

Racing Suction Reloaded Intake Kit

70020-DH001

HONDA CIVIC TYPE-R

Model: FN2

Engine Type: K20

Model Year: 2007/04-

Ver. 20100305

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

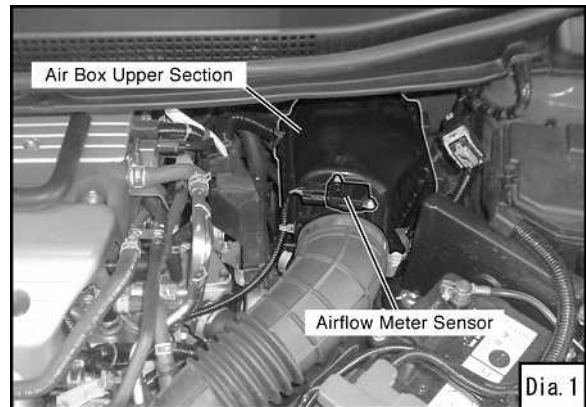
- Do not misuse this product.
 - Misuse of this product may lead to engine damage.
 - Misuse of this product may lead to loss of original function.
- Prior to beginning installation, check to make sure that the engine bay temperature has cooled to approximately 40 °/104°F
 - Failure to let the engine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

- Check to 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 impacts. 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 will become damaged.
- Keep the removed factory parts in a safe place for ease of re-installation at a later date (if necessary).
- Replace the filter element at regular intervals:
(Recommended) Replace every 3,000~5,000km/2,000-3,200miles or every 3~6 months.
Replacement filter elements are sold separately.
*Do not wash the filter elements as the filtration properties will be degraded.
- However, there are certain conditions where, depending on dirt buildup, the filter may need to be replaced earlier than the above recommended intervals.
- If the vehicle and the product are not maintained properly as mentioned above, the product cannot perform properly, and the airflow meter sensor may not be able to detect the intake air volume accurately; it may lead to engine damage or bad conditions.

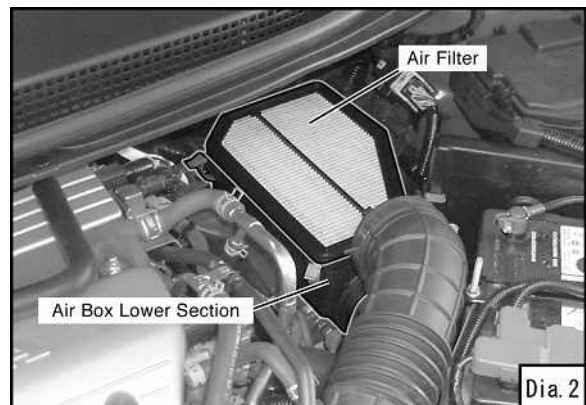
INSTALLATION PROCEDURE

1. REMOVAL OF STANDARD PARTS

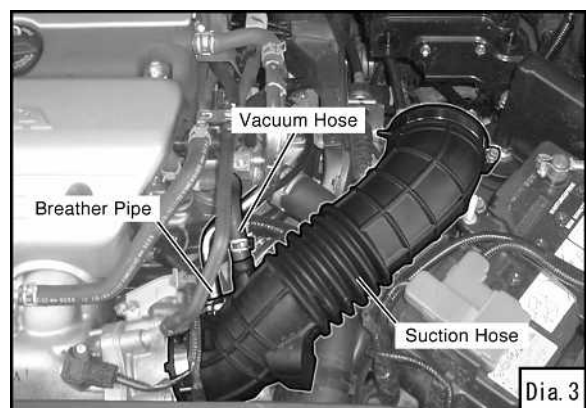
- 1) Remove the negative terminal from the battery.
- 2) Remove the air flow meter connector.
- 3) Loosen the hose clamp and remove the air box upper section with the air flow meter sensor. (diagram 1)



- 4) Remove the air filter and air box lower section. (diagram 2)



- 5) Remove the hose clamp and separate the vacuum hose and breather pipe from the suction hose. (diagram 3)
- 6) Loosen the hose clamp and remove the suction hose. (diagram 3)
- 7) Remove the Air flow meter sensor from the air box upper section. (diagram 1)

