



**NEW  
RELEASE  
INFORMATION  
Vol.53**

# RB28 KIT for RB25DET

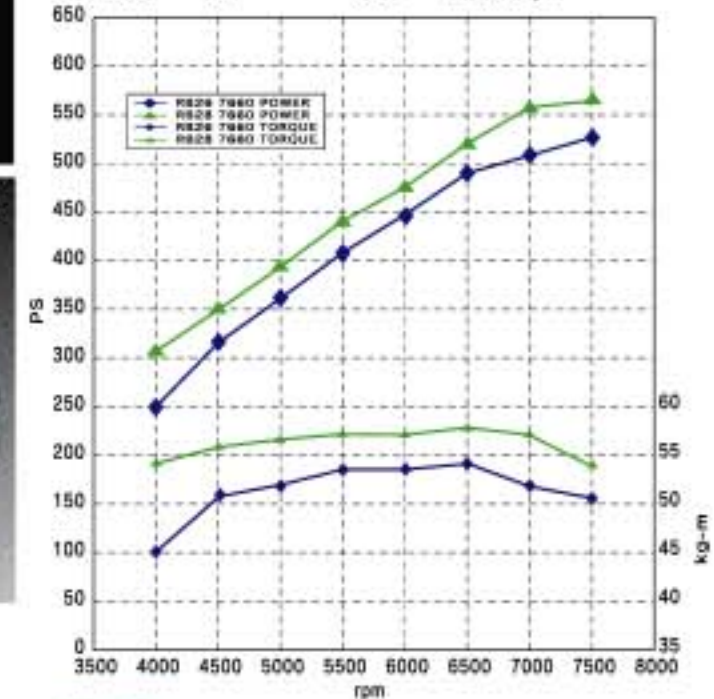
RB28KIT FOR RB25DET

**RB25 → RB28  
Stroke Up!!**



**ENGINE TEST**

ENGINE TYPE RB26DET PURPOSE Compare Displacement  
TEST DATE 2004.08 Compare Turbo charger  
BOOST 1.3K SPEC RB28 Stroke up kit

