ENDURO CLUTCH SPRING

Disclaimer:

This product changes the characteristics of the clutch engagement. Take the time to ride and familiarize yourself with the new spring performance
If you experience any issues, contact Motovictus at support@motovictus.com.

Installation Notes:

Before beginning the installation, review the instructions completely to ensure you are capable of completing the installation.
Ensure you have all the necessary tools and supplies needed to complete the installation.

Fitment:

KTM 2013+ 250/300 2-Stroke Models
KTM 2013+ 250/350 4-Stroke Models
Husqvarna 2014+ 250/300 2-Stroke Models
Husqvarna 2014+ 250/350 4-Stroke Models
Gas Gas 2021+ 250/300 2-Stroke Models
Gas Gas 2021+ 250/350 4-Stroke Models
Beta 2022+ 250/300 2-Stroke Models
Beta 2022+ 350/390 4-Strok Models

Tools Required:

Metric Socket Set
Torque Wrench

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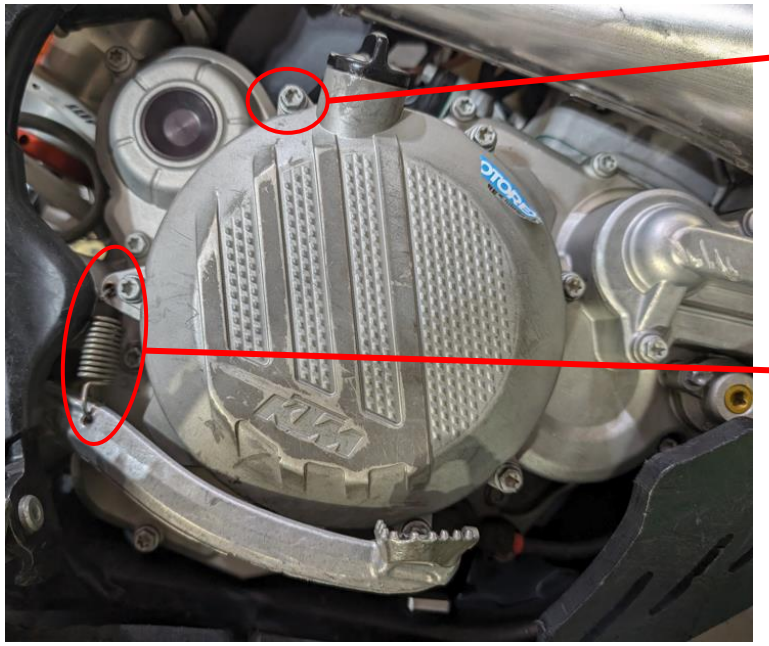
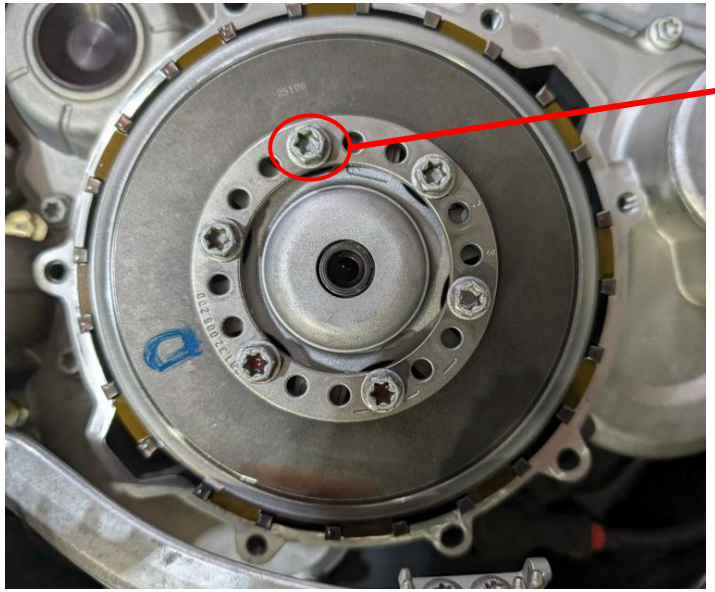
Clutch Spring Installation

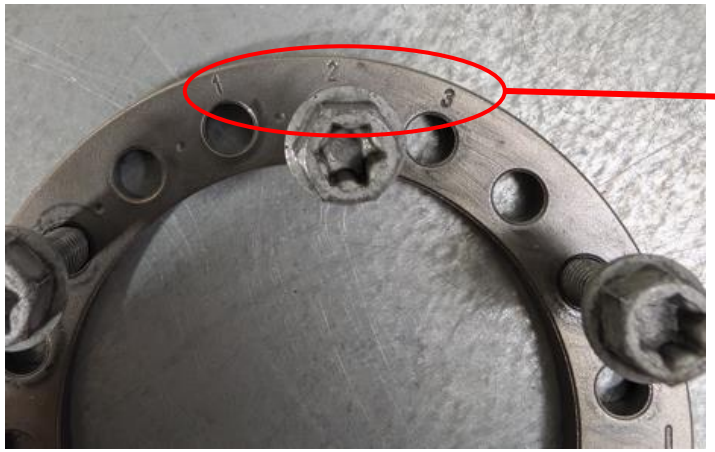
1. Wash the motorcycle and remove all dirt and debris from around the clutch cover.
2. Drain the transmission oil or lay the motorcycle on its left side. Laying the motorcycle on its side makes the clutch spring installation easier.
3. On some motorcycles, it might be necessary to remove the rear brake pedal/spring in order to remove the clutch cover
4. Remove the clutch cover bolts



5. Remove the six clutch spring retainer bolts
6. Determine which position you would like to install the spring from the table below.

