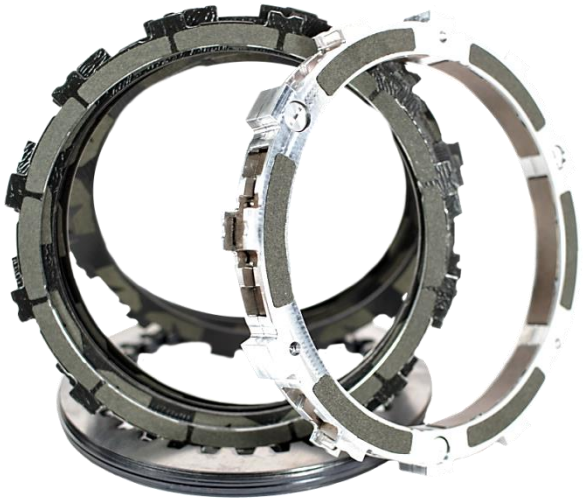
REKLUSE RADIUSX

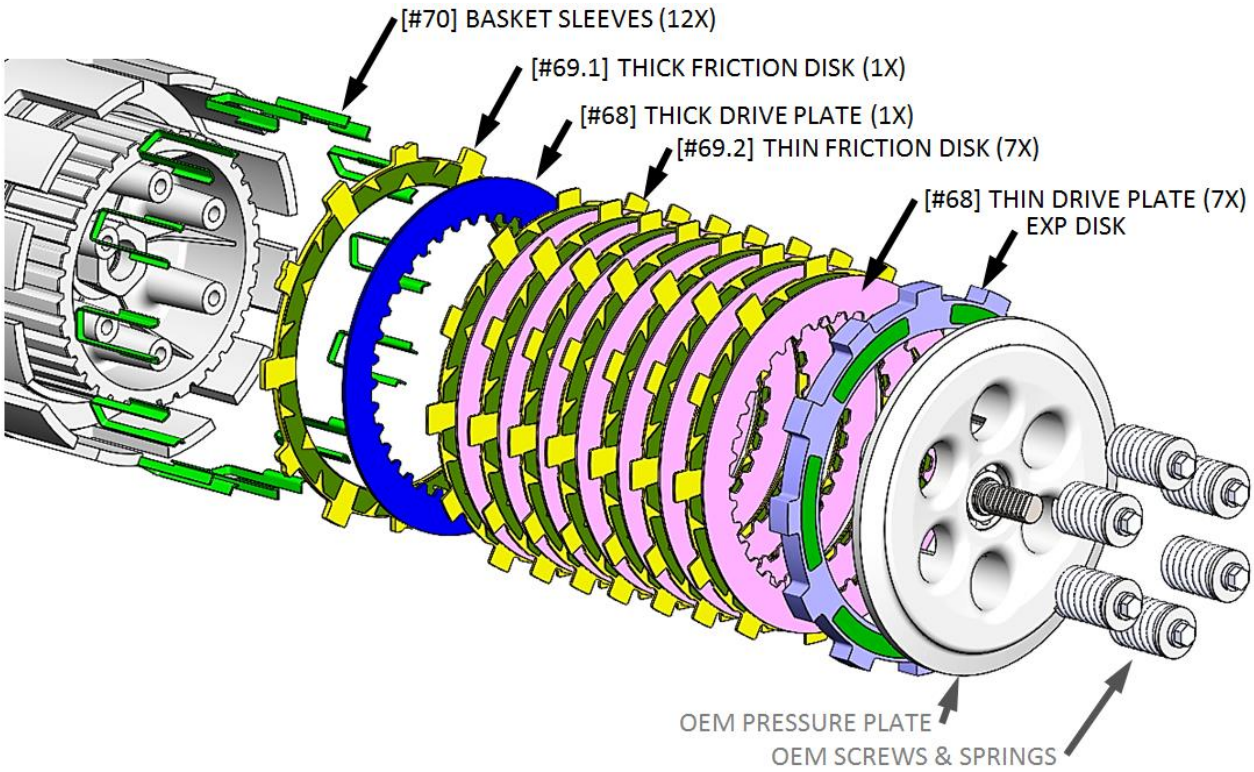
for Indian Scout

Tech Sheet



What It Is

The Rekluse **RadiusX** for Indian Scout motorcycles is a high-performance auto-clutch system that combines two proven Rekluse technologies: the ***EXP*** centrifugal engagement device and ***TorqDrive*** friction disks. The result is a more enjoyable riding experience by gaining smooth, throttle-controlled clutch engagement and improved low-speed maneuverability without sacrificing any performance.



