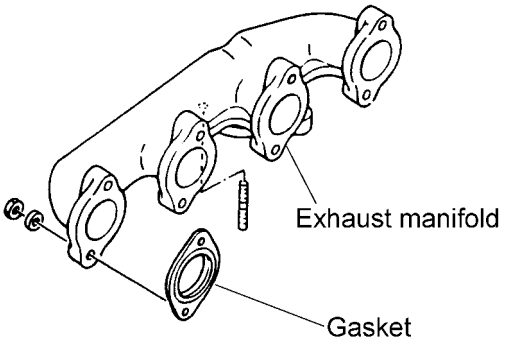
■EXHAUST SYSTEM

1. Exhaust Manifold

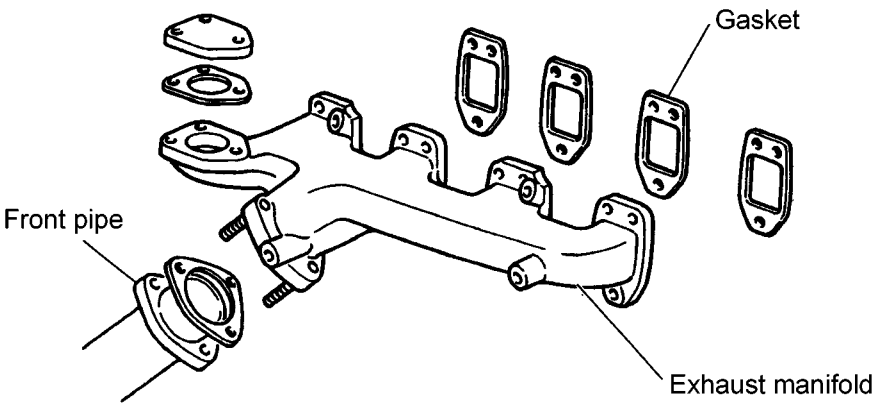
W04D-J

- The exhaust manifold is fabricated as an single integrated unit from cast iron with additional special components.
- Each port is equipped with a 3-ply stainless steel gasket.



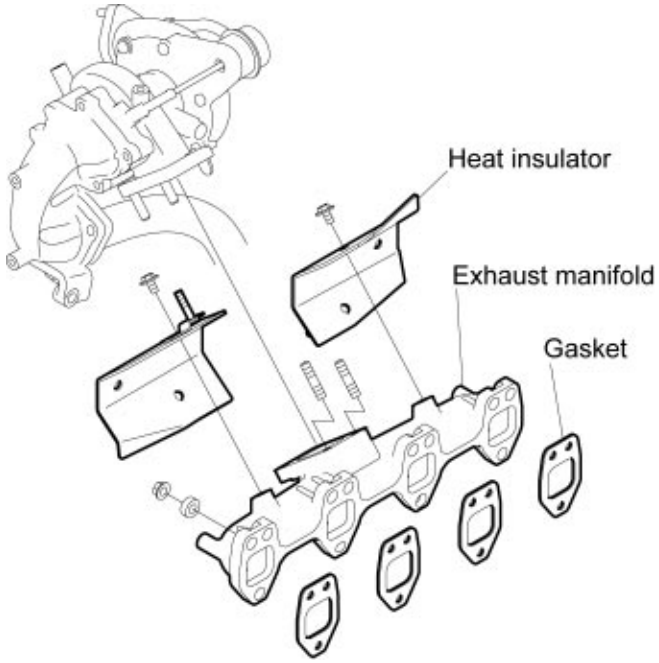
S05C-B

- A high-durability manifold was obtained by adding a special ingredient to its cast iron construction.
- Each port is equipped with a 5-ply stainless steel gasket.



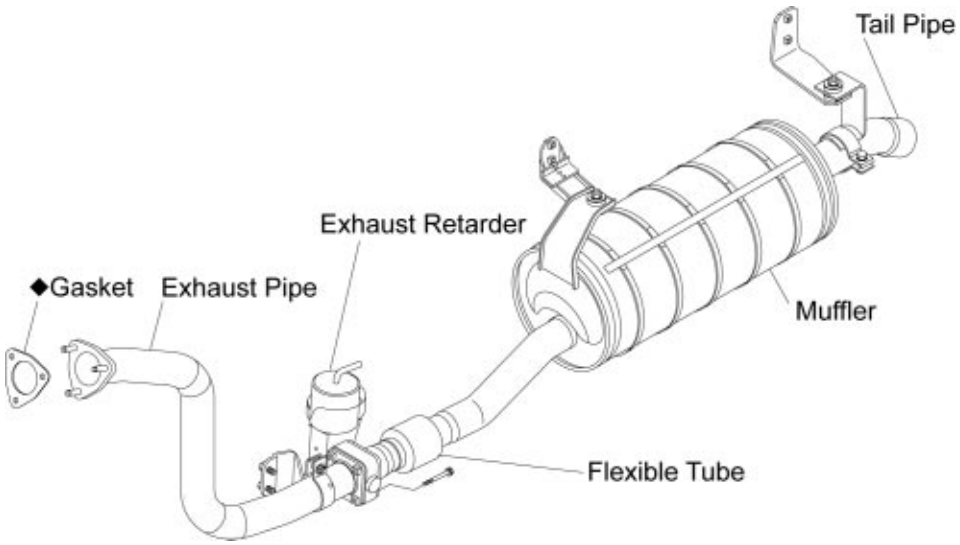
S05C-TA, S05C-TB

- A high-durability manifold was obtained by adding a special ingredient to its cast iron construction.
- Each port is equipped with a 5-ply stainless steel gasket.



