

# NEWS HKS COMMUNIQUE

2015 **3**



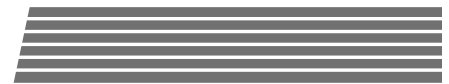
## NEW LINE-UP

- SUPER SQV4 RETURN PLUS
  - DBA-VMG, DBA-VM4 (LEVORG) /
  - DBA-SJG (FORESTER) ..... P1
- EVC6-IR 2.4 ..... P1
- RB26 V CAM SYSTEM BNR34, BCNR33, BNR32 (SKYLINE GT-R) ..... P2
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## INFORMATION

- Product Compatibility for Grace (DAA-GM4, GM5), N-BOX Splash (DBA-JF1, JF2), Legacy B4 (DBA-BN9), Legacy Outback (DBA-BS9), Move (DBA-LA150S, LA160S), and Wake (DBA-LA700S, LA710S) DBA-ZRR80G, ZRR85G, DAA-ZWR80G/3ZR-FAE, 2ZR-FXE 14/10~ ..... P4
- Compatibility of Suspension for Fit RS (DBA-GK5/L15B 13/9~) ..... P4
- Compatibility of Suspension for Fit / Fit Hybrid (DBA-GK5, GK3 DAA-GP5/L15B, L13B, LEB-H1 13/9~) with LED Position Lamps ..... P4
- Compatibility of LA Clutch for WRX STI (CBA-VAB/EJ20 14/8~) ..... P4

# NEW LINE-UP



## SUPER SQV4 RETURN PLUS DBA-VMG,DBA-VM4(LEVORG)/DBA-SJG(FORESTER)



LEVORG



FORESTER

### Features

Installing this product creates unique sharp & high frequency SQV sound. The SQVIV unit is designed to be located beside the engine so the appurtenance of the engine bay is improved.  
 The suction-return parts are included (those are necessary to pass the Japanese Automobile Inspection.).  
 Any engine failure such as engine stall was not occurred during the in-house testing.

Vehicle	Model	Engine	Model Year	Code No.	Remarks
SUBARU LEVORG	DBA-VMG,VM4	FA20(TURBO),FB16(TURBO)	14/06~	71008-AF015	
SUBARU FORESTER	DBA-SJG	FA20(TURBO)	12/11~	71008-AF016	

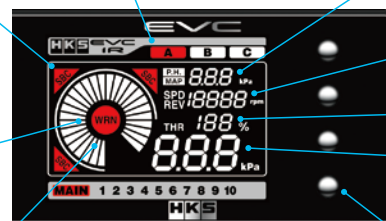
## EVC6-IR 2.4

### Features

- EVC6's LCD full color monitor is upgraded for better visibility with a larger sized monitor. **The monitor size is enlarged to 2.4inch from 2.2 inch. (The case remains in the same size.)**
- Basic performance as a boost controller is the same as EVC6-IR.  
 Correction map grid point: 10×10.  
 Pressure correction range: -180~180.  
 More precise correction is possible for modern smaller sized turbo.
- Monitor Navigation System easily leads the user to the correct setting and logging screens.
- The proven Stepping Motor is utilized as a valve unit.

### DISPLAY

Blinks and buzzes while the scramble function activates.  
 Indicates one of the following:  
 Intake Manifold Pressure, Speed, Engine RPM, and Throttle Opening Angle.  
 Blinks and buzzes with the bar graph when a certain value exceeds the warning value.



Indicates the current boost mode.

Displays the warning value or peak hold value.

Displays the speed or engine RPM.

Displays the throttle opening angle.

Displays the current boost value.

Easy and securely setup are possible by these 4 buttons & monitor navigate system.

### EVC6-IR 2.4 LCD Monitor Size

The monitor size is enlarged to 2.4inch for better visibility.

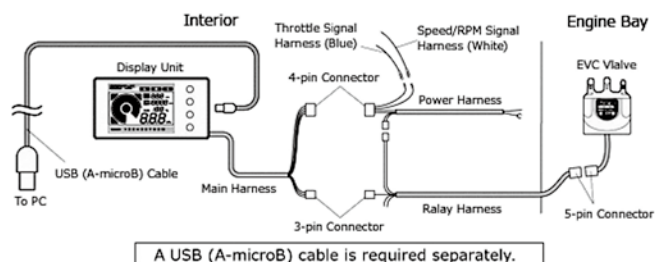


### [Monitor Size]

Upper : EVC6-IR 2.4 (NEW)  
 Lower : EVC6-IR

### Boost Setting Tool "EasyWriter"

This is for boost setting by PC.  
 Use a marketed USB communication cable to connect EVC and PC.



