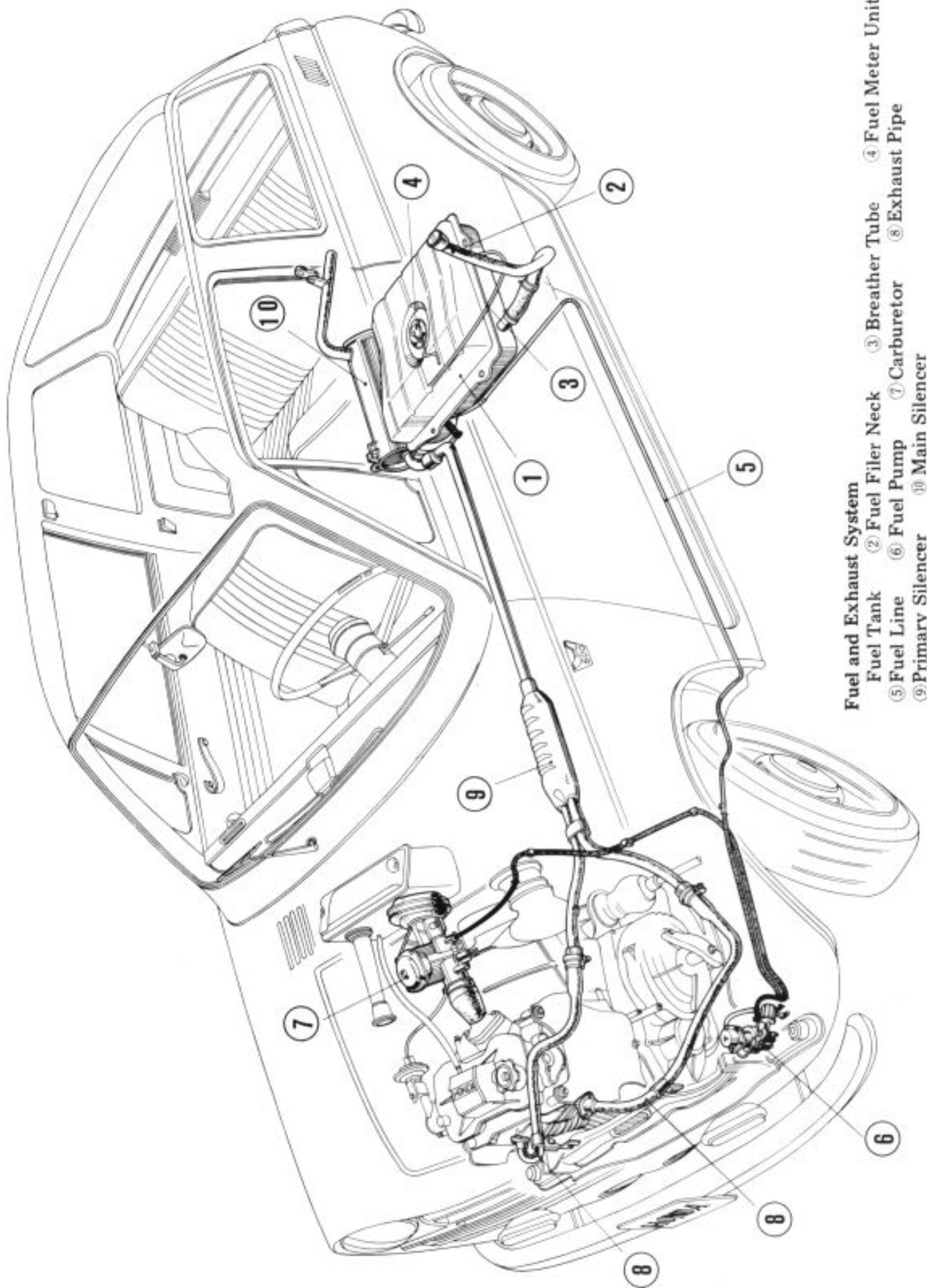


## SECTION 15

### EXHAUST SYSTEM

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**Fuel and Exhaust System**  
 Fuel Tank ② Fuel Filer Neck ③ Breather Tube ④ Fuel Meter Unit  
 ⑤ Fuel Line ⑥ Fuel Pump ⑦ Carburetor ⑧ Exhaust Pipe  
 ⑨ Primary Silencer ⑩ Main Silencer

Fig. 15A-1

## 15-2 EXHAUST SYSTEM

### A. Description

The exhaust system consists of exhaust pipe, primary silencer, and main silencer. (See Fig. 15A-1 and 15A-2)

The exhaust pipes, R and L, project from the cylinder head and are connected to the primary silencer beneath the differential.

