INSTALLATION VIDEO

code.ironbaltic.com/u/3CY0WIck

MULTILINGUAL MANUAL

code.ironbaltic.com/u/HDpQUrk1

CLUTCH KIT

STAGE 3 TRAIL + MUD

SEGWAY SNARLER AT6 (-2025)

Code 80.5000

Version 13122023



Distributer **IronBaltic, Estonia**

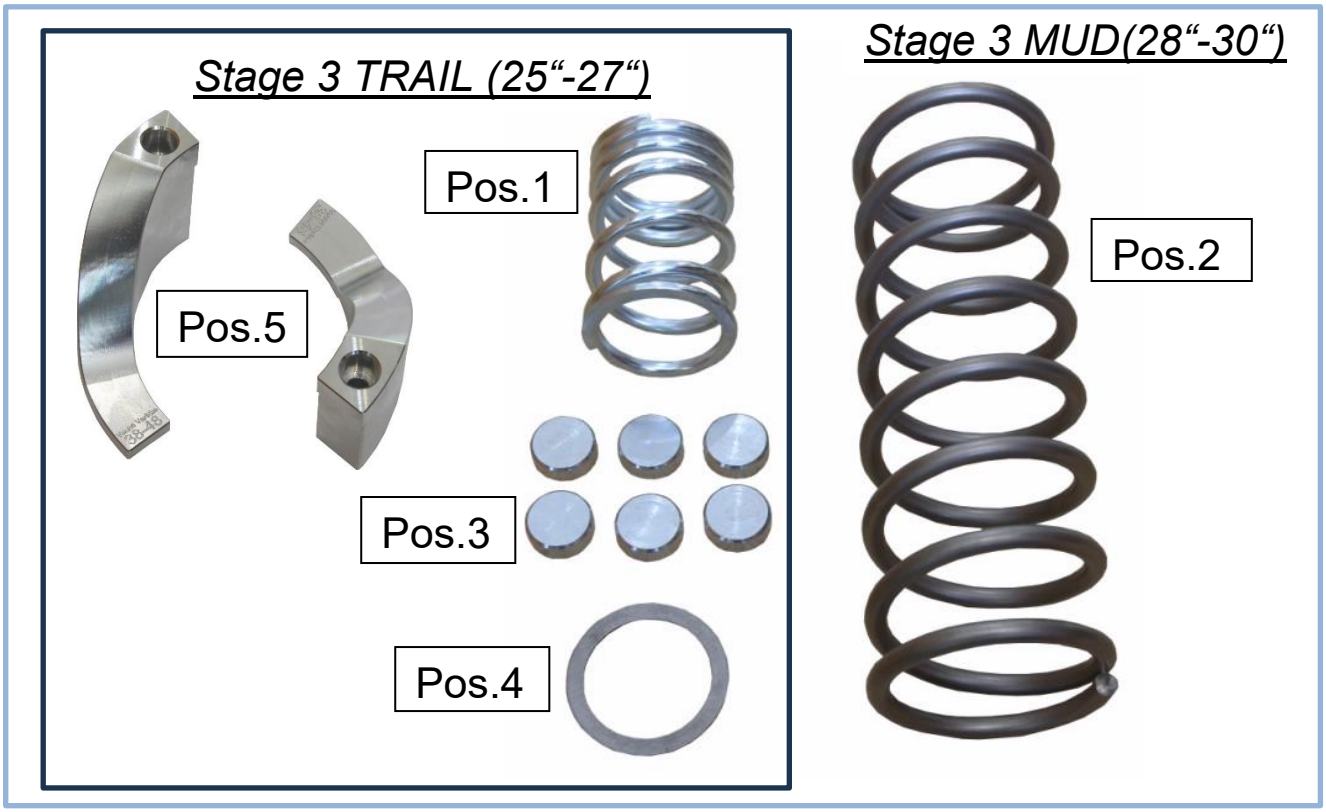
Producer **Vauhti Varikko, Finland**

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	Primary clutch spring (PINK-BLACK marked)	80.3701	1
2	Secondary clutch spring (PINK marked)	80.3702	1
3	Weight (RED marked)	80.104	6
4	Washer 1 mm	80.102	1
5	Helix 38°- 48°	80.5001	1
6	Sticker (VauhtiVarikko)	PM.13.05.024	1
7	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 SEGWAY distributors. Correctly installed upgrade kit will not cause any damages to your vehicle. The manufacturer of the Clutch upgrade 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 SEGWAY dealer.

