



Instruction Manual

NAME OF PRODUCT	Super SQV IV Black Edition Universal Application
PART NUMBER	71008-AK005

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E04531-K00210-00

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.

SAFETY PRECAUTIONS

WARNING

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

CAUTION

- Do not misuse this product.
 - Misuse of this product may lead to engine damage.
 - Misuse of this product may lead to loss of original function.
- Prior to installation, make sure the engine bay temperature has cooled to approximately 40°C /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.

INSTALLATION PROCEDURE

- (1) Remove the cable from the negative terminal of the battery.
- (2) Remove the section of the intercooler piping where the SSQV is to be installed.
- (3) Cut a hole in the intercooler piping and weld the SSQV flange (sold separately) onto the intercooler piping.

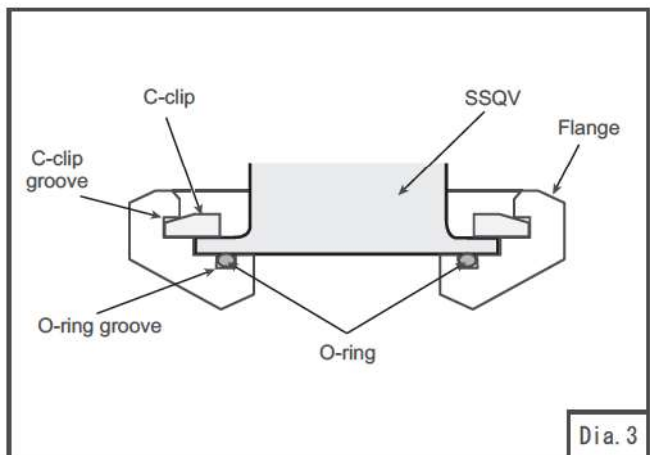
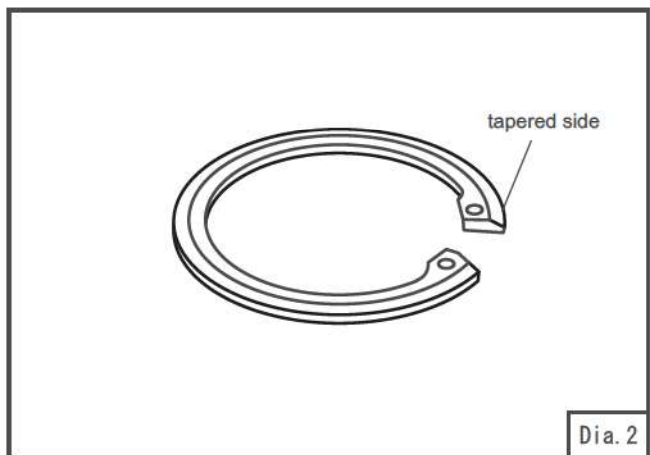
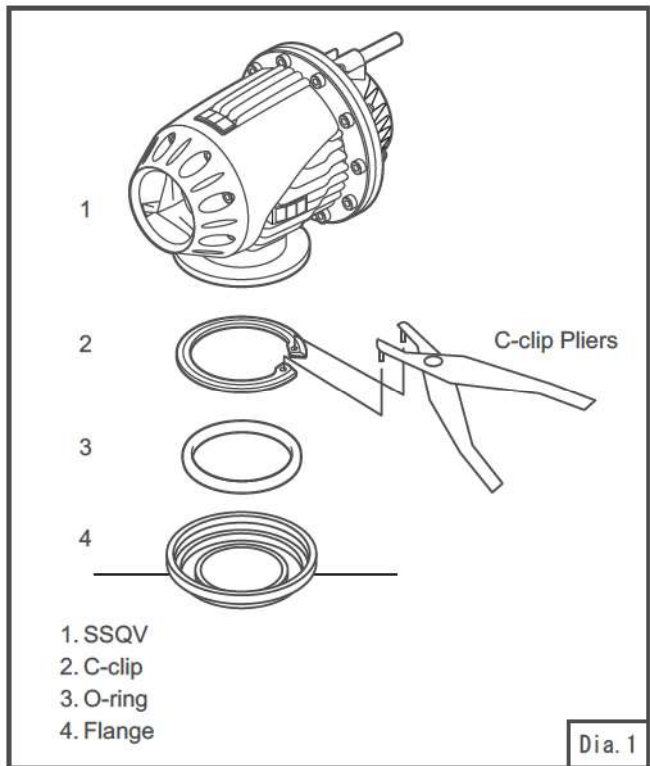
ADVICE:

Position the SSQV is not get close to the heat source (turbo-charger, exhaust manifold, etc.).

- (4) Install the O-ring in the groove on the flange.
(Dia. 1, 3)
- (5) Connect the SSQV to the flange using the provided C-clip.
The tapered side should face up on the C-clip.
(Dia. 1, 2)

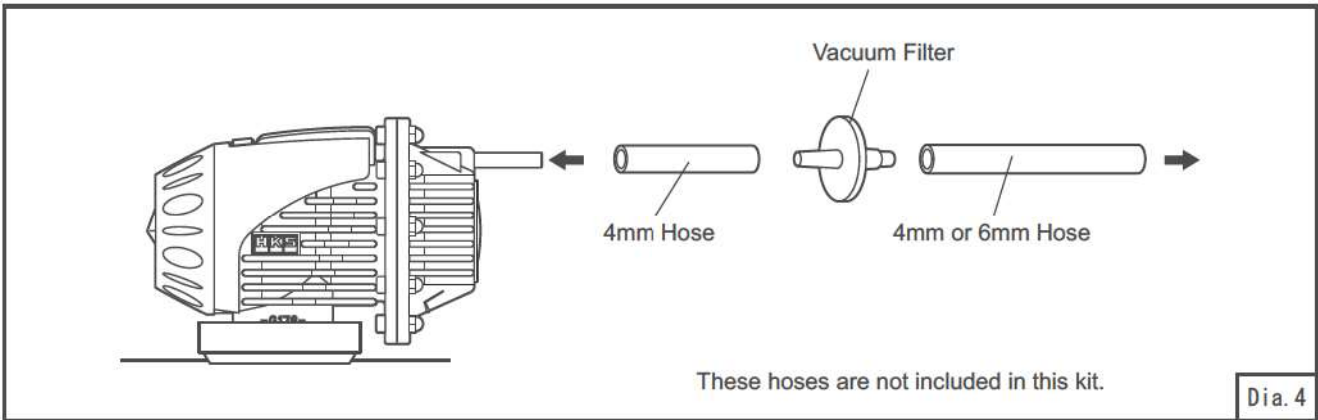
ADVICE:

During removal and installation, make sure no foreign objects get inside the pipes and hoses.



- (6) Reinstall the removed section of the intercooler piping.
- (7) Connect the SSQV to the intake manifold source such as:
 - A. Factory fuel pressure regulator
 - B. A pressure fitting after the throttle body

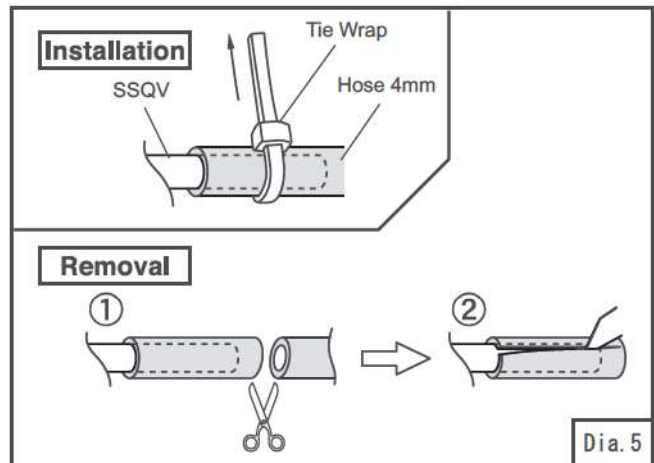
If necessary, use one of the provided T-fittings to splice into an existing hose. (Dia. 4)



