



Technical Service Bulletin

Reference: ICOM-TSB13-007	Date: 8/15/2013
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Pressure Regulator Adjuster Installation

UNITS AFFECTED:

ICOM JTG Liquid Propane Injection Systems not equipped with the adjustable regulator.

SERVICE INFORMATION:

This bulletin provides information on how to update the regulator with the fuel pressure adjuster.

PURPOSE:

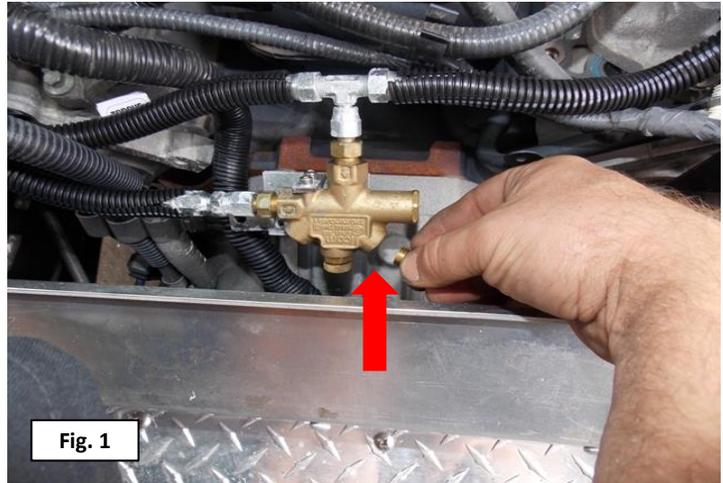
To allow manual adjustment of the regulator to achieve proper fuel pressure for optimum performance.

ACTION:

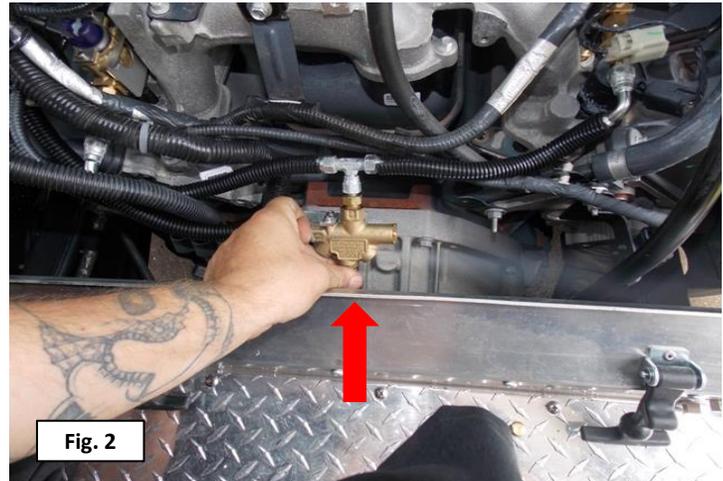
Review Service Procedure - Attachment 'A'

1. Using a 16mm wrench, carefully loosen and remove the pressure gauge port fitting from the regulator. Set fitting aside for later re-installation.

(Fig. 1)



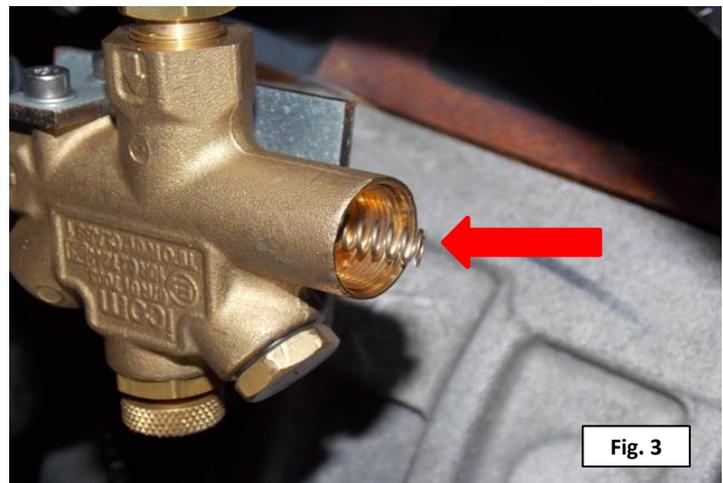
2. Slowly rotate the knob on the top of the regulator 'counter clockwise' to open the valve to the pressure gauge port and relieve the propane pressure in the return hoses. (Fig. 2)



3. Using a 20mm wrench, carefully loosen, remove and discard the fitting on the regulator adjacent to the pressure gauge port.