- Big tire kit for Mud / Skeg use! Helps to transfer the engine power better to the wheels!
- Smoother engagement!
- The lower part of Helix will let you drive at low speed with higher rpm and therefore gives you more HP and Torque to the wheels. This will give you a lot of tire-turning torque to hammer through thick mud / Skeg.
- The higher part of the helix is designed to give more and more upshifting with same rate as your engine is making more power!
- Quicker backshift which results in crisp throttle response!
- Reduces belt slip and heat.
- This is the kit for you if you love riding in thick mud or have big tires!

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

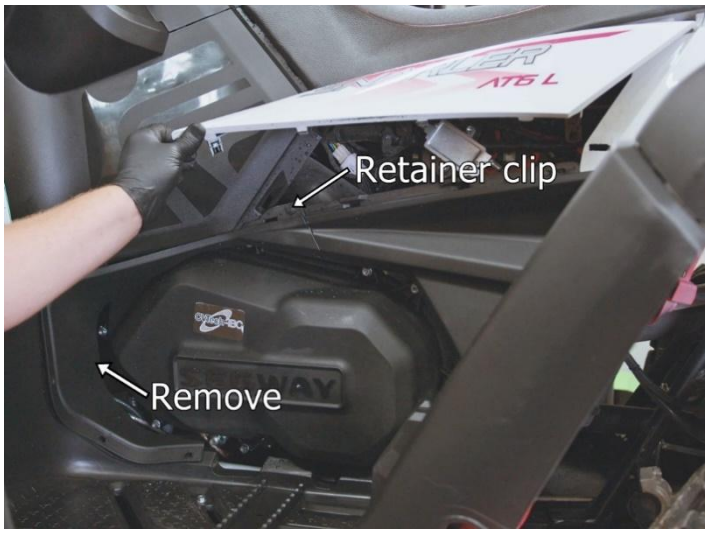
For **Stage 3 TRAIL (25”-27”)** installation you need:

1) Primary clutch spring (PINK/BLACK marked)
2) Weight (RED marked)
3) Washer 1 mm
4) Helix 38°-48°

For **Stage 3 MUD (28”-30”)** installation you need:

1) Everything in Stage 1 kit
2) Secondary clutch spring (PINK marked)

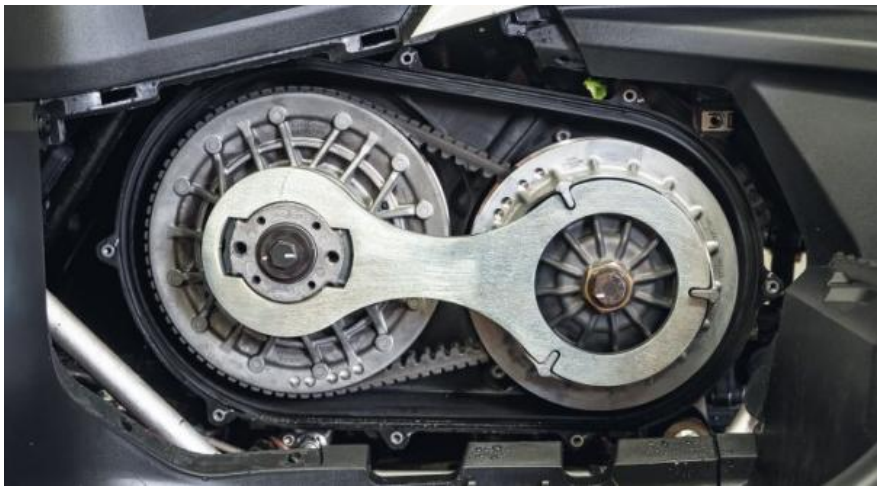
1. Remove plastic cover around the CVT. One retainer clip is hidden under the white plastic.