- (8) Install the vacuum filter between the SSQV and the source of the intake manifold pressure (with the short end going to the SSQV). (Dia. 4)
- (9) Install the vacuum hose using the provided vacuum filter. Attach the other end to the SSQV. Cut the 4mm hose to the appropriate length. (Dia. 4, 5)

The SSQV must be activated by intake manifold pressure.

- (10) Secure the 4mm Hose connected to the SSQV Fitting using a Tie Wrap. (Dia. 4, 5)



ADVICE:

When uninstalling the SSQV Assy or when removing the 4mm hose from the SSQV Assy, remove the Tie Wrap, cut the hose past the port on the SSQV Assy, and slice the 4mm Hose lengthwise and then remove the 4mm hose. (Dia. 5)
 Do not pull or wriggle the 4mm Hose using pliers or other tools to prevent damage to the SSQV Assy.

- (11) Inspect all parts for proper installation. Verify the SSQV Assy is securely mounted to the flange and the C-clip is installed correctly. Make sure the manifold pressure hose is not pinched and there are no holes or cuts on it.
- (12) If the SSQV is mounted near the hood or any other part, make sure the SSQV Assy has adequate clearance so it does not come in contact with other parts.
- (13) Reconnect the battery cable to the negative terminal of the battery.

How to install the Super SQV Recirculation Fitting

If it is necessary to recirculate the SSQV back into the suction pipe, please refer to the instructions below. Miscellaneous hose clamps, suction pipe fitting and return hose are not included in this kit.

SSQV Recirculation Fitting (sold separately)

For 1" ID Hose	P/N : 71002-XA001
For 19mm ID Hose	P/N : 71002-AK003
For 29mm ID Hose	P/N : 71002-AK004

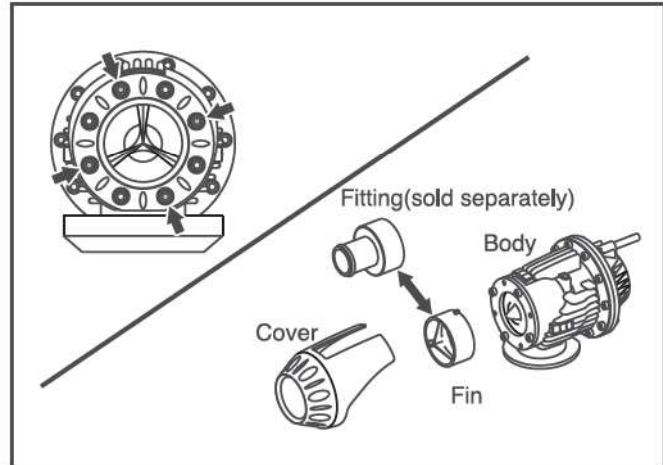
1. Remove 4 bolts (per diagram) and remove the cover.

NOTE

Do not remove the remaining 4 bolts as they are to stay affixed to the SSQV main body.

2. After removal of the cover, the recirculation fitting can be removed.

3. Install the Recirculation Fitting. Reinstall the cover and retighten the 4 bolts.



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 unusual conditions found while idling.
- Make sure there are no loose bolts after turning off the engine. Re-tighten if necessary.

PARTS LIST

No	Description	QT	Image	Remarks	No	Description	QT	Image	Remarks	No	Description	QT	Image	Remarks
1	SSQV	1			4	T-Fitting	1		6-4-6mm	7	Tie Wrap	3		
2	C-clip	1			5	T-Fitting	1		4-4-4mm	8	Instruction Manual	1		
3	O-ring	1			6	Vacuum Filter	1			9				

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 Owner's 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.



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