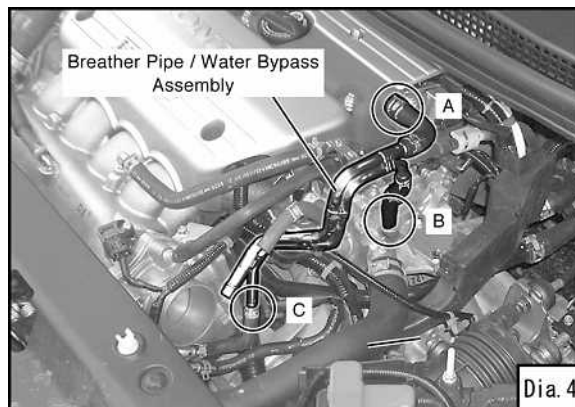


2. FITMENT OF KIT PARTS

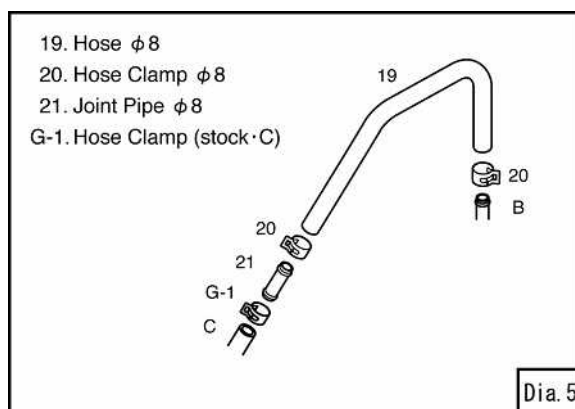
Advice:

When removing the breather pipe/water bypass assembly, a small amount of coolant can leak. Please either drain the coolant before removal or ensure appropriate measures are taken to prevent coolant leakage onto other parts of the engine. After fitting the kit, replenish any lost coolant and remove air from the system before starting the car for the first time.

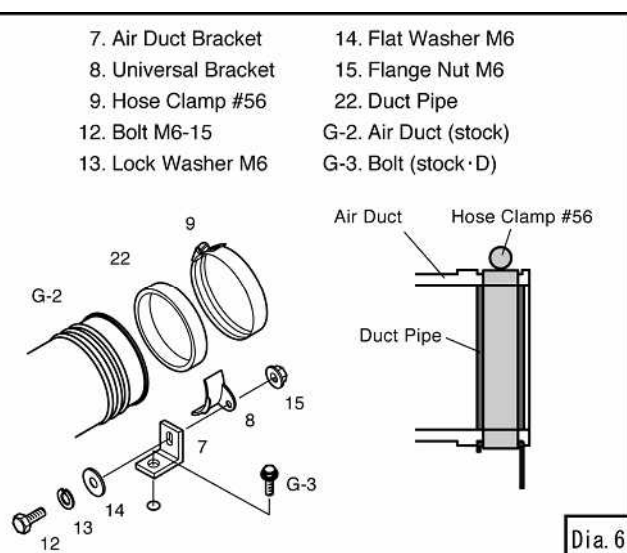
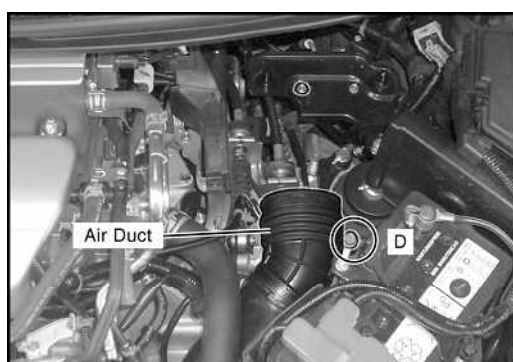
- 1) Loosen hose clamps and remove breather pipe/water bypass assembly (diagram 4)



- 2) Fit Hose 8 (diagrams 4,5)