The primary silencer is connected to the main silencer, and gas is exhausted through the tail pipe to the rear beneath the rear right bumper.

The exhaust system is fitted at the following points: the exhaust pipe is fitted to the front engine support beam by bolt; the primary silencer supported by the rubber ring (tightened together with the fuel tank by bolt); the main silencer fitted by the bracket to the rear spring hanger with rubber between; and the tail pipe is fitted by rubber ring. Thus, it is designed so that vibration by exhaust has no affect on the body.

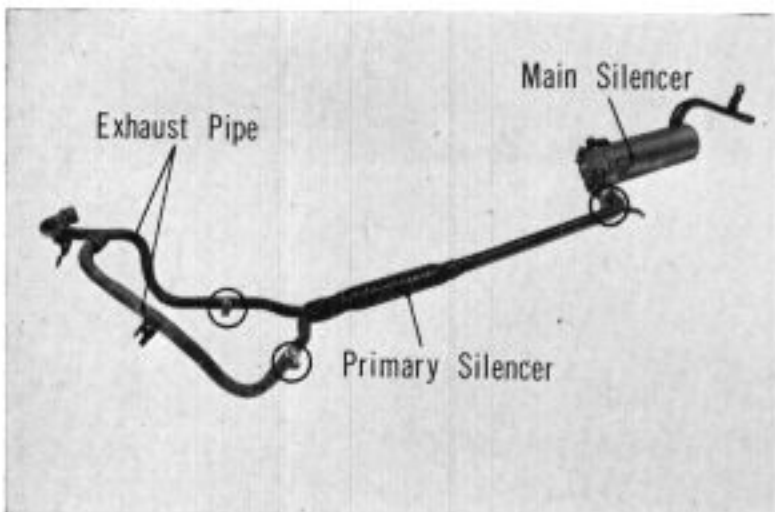


Fig. 15A-2

In the exhaust car heater type (Refer to SECTION 16 Heater and Ventilation), heat from the heater is taken from the exhaust pipe on the left side. The flange section on the cylinder head side of the exhaust pipe is a double pipe construction reinforced so that it does not cause pipe splitting.

The joint of the primary silencer and the exhaust pipe is a spigot type and tightened by the clamp hold.

The main silencer is divided into four chambers (See Fig. 15A-4), the exhaust gas goes into pipe A and is silenced by the glass wool inside, and then into chamber ④, where it is expanded to decrease exhaust temperature. Next, the gas is led through pipe B to chamber ①, and then through pipe C to chamber ②, to chamber ③ through pipe D, and from chamber ③ through pipe E and is exhausted. The joints of pipes A and B and the silencer are reinforced by a double construction.