Download the software from HKS' website.  
<http://www.hks-power.co.jp/aftersupport/easywriter/index.html>

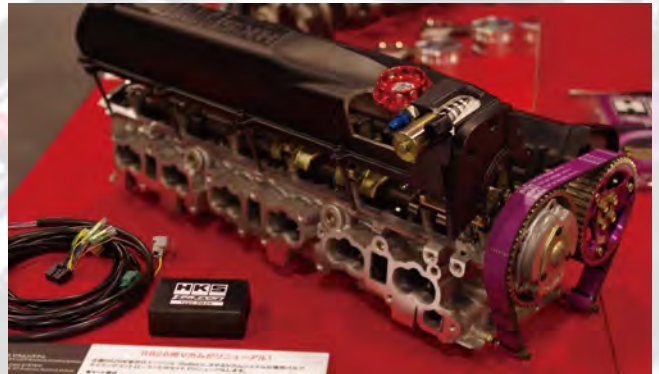
Product	Code No.	Remarks
EVC6-IR 2.4	45003-AK012	



# RB26 V CAM SYSTEM

BNR34,BCNR33,BNR32(SKYLINE GT-R)

Variable Valve Timing System allows the classic RB26 to become a new generation engine. "V CAM SYSTEM" & "VALCON type RB26" are combined as an affordable set!!



## Renewal Details

### ●Change of Control System & Price

- VALCON Type RB26 is designed exclusively for this V CAM SYSTEM.
- Parts specifications and control system were carefully reviewed.
- Available as a package set at more affordable price.

#### Kit Parts

- V Cam Camshaft
- Variable Valve Timing Unit (High Torque capacity vein type / Nickel plated pulley)
- Intake Head Cover )HKS Original cast/Unpainted/Logo Badge Included)
- NEW VALCON Type RB26(Base Map Included) + V CAM Sensor Harness
- Oil Control Valve (Electromagnetic Type)
- Cam Angle Sensor (High Sensitivity Type)
- Oil Line (Engine side oil pressure outlet ~ cam cover)
- Other Short Parts

Required Parts	Exhaust Camshaft	STEP 1 - Recommended : GT-SS/STEP1 256° GT2530/STEP1 264° STEP 2 - Recommended : STEP1 272° STEP Pro - Recommended : STEP2 272° or above
	Valve Spring	STEP 2 - HKS Uprated Valve springs (for increasing maximum RPM, Sold separately) STEP Pro - HKS Uprated Valve springs required (Sold separately)
	Piston	STEP 1 - Stock STEP 2,Pro - HKS Piston for valve↔Piston Clearance
	Oil Pump	HKS Oil Pump recommended
	Head Modification	STEP Pro required some machining to allow for cam lobe movement

#### Precautions for Use

##### [Maximum RPM]

- STEP 1 - 8,000rpm (Stock Rev Limiter)
- STEP 2 - 8,000rpm (With Stock Valve Springs)  
8,500rpm (With HKS Valve springs, Sold separately)
- STEP Pro - 8,800rpm (With HKS Valve springs, Sold separately)

##### [Oil Temperature, Water Temperature]

If oil viscosity is low, oil pressure may not reach adequate levels resulting in valve timing not reaching desired values. Valve timing will not increase when water temperature is under 60°C

##### [Recommended Oil]

SUPER OIL (RB), Racing Pro Oil 10W-50

##### [Timing Belt]

Check every 10,000km for wear and tension. Adjust or replace if necessary.

Vehicle	Model	Engine	Model Year	type	Duration	Valve Lift	Designed Valve Timing	Base radius	Code No.	Remarks
SKYLINE GT-R	BNR34, BCNR33, BNR32	RB26DETT	89/08~02/08	STEP1	IN 248°	8.6mm	90°~120°	φ32	22007-AN017	Maximum variance 30°, compatible with stock pistons (*) cylinder head facing or thin head gasket could cause contact with valve and piston.
				STEP2	IN 264°	8.7mm	75°~125°	φ32	22007-AN018	Variance 50°C HKS Forged Pistons Required.
				STEP Pro	IN 264°	10.0mm	80°~130°	φ31	22007-AN019	Machining hollow camshaft, Variance 50°C, HKS Pistons require.



## Application

Product Compatibility for Grace (DAA-GM4,GM5), N-BOX Splash (DBA-JF1,JF2), Legacy B4 (DBA-BN9), Legacy Outback (DBA-BS9), Move (DBA-LA150S,LA160S), and Wake (DBA-LA700S,LA710S) DBA-ZRR80G, ZRR85G, DAA-ZWR80G/3ZR-FAE,2ZR-FXE 14/10~

Compatibility of the following products for Grace (DAA-GM4,GM5), N-BOX Splash (DBA-JF1,JF2), Legacy B4 (DBA-BN9), Legacy Outback (DBA-BS9), Move (DBA-LA150S,LA160S), and Wake (DBA-LA700S,LA710S) DBA-ZRR80G, ZRR85G, DAA-ZWR80G/3ZR-FAE,2ZR-FXE 14/10~) has been confirmed.