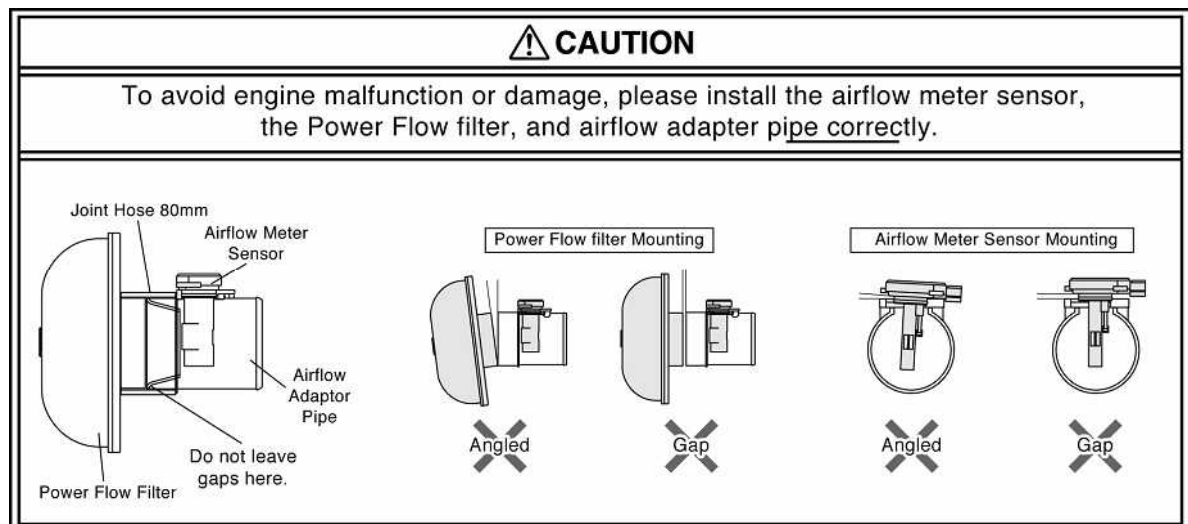
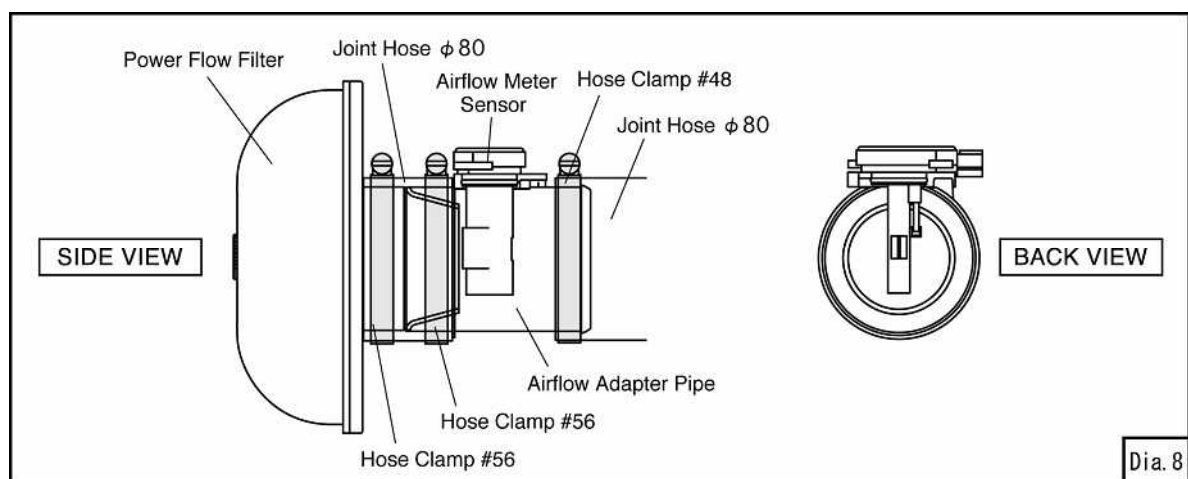


- 3) Use the supplied kit parts to secure the air duct (diagrams 6,7)



