

Racing Suction Reloaded Intake Kit 70020-AM010

MITSUBISHI LANCER EVOLUTION X (TC-SST)

Model: CBA-CZ4A

Engine Type: 4B11 Turbo

Model Year: 2008/10- (JDM)

Frame No.CZ4A-0100001~

Ver. 20090625

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

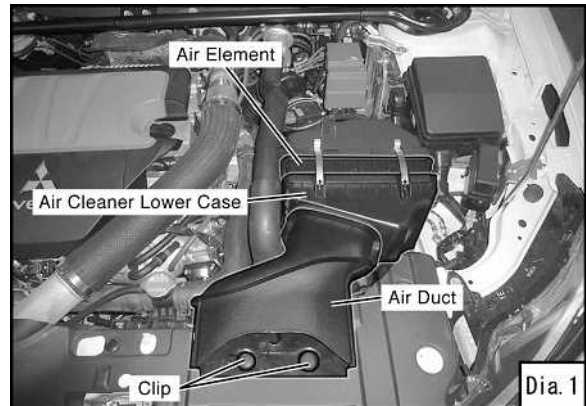
- Do not misuse this product.
 - Misuse of this product may lead to engine damage.
 - Misuse of this product may lead to loss of original function.
- Prior to installation, make sure the engine bay temperature has cooled to approximately 40 °/104°F
 - Failure to let the engine cool down properly can 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 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 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.

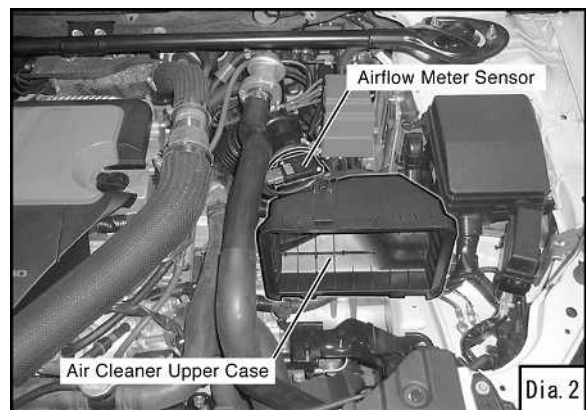
INSTALLATION PROCEDURE

1. REMOVAL OF FACTORY PARTS

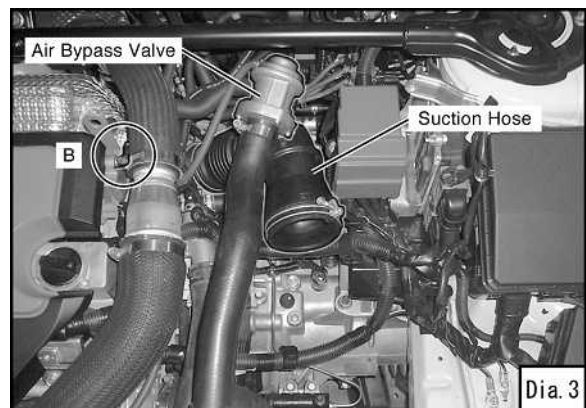
- 1) Disconnect the negative terminal of the battery.
- 2) Remove 2 clips and a bolt and remove the air duct and the lower air cleaner case together. (Dia.1)
- 3) Remove the air element. (Dia.1)
- 4) Remove the air duct from the lower air cleaner case. (Dia.1)

