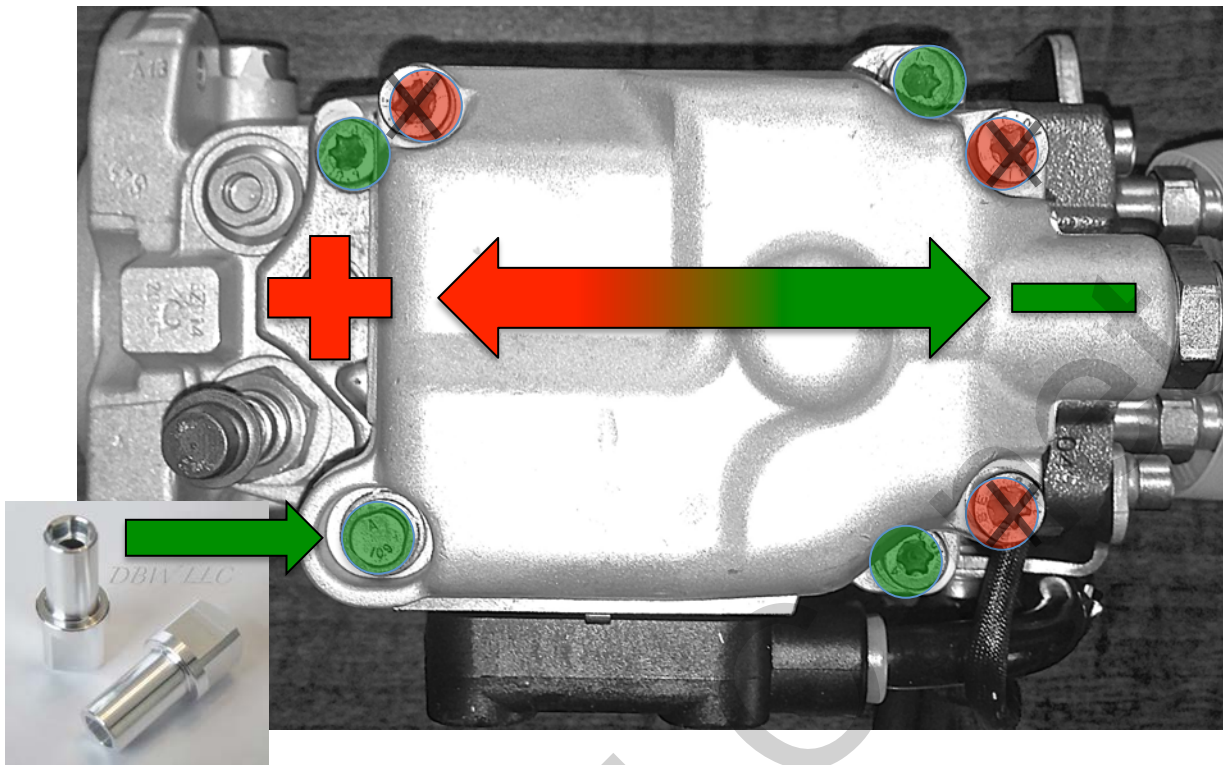


# DBW LLC – IQ Adjustment Procedure



- 1) Start car, and connect VCDS, with the engine running and warmed up continue the following steps.
- 2) Break loose the **three Torx bolts** and snug 1/8<sup>th</sup> of a turn to prevent leaking, the internal o-ring provides the seal for this procedure.
- 3) Using the special tool, break loose the **security bolt** and snug 1/8<sup>th</sup> of a turn to prevent leaking.
- 4) Place computer or have a helper hold it so you can read the IQ values.
  - a) Select "Engine", let program connect to ECU (10 seconds or so)
  - b) Select "Adaptation", enter access code "12233", screen will return to the Engine page.
  - c) Re-select "Adaptation, then select block "1"
  - d) Insure that the "IQ" adaptation default value is set to "32768" (Default)
- 5) With Data Block 1 still selected, tap the pump head with a rubber mallet Left or Right as needed to shift the head position to achieve the desired "IQ" Value.
- 6) Suggested Values:
  - a) **NOTE: A lower value INCREASES fuel delivery, a higher value LOWERS fuel delivery.**
  - b) Non-Race DLC and Power Plus "357, 520" series nozzles: **2.8 to 5.0**
  - c) All other nozzles including DLC, Power Plus & Race series e.g. "1019, 764, R-520 etc.": **5.0-7.5**
- 7) Re-tighten the pump head bolts (**MAXIMUM 10Nm**) **DO NOT over-torque**, then test-drive the car.
  - a) Under full load (third gear) you should only see a light "haze" in the mirror.
  - b) Some light smoke may be visible under initial acceleration until turbo is "on-boost" with larger high flow nozzle types.
  - c) If you see dark or visible smoke under full throttle, increase the IQ value further in 1.0 increments
  - d) The lighter the haze or lack of any visible haze indicates an ideal fueling value.
- 8) Inspect for leaks and the procedure is complete.