2. Open CVT cover.



3. Install the clutch holding tool (80.3900).



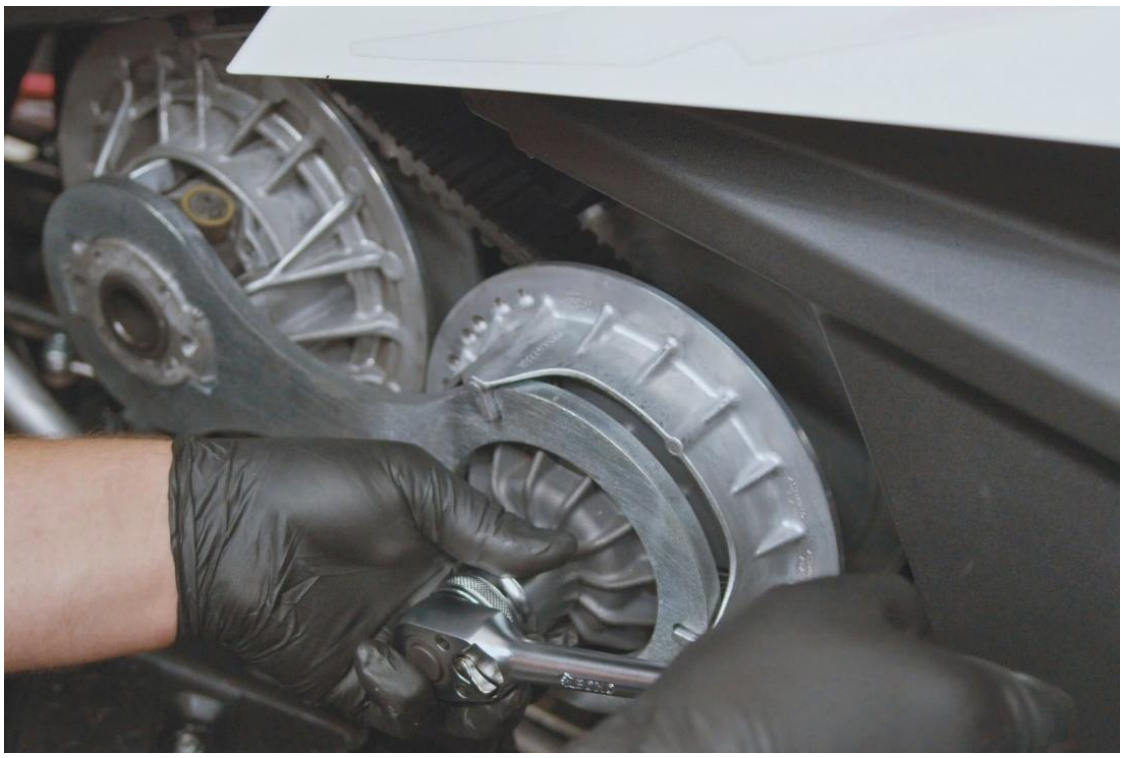
4. Remove the secondary clutch nut. Use a 18 mm wrench.
   Skip this step if you do not plan to adjust the secondary clutch. It is necessary when using bigger tires (27”-28”).



