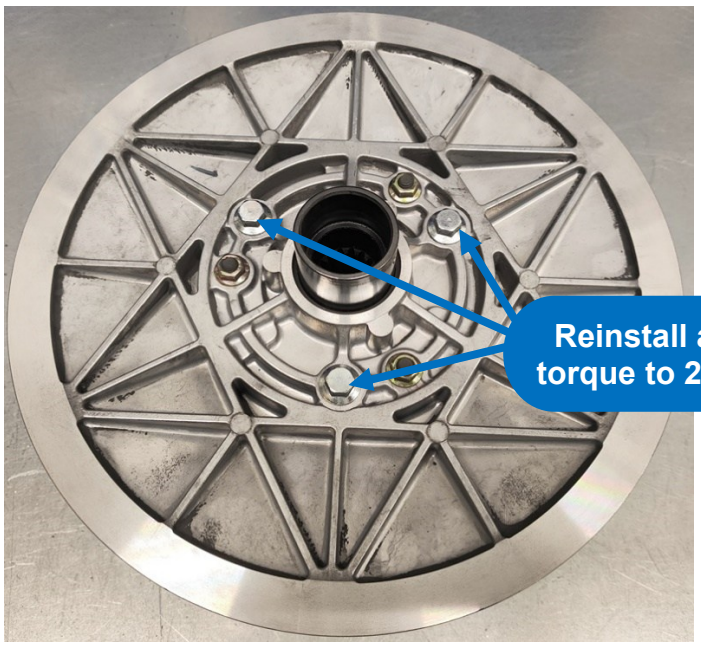


10. Compress the helix slowly, making sure the helix goes straight onto the secondary clutch shaft. Reinstall the spring clip.

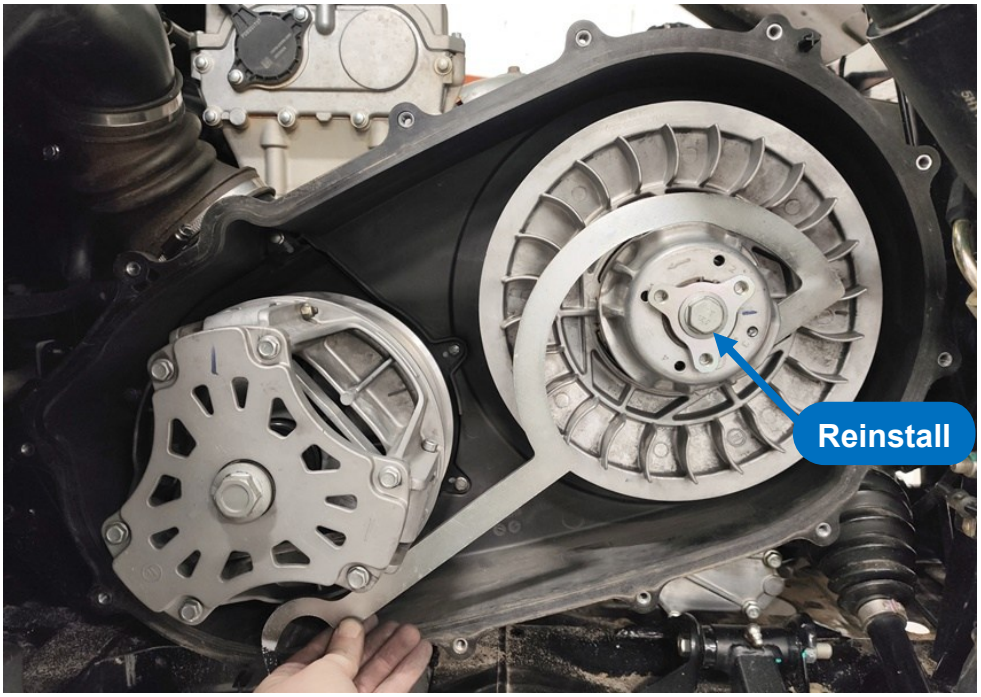


11. Reassemble the secondary clutch. Pay attention to the marks made in Step.6. Use thread lock fluid and torque the bolts to 25Nm.