(Note - Do not remove the spring or piston inside the port)

(Fig. 3)

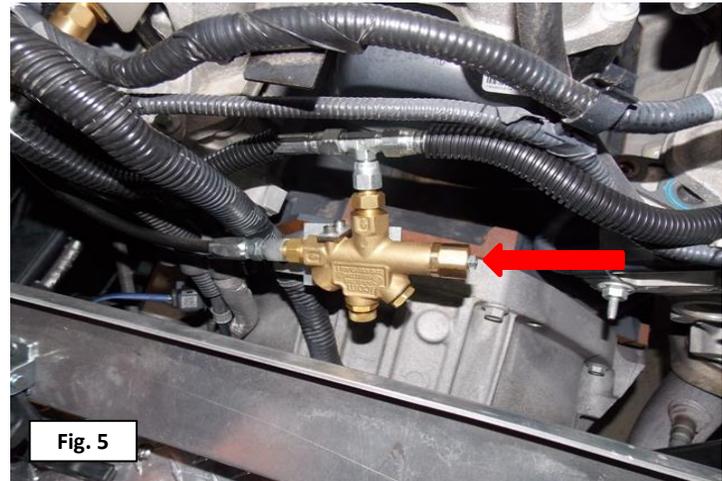


4. Obtain the regulator adjuster

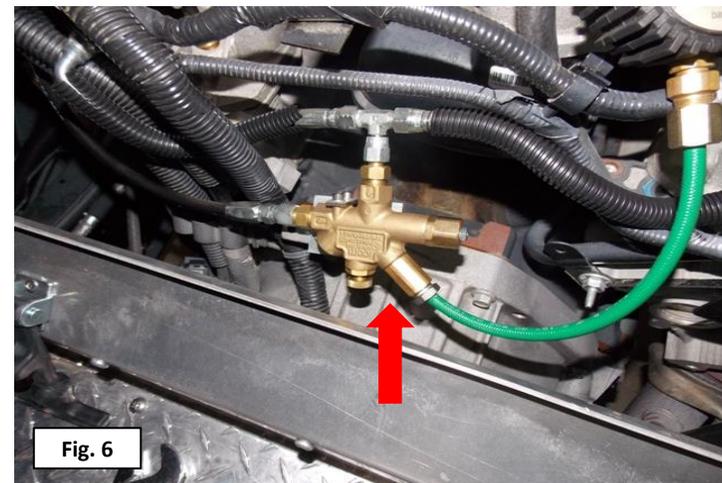
- Lubricate the o-ring on the regulator adjuster with 10w30 motor oil
- Align and seat the spring onto the center adjuster post as shown (Fig. 4)



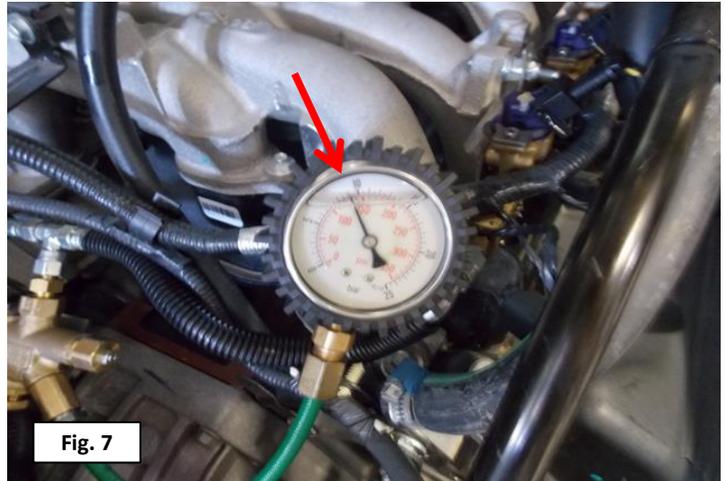
5. Using a 20mm wrench, install and fully tighten adjuster into regulator



