

IDLE VALVE INSTALLATION INSTRUCTIONS

Overview:

7115203 idle valve replacement

Affected Models:

DXPW33241 DeWalt Idle Down / #61109

Corrective Action Summary:

Remove bad idle valve and replace it with a new idle valve.

Corrective Action Procedure:

Tools Needed: 10mm socket and driver, 17mm socket and driver, white lithium grease, tachometer, torque wrench **Required**

Parts: 7115203 kit

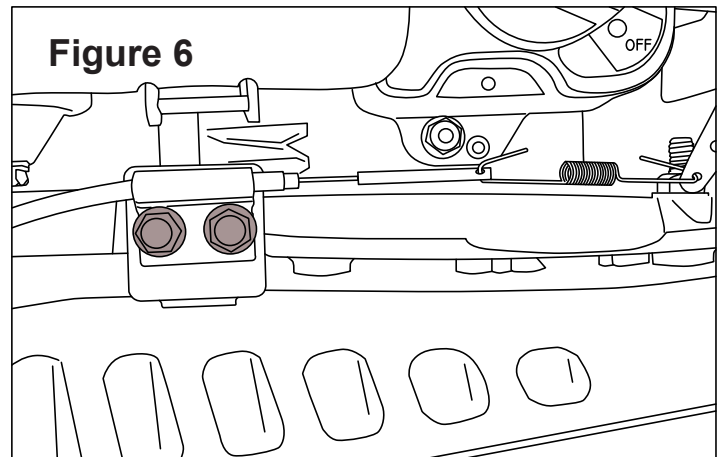
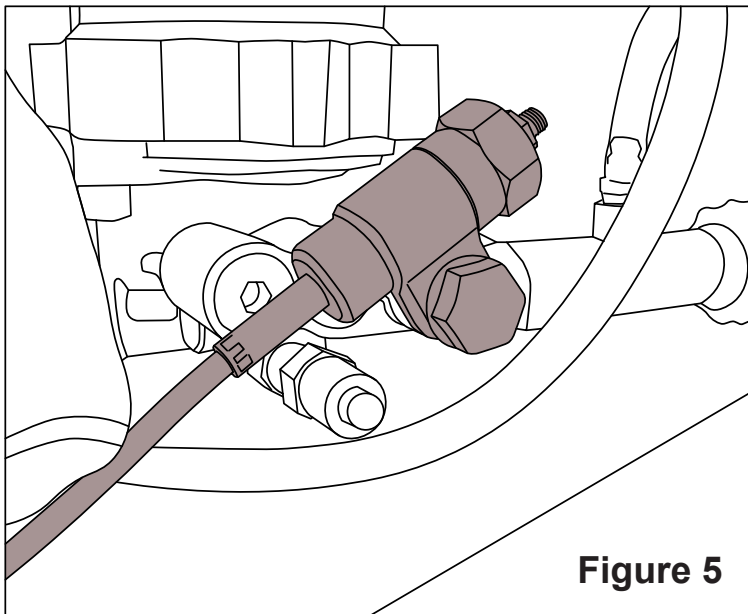
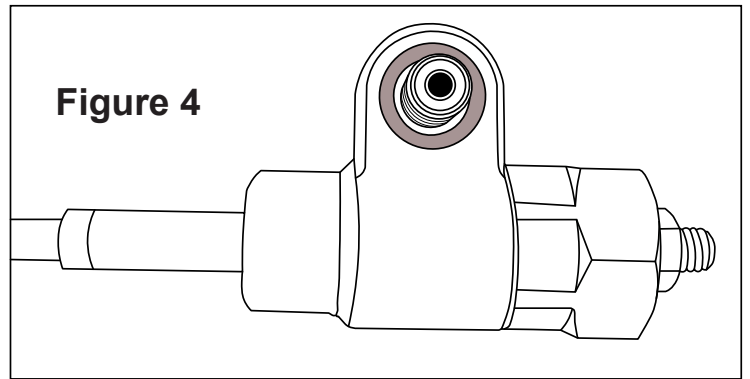
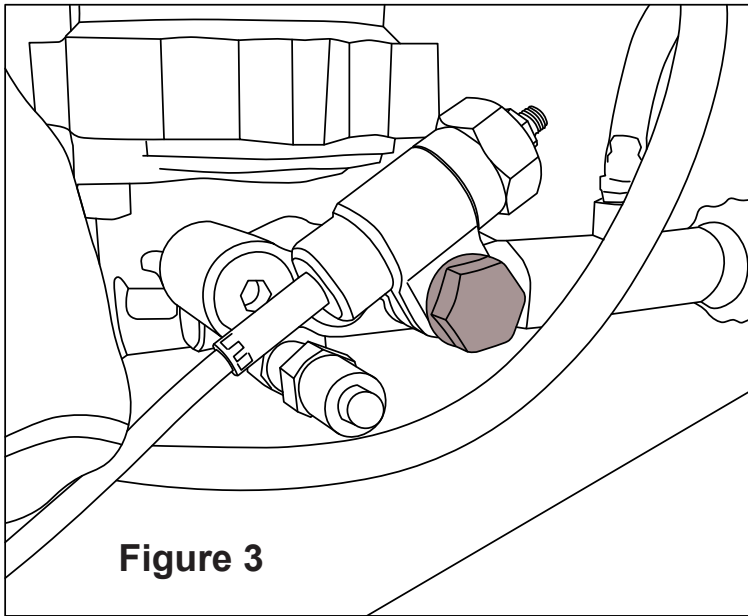
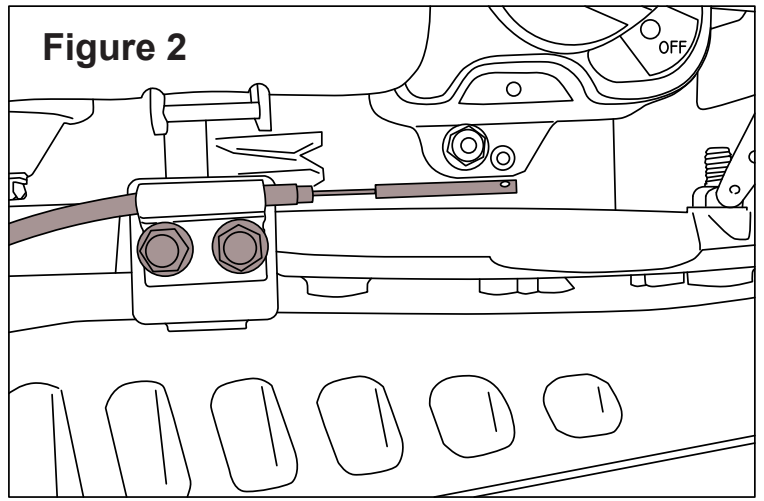
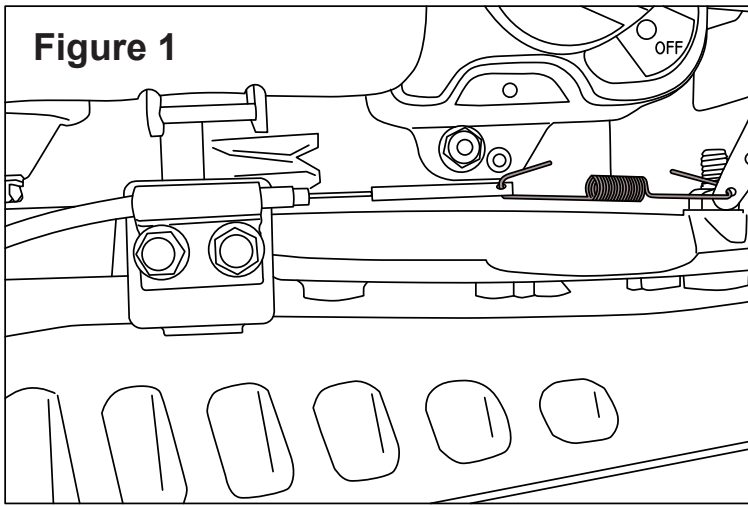
Replacement Parts: none