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- Dia. 7

- 5) Ensure that the air flow meter o ring (stock part) is seated correctly and use the M4 screws supplied in the kit to secure it to the air flow adaptor pipe. Do not over tighten the screws (screw torque 2.0~3.0 Nm) (diagrams 8,10)



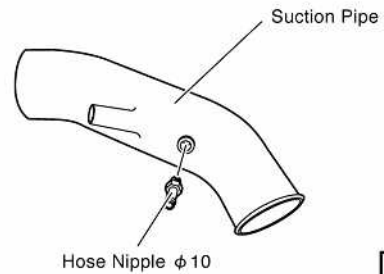
- 6) Attach nipple 10 to the suction pipe. Use some sealing tape on the threaded section of the nipple to prevent air leaks (diagram 9)

Advice:

Tighten the nipple by hand then use the appropriate tool to further tighten by 1~2 turn. It is not necessary to have the base of the nipple meet the suction pipe.

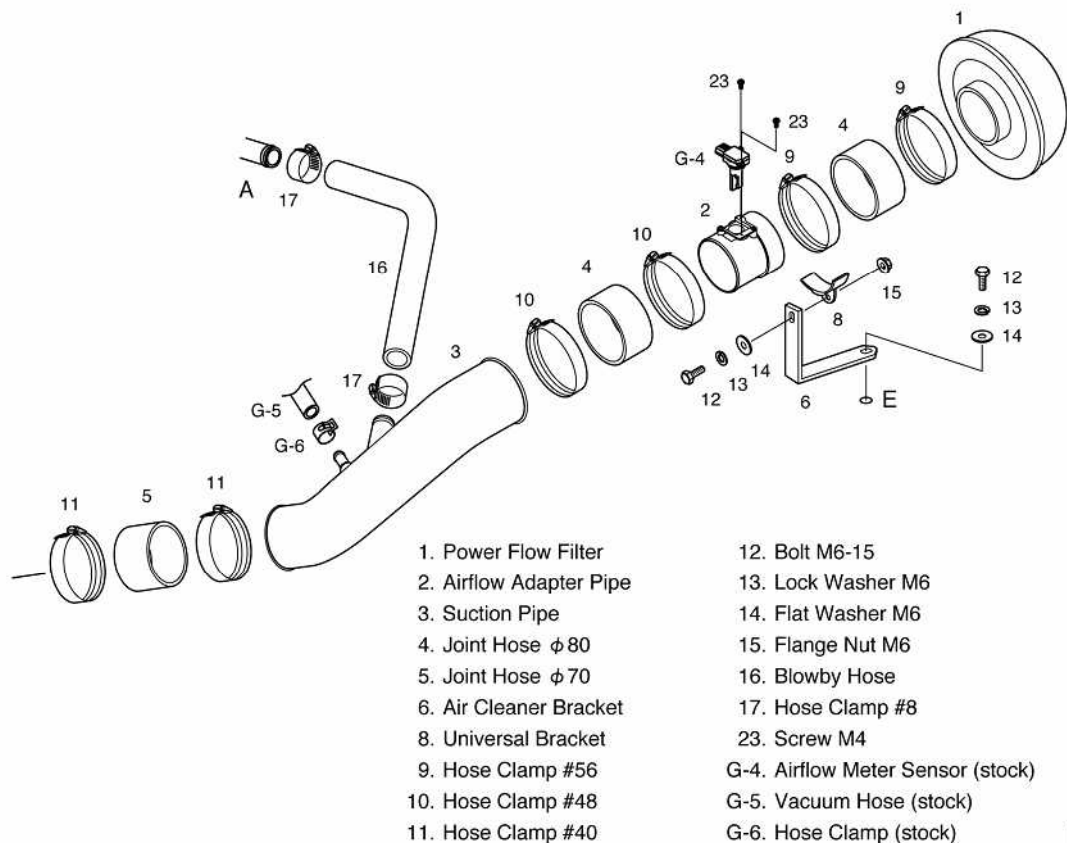
To prevent air leakage, wrap the thread section with tape.

