

V CAMSHAFT

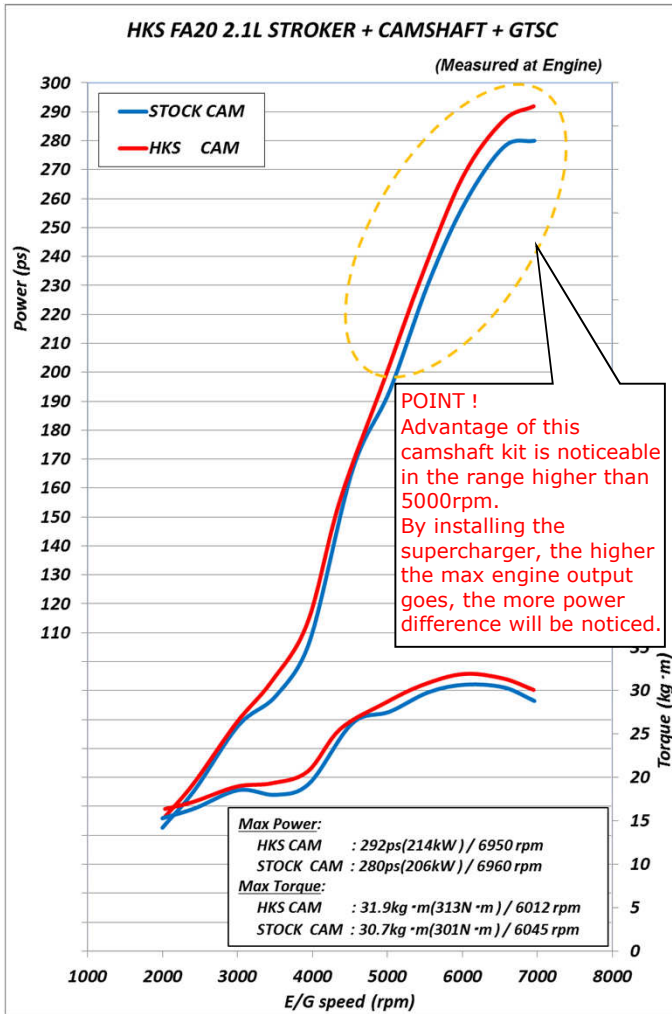
INTAKE & EXHAUST

Camshaft Kit developed by taking advantage of knowledge and experience acquired through D1 drift and time attack at Tsukuba Circuit. Both NA and turbo-charged engine users can use this camshaft set. Overwhelming power increase can be felt in the high rpm range.



Using the capacity upgrade kit together is recommended to achieve optimum performance and keep proper valve clearance.

[PERFORMANCE]



[FEATURES]

- High acceleration and pick-up camshafts were completed by meticulous analysis of the stock rocker structure.
- Cam lobe for the direct injection pump is available so the camshaft can be used the same way as the stock.
- The valve timing is the knock pin is matched to stock cam, so, there is no need for complicated installation.
- Since the stock valve piston clearance is narrow, this camshaft kit was developed to be used with the capacity upgrade kit, and the piston recess was redesigned to enable a 0.7mm lift increase without replacing the springs.

[PRODUCT SPECIFICATIONS]

	STOCK		HKS	
	INTAKE	EXHAUST	INTAKE	EXHAUST
Cam Duration (°)	255	252	260	266
Valve Lift (mm)	11.00	11.00	11.70	11.70
Clearance (mm)	0.13±0.03	0.24±0.03	0.13±0.03	0.24±0.03
Valve Timing				
Most Advanced Angle (°)	82	81	82	81
Most Retarded Angle (°)	150	135	150	135
VVT Variable Angle (°)	68	54	68	54
Spring Replacement	-	-	x	x
Cam Type	Roller Rocker	Roller Rocker	Roller Rocker	Roller Rocker
High Press. Pump Cam Lobe	○	-	○	-

[SPECIFICATIONS FOR TEST]

PARTS	SPECIFICATIONS
Engine	HKS 2.1L KIT
Restrictor	φ41mm
S/C	HKS GTS7040L
I/C	HKS S/C KIT
I/J	HKS Fuel UPGRADE KIT
CPU	HKS Flash Editor + F-con

※Test data were measured in HKS' engine bench.

[KIT PARTS]

- Intake Camshaft Set (1 for each right bank & left bank)
- Exhaust Camshaft Set (1 for each right bank & left bank)

[NOTICE FOR INSTALLATION]

- To keep adequate valve clearance, use HKS' piston together.
- Settings of fuel, ignition, valve timing are required.
- Check if the valve clearance is adequate.
- Refer to the factory service manual for installation.

CAMSHAFT

Product	Engine	INTAKE SIDE			EXHAUST SIDE			Code No.	Price	Remarks
		Duration	Valve Lift	Designed Valve Timing	Duration	Valve Lift	Designed Valve Timing			
TOYOTA/SUBARU										
V CAMSHAFT INTAKE & EXHAUST	FA20	260°	11.7	82°~150°	266°	11.7	81°~135°	22002-AT005		HKS Capacity Upgrade Kit (21004-AT002) is required.