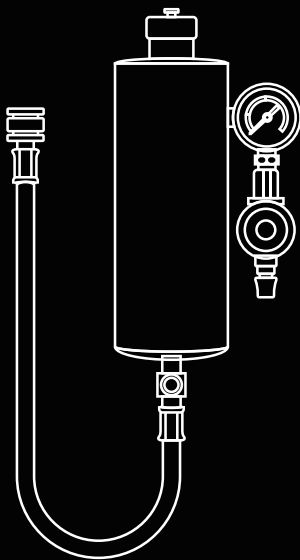


AUTOOL[®]

AUTOOL C100

Fuel System Cleaner

User Manual



www.autooltech.com



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CAUTIONS

Warning

- Wear protect gloves and cloth when operating.
Must stop engine if there have any fuel leak!
- Bind up the pipe as disconnect the pipe to avoid splash and fire.
- Please prepare at least a fire extinguisher when doing on-vehicle cleaning.
- Please lead the exhaust to outdoor when doing on-vehicle cleaning, because it contains a variety of toxic and hazardous gases.
- Please put the transmission in N and pull the brake when doing on-vehicle cleaning.

OPERATIONS INSTRUCTION

Connecting

The hose line connection of the engine with return hose is shown as in Fig.01.

- Disconnect the connections of fuel supply hoses (C, D) and fuel return hoses (A, B) of the engine fuel system (wrap the connector with towel when disconnecting the connector). Choose proper connectors and connect them to the B end and C end separately, and then connect the other ends to corresponding return hose and outlet hose of the unit. See Fig.01.
- Connect the disconnected other ends (A, D) with proper hose, or remove the fuel pump fuse, or disconnect the power cable of engine fuel pump.

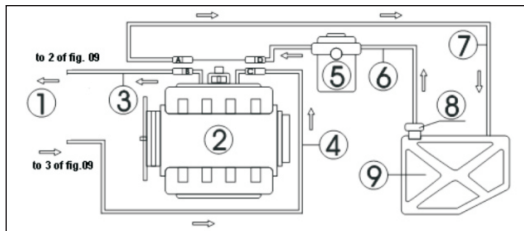


Fig.01

1	C100 Injector Cleaner & Tester	2	Engine
3	Fuel-return hose from engine	4	Fuel-inlet hose to engine

5	Auto filter	6	Engine fuel supply hose
7	Engine fuel return hose	8	Auto fuel pump
9	Auto tank		

Without return hose connecting

The hose line connection of the engine without return hose is shown as in Fig.02.

- Disconnect the fuel supply hoses (E, F) of engine fuel system (wrap the connector when disconnecting the connector), and then choose a proper connector and connect it to the E end. Reconnect the fuel outlet hose of the unit well and make the fuel return hose hanging. See Fig.02.
- Stop the other end of the disconnected end (F) with a proper stopper, (use when the fuel pump has the fuel return function only) or remove the fuse of fuel pump or disconnect the power cable of fuel pump.

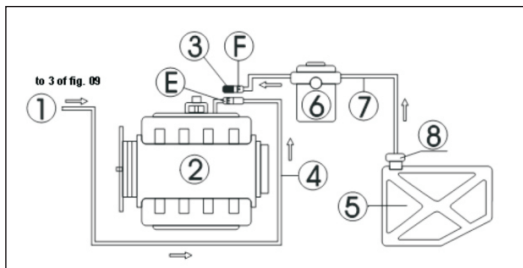


Fig.02

1	C100 Cleaner & Tester	2	Engine
3	Stopper	4	Fuel-inlet hose to engine
5	Auto tank	6	Auto filter
7	Engine fuel supply hose	8	Auto fuel pump

THE PICTURES



- Pour the mixture of gasoline and detergent into steel bottle of the C100.
- Close the valve of C100's fuel-outlet pipe and open the valve of C100's air-inlet port and then connect to the compress air. Adjust the pressure of air within 0.3 to 0.4MPa (3 to 4kgf/cm²) by air control valve.
- Connect the fuel supply adaptor of C100 to fuel supply pipe of the car fuel system, and open the ball valve. Check if it has some leaking between all the connections. There must have no any leaking when doing the cleaning work.
- Start engine to start flushing the fuel system.
- Drain out the pressure in the C100's bottle after flushing, and then disconnect the C100.
- Restore all of the pipes of the fuel system and check there have no leaking.

Note

- ▶ The connection ways for carburetor fuel system is same to electronic fuel injection system. The pressure in carburetor fuel system must be 0.07~0.35 kgf/cm².

The operating procedure of TWC and intake manifold flushing:

- Pour the TWC detergent into the bottle. Open the Ball Valve and Air Pressure Regulating Valve to keep the air pressure as zero.
- Connect the TWC Flushing Kit to the output pipe of the C100.
- Disconnect the Intake Vacuum Pipe which near the throttle and insert the TWC Flushing Nozzle into Intake Vacuum Pipe as shown.

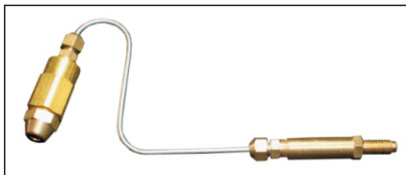


- Start the engine, and open the Ball Valve slowly which be sure to make the detergent into engine vacuum pipe very slowly. The flushing process needs about 30 or 40 minutes.
- Keep the engine speed up to 1000 rpm and press the accelerator every 3~5 minutes to make the engine speed up to 2000~3000 rpm and keep this state for 30 seconds. Then keep idle speed.

- Do the flushing procedures as above until to exhaust the detergent. Then stop engine and reconnect the vacuum pipe.
 - Start engine as idle speed for about 5 to 10 minutes to exhaust the detergent in the pipe.
-

The operating procedure of Throttle body and exhaust pipe flushing:

- Pour the Throttle Body detergent into the bottle, and close the Ball Valve of the fuel outlet pipe. Open the ball valve of the air inlet port and connect to the compressed air. Adjust the air pressure to about 0.5MPa (5kgf/cm²) and then close the Ball Valve of air inlet port.
- Connect the spray nozzle kit to the fuel outlet port of the C100.



- Remove the pipe ahead of throttle before flushing as shown.



- Put the spray nozzle kit in the throttle body as shown and start the engine. And then open the Ball Valve of fuel outlet port.



- Keep the engine speed up to 1000 rpm and press the accelerator every 3~5 minutes to make the engine speed up to 2000~3000 rpm and keep this state for 30seconds. Then keep idle speed.
- Do the flushing procedures as above until exhaust the detergent.
- Reconnect the pipes and initialize the throttle.

 **Caution**

- ▶ It must initialize the Throttle Position Sensor by automotive scan tool after cleaning. Otherwise the fault indicating lamp will lighten on, and PCM will record a DTC.

MAINTENANCE SERVICE

- Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.
-

Maintenance

To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully:

- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.
- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its service life.
- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable.
- Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.

- Regularly clean and replace consumable parts such as oil pump and oil filter; adjust the clearance of various parts and replace worn (broken) parts. Avoid contact with corrosive liquids.
- When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

WARRANTY

- From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.
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Warranty access

- The repair or replacement of products is determined by the actual breakdown situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.

These conditions below shall not be in warranty range

- The product is not purchased through official or authorized channels.
- The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

Disclaimer

- All information, illustrations, and specifications contained in this manual, AUTOOL reserves the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

RETURN & EXCHANGE SERVICE

Return & Exchange

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.
- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.
- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.
- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.

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