6. Install and fully tighten the pressure gauge fitting into the regulator as shown. (Fig. 6)



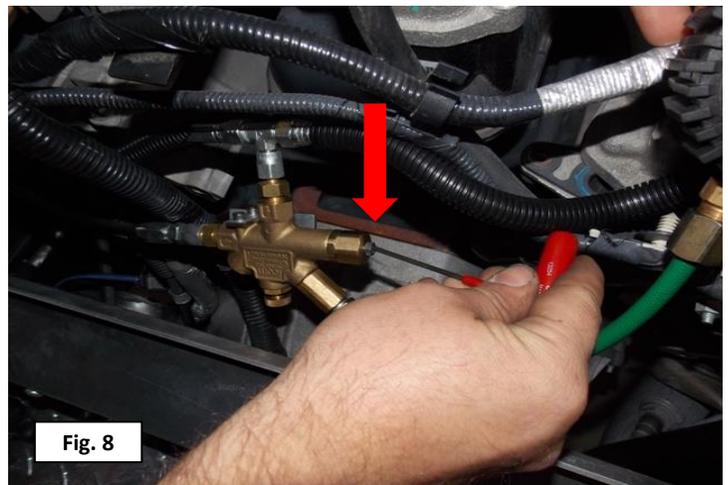
7. Cycle the ignition key to the 'on' position for a few seconds and then cycle the key back to 'off' to pressurize the system (**Note the tank pressure reading on the gauge**)(Fig. 7)



8. Start the vehicle and check the fuel pressure on the gauge (**Note tank pressure should be 3.5 bar above the starting tank pressure that was noted in previous Step #7**)

9. If the fuel pressure is reading 3.5 bar, proceed to Step # 12

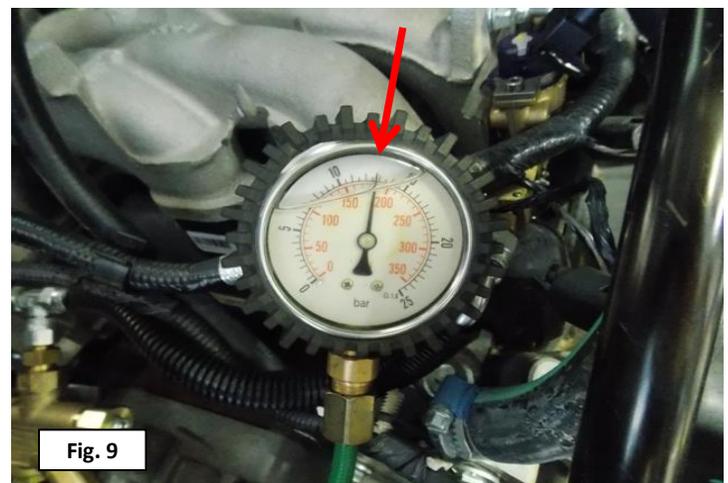
If the fuel pressure is below 3.5 bar, proceed to next step



10. Obtain the following tools:

- 8mm wrench
- 2.5mm allen wrench

11. Using the 8mm wrench, carefully loosen the nut on the regulator adjuster; using the 2.5mm allen wrench while the vehicle is running, slowly tighten the set screw until the pressure gauge reading is 3.5 bar above the starting tank pressure; tighten the nut to lock the set screw in place (Fig. 8 & Fig. 9)



12. Turn vehicle 'off'

- Rotate knob on top of regulator 'clockwise' to close the valve to the pressure gauge port
- Remove pressure gauge from regulator
- Using a 16mm wrench, install and fully tighten pressure gauge port fitting into regulator

(Fig. 10)

