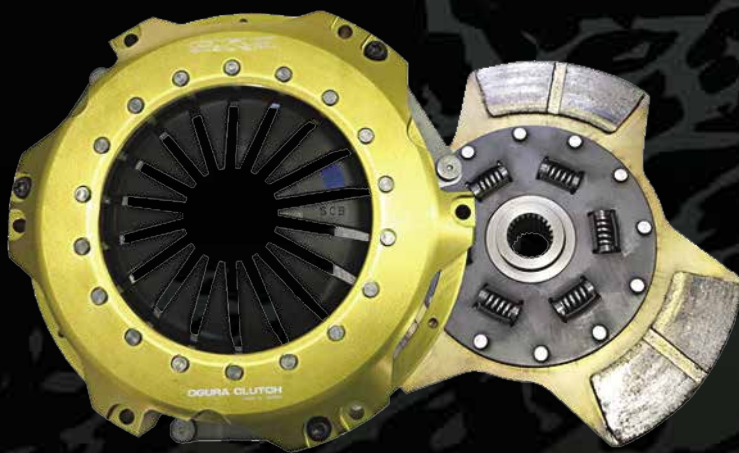




ORC N1 Clutch Series

The N1 Clutch is a high-performance racing clutch designed specifically to comply with JAF N1 regulations. Engineered for the demands of competitive racing, it delivers superior torque transmission, durability, and responsiveness. Whether for circuit driving or intense competition, the N1 Clutch offers precise control and reliable performance, ensuring drivers stay ahead in the race while meeting strict regulatory standards.



Quick Shift Feeling:

The N1 Clutch Series uses an exclusive lightweight metal clutch disc.

By using a three-part metal material construction, the inertia of the disc is reduced and a racing feel is achieved when shifting. Metal with high friction material is used to ensure reliable torque transmission, while losses during shift changes are minimized.



ORC N1 Clutch Series



86/BRZ (ZN6/ZC6)

	ORC-040-TT1213	86/BRZ early model stock clutch
Weight excluding flywheel	12.6 lb (5.7 kg), 92% vs stock	13.2 lb (6.0 kg)
Moment of inertia ratio >>> Clutch cover	78% vs stock	100%
Moment of inertia ratio >>> Clutch disc	74% vs stock	100%
Crimping force	1,411 lbf (640 kgf), 142% vs stock	992 lbf (450 kgf)
Pedal force	27.6 lbf (12.5 kgf), 120% vs stock	22.9 lbf (10.4 kgf)

GT Yaris

	ORC-040-TT1818-SE-10	GR Yaris stock clutch
Weight excluding flywheel	13.7 lb (6.2 kg), 94% vs stock	16.3 lb (7.4 kg)
Moment of inertia ratio >>> Clutch cover	105% vs stock	100%
Moment of inertia ratio >>> Clutch disc	95%	100%
Crimping force	2,205 lbf (1,000 kgf), 111% vs stock	1,984 lbf (900 kgf)
Pedal force	34.6 lbf (15.7 kgf), 124% vs stock	28.0 lbf (12.7 kgf)

The N1 Clutch provides a direct clutch feeling with a forged aluminum clutch cover that is both highly rigid and light weight. By adopting a lightweight aluminum cover for 86/BRZ, the inertia that affects the engine speed is reduced, and the engine response is improved.

86/GR86/BRZ (ZNB/ZDB compatibility confirmed)

	Model	Comments
Clutch set	ORC-040-TT1213	This is a set of clutch disc (ORC-020-TT1213). *Special clutch cover bolt included.
Clutch cover	ORC-030-TT1213	Used with special clutch disc. *Special clutch cover bolt included. *Stock clutch disc cannot be used.
Clutch disc	ORC-020-TT1213	*Stock clutch cover cannot be used.

GR Yaris

	Model	Comments
Clutch set	ORC-040-TT1818-SE-10	Clutch cover (ORC-030-TT1818-SE-10) and for a set of clutch disc. (ORC-020-TT1818-SE-10) *Special clutch cover bolt included
Clutch cover	ORC-030-TT1818-SE-10	Used with special clutch disc (ORC-020-TT1818-SE-10) *Special clutch cover bolt included. *Stock clutch disc cannot be used.
Clutch disc	ORC-020-TT1818-SE-10	Used with special clutch cover (ORC-030-TT1818-SE-10) *Stock clutch cover cannot be used. *Please prepare a stock release bearing.

Due to the nature of the product, the ORC clutch is designed to be "lightweight and have low inertia", so compared to stock products, the rattling noise of the transmission standby gear is more likely to be transmitted in some cases.

The noise is caused by the internal structure of the transmission, and there is no problem with the quality or performance of the clutch.



100 Randolph Road • Somerset, NJ 08875-5790 • Tel: (732) 271-7361

www.oguraracingclutch.com

