

## Inspection Procedure

### A. Inspection Procedure

The fuel injection pump must be inspected to determine which design pump is installed on the vehicle. Older design pumps have an Asymmetrical design internal cam. The newer design pumps have a Symmetrical design internal cam. The design of the pump will determine which calibration will need to be programmed into the PCM. From outward appearance both pumps look identical, with the exception of specific identification marks machined into the body of the pump.

1. Inspect the fuel injection pump to see which pump the vehicle has.
- Vehicles with the new style **Symmetrical** pump will have one large single dot embossed in the pump housing (Figure 1).



Figure 1 – Symmetrical Fuel Pump

**Inspection Procedure [Continued]**

- For vehicles equipped with a **Symmetrical** pump, choose the calibration labeled **Symmetric**, or **Sym Pump** (Figure 1).
- Vehicles with the old style **Asymmetrical** pump will have multiple dots embossed in the pump housing (Figure 2).
- For vehicles with an **Asymmetrical** pump, choose the calibration labeled **Asymmetric** or **Asym Pump** (Figure 2).

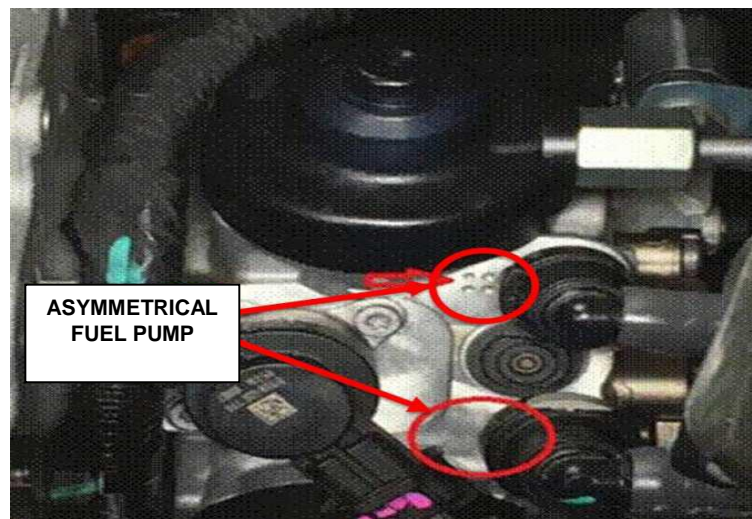


Figure 2 – Asymmetrical Fuel Pump

2. Proceed to section **B. Reprogramming the PCM Procedure**