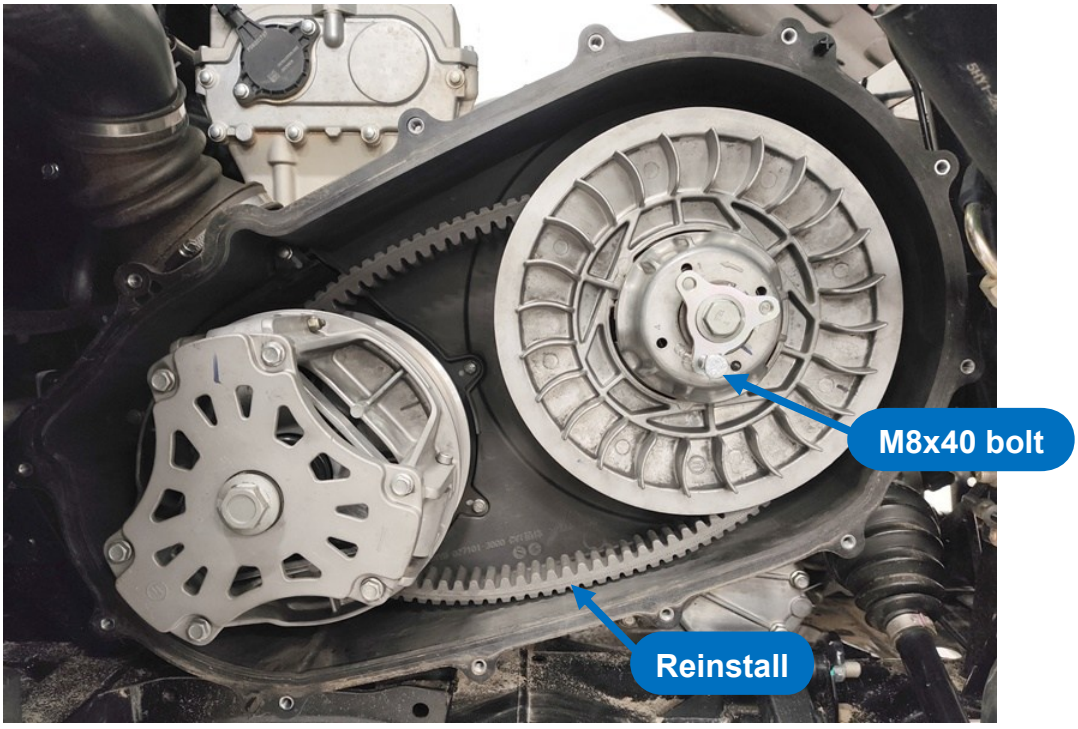




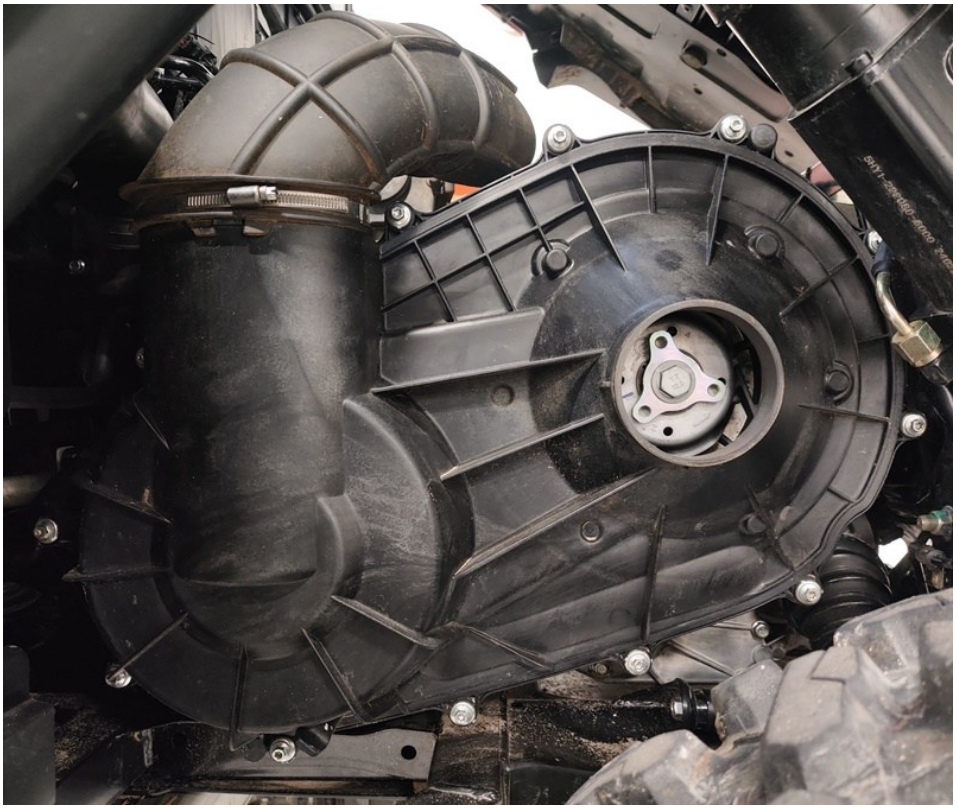
12. Reinstall secondary clutch to UTV. Use 18mm socket and torque the bolt to 70Nm. If necessary, use clutch holding tool 80.2300 to hold the clutch in place. NB! Use thread lock fluid!