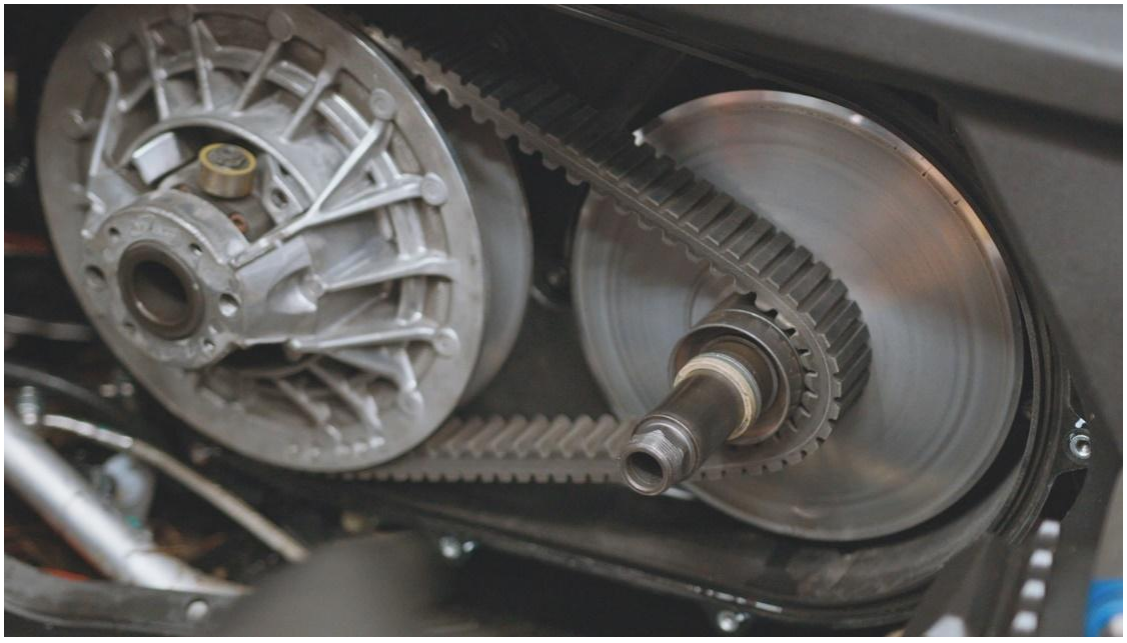
5. Remove the clutch bolt. Use 21 mm wrench. **NB! Bolt has left hand thread!**



