

nismo News Flash!

“SUPER COPPERMIX TWIN” for Fairlady Z (Z33 VQ35HR / Z34) now available



Nissan Motorsports International Co., Ltd. (Head office at Minami-Oi Shinagawa-ku, Tokyo; President: Shoichi Miyatani, "NISMO") launches "SUPER COPPERMIX TWIN" for the Nissan Fairlady Z (Z33 VQ35HR / Z34).

[Features of SUPER COPPERMIX TWIN for Fairlady Z (Z33 VQ35HR / Z34)]

- Allowable dynamic friction torque measured at 77.8 kgfm (static friction: 101 kgfm) / Can handle an estimated power of 430 ps
 - * Numerical values are NISMO measurement values standardized using a push-type clutch combined with an VQ37VHR engine. Evaluations were based on street and circuit driving. (No quarter-mile evaluation was made.)
- Center hub

Using a center hub increases the engagement surface between the clutch disc and the serrated section of the transmission's input shaft. This lowers the overall pressure on individual splines. It reduces wear to the input shaft and prevents disengagement problems. Having a center hub also makes installation easier than for single clutches by eliminating the risk of damaging the splines or misaligning the 2 discs during clutch assembly.
- Lightweight Flywheel

The ideal weight for maximum torque was attained by using a lightweight flywheel manufactured from specially crafted chrome-molybdenum high carbon steel.
- Aluminum cover

An aluminum cover with excellent heat radiation was fabricated specially to fit the new lightweight chrome-molybdenum flywheel.
- Center plate with special dual role strap functionality

The center plate is equipped with a strap function^{*1} that also prevents any problems with disengagement.

*1 This mechanism leverages the reaction force accumulated by the strap plate to cause the pressure plate to constantly move away from the disc. It is employed as a standard part in manual transmissions and is installed in all production vehicles.

■ Pedal pressure information

	Cover pressure	Pedal pressure
SUPER COPPERMIX TWIN for Z33 VQ35HR / Z34	800kgfm	13kgf
Genuine parts	-	10kgf

* Pedal pressures values are NISMO measurement values. The actual pedal force experienced will vary by driver, and vehicle.

[Kit Contents]

Aluminum clutch cover

Two COPPERMIX clutch discs

Aluminum center plate

Center hub

Lightweight flywheel

Release bearing (genuine Nissan part)

Flywheel bolts

Sticker

■ Price List (1 year warranty (only in Japan))

Vehicle	Model	Engine	Part Number	Price with tax	Price	Allowable torque N·m (kgfm)		Allowable output kW (ps)	Clutch cover		Weight	
						Kinetic friction	Static friction		Pressure N (kgf)	Type	SUPER COPPERMIX TWIN	Genuine part
Fairlady Z	Z33	VQ35HR *1	3002A-RSZ40	241,500	230,000	762	990	320 (430)	7840 (800)	PUSH	17.94	21.02
	Z34	VQ37VHR				(77.8)	(101)					

*1 Include Fairlady Z Version NISMO Type 380RS

*Figures in chart are NISMO design values.

[Product Warnings]

- The sport clutch discs and light weight flywheels, which are designed and manufactured to increase capacity for higher output and to improve clutch response, may cause the transmission or bearings to make a rumbling noise which is not present when using the original Nissan production parts. Such noise is particularly likely to occur when idling or when accelerating and decelerating at around 2000 rpm. Please be aware that this rumbling has no effect on quality or performance.
- To improve the operation of this clutch, please refrain from excessive half-clutch operation (although the clutch does have good half-clutch characteristics).

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