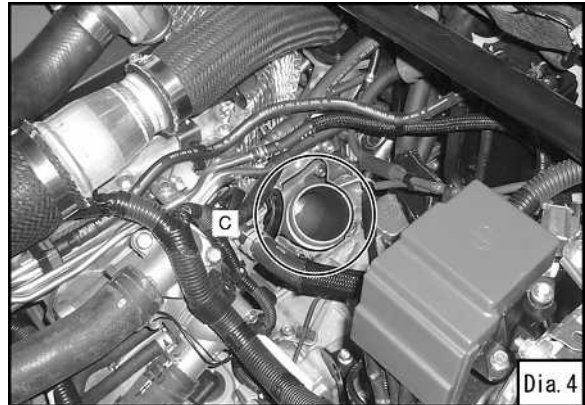


- 5) Disconnect the connector from the airflow meter sensor. (Dia.2)
- 6) Loosen the hose clamp and remove the upper air cleaner case and airflow meter sensor together. (Dia.2)
- 7) Remove the airflow meter sensor from the air cleaner upper case. (Dia.2)

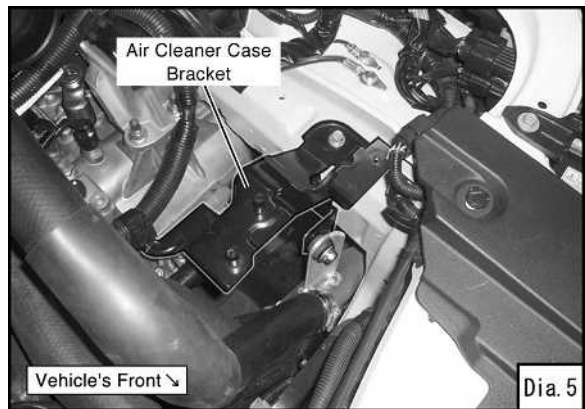


- 8) Loosen the hose clamp and remove the air bypass valve from the suction hose. (Dia.3)
- 9) Disconnect 2 hoses from the suction hose. Disconnect the blow-by hose from the engine side (Dia.3 • B) as well. (Dia.3)
- 10) Loosen the hose clamp and remove the suction hose. (Dia.3)





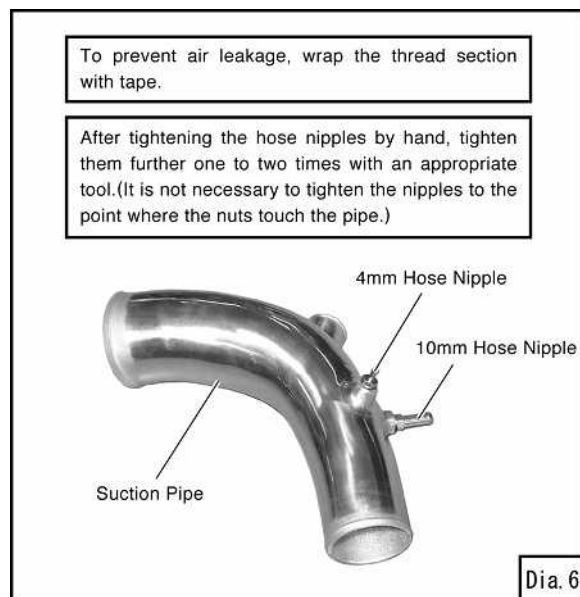
- 11) Remove 4 bolts and remove the air cleaner case bracket. (Dia.5)