6. Remove the cover plate nut. Use 32 mm wrench. **NB! Nut has left hand thread!**



7. Remove clutch holding tool, primary clutch and original clutch spring.

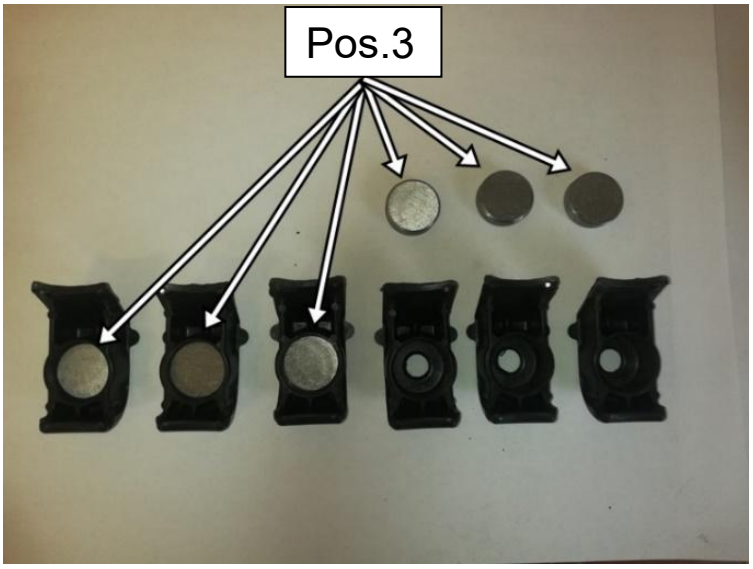


8. Remove the weight sliders from the primary clutch.





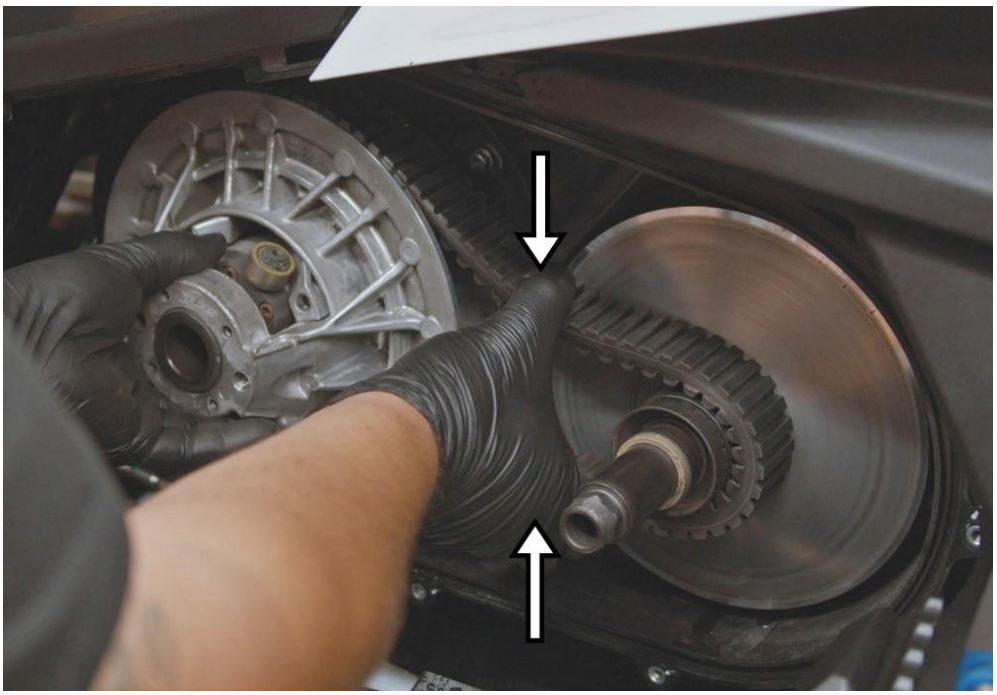

9. Remove original weights and replace them with new weights (Pos.3).

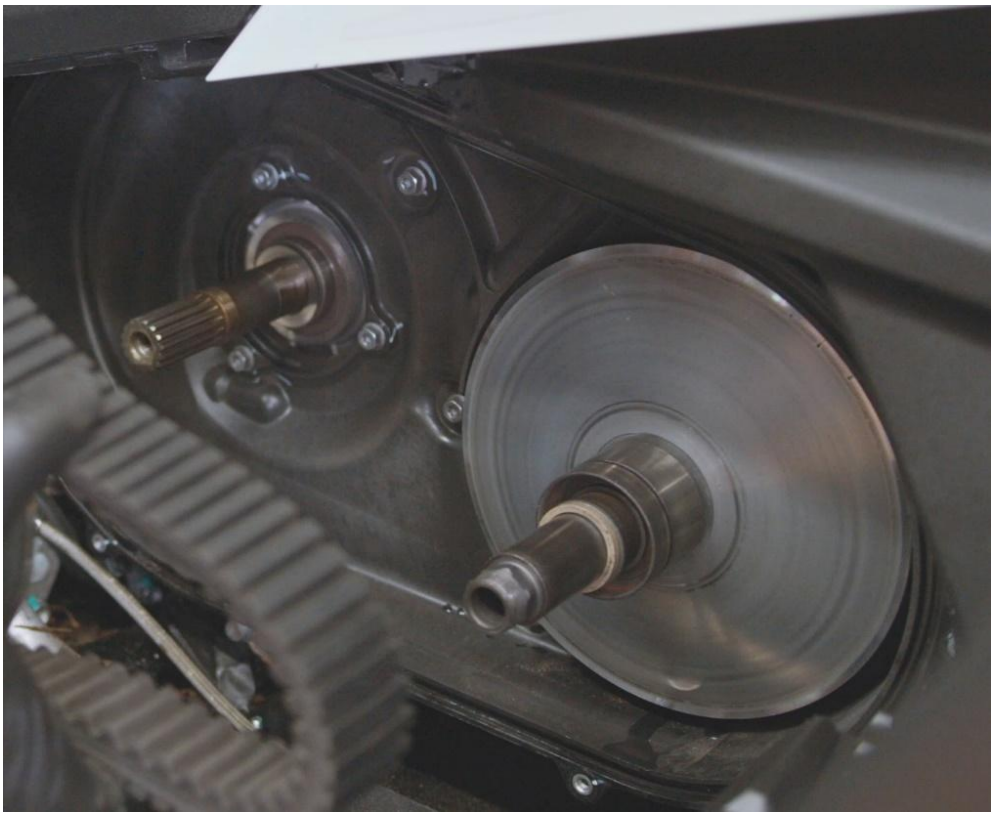


10. Reassemble the primary clutch.

Skip to <u>Step 16</u> if you do not plan to change the secondary clutch. It is necessary when using bigger (28”-30”) tires

