

EMISSION CONTROL INFORMATION

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EMISSION CONTROL CARBURETOR COMPONENTS

The DR-Z400S is equipped with precision carburetors that control emission levels.

These carburetors require special mixture control components and precision adjustments to function properly.

There are several carburetor mixture control components in each carburetor assembly. Three jets (main, needle and pilot) are machined to much closer tolerances than standard machined jets. Do not replace these three jets with standard jets. To aid in identifying these jets, a different letter and number design is used. If replacement of the jets is needed, be sure to replace them only with the same type of jets as described below.

A jet needle with only one clip position, is also used. If jet needle replacement is necessary, only replace it with a jet needle of the same type. Suzuki recommends that Genuine Suzuki Parts be utilized whenever possible for the best possible performance and durability.

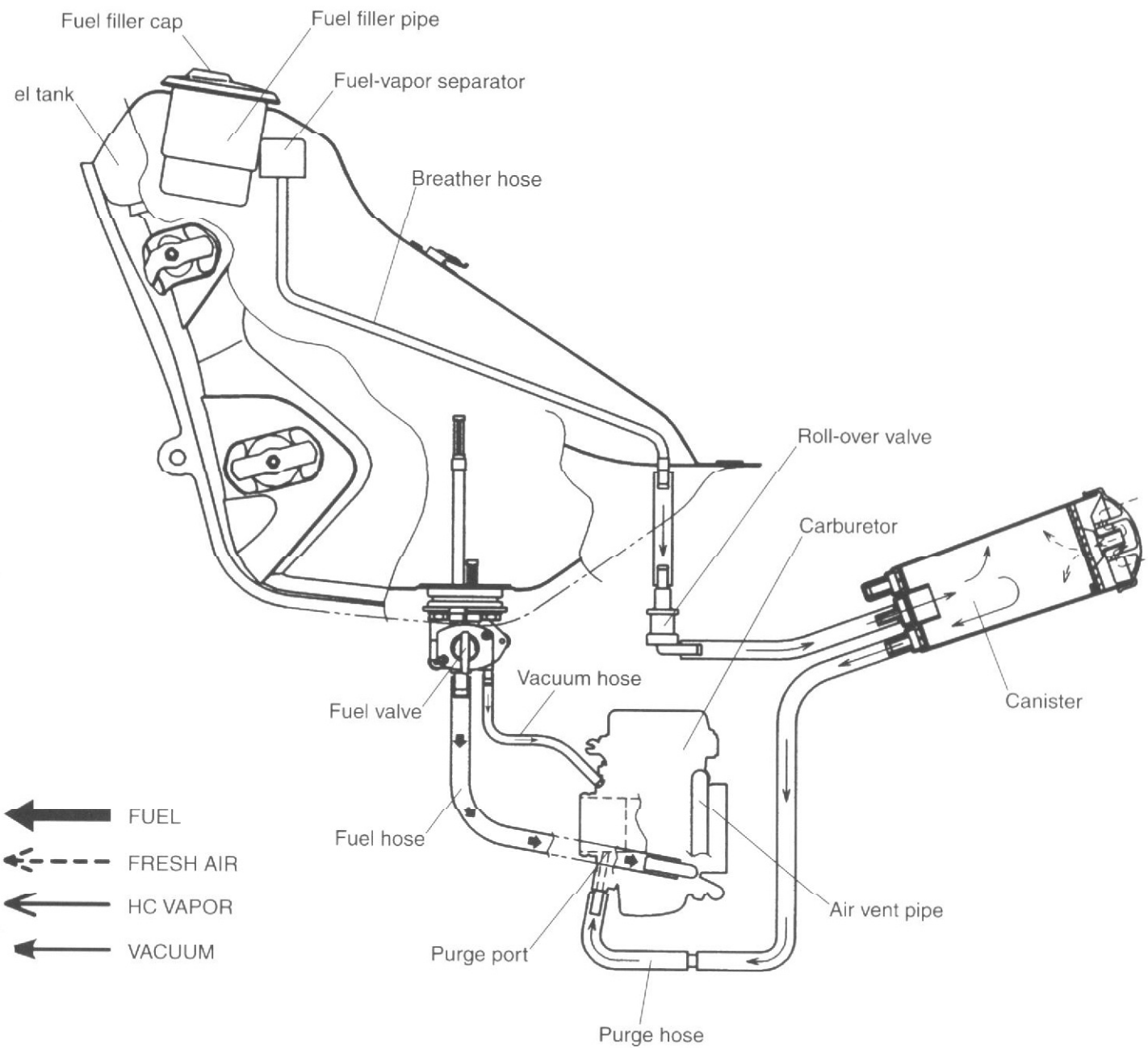
| | |
|--|----------------------------|
| Conventional figures used on standard tolerance jet components | 1 2 3 4 5 6 7 8 9 0 |
| Emission type figures used on close tolerance jet components | <i>1 2 3 4 5 6 7 8 9 0</i> |

The carburetor specifications for the emission-controlled DR-Z400S are as follows.