Major Benefits:

- Enables a more enjoyable ride by removing the need to think about clutching
- Makes stop-and-go traffic easier and more fun to ride in, and saves the clutch from excessive heat and wear
- Available torque capacity is increased by ~**10%** over the stock clutch
- Installs easily, replacing only the stock clutch pack (clutch disks)
- Does ***not*** require modification to any of the OE bike parts

The auto-functionality fully disengages the clutch at idle RPM, allowing a rider to come to a complete stop in gear and then accelerate without touching the clutch lever. The manual action of the clutch lever remains unchanged, which means it is still fully functional at all times for shifting, taking off, or any other traditional function if desired.

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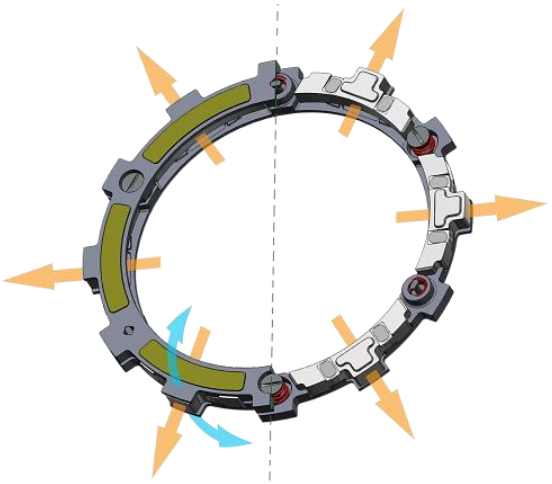
How It Works

An auto-clutch automatically engages the clutch using centrifugal force. This allows a rider to start and stop without using the clutch lever. The automatic feed is fully adjustable to suit every rider's needs while retaining full manual override with the clutch lever. This automatic functionality delivers easier on/off throttle transitions, improved traction, consistent control, and inspires confidence, allowing a rider to focus on the road ahead instead of mechanics.



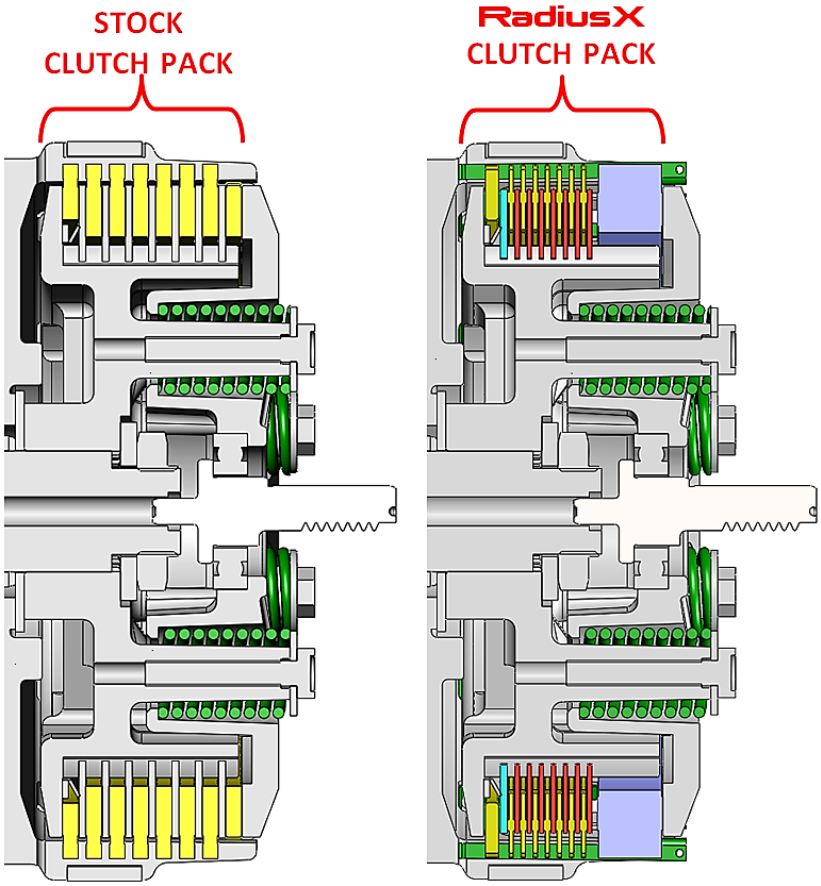
Auto-Function

Engagement: At idle, the clutch is disengaged. As the rider starts to twist the throttle and increase the engine RPM, small wedge weights in the EXP disk slide outward radially on ramps which expands the EXP disk axially (in the direction of the clutch plates) to compress the clutch pack, engaging the clutch. This engagement happens rapidly enough to take off quickly, but smoothly enough to mimic the perfect feeding-out of a traditional manual clutch lever. Through the mid-to-high RPM range, the clutch is fully engaged.