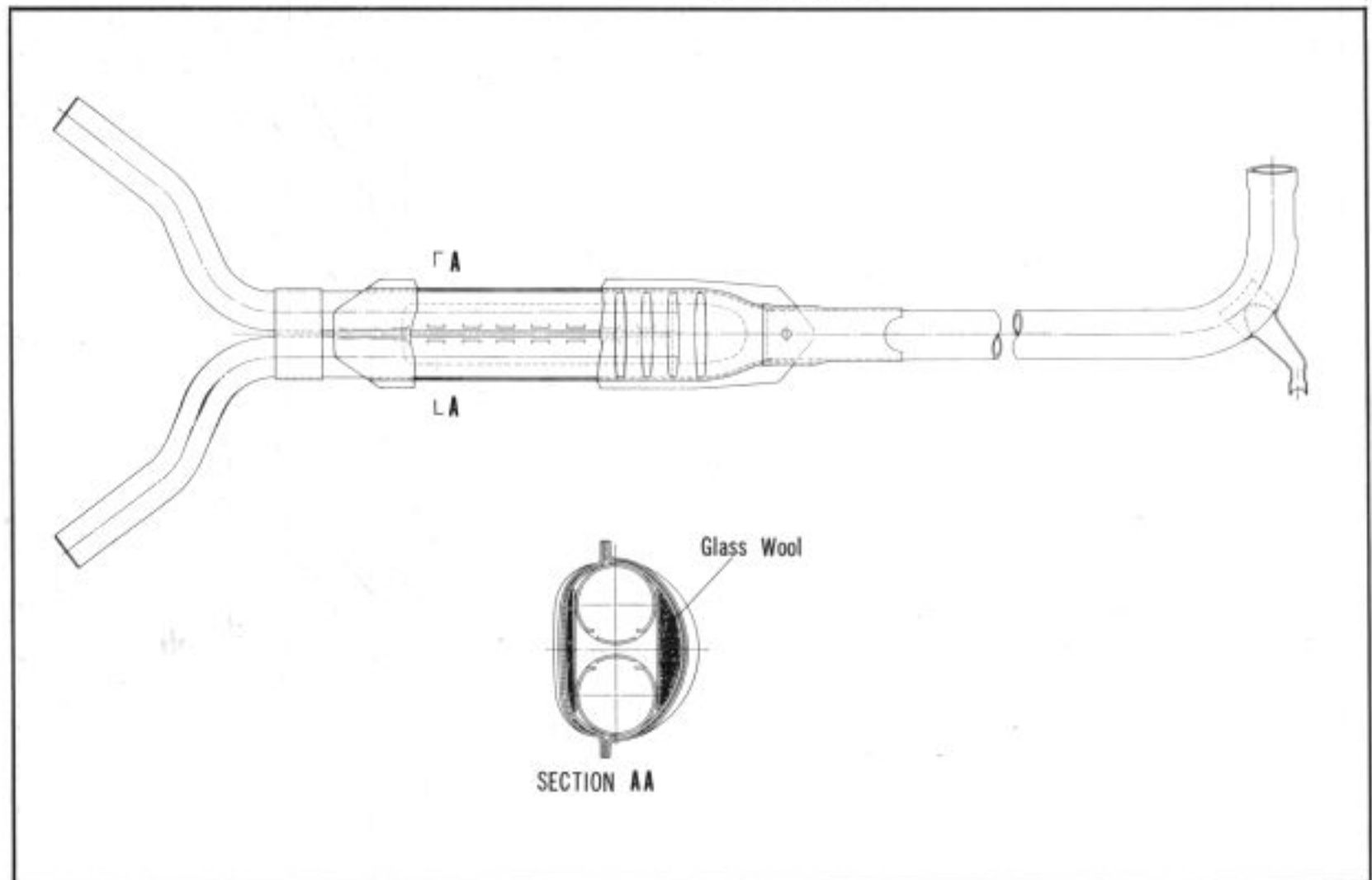


Fig. 15A-3 Primary Silencer



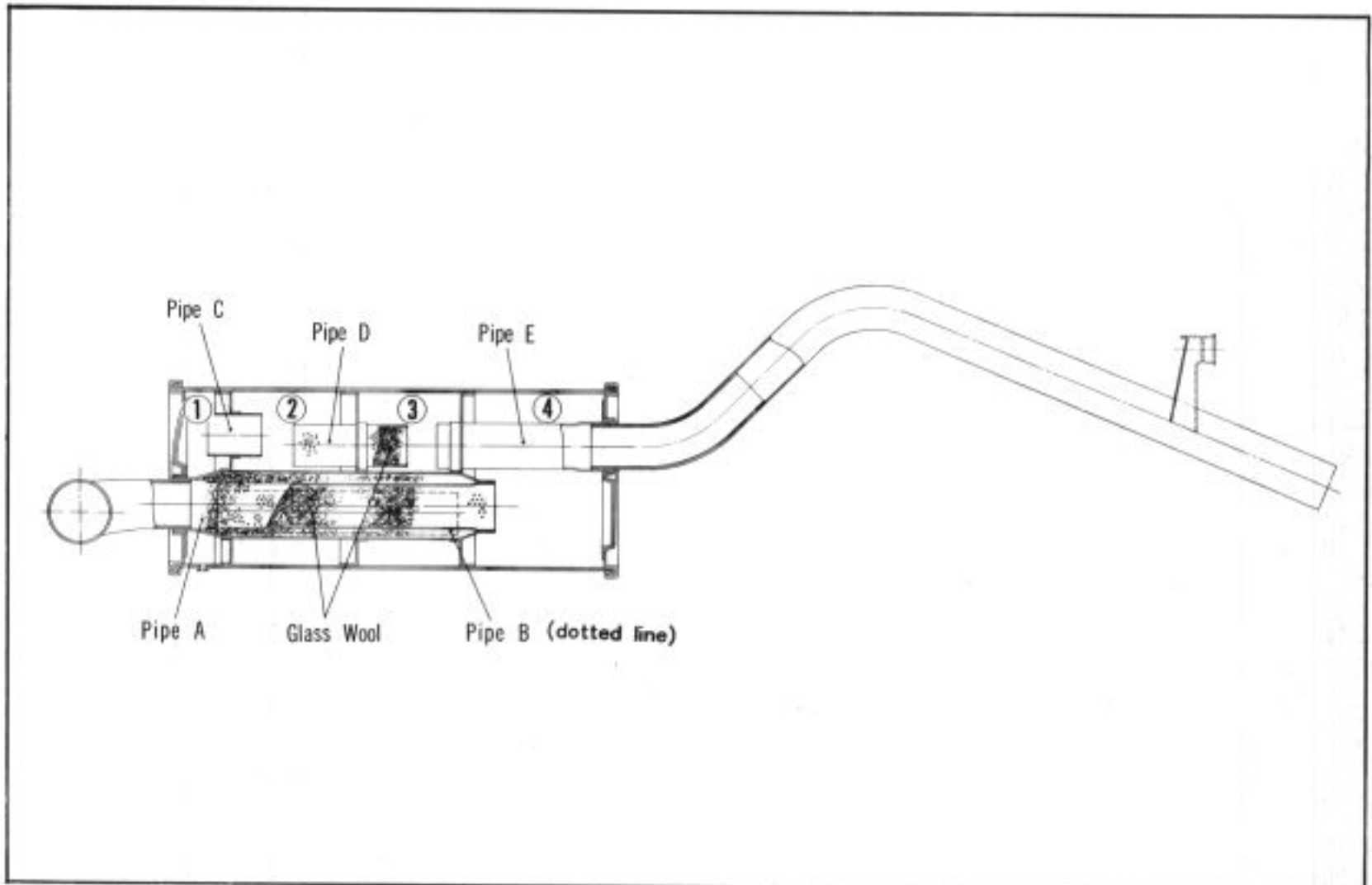


Fig. 15A-4 Main Silencer

## B. Maintenance

### a. Exhaust Pipe

1. The exhaust pipe is installed on the cylinder head through the flange, inserted into the primary silencer, and secured with a clamp. On the other hand, it is supported by the front engine support beam through