# INSTALLATION MANUAL

# PTUNING FR-S/BRZ

# ELECTRONIC BOOST CONTROL SOLENOID

## 2013+ Scion FR-S | 2013+ Subaru BRZ | 2017+ Toyota 86

## Part #: PTP-ENG-90070-EBCS

**ELECTRONIC BOOST CONTROLLER PARTS LIST:**

| PART #: | Qty/Pkg | DESCRIPTION |
|---|---|---|
| PTP-ENG-90070-EBCS | 1 | PTUNING Electronic Boost Control Solenoid (FRS/BRZ) (3-Port, 12V) (w/Subaru Evap Male Plug) |
| PTP-FAS-90009-12 | 1 | M6 -1.0 x 12mm Hex Flange Bolt (JIS Class 10.9) (Zinc) |
| PTP-FAS-90033-4 | 4 | 4" Nylon Cable Tie (Black) |
| PTP-HSE-10002-02BK | 1 | PTUNING High Temperature Silicone Vacuum Hose, 6mm ID x 11mm OD (Black, 72" Long) |
| PTP-CLP-90014-11 | 4 | PTUNING 11mm Spring Hose Clamp (Dacromet Plated) |
| PTP-PRO-DECAL-01 | 2 | PTUNING White 9" x 1" Vinyl Window Decal |

## PKG-PTP-ENG-90070-1

## Section 1: Installation

1. Assemble the fittings on the electronic boost control solenoid as best to fit your application. Please refer to figures 2.1 – 2.3 for routing diagrams and port configurations.

2. Locate the driver's side port injector cover plate (Figure 1.2).

Figure 1.1

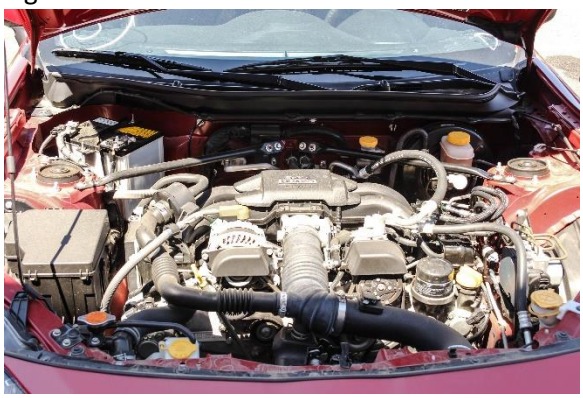
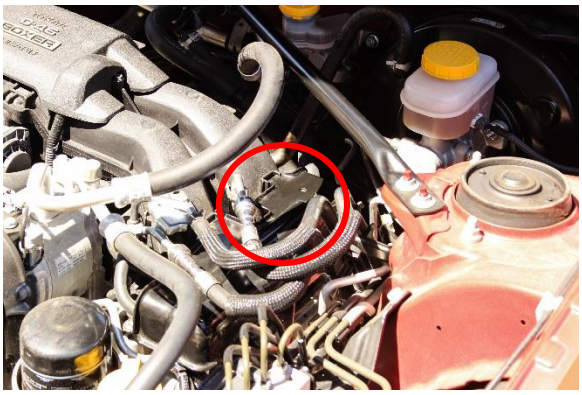


Figure 1.2

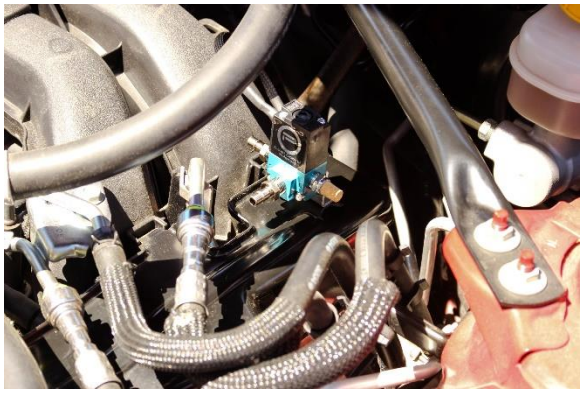


3. Locate the available M6 hole on the cover plate (Figure 1.3).

Figure 1.3

4. Install the EBCS with the provided M6 x 1.0 bolt (Figure 1.4). Orient the unit as best to fit your application.

Figure 1.4



5. Locate the connector for the purge solenoid (Figure 1.6).

Figure 1.5

Figure 1.6

6. Disconnect the purge solenoid (Figure 1.7).

Figure 1.7

7. Connect the EBCS into the purge solenoid connector (Figure 1.8).

Figure 1.8

8. Route and install the supplied high temperature silicone wastegate vacuum lines to barb fittings on the EBCS as to best fit your application. Secure each end of the silicone vacuum lines on the barb fittings using the supplied spring hose clamps. Please refer to figures 2.1 for routing diagrams and port configurations.

## Section 2: Port Configuration and Line Routing

- Port #1 of solenoid (vent to atmosphere with breather filter)
- Port #2 of solenoid to bottom port of WG
- Port #3 of solenoid to turbo compressor outlet or charge pipe (pressure reference)