Vehicle	Classification	Model	Engine	Model Year	UPER HYBRID FILTER	SPARK PLUG	HYBRID SPORTS OIL FILTER	Remarks
GRACE	DAA-	GM4,GM5	LEB-H1	14/12~	70017-AH016	M-HL	52009-AK001 (Φ68-M20)	
N-BOX SPLASH	DBA-	JF1,JF2	S07A (TURBO)	14/12~	70017-AH015	M-HL	52009-AK001 (Φ68-M20)	
	DBA-	JF1,JF2	S07A (NA)	14/12~	N/A	M-HL	52009-AK001 (Φ68-M20)	
LEGACY B4	DBA-	BN9	FB25	14/10~	70017-AF001	M-HL	52009-AK001 (Φ68-M20)	
LEGACY OUTBACK	DBA-	BS9	FB25	14/10~	70017-AF001	M-HL	52009-AK001 (Φ68-M20)	
WAKE	DBA-	LA700S,LA710S	KF (TURBO)	14/11~	70017-AD003	M-XL	52009-AK002 (Φ68-UNF3/4-16)	
	DBA-	LA700S,LA710S	KF (NA)	14/11~	N/A	M-XL	52009-AK002 (Φ68-UNF3/4-16)	
MOVE	DBA-	LA150S,LA160S	KF (TURBO)	14/12~	70017-AD003	M-XL	52009-AK002 (Φ68-UNF3/4-16)	
	DBA-	LA150S,LA160S	KF (NA)	14/12~	N/A	M-XL	52009-AK002 (Φ68-UNF3/4-16)	

## Compatibility of Suspension for Fit RS (DBA-GK5/L15B 13/9~)

Compatibility of S-style C (80110-AH121) for Fit RS (DBA-GK5/L15B 13/9~) has been confirmed.  
Adjustment of the spring set length and spring seat position are required before installation.

Vehicle	Model	Engine	Model Year	Spring Rate F/R N/mm (kgf/mm)	Vehicle Height (Upper Limit - Lower Limit)		Code No.	Remarks
					Front	Rear		
FIT	GK5	L15B	13/09~	F=29(3)/R=20(2)	-24(0 ~ -67)	-38(-7 ~ -72)	80110-AH121	

## Compatibility of Suspension for Fit / Fit Hybrid (DBA-GK5,GK3 DAA-GP5/L15B,L13B,LEB-H1 13/9~) with LED Position Lamps

Compatibility of S-style C (80110-AH121) for Fit / Fit Hybrid (DBA-GK5,GK3 DAA-GP5/L15B,L13B,LEB-H1 13/9~) with LED Position Lamps has been confirmed.

## Compatibility of LA Clutch for WRX STI (CBA-VAB/EJ20 14/8~)

Compatibility of LA Clutch Single (26010-AF001 & LA Clutch Twin (26011-AF001) for WRX STI (CBA-VAB/EJ20 14/8~) has been confirmed.

Vehicle	Model	Engine	Model Year	Type	Tread Force(N)	F/W Weight (kg)	Code No.	Remarks
WRX-STI	VAB	EJ20(TURBO)	14/08~	Single	132	6.3	26010-AF001	
				Twin	142	5.8	26011-AF001	

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## [2015 HKS PREMIUM DAY in FSW] REPORT



HKS participated in Tokyo Auto Salon after a three-year absence. Also, we held HKS Premium Day to provide a place and opportunity to feel and experience the products displayed in Tokyo Auto Salon.

It lightly snowed on the day before the day of the event, but, the weather turned out to be very nice and warm, which was perfect for the event. All contents of exhibitions and displays could be progressed as scheduled. This event could not succeed without your support and cooperation. We do appreciate for expressing your opinions to us and highly value your input.

The number of visitors this year is shown below.

Again, we appreciate for your visit to HKS Premium Day in FSW.

2015 HKS PREMIUM DAY in FSW  
Executive Committee

VISITORS	5,282 (5,335)	EXHIBITING COMPANIES	46 (46)
OPTION FSW FUPER LAP ENTRY	45 (45)		
HKS CUSTOMIZED CAR CURNICAL ENTRY	138 (127)		
TRACK EVNET / HIPER CHALLENGE ENTRY	109 (148)		

( ) Last year number



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The applications were confirmed by January 2015.

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- HKS will not be responsible for any damage caused by improper installation and/or installing to other inapplicable vehicles.
- The product may not be compatible with vehicles even the model and/or engine type are the same as shown in the application chart.
- Data shown in this publication are based on the in-house data prepared under certain conditions.