Removing the bad idle valve:

1. Disconnect the spring from the idle cable and the speed control lever on the engine. (Figure 1)
2. Use a 10mm socket and driver to loosen the idle cable bracket bolts then lift the cable out of the bracket. (Figure 2)
3. Use a 17mm socket and driver to remove the idle valve from the pump. (Figure 3)
4. Make sure the o-ring seal is in place on the idle valve and not stuck to the pump. (Figure 4)

Installing the new idle valve:

1. Apply a thin coating of white lithium grease onto the o-ring seals, install them into both sides of the idle valve, then insert the valve retainer bolt through the idle valve and o-ring seals. (Figure 4)
2. Route the idle valve cable under the soap tank and use a 17mm socket and driver to install the idle valve onto the pump. Failure to properly torque the idle valve retaining bolt with a torque wrench to the manufacture listed settings could result in the retaining bolt breaking upon installation. (Figure 5)
3. Route the idle valve cable in front of the soap tank and insert it into the cable retention bracket. (Figure 2) See Figure 7 for proper idle down cable routing.
4. Connect the spring to the idle valve cable and the speed control lever on the engine. (Figure 1)
5. Hook up a tachometer, adjust idle speed by sliding the idle down cable back and forth in the bracket. Set low idle speed to 2600-2900 RPM with water in unit, high-pressure hose installed, spray gun installed, machine running, spray gun not spraying (machine in bypass). Set high idle speed to 3450 RPM with water in unit, high-pressure hose installed, spray gun installed, machine running, and spray gun spraying (machine not in bypass).
6. Use a 10mm socket and driver to tighten the idle valve cable retention bracket bolts. Tighten bracket bolts until the cable will not move when pulled on by hand.



