

## CAPACITY UP GRADE KIT for 2JZ 3.4L

June, 2015

Capacity Upgrade Kit for the 2JZ-GTE engine which got so much attention from all over the world is available again in a limited quantity! This kit was developed with drag racing in mind. HKS 2JZ-GTE 3.4L Kit makes approximately 1000ps power levels possible. High quality "MADE IN JAPAN" lives up to our customers' demands.

This kit is recommended to those who want to tune to the highest levels including engine internals.

**1015(ps)-110(kgf·m) ! !**

※In-house test result. Maximum engine RPM – Approx. 7500rpm

Reproduce!!  
Limited in Quantity!!

### ■FEATURES

#### POINT① PISTON KIT

- Carefully selected specially forged raw materials used.
- HKS original Ni plated and molybdenum coated pistons are included.
- Ni plating treatment was done on the top side and top land groove which enhances durability against knock, high combustion pressure and protects top land groove from deforming.
- Ti coated top ring improves its frictional properties and scuffing resistance characteristic.

#### POINT② CONNECTING ROD

- Highly strength H-beam design. The engine capacity is increased by increased stroke and torque at low-mid speed range is improved.
- Compatible with standard stroke

#### POINT③ CRANKSHAFT STROKE 94.0mm

- HKS special forged material made high strength crankshaft.
- Long stroke and lightweight counterweighted crankshaft was designed to improve the engine response.

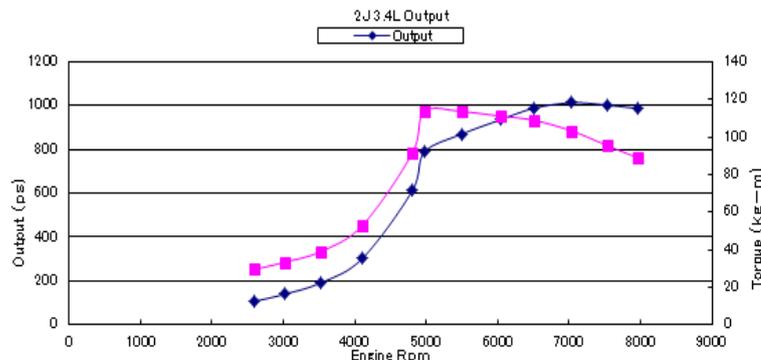
#### POINT④ ADDITIONAL MODIFICATION

- 1mm over sized pistons requires cylinder bore and honing.
  - Recess modification inside the engine block is not required.
- ※ Recess modification may be required depending on the cylinder block's individual difference.

TEST VEHICLE DATA	
Bore / Stroke	φ87×94mm
Displacement	3352.8CC
Comp. Ratio	8.6
PRODUCT	
Head Gasket	t=1.6mm (φ88)
Piston	φ87 Prototype
Crankshaft	St=94mm Prototype
Con'rod	HKS H-beam
Camshaft	IN:272° EX:272° (Both Valve Timing:110°)
Spark Plug	#11 equivalent
Turbine	T51R SPL
Wastegate	GT II Wastegate
Surge Tank	HKS SPL
Throttle	Infinity Q45
Exhaust Manifold	HKS SPL
ECT	F-CON VPRO
A/F	Approx. 12
Fuel	DRAG GAS
Engine Oil	Pro Oil
Intercoler	HKS SPL
Metal Bearing	Stock #4 (Center) Upper metal only for journal.

		Stock	HKS 3.4L	
Piston	Bore dia. mm	86	87	
	Displacement cc	2997.3	3352.8	
	Comp. Ratio	G/K 1.2 mm	8.50	8.80
		G/K 1.6 mm		8.60
		G/K 2.0 mm		8.30
Boring/Horning	-	Required		
Valve Recess	VVT-i	HKS Cam/VVT-1 Valcon		
Con'rod	Big end dia.	55φ	55φ	
	Bolt size	764.2g	598g	
	Remarks	Forged I-beam	Billet H-beam	
Crankshaft	Stroke mm	86.00	94.00	
	Main journal dia.	62	62	
	Material	Vanadium Steel	SCM	
	Remarks	Forged Full-counter	Forged Billet Full-counter	

### ■PERFORMANCE



#### [2JZ 3.4L KIT]

Product	Engine	Capacity	Type	Boring/Horning Modification	Full Flow Modification	Code No.	Price	Remarks
<b>TOYOTA</b>								
2JZ 3.4L KIT	2JZ-GTE	3352.8cc	φ87.0-22	Not Required	Not Required	21004-AT001		Ni Forged Piston Kit + H-beam Con'rod + Billet Crankshaft ※Allowable Engine RPM: 7500rpm/min or less