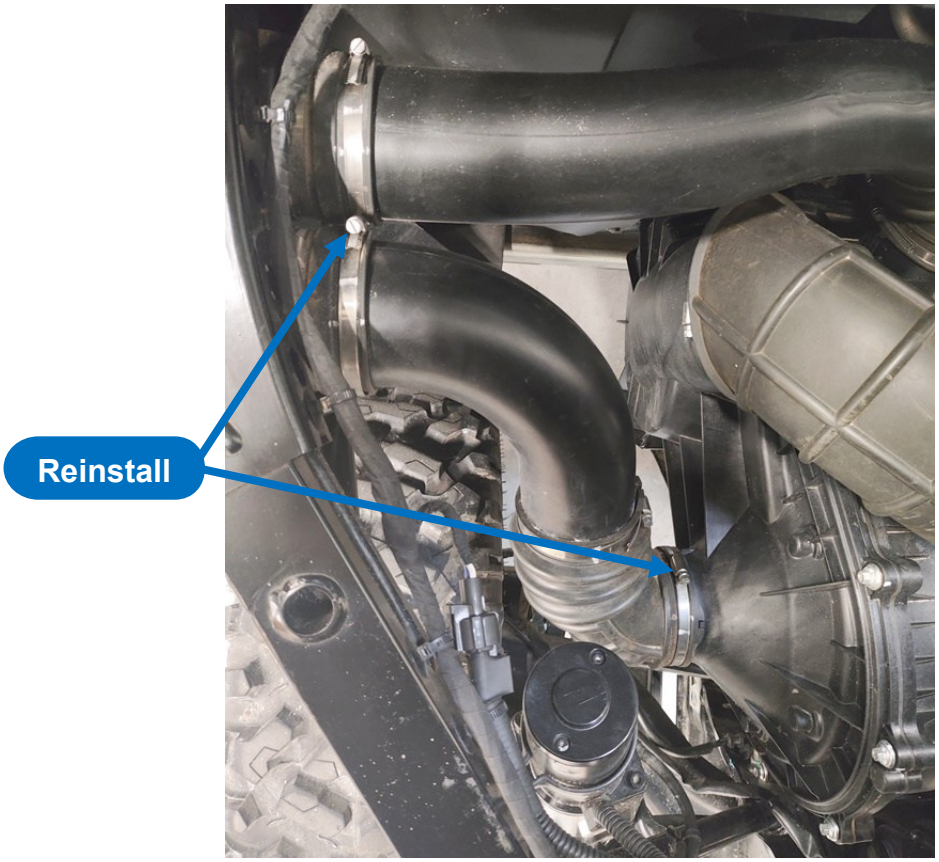
13. Screw in M8x40 bolt to spread the secondary clutch plates and reinstall the belt.
Use 13mm wrench or socket. **NB! Remove M8x40 bolt after the belt has been reinstalled!**



14. Reinstall CVT cover and torque the bolts to 10Nm.



15. Reinstall the CVT breather hose.



16. Reinstall the wheel and lower the cargo box.



You are ready to test drive!

IRON BALTIC OÜ
Joa tee 17
Vääna 76903
Estonia / Europe

+372 6 533 711
sales@ironbaltic.com

www.ironbaltic.com
www.facebook.com/ironbaltic
www.youtube.com/user/ironbalticltd