clamp plate. Separate the clamp plate from the front engine support beam. Loosen the nut and remove the bolt, and the clamp plate can be freed from the exhaust pipe. (Fig. 15B-1)

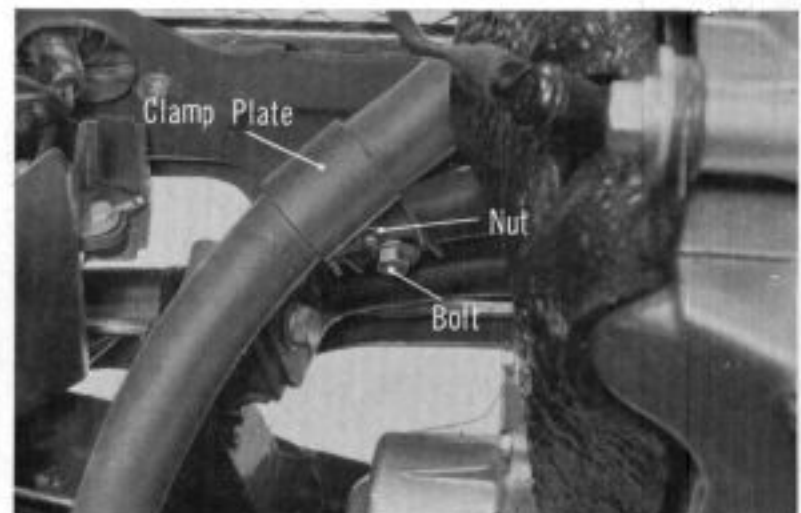


Fig. 15B-1

2. Remove the front grille and screen.
3. Remove the exhaust pipe installing nut from the cylinder head, and separate the exhaust pipe from the cylinder head.