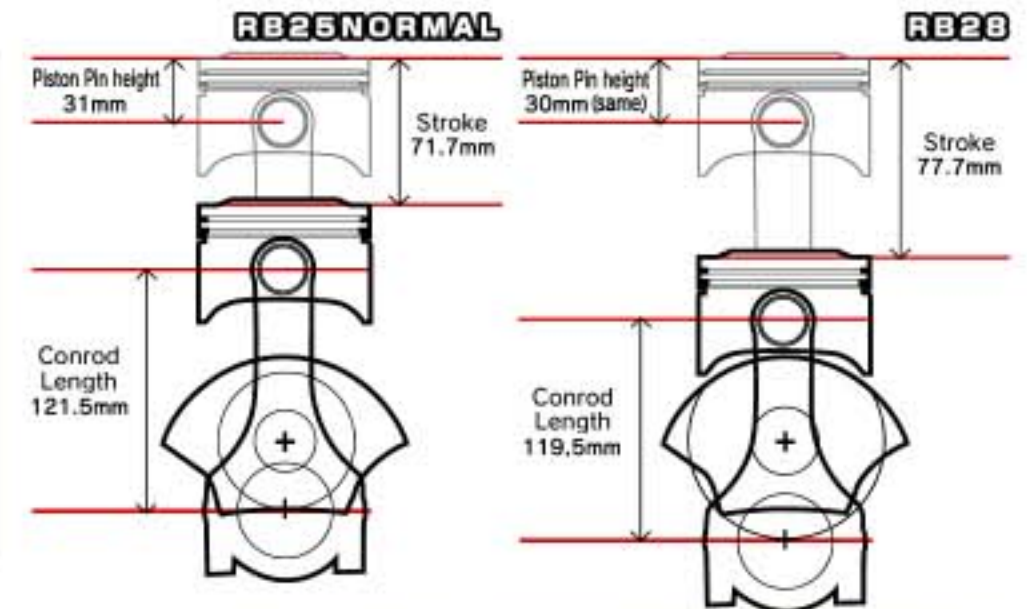


## BIG TORQUE & POWER RB25 → RB28

Although RB28KIT which is developed for RB26, we have also been checked for using RB25. Cylinder block height of RB25 and RB26 is calculated the displacement difference with same size in the amount of strokes of crankshaft. The size of main journal is also the same and it is possible to install crankshaft for RB26 into the cylinder block of RB25. Though we have introduced RB25 to RB26 spec. so far, we would like to propose RB25 to RB28 spec. at the time of sale of RB28KIT lately. By being RB28, as displacement increases more sharply than standard, the effect is quite huge. This is our proposal of various tuning plans which used RB28KIT, such as ECR33-RB28 spec., A31, HCR32, C33 to RB20 to RB25 switch to RB28 specification. On drift scene, the big torque will exceed with rival vehicle, and it will also transcend GT-R at time attack or drag racing.

**■ Specification**

structure	type	engine	bore	stroke	displacement	block height	pin height	conrod length	gasket thickness	volume of combustion chamber	volume of piston crown
Skyline GT-R	BNR32	RB26DET	86.0mm	73.7mm	2568cc	188.35mm	30mm	121.5mm	1.2mm	64.5cc	-14.7cc
	BCNR33				2568cc						
	BNR34				2568cc						
Skyline TYPE M	ECR33	RB25DET	86.0mm	71.7mm	2498cc	188.35mm	31mm	1.2mm	62.8cc	-15.1cc	
Stagea	WGNC34				2498cc						
Laurel	C34				2498cc						
Skyline GT-T reference	ER34	"RB25DET"	86.5mm	77.7mm	2498cc	188.35mm	30mm	1.2mm	53.2cc	-8cc	
Laurel reference	C35	NEO reference			2498cc						
					2498cc						
TOMEI RB28			86.5mm	77.7mm	2738cc		30mm	119.5mm		*no recession -13cc	
			87.0mm		2770cc					recession -11.2cc	
			87.5mm		2802cc						



**■ Compression Ratio**

engine type	valve recess	crown volume	piston bore size	compression ratio					GK bore
				1mm	1.2mm	1.5mm	1.8mm	2.0mm	
RB26DET	X	-13.0cc	86.5mm	8.95	8.78	8.55	8.34	87mm	
			87mm	9.02	8.85	8.62	8.39		
	O	-11.2cc	87.5mm	9.11	8.94	8.7	8.48		
			86.5mm	8.7	8.55	8.34	8.13		
RB25DET	X	-13.0cc	86.5mm	9.17	8.99	8.75	8.51	8.37	87mm
			87mm	9.26	9.09	8.84	8.6	8.45	88mm
			87.5mm	9.36	9.18	8.93	8.69	8.54	87mm
	O	-11.2cc	86.5mm	8.93	8.77	8.54	8.33	8.19	87mm
			87mm	9	8.84	8.6	8.38	8.24	88mm
			87.5mm	9.1	8.93	8.69	8.47	8.32	88mm
RB25DET(NEO)	X	-13.0cc	87mm	10.98	10.72	10.36	10.03	9.82	88mm

**FULL KIT**

- Kit contents .....
- Forged 8 counter crankshaft
- Forged piston kit
- Forged H-beam conrod
- Oil jet spacer



Forged Kit		"Cooling channel" Forged Kit		
piston size	part no.	price	part no.	price
86.5mm	221022	520,000 yen	221025	620,000 yen
87mm	221023		221026	
87.5mm	221024		221027	

※ Titanium coated top ring is + 30,000 yen

Give us an order when the recession is needed. It's no charge. Part No. 32109050  
※ If the valve lifts more than 10.8mm, there might be needed for recession.

**Proposal From TOMEI**

**RB25 → RB28**

For Example .....

RB25 engine vehicle such as ECR33/WGNC34 is possible to load RB28KIT.

**RB20 → switch RB25 to RB28**

For Example .....

Vehicle which is switched into RB25 now from RB20 such as A31/R32/C33 → Possible to load RB28KIT

**Now On Sale!! RB25DET 2.0mm HEAD GASKET**

Matching : RB25DET(NEO engine is possible)  
ECR33, ER34, C34, C35, WGNC34

Piston bore : φ86~φ87.5  
Size : bore φ88 thickness 2.0mm

**Price : 28,000 yen**      Part No. : 1312880201

**TOMEI POWERED INC.**