RPM Increases > Wedges Slide Out > EXP Disk Expands > Clutch Engages

Disengagement: When the engine returns to idle, the wedges retract which contracts the EXP disk to disengage the clutch.

RPM Decreases to Idle > Wedges Retract > EXP Disk Contracts > Clutch Disengages



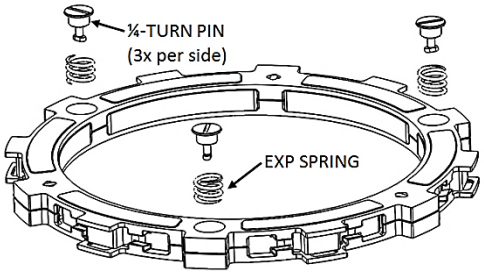
Clutch Pack

RadiusX employs Rekluse's **TorqDrive** clutch pack technology, which utilizes thinner friction disks to fit more clutch disks than stock in the same space.

This clutch system utilizes a clutch pack comprised of 9 friction disks instead of the 8 OE disks. The extra friction surfaces provide up to a **10%** increase in overall torque capacity without increasing the spring force or the clutch lever pull effort.

The extra friction surfaces improve the "snap" or "drive" of the bike and complement other improvements to high-output engines.

Stainless steel sleeves line the tang slots of the baskets to protect them from the thin edges of the Rekluse friction disks and provide decreased friction for a more consistent clutch lever feel over time.



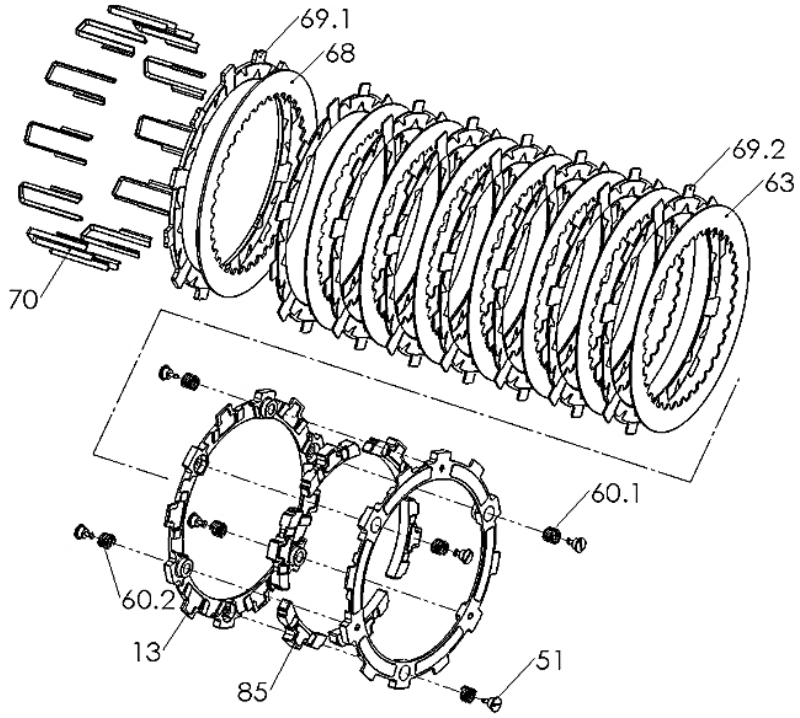
Engagement Settings

The **EXP** disk can be tuned for optimal engagement and disengagement RPM by changing the 6 small coil springs within the disk itself. These springs produce the force that retracts the wedges. The recommended springs come preassembled in the disk, while additional springs for tuning are included in the box.

Engine Braking

This product is NOT a slipper clutch. With the Rekluse **EXP** clutch, engine braking is retained for the optimal riding experience. The auto-clutch **WILL NOT** remove the bike's ability to engine-brake. The EXP disk can be tuned to a desired level of engine braking within its limits.

Included Parts



Item	Description	Qty.
13	EXP Base (Disk Half)	2
51	¼-Turn Pin	6
60.1&2	EXP Adjustment Spring *(extra included)*	6
63	Steel Drive Plate – Thin	7
68	Steel Drive Plate – Thick	1
69.1	TorqDrive Friction disk – Thick	1
69.2	TorqDrive Friction disk – Thin	7
70	Basket Lining Sleeve	12
85	Wedge Weight	6