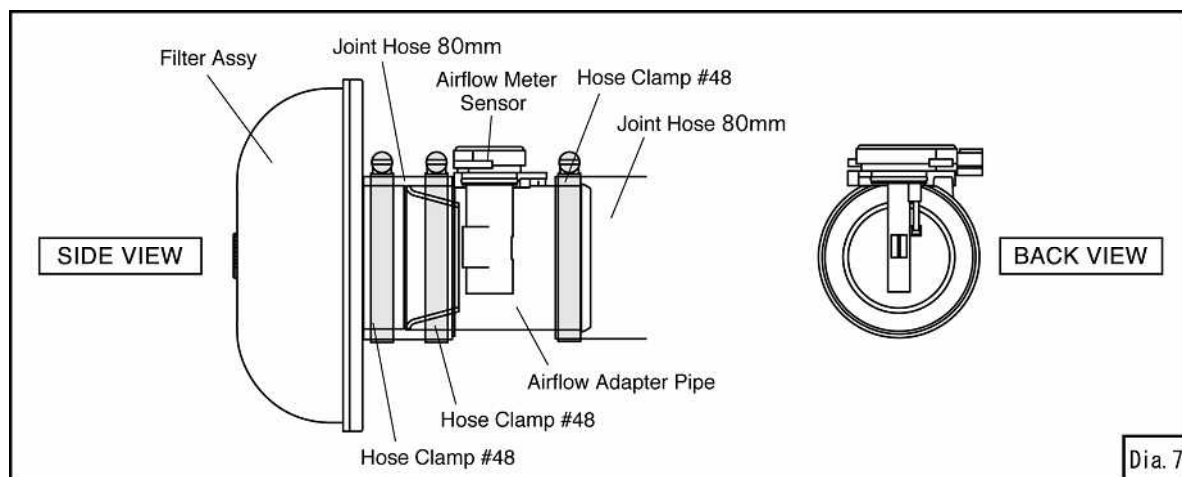
2. INSTALLATION OF THE KIT

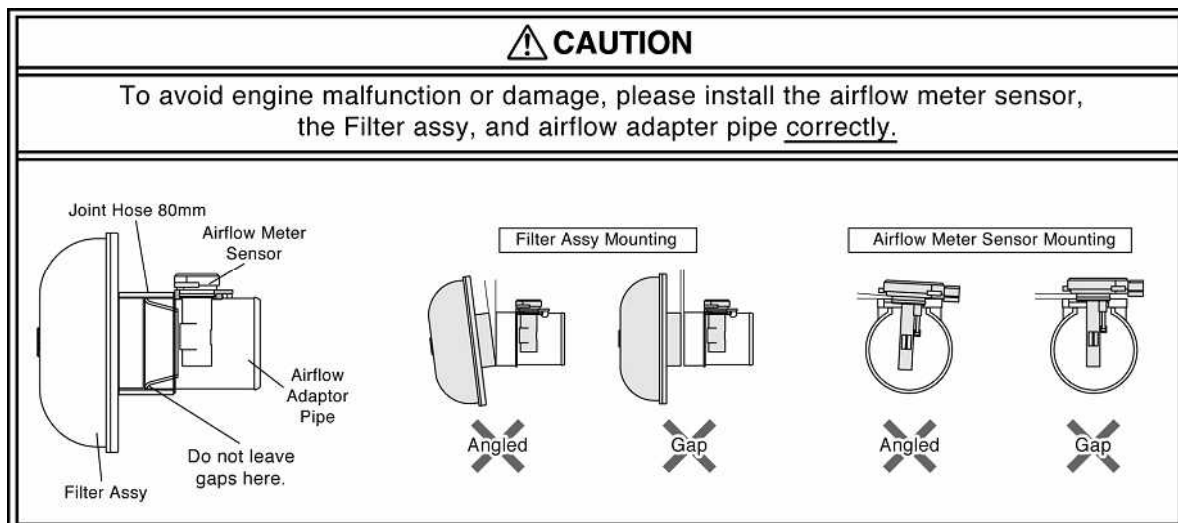
- 1) Install the supplied 10mm hose nipple and the 4mm hose nipple. To prevent air leakage, wrap the thread section with tape. (Dia.6)

Advice: After tightening the hose nipples by hand, tighten them further one to two times with an appropriate tool. (It is not necessary to tighten the nipples to the point where the nuts touch the pipe.)