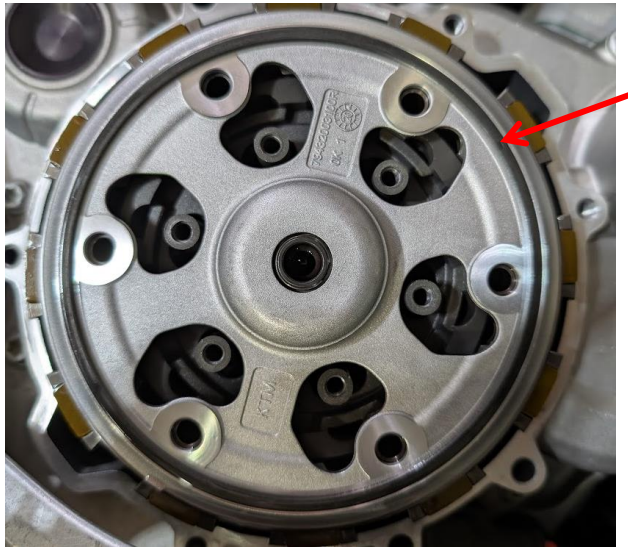
Brand	Position	Description
KTM	2	The spring is designed to be installed in this position. This position will provide a 20% reduction in lever force.
Beta	II	
KTM	3	For more holding torque and a more aggressive clutch engagement, use this position. This position will result in a slightly harder clutch pull and should be used on higher power models or at lower elevations.
Beta	I	
KTM	1	For a lighter clutch pull, use this position. This position will provide less holding torque and a less aggressive clutch engagement and should be used on lower power models or at higher elevations.
Beta	III	

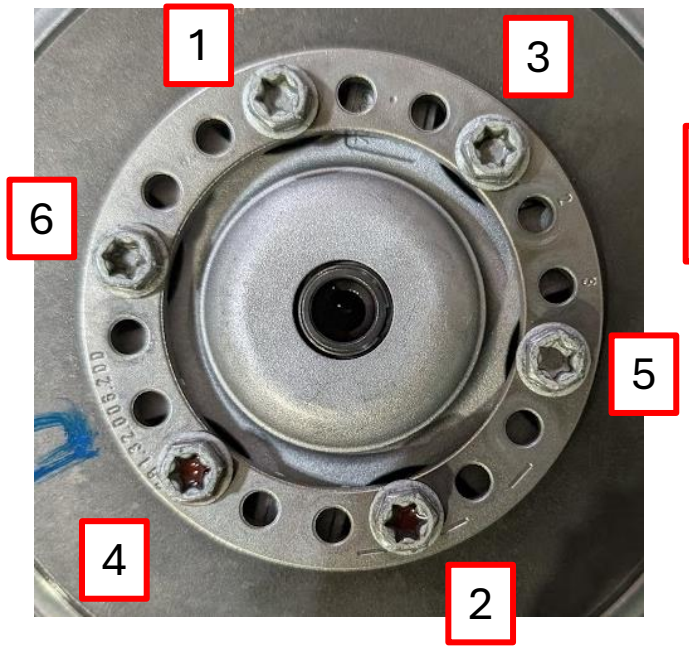




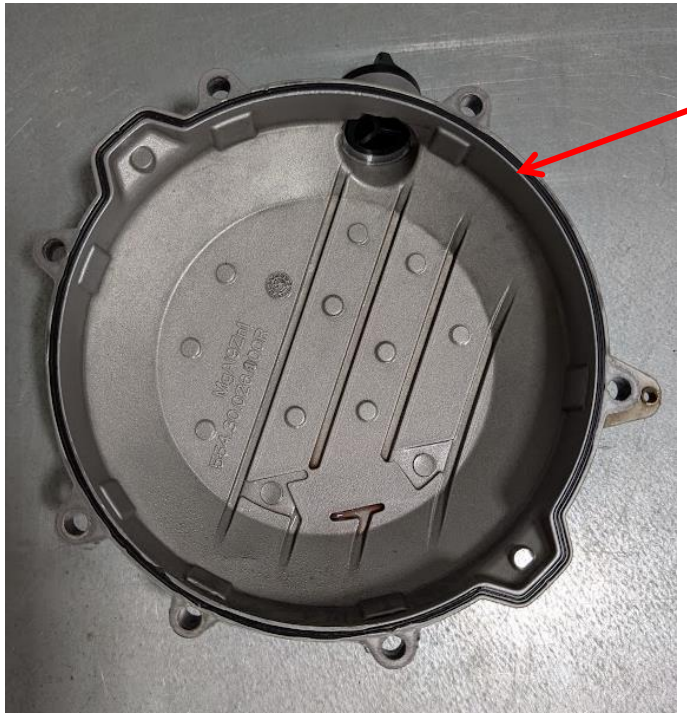
7. Ensure the wear ring is in place
8. Install the spring and spring retainer
9. Install the spring retainer bolts.
10. Tighten bolts in several steps in a crisscross pattern
11. Torque the clutch spring retainer bolts per the table below