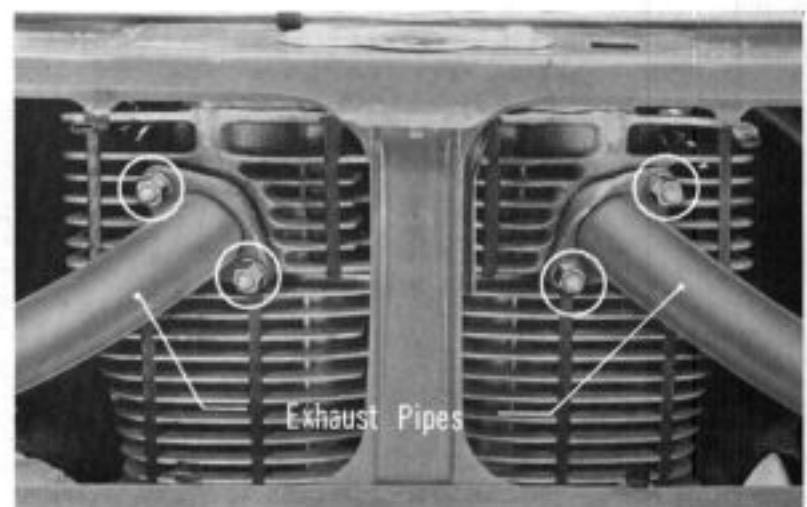


Fig. 15B-2

## 15-4 EXHAUST SYSTEM



Fig. 15B-3

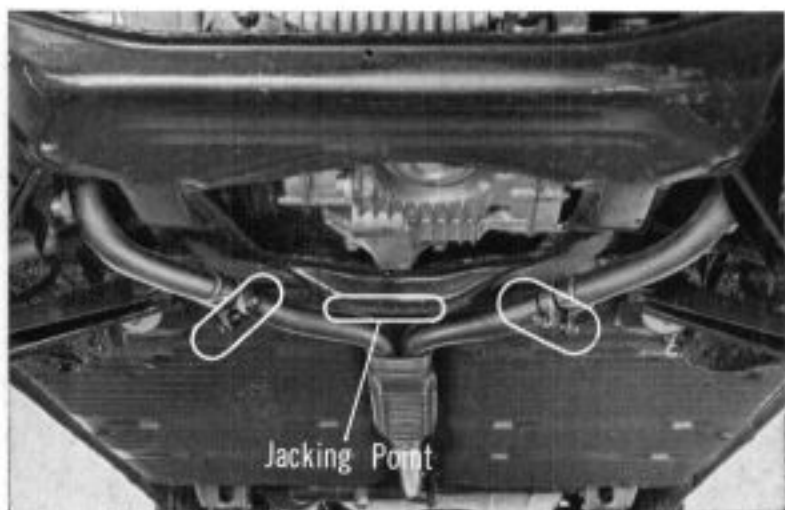


Fig. 15B-4



Fig. 15B-5



Fig. 15B-6

When reinstalling the exhaust pipe, replace the gasket with a new one and secure the exhaust pipe.

Tightening torque:

2.5 to 2.8 kg-m (18.1 to 20.3 lb-ft)

### b. Exhaust Silencers

1. Separate the primary silencer and exhaust pipe. Jack up the Vehicle and place supports beneath it. Do not place a support under the engine crankcase. Completely loosen the clamp bolt and move it from the inserted position.

Attach the exhaust pipe removing adaptor, (special tool). When installing the tool, pay special attention to its installing direction, since it has a stepped inside.

After securely installing the tool, knock the tool with the copper hammer, thus removing the exhaust pipe.

