

Premium Suction Intake Kit Installation Manual

NAME OF PRODUCT	PREMIUM SUCTION INTAKE KIT
PART NUMBER	70018-AF009
APPLICATION	SUBARU LEGACY B4 (DBA-BM9) LEGACY TOURING WAGON (DBA-BR9)
ENGINE	, EJ255
YEAR	, 2009/5-
REMARKS	This kit is only for vehicles equipped with a turbocharger. This kit is an air cleaner for automobile engines. To maintain performance, replace the air filter element at regular intervals.

NOTICE

This manual assumes that you have and know how to use the tools and equipment necessary to safely perform service operations on your vehicle. This manual assumes that you are familiar with typical automotive systems and basic service and repair procedures. Do not attempt to carry out the operations shown in this manual unless these assumptions are correct. Always have access to a factory repair manual. To avoid injury, follow the safety precautions contained in the factory repair manual.

- 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 installation and/or use of this product.
- HKS will not be responsible for any labor expenses, related fees or losses incurred during vehicle downtime.
- This product was designed based on installing it onto a factory vehicle. The performance and/or safety cannot be guaranteed if this product was installed onto other inapplicable vehicles.
- The specifications of this product are subject to be changed without notice.
- This manual is subject to be revised without notice.
- For any lost parts, consumables or manual, please contact an Authorized HKS Dealer.

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SAFETY PRECAUTIONS

WARNING

- To prevent electrical damage/burns/fire, always:
 - Disconnect the negative terminal of the battery before beginning installation.
 - When disconnecting wires/connectors, take extra care to avoid breaking/snapping the connectors.

CAUTION

- Do not misuse this product.
 - Misuse of this product may lead to engine damage.
 - Misuse of this product may lead to loss of its original function.
- Prior to installation, make sure the engine bay temperature has cooled to approximately 40 /104°F
 - Failure to let the engine cool down properly can lead to severe burns.
- Insert clean rags into open piping to prevent contaminants from entering the pipes.
 - If neglected, contaminants in the piping can lead to engine damage.

- Make sure that all of the parts listed in the Parts List are included in the kit.
- Reference the factory service manual for the vehicle when removing factory parts.
- Be careful when handling this product; avoid dropping or subjecting it to excessive impact. Failure to do so may result in product damage or improper installation.
- Use the proper tools when tightening nuts and bolts. If over tightened, the bolts may become damaged.
- Keep the removed factory parts in a safe place for ease of re-installation at a later date (if necessary).
When reinstalling the removed factory parts, make sure to reinstall them correctly.

CAUTION

- Replace the air filter element at regular intervals:
(Recommended) Replace every 10,000Km/6,200miles or every 12 months. Replacement air filter elements are sold separately.

Do not wash the air filter elements as the filtration properties will be degraded.
There are certain conditions where, depending on dirt buildup, the filter may need to be cleaned/replaced earlier than the above recommended intervals.

If the vehicle and the product are not maintained properly as mentioned above, the product may not perform properly and the airflow meter sensor may not be able to detect the intake air volume accurately; it can lead to **engine damage or faulty conditions.**

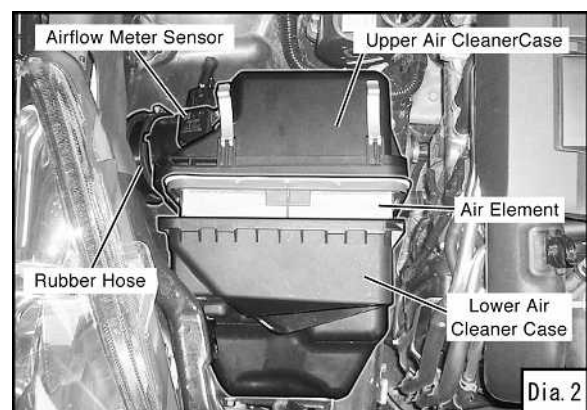
INSTALLATION PROCEDURE

1. REMOVAL OF FACTORY PARTS

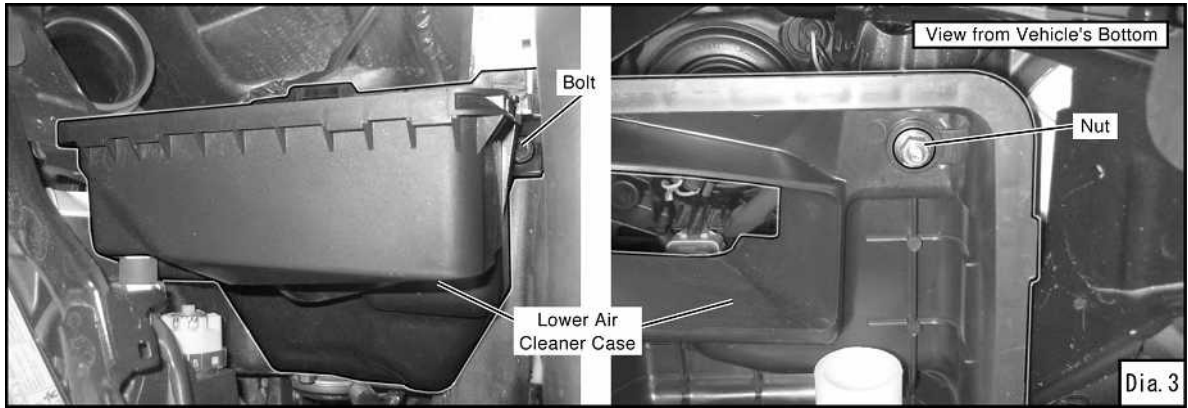
- 1) Disconnect the negative terminal of the vehicle's battery.
- 2) Remove the air intake duct. (Dia.1)