11. Squeeze the belt, so the belt would sit lower in the secondary clutch and then remove the secondary clutch.





12. There Open secondary clutch.
    A special tool (clutch spring compression tool: 80.400) is required.
    a. Place the secondary clutch to tool



    b. Lower the spring seat with the compression tool until the retaining ring appears and remove it with an appropriate pair of pliers.

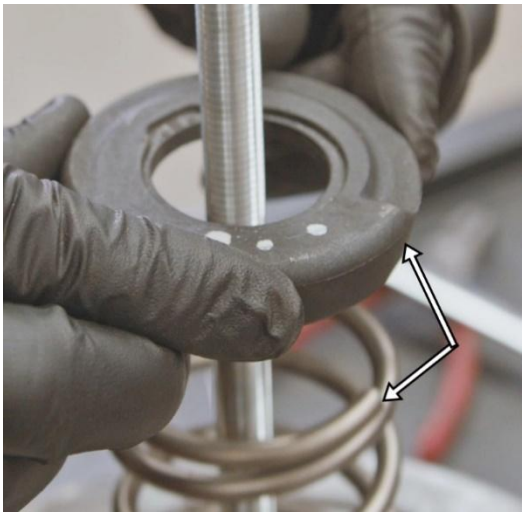


c. Raise the compression tool slowly until the spring pressure is completely loosen and you can remove the spring seat. Be careful of the loaded spring! Remove the old spring.



13. Install new secondary spring (Pos.2) and reassemble secondary clutch. Press the spring seat with compression tool until you can install the retaining ring back.
NB! Make sure the spring seat is in correct position! Notch on the seat fits with spring end.





