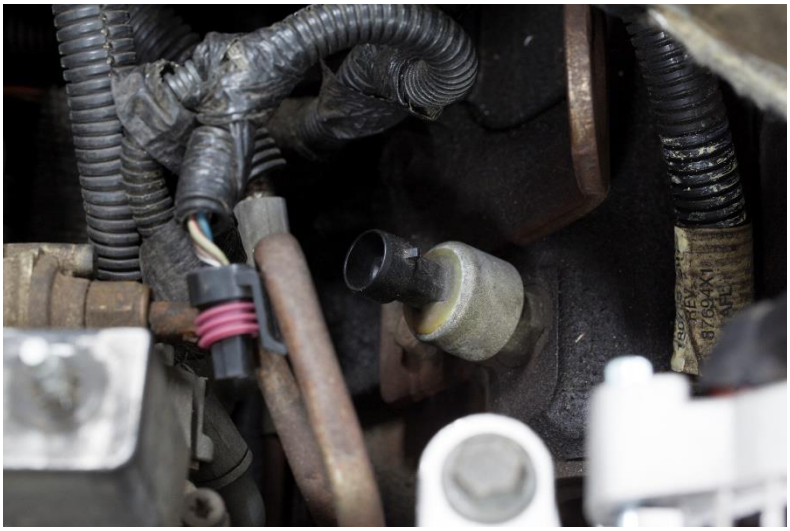
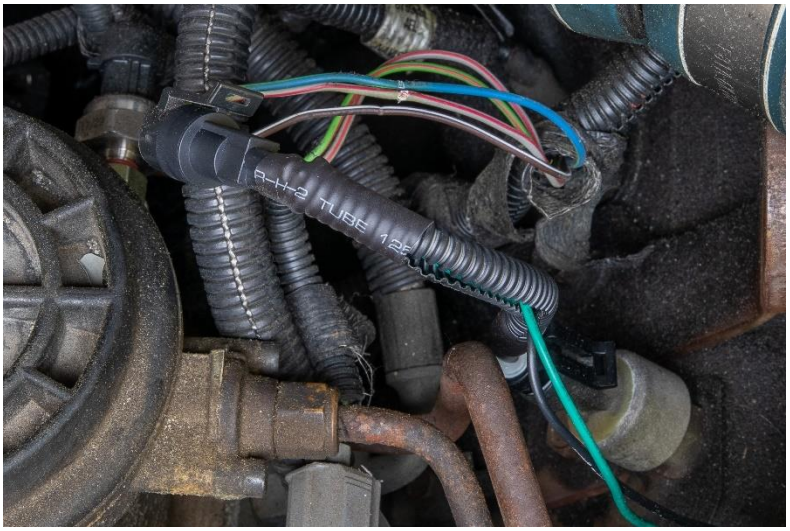
# High Pressure Oil Pressure Pigtail Harness 1999-2003 7.3L Power Stroke

1. Disconnect the negative terminal from both of the truck's batteries.
2. Locate the injector control pressure (ICP) sensor on the driver's side valve cover off to the right side of the fuel filter housing. Once you have located the ICP sensor, disconnect the wiring harness connector from the sensor.
3. Once the ICP sensor wire harness connector has been disconnected, plug the HPOP pigtail harness into the wire harness connector for the sensor.
4. Plug the opposite end of the pigtail harness into the ICP sensor.
5. Route and connect the green signal wire from the gauge wiring harness directly to the green signal wire of the pigtail harness. Route and connect the black ground wire from the gauge harness directly to the black ground wire of the pigtail harness. Connect the short black ground wire from the gauge harness to any bare metal grounding location. Secure all of the wiring using zip ties. **Note:** If only one black wire is available from the gauge harness, connect the black wire from the pigtail harness to any bare metal grounding location. If the wires from the harness need to be extended, be sure to use 18 or 20 gauge automotive grade wiring.
6. Once the pigtail harness is fully installed and connected to the ICP sensor, reinstall the plastic engine cover and the two cap nuts.
7. Reconnect the negative terminals to both of the truck's batteries.
8. Start the truck and ensure that the HPOP gauge is working properly.





## If you are experiencing a rough idle condition:

- **Make sure you are connecting the pigtail to the correct sensor.**
- **Make sure that the plugs are fully seated and the retaining clips are secure.**
- **Make sure that there is a solid ground connection.**

# INSTALLATION INSTRUCTIONS

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## High Pressure Oil Pressure Pigtail Harness 2004-2007 6.0L Power Stroke

1. Disconnect the negative terminal from both of the truck's batteries.
2. Locate the injector control pressure (ICP) sensor on the passenger side valve cover. On early '04 models, the ICP sensor is located beneath the turbo, which can be accessed from under the truck on the driver side. Once you have located the ICP sensor, disconnect the wiring harness connector from the sensor.
3. Once the ICP sensor wire harness connector has been disconnected, plug the HPOP pigtail harness into the wire harness connector for the sensor.
4. Plug the opposite end of the pigtail harness into the ICP sensor.
5. Route and connect the green signal wire from the gauge wiring harness directly to the green signal wire of the pigtail harness. Route and connect the black ground wire from the gauge harness directly to the black ground wire of the pigtail harness. Connect the short black ground wire from the gauge harness to any bare metal grounding location. Secure all of the wiring using zip ties. **Note:** If only one black wire is available from the gauge harness, connect the black wire from the pigtail harness to any bare metal grounding location. If the wires from the harness need to be extended, be sure to use 18 or 20 gauge automotive grade wiring.
6. Once the pigtail harness is fully installed and connected to the ICP sensor, reinstall the plastic engine cover and the two cap nuts.
7. Reconnect the negative terminals to both of the truck's batteries.
8. Start the truck and ensure that the HPOP gauge is working properly.

### If you are experiencing a rough idle condition:

- **Make sure you are connecting the pigtail to the correct sensor.**
- **Make sure that the plugs are fully seated and the retaining clips are secure.**
- **Make sure that there is a solid ground connection.**