**Reaction Fuel System Cleaner**

**Installation Instructions**

**For use with REACTION 1425 Vacuum Applicator**

*R100 is compatible with all vacuum and pressurized fuel system cleaning applicators. Please follow the instructions for the tool you are using.*

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www.reactionchemicals.com

**Note:** The service procedure will have greater results if the vehicle’s engine is warm before starting the procedure. Please read complete instructions before starting the procedure.

**Before Performing Procedure:**

- **Check Engine Oil**
- **Perform a visual inspection of the vehicle for fluid leakage.**
- **Perform a visual inspection for possible signs of overheating.**
- **Low Coolant Level, Weeping Radiator, Bulging or Leaking Radiator and Heater Hoses, Loose Clamps, Etc.**
- **Verify adequate ventilation.**
- **Verify that the vehicle is not making any underhood noises such as knocking or rapping.**

**Procedure 1—Throttle Body Cleaning with R110 Throttle Body Cleaner**

1. With engine off, disconnect air intake ducting at the throttle body. If the mass airflow sensor is located in the throttle body, you will see a screen in front of the throttle plate. If the mass airflow sensor is located in the throttle body, do not clean the throttle body. Skip to Procedure 2.
2. Spray R110 liberally into the throat of the throttle body. If the vehicle is drive by wire, follow the manufacturer’s recommended procedure for opening the throttle plate. If the throttle is mechanically activated, the throttle may be opened by hand. Allow the cleaner to soak for 2-3 minutes. Reapply as necessary to complete cleaning. A soft rag may be used to aid in cleaning. A wire brush is not recommended to prevent damage to coated throttle body parts.
3. Attach the bottle of R100 Fuel System Cleaner to the R1425 Vacuum Applicator.
4. Make sure the applicator hose is clear of all fan blades and moving parts.

**Procedure 2—Fuel Induction Service with R100 Fuel System Cleaner**

1. Hang the R1425 Vacuum Applicator from a convenient spot on the underside of the hood.
2. Locate a vacuum port as close as possible to, but downstream of the throttle plate.
3. Attach the bottle of R100 Fuel System Cleaner to the R1425 Vacuum Applicator.
4. Caution: Keep all loose articles away from moving parts.
5. Start engine to clear any excess cleaner from the intake manifold.

**Procedure 3—Fuel System Cleaning with ET100 Fuel System Cleaner**

1. Add one bottle of R100 Fuel System Cleaner to the fuel tank. If product gets on vehicle, wipe away immediately. There is no minimum amount of fuel required to be in the tank when adding the product.
2. Make sure fuel filler cap is tight. A loose fuel cap can cause false trouble codes.

**Notice:** During and After Installation: White Smoke is normal from the exhaust for a few miles. This should clean up during a normal road test.