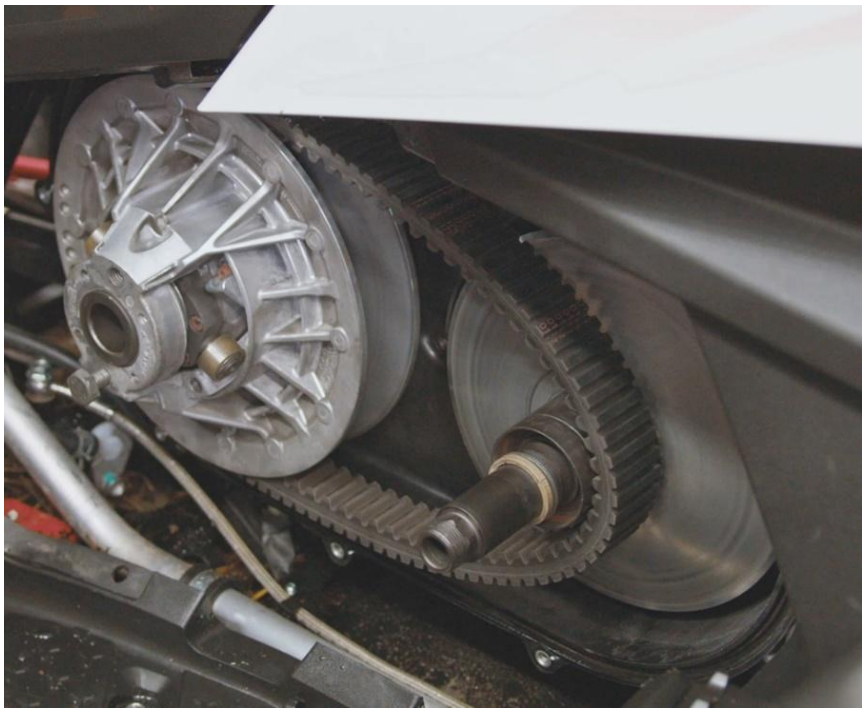


14. Remove the compression tool.

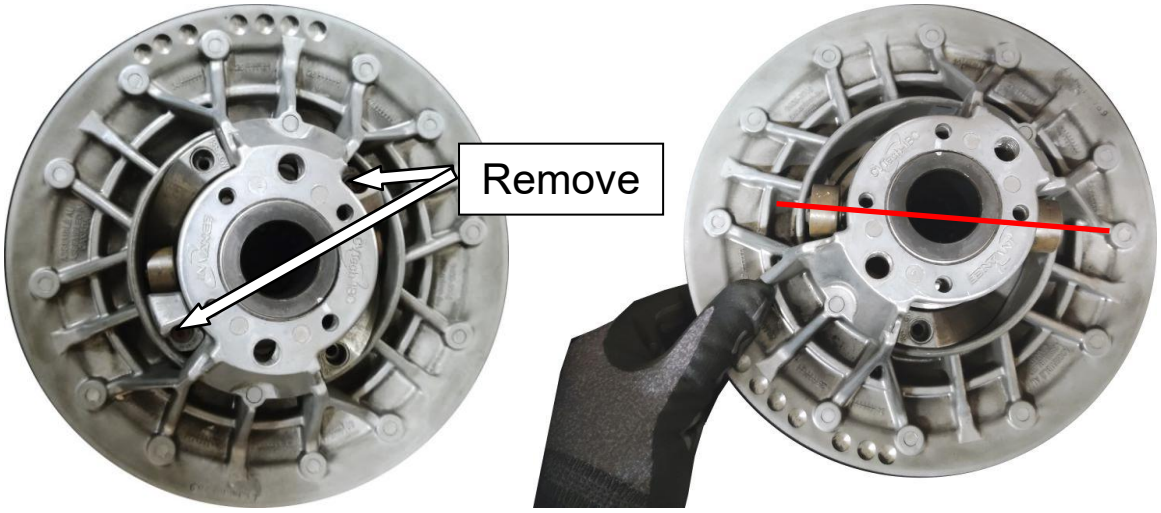
15. Screw in the special bolt (80.3903) to spread the secondary clutch a little bit, so the belt can fit between the two halves.



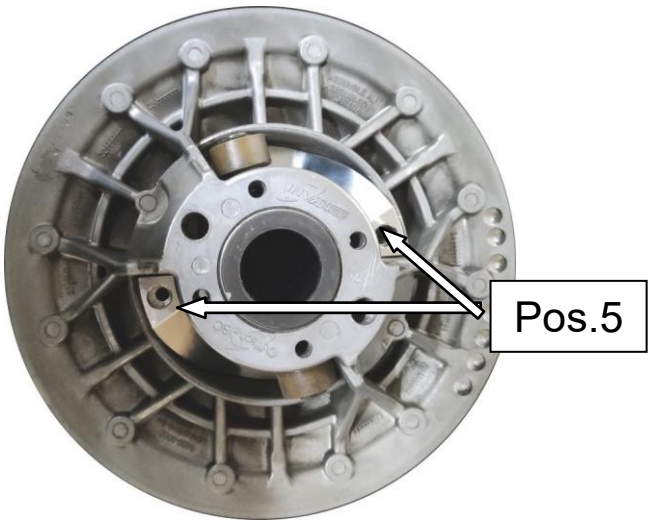
16. Reinstall CVT belt and secondary clutch. Remove the special bolt (80.3903) from secondary clutch.



17. Remove stoppers from secondary clutch. You can do it when secondary clutch is removed from ATV or in place. After removing stoppers, turn one clutch plate while holding the other in place, so that the rollers would be where stoppers were.