- 2) Assemble the components as illustrated in Diagram 7. Ensure that the factory airflow meter sensor's factory O-Ring is seated correctly, while taking caution that it does not get pinched in the airflow adapter pipe. Tighten with the supplied M4 screws. Do not over-tighten. Tightening torque: 2.0~3.0 N·m (0.2~0.3 kg·m). (Dia.7, 10)

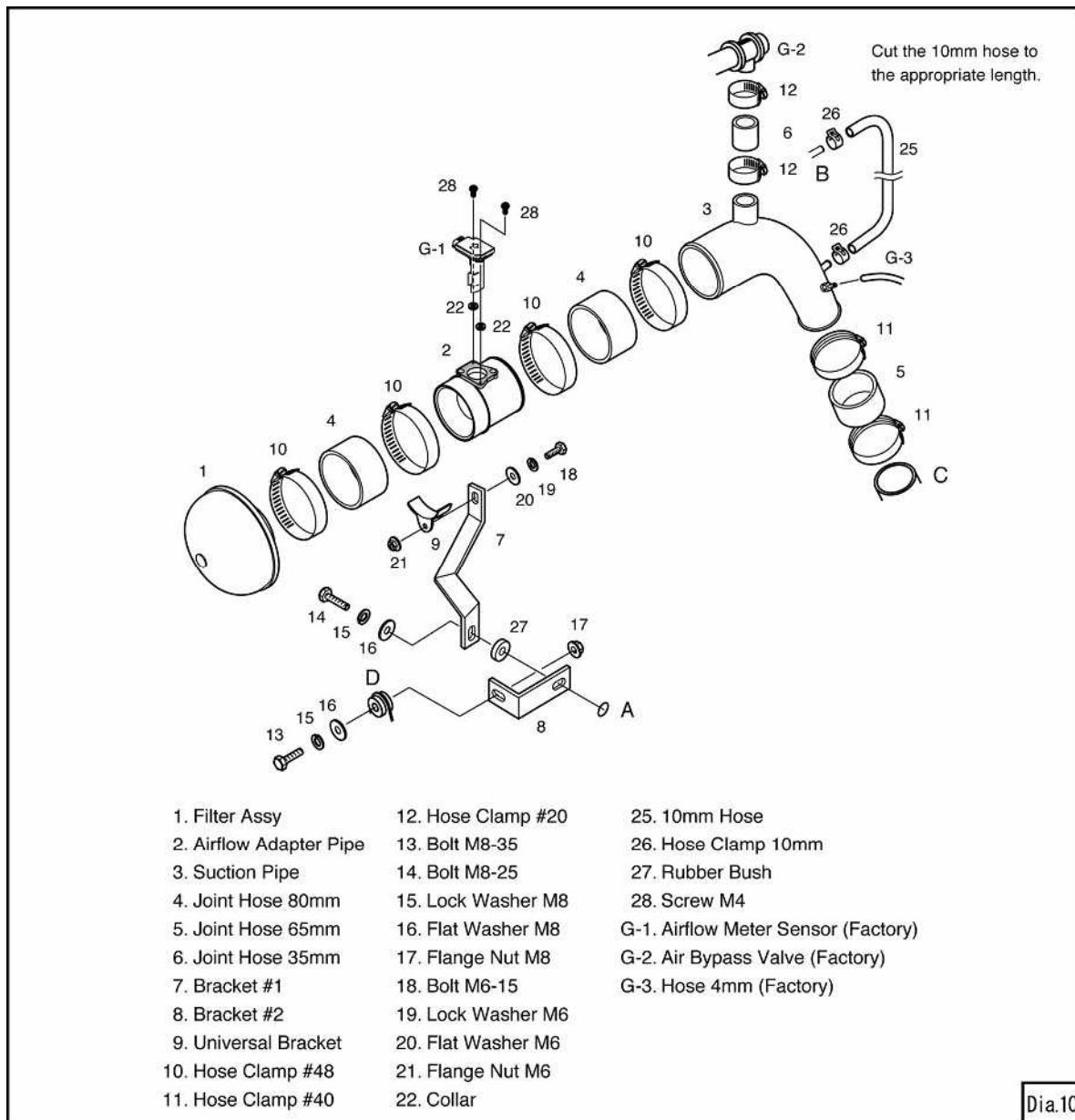




3) Install the suction pipe. (Dia.8, 10)



