

Instruction Manual

Prior to installation and use, thoroughly read the instruction manual. Retain this instruction manual for later reference.



Pursuing the Ultimate in Engine Performance and Efficiency.
 HKS Company Limited.

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Introduction

“OB-LINK TYPE-FA20” is for only FA20 engine vehicle. It will have data of OB-LINK TYPE-001 and data of “OB-LINK TYPE-FA20” ; Battery volt, Outside air temp, Right and Left G, Back and Forth G, Yawrate, Engine load, Fuel pressure, atalyst temp, Exhaust temp, Target air-fuel ratio, Actual air-fuel ratio, Knock learning correction and Knock control value.

By installing the Android or iOS CarscopeFA20, it will display the data from the OB-LINK TYPE-FA20.

OB-LINK TYPE-FA20 has a log function.

By setting the log function with “OBLink LogManager” , OB-LINK TYPE-FA20 will store the log data and display with “OBLink LogManager” .

Product Name	OB-LINK TYPE-FA20
Purpose	Wireless (Bluetooth) Vehicle Data Transmission Device
Product Code	44009-AK003

- This manual indicates items you need to pay attention to in order to install this product safely and lists precautions to avoid any possible damage and/or accidents.
- HKS will not be responsible for any damage caused by incorrect use or use after modification and/or dismantling of this product.
- This product was designed for installation and use on a factory vehicle or a vehicle using other HKS products. The performance and/or safety cannot be guaranteed if this product is installed onto other vehicles than mentioned above.

- This product is applicable for any vehicle that operates on a DC12V negative ground.
- The specifications of this product, including installation are subject to change without prior notice.

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Safety Precautions

Below are symbols used in this manual to highlight areas where.

Warning

-Risk of severe injury or death may result if warning is not acknowledged or followed.

Caution

-Risk of injury to self, damage to vehicle or property may result if caution is not taken.

Warning

- Make sure to work on the vehilce in a well-ventilated area to prevent possible explosion or fire.
Do not mount the unit where it can distract driving.
- Do not install this product on a 24V vehicle. It is designed for use on a 12V vehicle.
- Make sure to hold connectors when removing them to avoid possible damage to other electronic parts caused by disconnections or by a short circuit.
Stop using the product if any unusual conditions are oticed; it may cause a fire or an electrical shock. Consult an authorized dealer immediately.


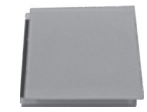

Caution

- Do not modify, disassemble and/or remodel this product and any of its attached parts.
- Handle the parts with caution at all times.
- Avoid allowing oil and/or water from entering the unit. It may cause damage to the engine.
- Make sure all connections and wiring are not disconnected, short circuited, or incorrect. If so, it may cause an electric shock, burn out, or damage to the vehicle.
- If the product or the vehicle with the product does not perform properly, consult the dealer immediately.

- Daily check-up of the vehicle must be done by the owner.

Parts List

Make sure that all of the parts listed in the Parts List are included in the kit.

		
1 OB-LINK TYPE-FA20	2 loop tape	3 Instruction Manual

Installation

1. Locate OBD II port

Locate the OBD II port plug on the vehicle. Details can be found from the following website address:

<http://www.hks-power.co.jp/en/product/electronics/monitor/ob-link/index.html>



2. Application Install

- ① Installation of “Carscope FA20”
 * For Android : Install “ OB-BRIDGE ” & “ Carscope FA20 ”
 * For iOS: Install “ Carscope FA20 ”
- ② Installation of “OBLink LogManager※”
 ※ It is required to use the log function of OB-LINK TYPE-001. (June, 2014 release)

Please search the application from a store or download it from the section 1.

3. Bluetooth Setting (Pairing)

- ① Switch on the Bluetooth of the device to be paired.
- ② Connect the OB-LINK TYPE-FA20 to the OBD II port found in section 1.
- ③ Please start the engine, or you turn "ON" a key switch.
- ④ Pair the devices using Bluetooth passkey “7181”
 ※ Please refer to your device instruction on how to pair to the OB-LINK TYPE-FA20

4. Application Initial Setup

Please follow the guidance within the application for setup.

- ① Please perform "Device Setup" "Device Setup" displays a list of paired devices. Please select "OB-LINK FA20" .



Red LED
Illuminated: Device setup is OK
Flashing: Device setup Error
(Please check pairing settings)
Green LED
Illuminated: Vehicle Protocol Type is OK
Flashing: Vehicle Protocol Type Error

If the OB-LINK TYPE-FA20 is connected to the OBD II port and Device setup and vehicle protocol type are not set correctly. OB-LINK TYPE-FA20 will switch off after 2 minutes. When resetting, please unplug from the OBD II port and restart connection process.

5. Fixing OB-LINK TYPE-FA20

Use the included hook and loop tape to secure the OB-LINK TYPE-FA20 unit in a location which will not obstruct driving.

Operation and Use

- OB-LINK TYPE-FA20 will automatically switch ON when it detects that the application or engine are started (IG power ON)
If the engine is stopped (IG Power OFF), Bluetooth connection is lost or the application is closed, OB-LINK TYPE-FA20 will automatically switch off.
- If an engine related problem is detected, An Error code is displayed. If you see this please consult an HKS Pro Shop or specialist.

Caution

- Please ensure that OB-LINK TYPE-FA20 or the wiring does not contact with water.
If OB-LINK TYPE-FA20 or its wiring contact water, there may be problems with operation and could possible cause damage to OB-LINK TYPE-FA20 or the vehicle.
- If it is being unused for long periods (over 2 weeks) please disconnect the OB-LINK TYPE-FA20 as it can lead to battery drain.
The current draw during standby is approximately 0.2[mA].

Maintenance

WARNING

- Do not use this product if any unusual noises or scents are detected.
Consult your Authorized HKS Dealer immediately. Otherwise, it may cause electric shock or fire.

Caution

- If work needs to be performed outside the scope of this manual, consult a professional.
- Do not use this product if unusual occurrences should occur. Consult with your dealer immediately.
- If any unusual noise, scents, and/or vibrations are noticed, stop using the product to prevent a fire and/or short circuit.
- Do not try to repair the product yourself. Consult with your dealer.

● Maintenance of this product is necessary for driving safety.

Product Specifications

- Operating Voltage..... DC10~16V
- Operation Temperature..... -20~75°C
- Maximum Electrical Power Consumption..... 1.12W

Revision of Manual

Rev.Number	Date	Details
3-1.01	2014. 5	1st Edition