When reconnecting, use the special tool, exhaust pipe fitting driver and expand a little the joint lips (installing position). (Fig. 15B-7)

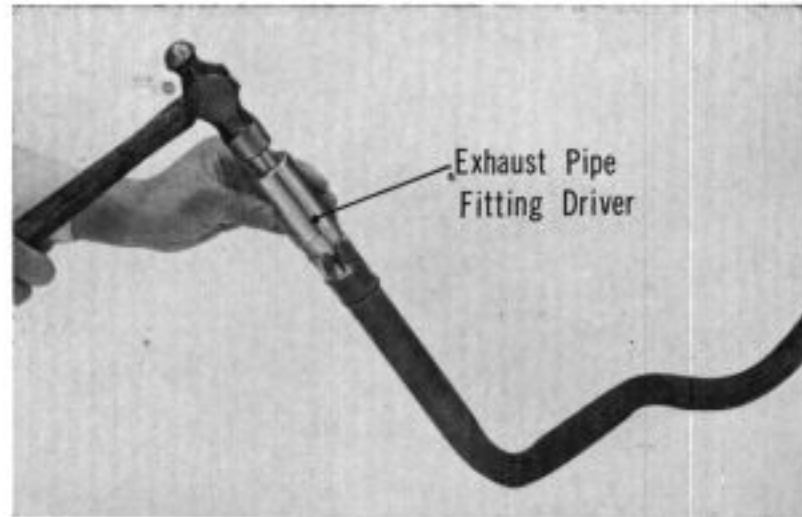


Fig. 15B-7

Apply liquid sealer on the pipe contact surface before connecting, and tighten the clamp bolt.

Clamp bolt tightening torque:

2.0 to 2.4 kg-m (14.5 to 17.4 lb-ft)

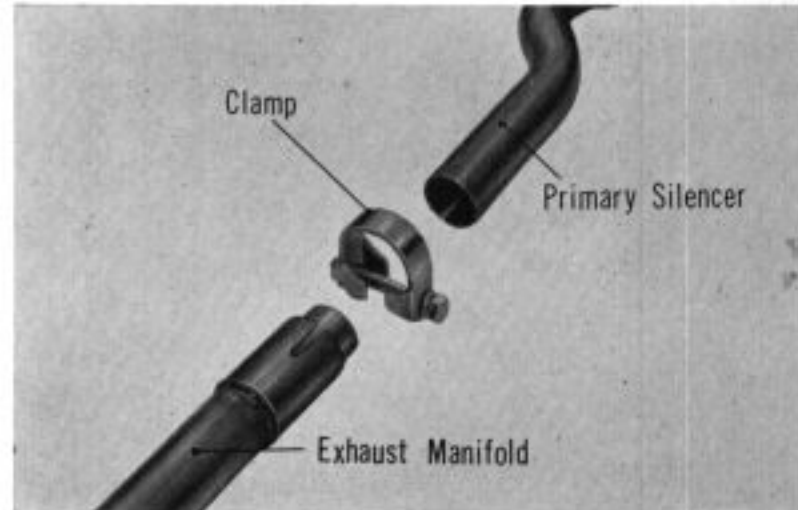


Fig. 15B-8

- The primary silencer is joined to the main silencer with a clamp, and supported by rubber ring.

Loosen the clamp bolt and pull out the primary silencer, and remove the rubber ring.

Clamp bolt tightening torque:

2.0 to 2.4 kg-m (14.5 to 17.4 lb-ft)

