

## ENGINE TECH TIPS

### Subject:

### INJECTOR CLAMP BOLT TIGHTENING TORQUE AND PROCEDURE

#### 1. RELEVANT MODELS:

All 2005MY thru 2016MY J05 and J08 Engines.

#### 2. COMPLAINT:

Stretching and breaking of the injector hold down bolt.

#### 3. CAUSE/CONDITION:

Because of oil being trapped in the injector hold down mounting hole the bolt reaches its tightening torque before the injector is secured properly.

#### 4. CORRECTION:

Using compressed air carefully remove any oil or debris inside injector hold down mounting hole.

It is recommended to replace the bolt and torque to proper specifications. Replace the leak pipe, sealing washers/gaskets anytime they are removed.

### **CAUTION:**

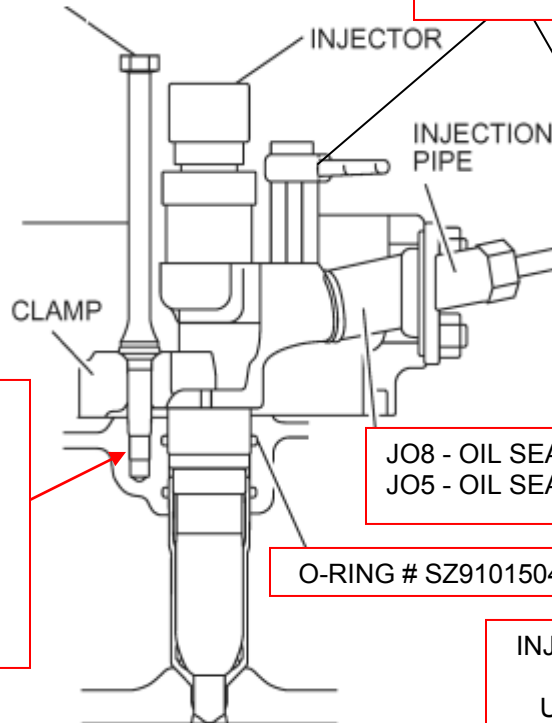
**The injector fuel return line bolt is a different thread pitch than the union fuel return line bolt.**

**!!!! DO NOT MIX UP !!!!**

## ENGINE TECH TIPS

HOLD DOWN BOLT # SZ91024336

RETURN LINE  
JO8 GASKET # SZ20908024 (QTY= 6)  
JO8 GASKET # SZ43008012 (QTY= 1)  
JO5 GASKET # SZ20908024 (QTY=5)



**NOTE:**

Carefully using compressed air clean out any oil or debris from injector hold down mounting hole in cylinder head.

JO8 - OIL SEAL # S237451020  
JO5 - OIL SEAL # S230741070

O-RING # SZ91015047

INJECTOR RETURN LINE BOLT # S228351570  
UNION RETURN LINE BOLT # SZ40108003

Assemble the injection pipe temporarily, and tighten the injector hold down bolt to the specified torque.

Tightening torque:  
25 N·m {250 kgf·cm, 18 lbf·ft}

Tighten the nut of the injection pipe to the specified torque.

Tightening torque:  
44 N·m {450 kgf·cm, 32 lbf·ft}

Install the return line with new gaskets (Qty 7 - JO8, Qty 5 - JO5) and tighten the joint bolts to the specified torque.

Tightening torque:  
12.3 N·m {125 kgf·cm, 9 lbf·ft}

**CAUTION:**

The injector fuel return line bolt is a different thread pitch than the union fuel return line bolt. !!!! DO NOT MIX UP !!!!