2. Exhaust Pipe and Muffler

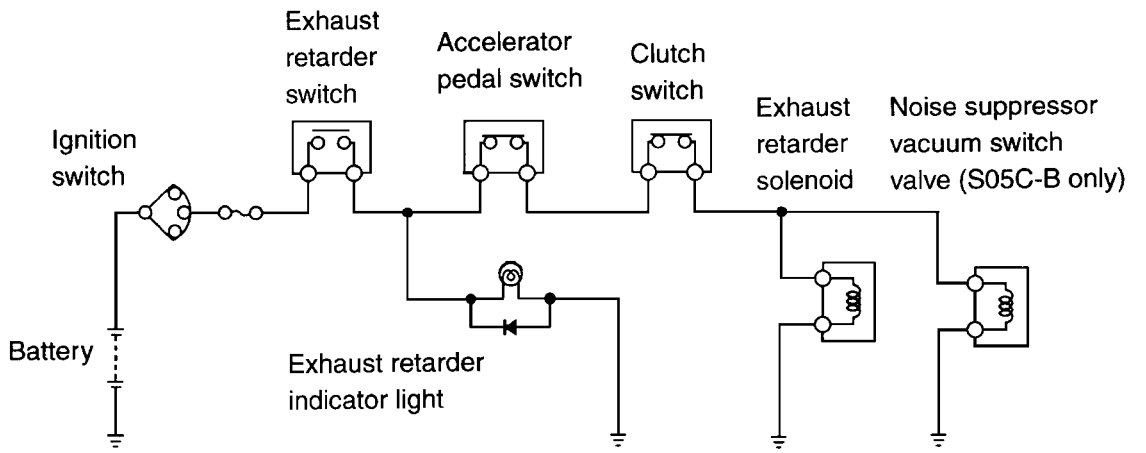
- The front pipe is made of stainless steel for reduced weight and superior corrosion resistance.
- A dia. ø 60.5 mm (2.38 in.) pipe is used as the center pipe to reduce back pressure and emissions. And the center pipe is equipped with a flexible tube to reduce its vibration.
- The muffler is a 17.8L (3.92 Imp·gal) round type. Back pressure and exhaust noise are reduced, as well as the muffler weight, by optimizing the muffler interior construction. The muffler unit is suspended from the vehicle body from two points at the front and rear, and the mounts were designed for durability and reduced vibration. (STD for Australia)



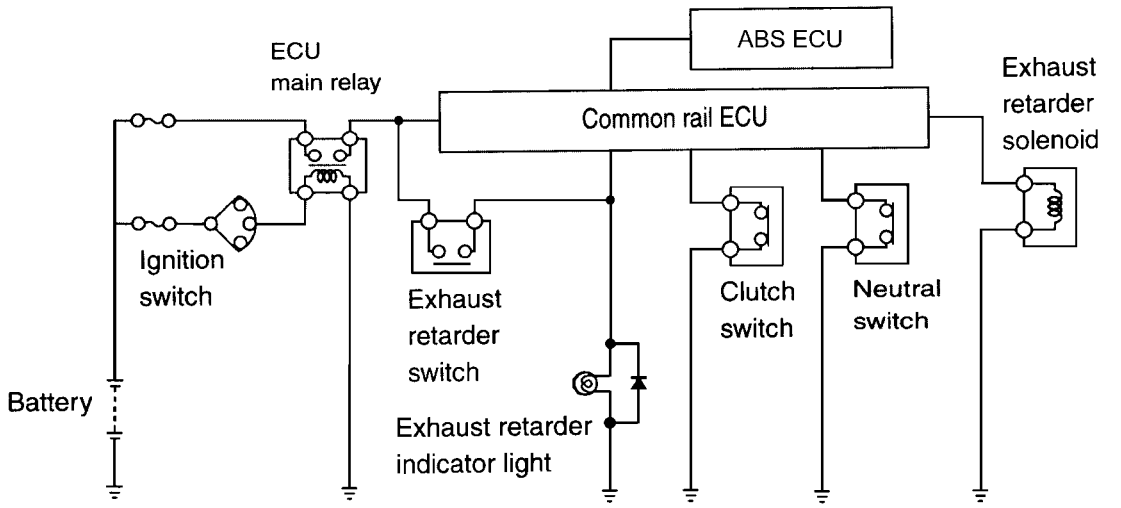
3. Exhaust Retarder

- The engine braking effect is boosted by closing a valve provided in the exhaust pipe and narrowing the exhaust gas passage.

W04D-J, S05C-B, S05C-TA



S05C-TB



▶ System Components and Specifications ◀

Component	Function
Exhaust Retarder solenoid	Switches between atmospheric pressure and negative pressure applied to the vacuum cylinder, opening and closing the exhaust retarder valve.
Exhaust Retarder switch	Pulling the exhaust retarder main switch (incorporated in the wiper control switch) toward you activates the exhaust retarder and causes the indicator light in the meter to come on.
Accelerator pedal switch	Detects acceleration according to accelerator pedal operation; depressing the accelerator pedal turns off current to exhaust retarder solenoid.
Clutch switch (M/T model)	Detects clutch engagement according to clutch pedal operation; depressing the clutch pedal turns off current to exhaust retarder solenoid.
Neutral switch	Detects engagement of neutral or any other gear.
Speed sensor	Built into speedometer; detects vehicle speed and feeds it to the ECU.

▶ Conditions Required to Activate Exhaust Retarder ◀

Condition	W04D-J, S05C-B, S05C-TA	S05C-TB
Exhaust Retarder switch is ON.	○	○
Clutch is not operating.	○	○
Accelerator is not operating.	○	○
Transmission is not in neutral.	—	○
ABS system is not operating.	—	○