Tighten the nipple by hand then use the appropriate tool to further tighten by 1~2 turn. It is not necessary to have the base of the nipple meet the suction pipe.



Dia. 9

- 7) Assemble kit parts as per diagrams 7, 10 and 11. Do not tighten anything at this stage.

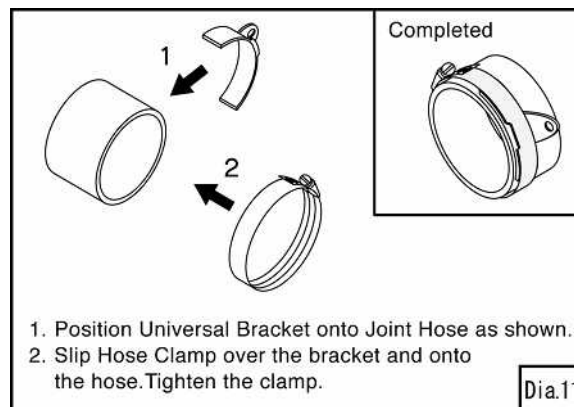


Dia. 10

- 8) Adjust the location of the Power Flow filter making sure it does not make contact with any parts of the car. Tighten the hose clamps when the location of the filter is decided. Please make sure that the clamps are not over tightened (diagram 12)

Advice:

Choosing the correct tool can help control the amount of torque used to tighten the clamps. A "clip driver" type tool is recommended. If it is necessary to use a ratchet or similar, please exercise caution and do not over tighten the clamps which may cause damage. Recommended torque is 2.0~3.0 Nm



- 9) Reconnect the air flow meter connector
10) Reconnect the battery negative terminal



Confirmation after installation

Check the following after the installation process is complete.

(1) Check the following before starting the engine:

- Make sure pipes and hoses are routed and connected correctly.
- Make sure hose clamps are tightened.
- Make sure the negative cable terminal is securely connected 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 when revving the engine 2-3 times while in neutral.
- Make sure the installed parts are not hitting each other.
- Make sure there are no issues idling.
- Make sure there are no loose parts after the engine is stopped











MAINTENANCE











Proper daily 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 becomes damaged, have the repairs performed by a professional.
- If you experience abnormal noises, scents, or vibrations from the vehicle while driving, reference the vehicle's Owner's Manual.
- If this product is ever 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 | Power Flow Filter | 1 |  | 200-80 |
| 2 | Airflow Adaptor Pipe | 1 |  | |
| 3 | Suction Pipe | 1 |  | |
| 4 | Joint Hose | 2 |  | 80 L=55 |
| 5 | Joint Hose | 1 |  | 70 L=55 |
| 6 | Air Cleaner Bracket | 1 |  | |
| 7 | Air Duct Bracket | 1 |  | |
| 8 | Universal Bracket | 2 |  | 80 |
| 9 | Hose Clamp | 3 |  | #56 |
| 10 | Hose Clamp | 2 |  | #48 |

| No. | Description | Qty | Image | Remarks |
|-----|-------------|-----|---|---------|
| 11 | Hose Clamp | 2 |  | #40 |
| 12 | Bolt | 3 |  | M6-15 |
| 13 | Lock Washer | 3 |  | M8 |
| 14 | Flat Washer | 3 |  | M8 |
| 15 | Flange Nut | 2 |  | M8 |
| 16 | Blowby Hose | 1 |  | 16 |
| 17 | Hose Clamp | 2 |  | #8 |
| 18 | Hose Nipple | 1 |  | 10 |
| 19 | Hose | 1 |  | 8 |
| 20 | Hose Clamp | 2 |  | 8 |

| No. | Description | Qty | Image | Remarks |
|-----|--------------------|-----|---|------------|
| 21 | Joint Pipe | 1 |  | 8 |
| 22 | Duct Pipe | 1 |  | 80 L=18 |
| 23 | Screw | 2 |  | |
| 24 | Tie Wrap | 5 |  | |
| 25 | Sticker | 1 |  | |
| 26 | Instruction Manual | 1 |  | |
| 27 | Instruction Manual | 1 |  | English |
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