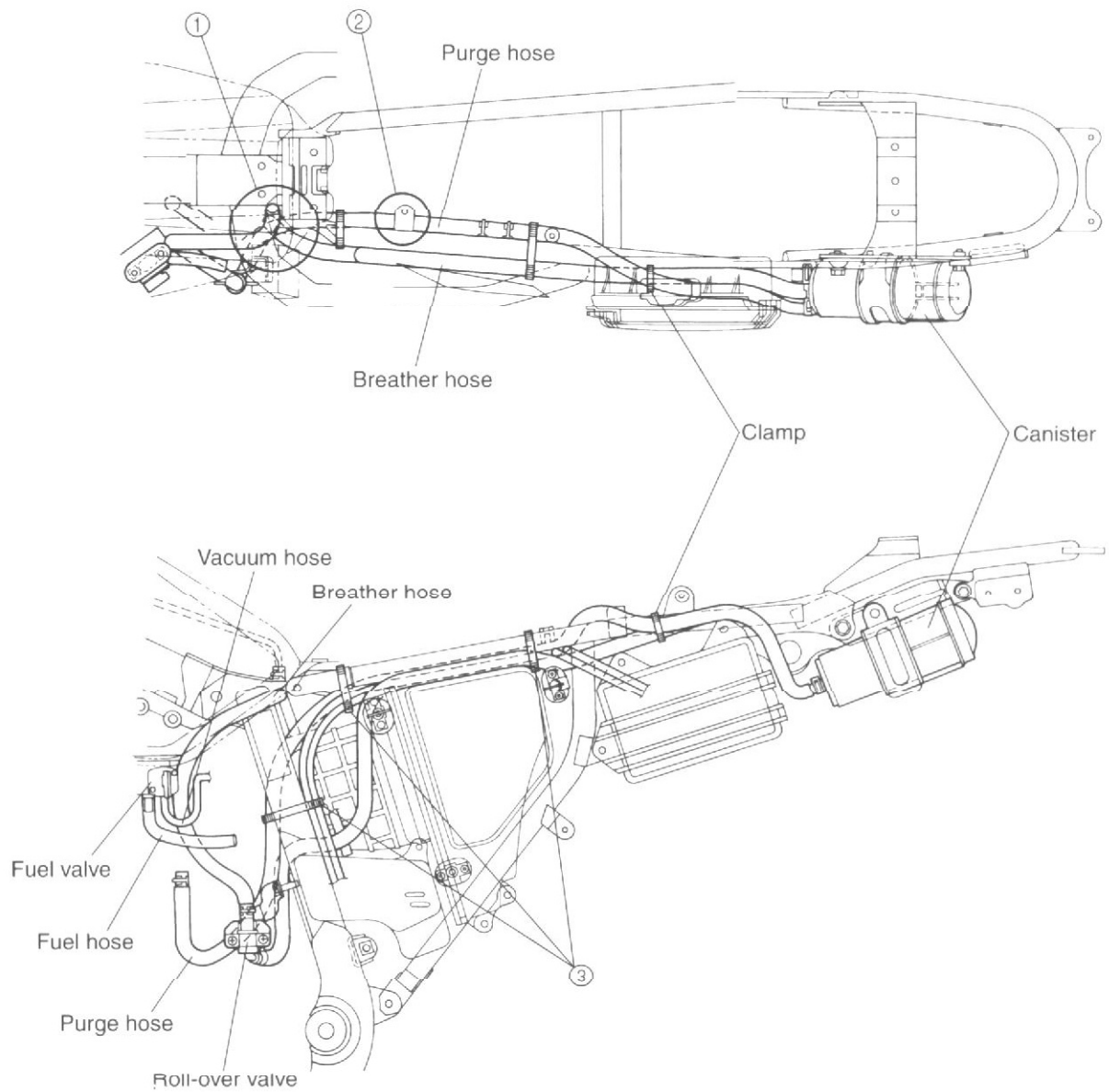
| Carburetor I.D. No. | Main Jet | Needle Jet | Jet Needle | Pilot Jet | Pilot Screw |
|---------------------------------|-------------|---------------|---------------|--------------|-------------------------|
| 29FC (California model only) | # 142.5 | P-DM | 5DH37 | # 22.5 | PRESET DO NOT ADJUST |
| 29FB | # 142.5 | P-DM | 5DH37 | # 22.5 | |

Adjusting, interfering with, improper replacement, or resetting of any of the carburetor components may adversely affect carburetor performance and cause the motorcycle to exceed the exhaust emission level limits. If you are unable to effectively repair this motorcycle, contact the distributor's representative for further technical information and assistance.

EVAPORATIVE EMISSION CONTROL SYSTEM (FOR E-33)



CANISTER HOSE ROUTING



- ① Set the formed side of the hose to the fuel tank and face the exhaust end of the hose to the left.
- ② Pass the purge hose under the frame air cleaner fitting bracket.
- ③ Clamp the hose with the wire harness.

INSPECTION

- Remove the fuel tank. (👉 4-2)

HOSES

Inspect the hoses for wear or damage. If any damages are found, replace the hoses with new ones.

Make sure that the hoses are properly connected.

CANISTER

Inspect the canister body for damage. If any damages are found, replace the canister with a new one.

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