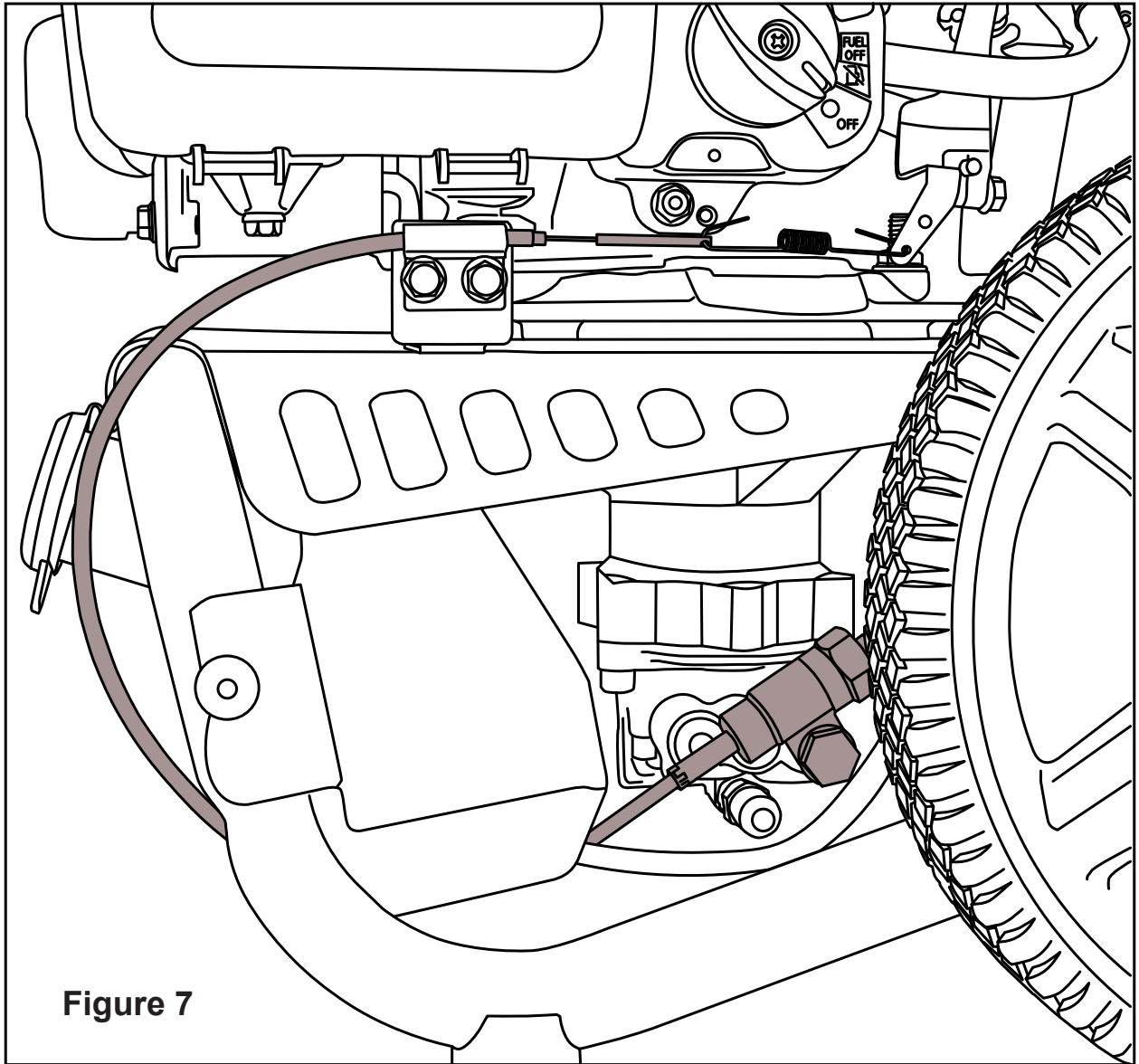


Figure 7