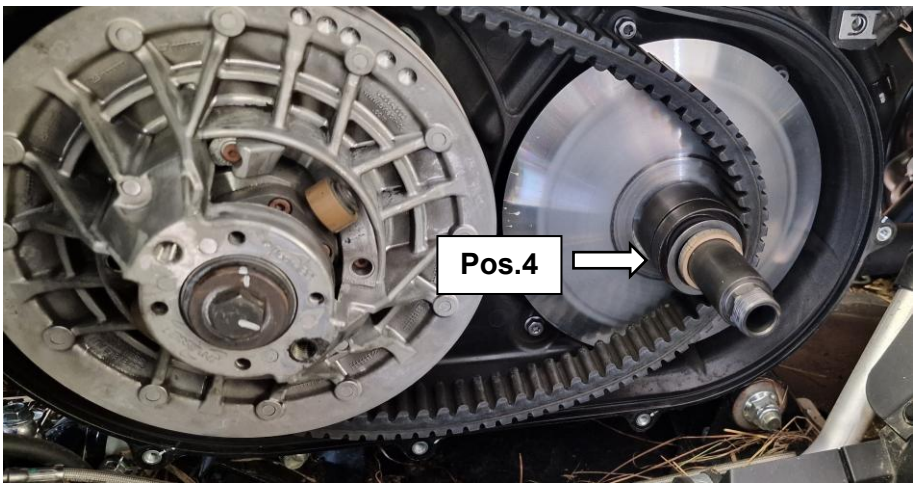
18. Remove old helixes by lifting them out and install new ones. Use thread lock fluid when assembling.



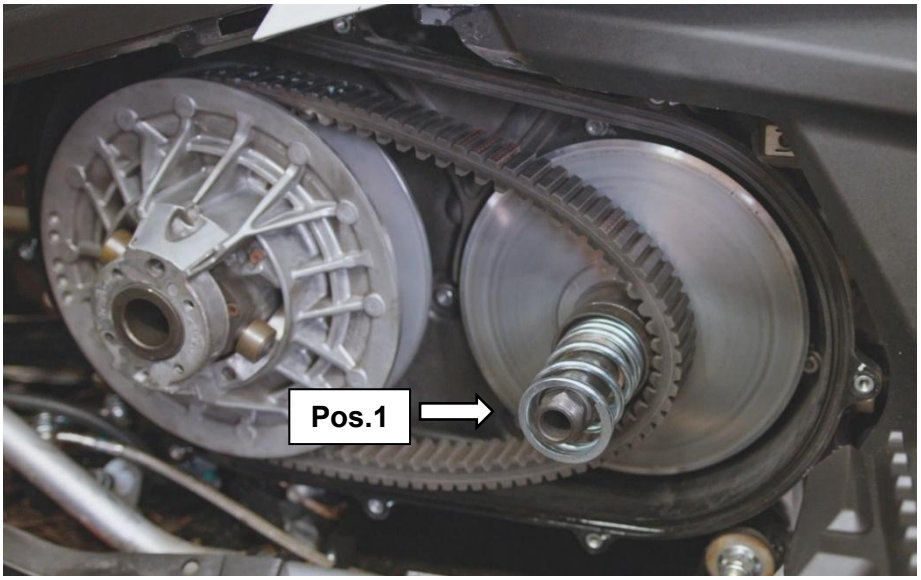
19. Turn the clutch plate to the other side and reinstall the stoppers. Use thread lock fluid when assembling.



20. Install washer (Pos.4) under clutch spring (engine side).



21. Install new spring (Pos.1).



22. Reinstall the primary clutch in place.



23. Reinstall the back plate nut. Do not tighten it. Use thread-lock glue. **NB! Nut has left hand thread!**



24. Reinstall the Clutch Bolt. Do not tighten it. Use thread-lock glue. **NB! Bolt has left hand thread!**



25. Reinstall secondary clutch bolt. Do not tighten it. Use thread-lock glue.



26. Install the clutch holding tool (80.3900)



27. Tighten the bolts / nuts.
    a. Use 32 mm wrench and tighten **back plate nut** to 105-120 Nm.

    NB! Nut has left hand thread!
    b. Use 21 mm wrench and tighten the **clutch bolt** to 105-120 Nm.

    NB! Nut has left hand thread!
    c. Use 18 mm wrench and tighten the **secondary clutch nut** to 80 Nm.

28. Remove clutch holding tool. Check that everything is secured and install CVT cover and plastics back.

    You are ready to test drive!

IRON BALTIC OÜ
Joa tee 17
Vääna 76903
Estonia / Europe

+372 6 533 711
sales@ironbaltic.com

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