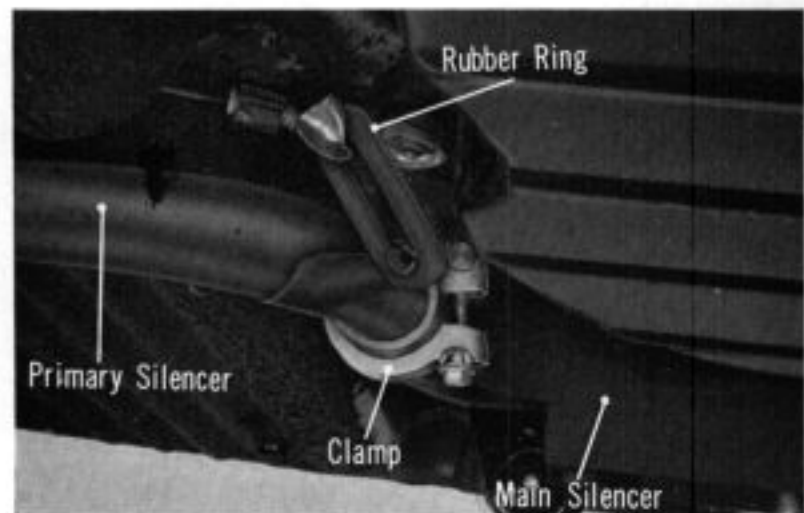


Fig. 15B-9

When reinstalling, remove the seized asbestos, and expand the primary silencer installing position by using a silencer fitting driver (special tool) on the main silencer. Install new asbestos and insert the primary silencer into position. If the rubber ring is loosened, twist it to be installed in a figure eight shape.

