



**Technical Service
BULLETIN**

October 13, 2005

Title:

FUEL INJECTOR CLEANING

Models:

'90 – '06 Toyota & Scion Models With
Port Electronic Fuel Injection

REVISED

PG011-05

PRODUCT GENERAL INFORMATION

TSB REVISION NOTICE:

- **June 9, 2006:** In the Required Tools & Material section, part numbers have been updated (TYG S-Line Device and Toyota Adaptor Pak), and the note with ordering information has been updated.

Previous versions of this TSB should be discarded.

Introduction Due to fuel quality concerns, some Toyota and Scion vehicles with Port Electronic Fuel Injection may experience clogged or blocked fuel injectors. The following procedure has been developed to clean the fuel injectors.

- Applicable Vehicles**
- All 1990 – 2006 Toyota and Scion models equipped with Port Electronic Fuel Injection (EFI).

**Required
Tools &
Material**

| TOOLS & MATERIAL | PART NUMBER | QUANTITY |
|--|----------------|----------|
| Throttle Plate Cleaner (14 oz.) | 00289-1TP00 | 1 |
| TYG S-Line Device | 00289-1PF00-01 | 1 |
| Toyota Adaptor Pak | 00289-1PF00-02 | 1 |
| EFI Cleaner (14 oz.) | 00289-1PF14 | 1 |
| Non-Pressurized Fuel Injector Cleaner – Fuel Tank Additive | 08813-00080DS | 1 |

NOTE:

Tools and chemicals listed above may be ordered through the Toyota parts ordering system. For additional information, contact your local Parts Research Analyst.

**Warranty
Information**

| OP CODE | DESCRIPTION | TIME | OFF | T1 | T2 |
|---------|----------------------------|------|-----|----|----|
| N/A | Not Applicable to Warranty | – | – | – | – |



**Repair
Procedure**

1. If the fuel injector nozzles are visibly blocked or if the injectors do NOT pass the fuel injector volume test, complete the fuel injector power flush using the following instructions:
 - A. Before an injector cleaning is performed, it is recommended that the following items be cleaned with Toyota Throttle Plate Cleaner (P/N 00289–1TP00):
 - Idle air control device
 - Throttle plate (both sides if possible)
 - Throttle body
 - B. Bring the engine to operating temperature.
 - C. Disconnect the fuel pump electrical connector.
 - D. Start the engine. After the engine has stalled, turn the ignition switch OFF.
 - E. Disable the fuel return line by blocking the line or installing the appropriate plug in the return outlet, if applicable.

NOTE:

Do NOT clamp plastic lines.

- F. Install the device adapter to the fuel line and then secure the swivel fitting on the end of the hose.
 - G. Make sure the ball valve on the device is turned OFF (valve handle is crosswise to device). Screw the can of EFI cleaner (P/N 00289–1PF14) onto the device can adapter.
 - H. Open the valve on the device, start the vehicle, and allow it to run until the engine stalls.
 - I. Turn the ball valve OFF and remove the empty can.
 - J. Place a shop towel over the can adapter and slowly open the ball valve to depressurize the system.
 - K. Remove supply and return line adapters, reconnect vehicle fuel supply and return lines (replacing any fuel line gaskets and seals), and connect the fuel pump electrical connector.
 - L. **Before starting the vehicle, pressurize the fuel system and check for leaks.** Run the engine for 4 – 5 minutes, and then snap the throttle several times to dislodge any carbon that may remain in the system.
2. Add 1 can of Toyota Non–Pressurized Fuel Injector Cleaner — Fuel Tank Additive (P/N 08813–0080DS) to the fuel tank.
 3. Road test the vehicle to verify normal operation.