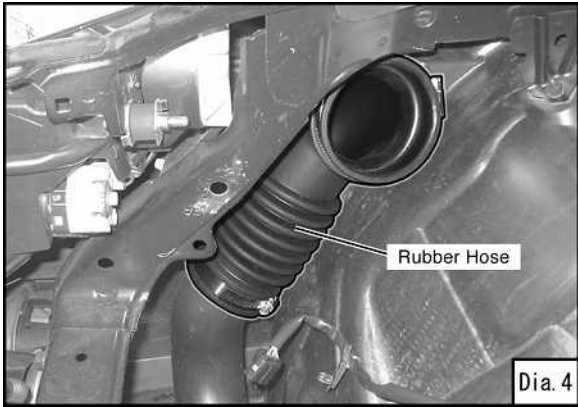
- 3) Disconnect the airflow meter connector; then, loosen the hose clamp, and remove the upper air cleaner case with the airflow meter sensor. (Dia.2)
- 4) Remove the air element. (Dia.2)



5) Loosen the bolt and nut; then, remove the lower air cleaner case. (Dia.3)

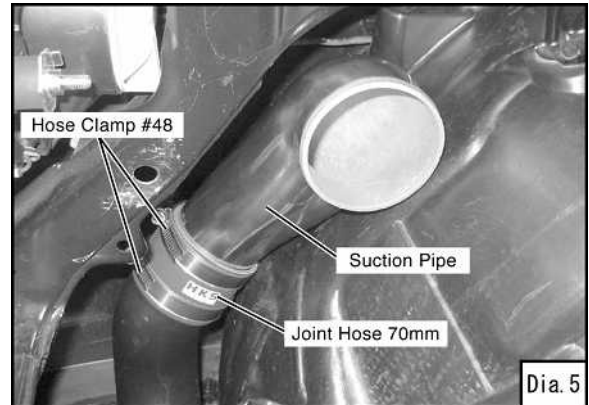


6) Loosen the hose clamp and remove the rubber hose. (Dia.4)

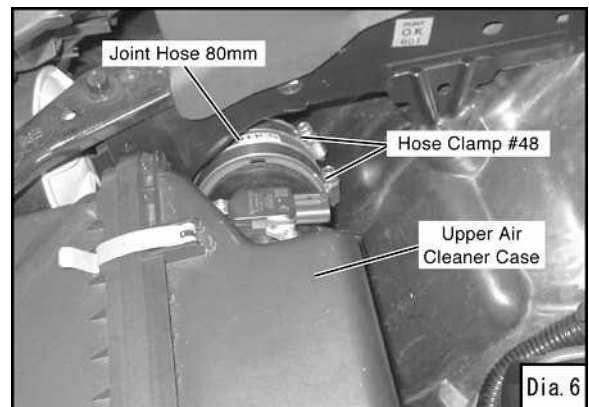


2. INSTALLATION OF THE KIT

- 1) Temporarily install the Joint Hose 70mm to the factory suction pipe using the provided Hose Clamps. (Dia.5)
- 2) Temporarily install the Suction Pipe. (Dia.5)



- 3) Temporarily install the Joint Hose 80mm to the Suction Pipe using the provided Hose Clamps. (Dia.6)
- 4) Temporarily position the upper air cleaner case and the lower air cleaner case to make sure the kit can be installed properly. (Dia.6)
- 5) Remove the upper air cleaner case and the lower air cleaner case. Tighten the Hose Clamps to secure the Joint Hose 70mm.



- 6) Reinstall the lower air cleaner case to its original position. (Dia.7)
- 7) Replace the factory air element with the Super Hybrid Filter.
- 8) Reinstall the upper air cleaner case to its original position. Tighten the Hose Clamps to secure the Joint Hose 80mm. (Dia.7)
- 9) Reconnect the airflow meter connector.
- 10) Reinstall the air intake duct. (Dia.7)
- 11) Reconnect the negative cable to the battery.



CONFIRMATION AFTER INSTALLATION

Check the following after the installation process is complete.

(1) Check the following before starting the engine:

- Make sure all pipes and hoses are routed and connected correctly.
- Make sure all hose clamps are tightened.
- Make sure the negative cable terminal is securely attached to the battery.
- Make sure all bolts and nuts are tightened.
- Make sure all installed components do not come in contact with other parts.

(2) Start the engine and check the following:






- Make sure air is not leaking.
- Make sure the RPM rises smoothly after revving the engine 2-3 times while in neutral.
- Make sure the installed parts are not hitting each other.
- Make sure there are no idling issues.
- Make sure there are no loose bolts after turning off the engine. Re-tighten if necessary.





MAINTENANCE

Proper maintenance of this product is necessary in order to maintain the safety, reliability, and function of this product.

- Maintenance is the responsibility of the driver/owner.
- If work needs to be performed outside the scope of this manual, consult a professional.
- If the vehicle gets damaged, have the repairs performed by a professional.
- If you experience any abnormal noise, smell, or vibration from the vehicle while driving, reference the vehicle's Service Manual.
- If this product is ever re-sold, please give this Instruction Manual to the new owner.
- When removing this product from the vehicle, please consult a professional.

PARTS LIST

No.	Description	Qty	Image	Remarks
1	Super Hybrid Filter	1		70017-AF001
2	Suction Pipe	1		
3	Joint Hose	1		80mm
4	Joint Hose	1		70mm
5	Hose Clamp	4		Bead Type #48

No.	Description	Qty	Image	Remarks
6	Cushion Tape	3		
7	Sticker	1		
8	E04521-F45040-00 Instruction Manual	1		
9	E04521-F45050-00 Instruction Manual	1		English