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Coding Information

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Title: Injection Pressure Regulator (IPR) Pigtail

Applies To: MaxxForce 07-09 and 2010 DT, 9, & 10 engine builds and later (ESN 3000000 to 3999999)

2010 and later Maxxforce DT, 9 and 10 Engines

ESN 3300000-and up

IPR KIT 1889325c94

- A new IPR Kit has been released. The new style has a remote mounted connection 7 inches from the IPR valve (figure 2).
- **The connection at the IPR valve is no longer serviceable and disassembly should not be attempted (figure 2).**
- The kit includes a new IPR valve, IPR pigtail, zipties, butt connectors, convolute, and directions for installing the new IPR (figure 3).
- The IPR Solenoid needs to be clocked properly, refer to the included instruction sheet for proper installation.
- The new style IPR requires the use the new tool 12-800-01(see figure 4 below)
- Tool instructions are available on the Service Tool Resource Center (TL2900008).



Figure 1: IPR with new connector.



Figure 2: IPR With new connector

1. Not servicable: Do not attempt to disconnect
2. Remote mounted connector.

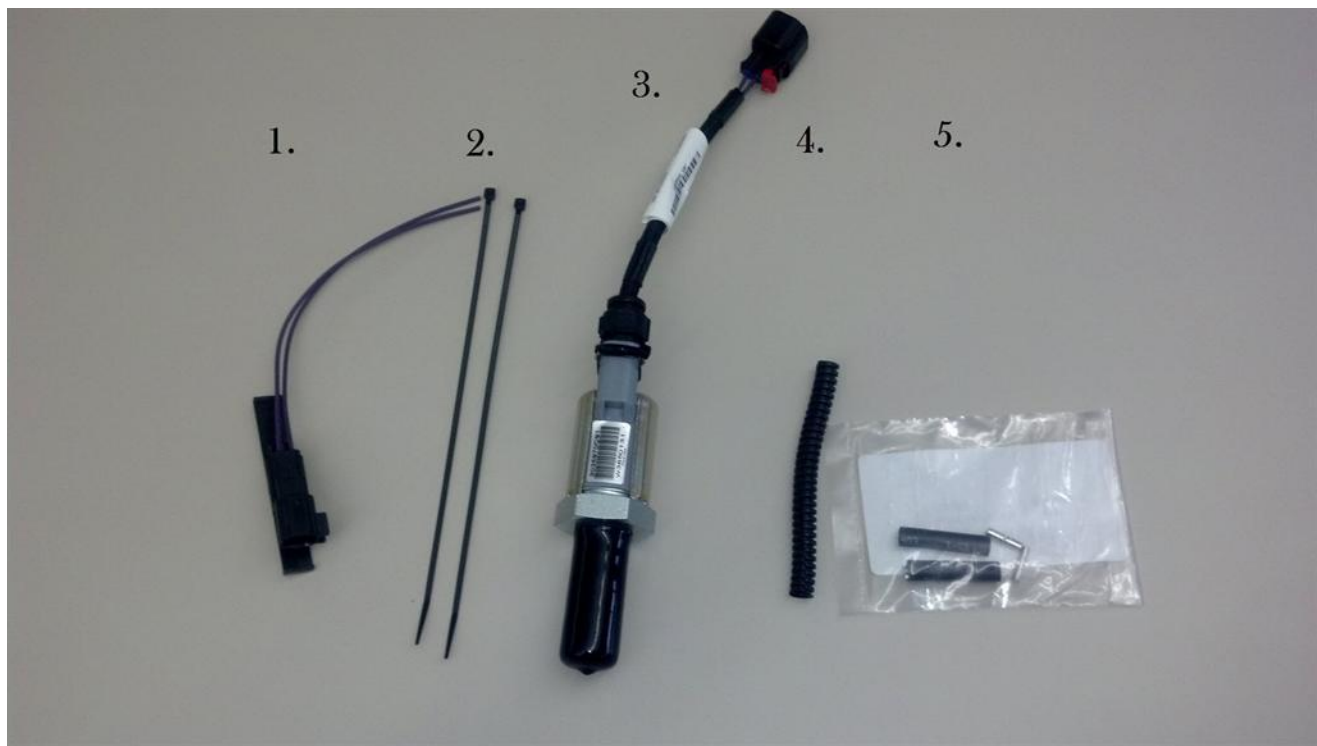


Figure 3: Kit contents

1. Pigtail
 2. Zip ties
 3. Injection Pressure Regulator
 4. Convolute
 5. Butt connectors and Heat shrink.
- (Directions not pictured)

Tool Number: 12-800-01



Figure 4: Glued IPR valve requires Tool # 12-800-01

2007-2009 Maxxforce DT, 9 and 10 Engines

ESN 3000000-3299999

Complaint

- Engine Stall
- No Start
- Erratic ICP
- ICP related codes
- Rough engine idle

Cause

- IPR pin fretting increases resistance at IPR connection.

TROUBLESHOOTING

- Perform "wiggle" test of IPR wiring and listen for any change in engine tone as well as running condition, and engine stalling.
- Disconnecting/reconnecting of IPR connector may alter symptom.
 - With the engine off
 - Disconnect, reconnect, and retest.
 - Note any changes in operation characteristics.
- Visually inspect for signs of wear, fretting, deformation, or material transfer between contacts
- If the condition is still present then load test the IPR wires individually(Pin 1 and Pin 2).

RESOLUTION

- Replace IPR valve and/or pigtail; leave generous length of wire to allow movement. The IPR pigtail service part must have a 90mm wire tail between the IPR connector and the wiring harness. See Figure 5 below.
 - Use a generous amount of Dielectric Grease.

TEST alteration

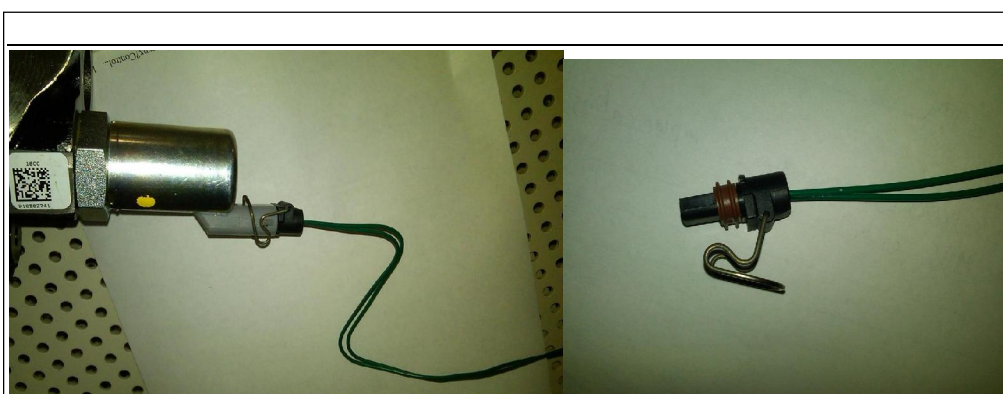


Figure 5: IPR pigtail and IPR Valve showing the necessary bend in the wire to prevent future fretting.

IPR Pigtail Part Number: 2501107C1*

***NOTE: New Pigtail Part Number. All pigtails now have Green wires.**


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Feedback Information

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