4) Temporarily assemble the kit parts. (Dia.8, 9, 10, 11)

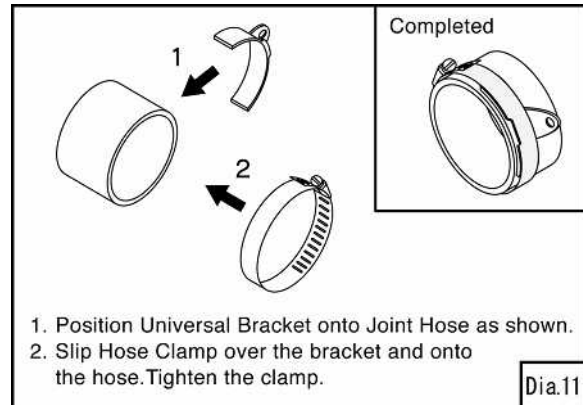


- 5) Position the air cleaner to the vehicle avoiding unnecessary contact with other parts of the vehicle. Once the position is determined, secure the air cleaner to the vehicle using the supplied hose clamps and bolts. Do not over-tighten the clamps and bolts. (Dia.12)

ADVICE:

Use of proper tools can help avoid over-tightening of hose clamps. (Screw drivers are recommended.

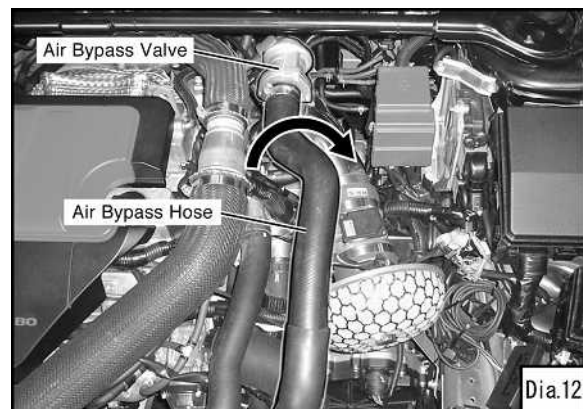
Do not use boxed wrenches since they tend to use more force.) If over-tightened, the air cleaner may bend or become damaged. (Tightening torque: 2.0~3.0 N-m {0.2~0.3 kg-m})



ADVICE:

Depending on the vehicle, the air bypass hose may come in contact with the bonnet/hood.

If this happens, temporarily loosen the hose clamp of the air bypass valve, and rotate the air bypass hose in the direction of the arrow (as illustrated in diagram Dia.12); then re-tighten the hose clamp.



- 6) Reinstall the air duct. (Dia.13)
7) Reconnect the airflow meter sensor connector.
8) Reconnect the negative terminal 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 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	Filter Assy	1		200-80mm
2	Airflow Adaptor Pipe	1		
3	Suction Pipe	1		
4	Joint Hose	2		80mm L=55
5	Joint Hose	1		65mm L=70
6	Joint Hose	1		35mm L=70
7	Bracket #1	1		
8	Bracket #2	1		
9	Universal Bracket	1		80mm
10	Hose Clamp	4		#48
11	Hose Clamp	2		#40

No.	Description	Qty	Image	Remarks
12	Hose Clamp	2		#20
13	Bolt	1		M8-35
14	Bolt	1		M8-25
15	Lock Washer	2		M8
16	Flat Washer	2		M8
17	Flange Nut	1		M8
18	Bolt	1		M6-15
19	Lock Washer	1		M6
20	Flat Washer	1		M6
21	Flange Nut	1		M6
22	Collar	2		

No.	Description	Qty	Image	Remarks
23	Hose Nipple	1		10mm
24	Hose Nipple	1		4mm
25	Hose	1		10mm L=300
26	Hose Clamp	2		10mm
27	Rubber Bush	1		
28	Screw	2		M4-10
29	Tie Wrap	5		
30	Sticker	1		
31	Instruction Manual	1		
32	Instruction Manual	1		English
33				