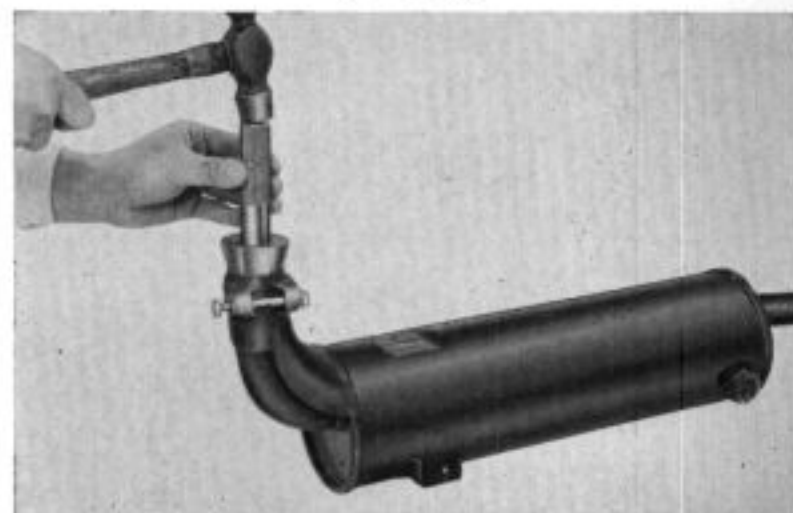


Fig. 15B-10

## 15-6 EXHAUST SYSTEM

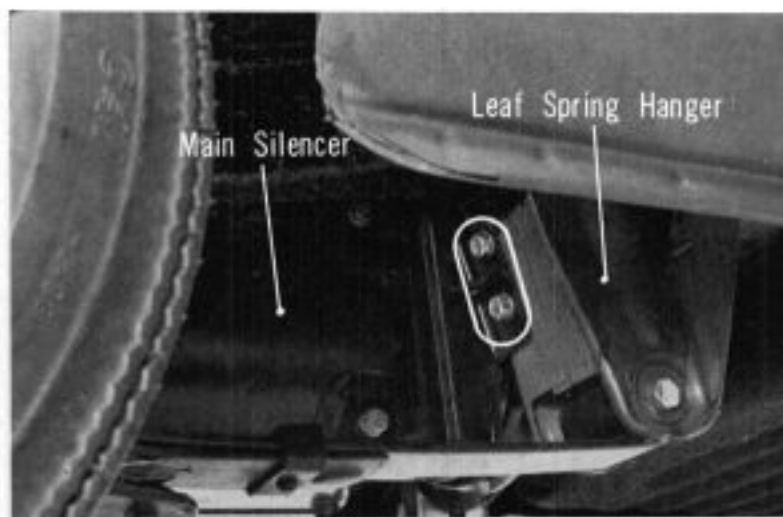


Fig. 15B-11

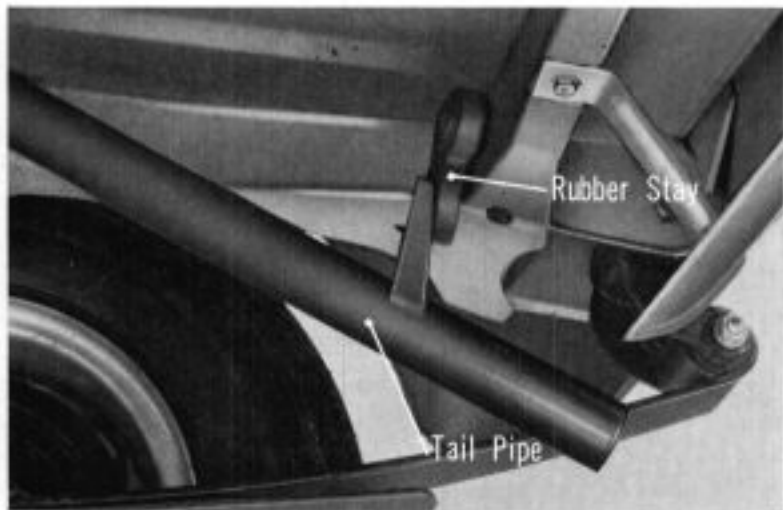


Fig. 15B-12

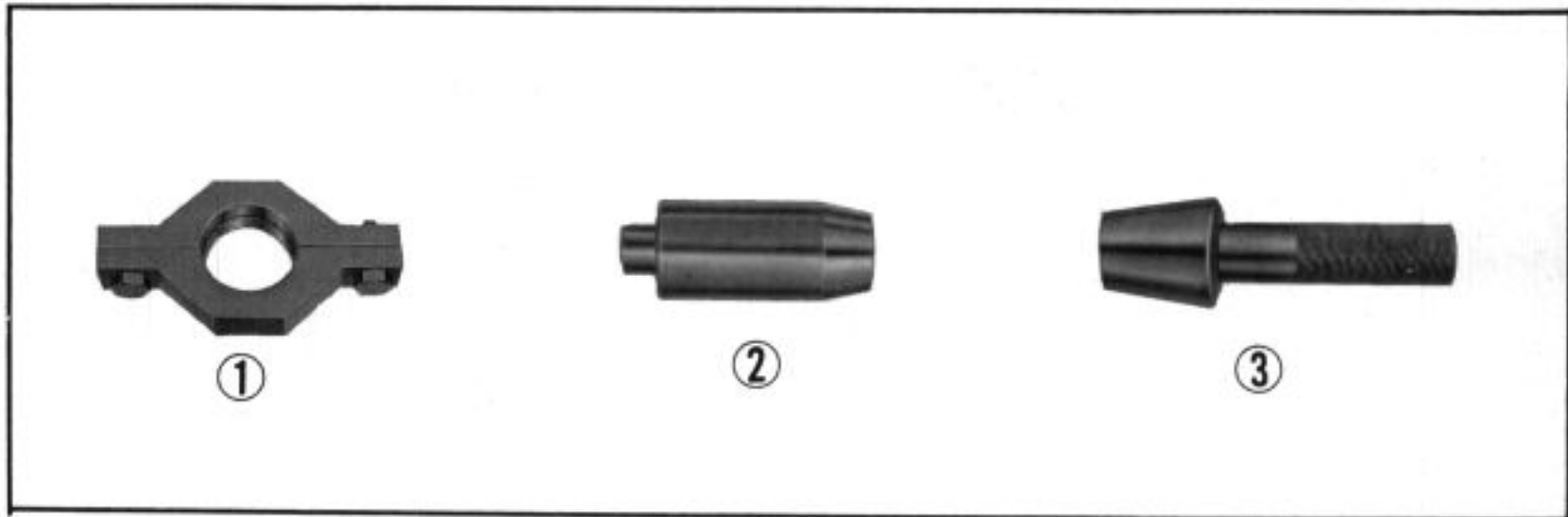
3. The main silencer is mounted on the spring hanger. Remove the two bolts.

Tightening torque:

2.0 to 2.4 kg-m (14.5 to 17.4 lb-ft)

4. When tail pipe rubber stay is removed, the silencer and tail pipe can be removed as a set.

## C. Special Tool



Ref. No.	Tool No.	Descriptio	360	600
			400	
1.	07066-55121	Exhaust pipe removing adaptor	○	
	07066-56811	Exhaust pipe removing adaptor		○
	07066-56812	Exahust pipe removing adapter		○
2.	07066-55101	Exhaust pipe fitting driver	○	
	07066-56801	Exhaust pipe fitting driver		○
	07066-56802	Exhaust pipe fitting driver		○
3.	07066-55111	Exhaust silencer fitting driver	○	○