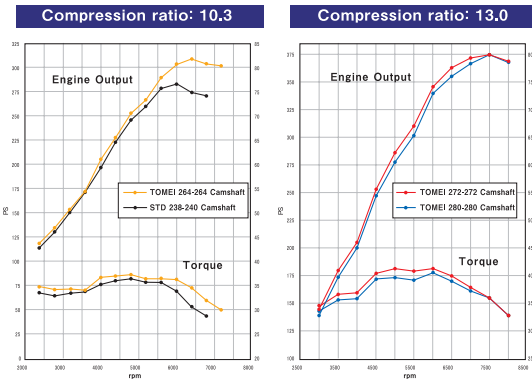




NEW
RELEASE
INFORMATION
Vol.87

CAMSHAFT for VQ35DE

VQ35DE PROCAMS



Our latest VQ35 272° & 280° Cams are now available!!

After extensive testing in search of the fastest VQ engine we have finally found the most suitable cam profile. If these camshafts are used in conjunction with other upgrades, it is possible to increase your engines power output. These are an absolute must for all professional tuners who are in search for the ultimate VQ engine performance.

This chart shows the possible IN & EX combinations. ※Not compatible with engines that are equipped with eVTC on the exhaust side.

Engine Type	Duration	Maximum Cam Lift (mm)	IN/EX	Maximum Valve Lift (mm)	Valve clearance when cold (mm) [±0.01]	Valve timing Initial setting Value Center Angle (°)	Base Circle	Part No.	MSRP (USD)	Notes
VQ35DE	256	10.20	IN	9.90	0.30	125	φ 35.4	142015	\$710.00 (For a pair)	Compatible with Normal compression ratio
			EX	9.87	0.33	112		142016		
	IN	10.20	0.30	125	142017					
	EX	10.17	0.33	112	142018					
	264	10.50	IN	10.20	0.30	125		142029	\$710.00 (For a pair)	Compatible with high compression ratio
			EX	10.17	0.33	112		142030		
	272	11.30	IN	11.00	0.30	125		142025		
			EX	10.67	0.33	112		142026		
	280	11.00	IN	11.00	0.30	125		142027		
			EX	10.67	0.33	112		142028		

⚠ Upgrading your Valve Springs is required when using Camshafts with lift greater than 11.0mm* (Ref. below) ⚠ There is a chance that the piston and the valves can come into contact when running camshafts with cam lift greater than 11.3mm (or with the eVTC advance angles). Please ensure that there is adequate clearance and no contact is made upon installation as you may require valve recession. Example; when using the Standard head, pistons & eVTC with the standard advance angle, 1mm valve recession is required. Valve recession is available optionally at TOMEI

Set Package Price for one vehicle

MSRP : \$1,420.00 (USD)

Compatible cars	Engine	Notes
Z33 Fairlady Z/ 350Z	VQ35DE	Not compatible with cars equipped with variable valve timing on the exhaust side
V35 Skyline 4 Dr/ 2 Dr		

E Square - TOMEI Z33 Engine Spec.

System	Part	Name	Notes
Cylinder Head System	Cylinder Head	NISMO High pressure Cylinder Head SPEC-1	Comes, ratio 13.0
	Cylinder Head Port	TOMEI Special Porting	
	Cyl. Head Combustion Chamber	TOMEI Spec Combustion chamber + Capacity Modification	
	Valve Guide	NISMO Titanium Valve System	
	Valve Seat Ring	Standard	
	Inlet Camshaft	TOMEI PROCAM	280° 11.3mm
	Exhaust Camshaft	TOMEI PROCAM	272° 11.0mm
	Cam Pulley	Standard	55deg
	Valve Spring	TOMEI oval wire rod high lift compatible type	
	Head Gasket	NISMO Strengthened Head Gasket	φ 96.5 t=6.7mm
Cylinder Block System	Cylinder Block	Standard	
	Piston	NISMO Forged Prototype	φ 95.5
	Connecting Rod	TOMEI Forged H-BEAM	
	Connecting Rod Bearings	NISMO Strengthened Engine Bearings	
Oil Lubrication System	Crankshaft	Standard	
	Crank Metal	NISMO Strengthened Engine Bearings	
	Oil Pump	NISMO Strengthened Oil Pump	
	Oil Pan	ARC Large Capacity Oil Pan (Sumo)	
	Baffle	TOMEI Prototype Baffle Plate	
Exhaust System	Muffler	ARC Super Titanium Silencer	φ 60x2
	Exhaust Manifold	Z33 Full Dual	
Air System	Air Cleaner	TOMEI EXPENSE Full Spec.	
	Throttle	NISMO Sports Air Filter	
Fuel System	Intake Pipe	Standard	φ 90
	Fuel Pump	NISMO High Flow Fuel Pump	16SL/h
	Fuel Injectors	NISSAN Genuine for RB25DET	370cc
Coolant System	Oil Cooler	ARC Super Engine Oil Cooler	6 steps core length 600mm
	Radiator	ARC Super Micro-Conditioner SMC36 Pre-stage R	36mm Width
Control System	Computer	TOMEI ECU	
Ignition System	Plug	DENSO Iridium power IZH22	No.7 type

VALVE SPRING

Camshaft Related Parts



Engine Model	Lift	Part No.	MSRP (USD)	Notes
VQ35DE	~11.0mm	163037	\$420.00 (USD)	•Oval Wire Rod Material •High Cam Lift Compatible

Specs.

Size	Set Length	Lift Length	Suited Length	Set Load (kgf)	Lift Load (kgf)	RPM (Ref.)	Material
Height 3.0 X Width 3.75	37.0mm	26.0mm	11.50	24.0±6%	56.8±6%	8000	SWOSC-VT

Upgrading the valve springs is required when using the NISMO head.

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