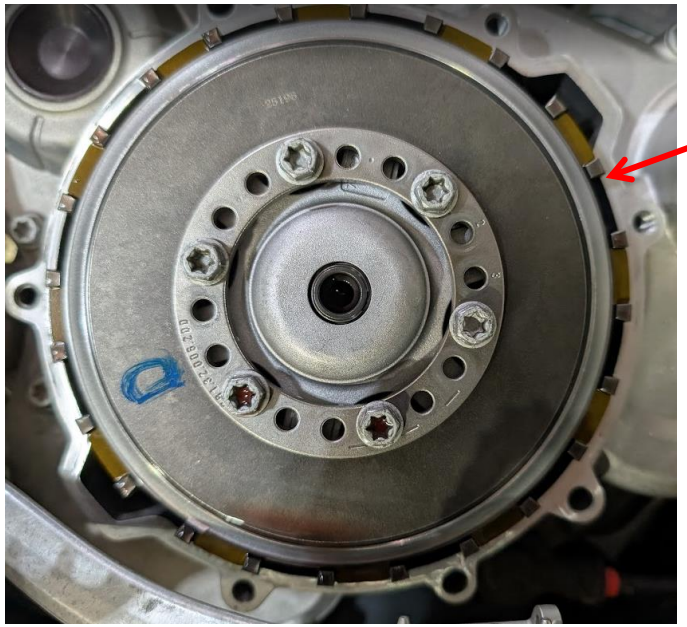
Clutch Spring Retainer Bolt Torque		
Make	Bolt Size	Torque
KTM	M5	4.4 ft*lbs (6 Nm)
Beta	M6	7.4 ft*lbs (10 Nm)





12. Inspect clutch cover seal. Replace if the seal is flattened or hard
13. Wipe gasket surface and clutch cover with clean rag
14. Install clutch cover and clutch cover bolts
15. Tighten M6 clutch cover bolts to 7.4 ft*lbs (10 Nm)
16. Reinstall the brake pedal/spring
17. Refill transmission oil if it was drained



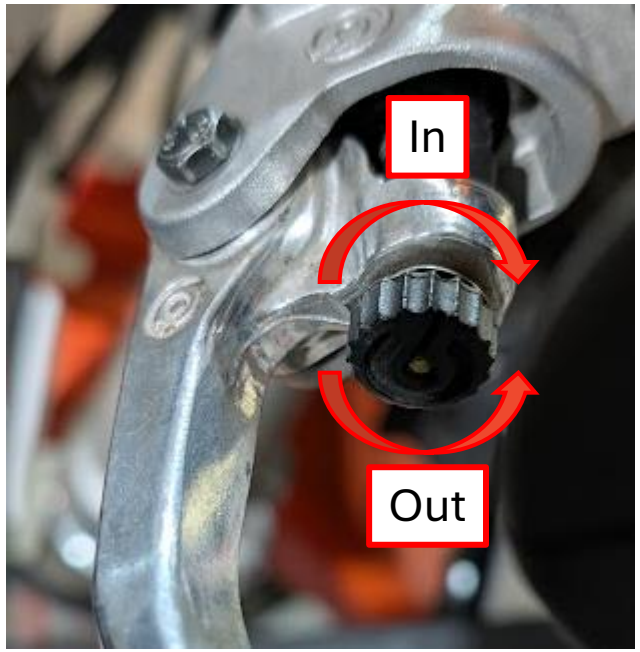


Clutch Lever Push Rod Installation

1. Remove clutch lever.
2. Remove OEM clutch lever push rod.
3. Light grease the ends of the new push rod.
4. Clean and lightly grease clutch lever pivot bushing.
5. Ensure the free play spring is in place and reinstall the clutch lever.

Recommended Clutch Lever Adjustment

1. Start the motorcycle and warm up the engine and clutch.
2. Turn the adjuster all the way out.
3. Turn the adjuster in until it’s easy to shift into neutral with the clutch lever pulled to the handlebar.
4. If the bike tends to stall when riding, consider turning up the idle, or turning the adjuster in a couple clicks.



Final Checks

After installation, ride the motorcycle in a safe area to become familiar with the new clutch performance. If any issues are experienced contact Motovictus at support@motovictus.com