

6-000-35ST 3.5 Liter Modular Surge Tank Install Guide



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Parts List:

- 3.5 Liter Surge Tank
- 2x O-rings
- Block-Off Plate
- 12x Retaining Bolts
- 2x Retaining Ring
- Pick-up Tube
- 8 Rubber Isolators

PLEASE READ – this guide is intended to aid in the installation of our products.

Below is a picture of suggested tools that will make the installation process easier.



For Install with our DW 350iL

1 – Remove 6 bolts on the Pick-up tube.



2 – Remove retaining ring.



3 – Remove pick-up tube and keep the O-ring as it will be needed to install the DW 350iL



4 – Take the O-ring and Pre-filter 8-01-08100 and install them on the pump. Be sure to place O-ring under the retaining ridge not above it. This seals the pump to the surge tank.

Note: If your DW350iL has a clear heat shrink sleeve on it, it may be necessary to remove it before installation into the surge tank.



5 – Install Pump w/ filter. The o-ring on the bottom of the pump's retaining ridge should hold it in place. Make sure o-ring is not pinched or protruding from any side.



6 – Install Retaining ring on top of pump with the 6 retaining bolts and lock washers.
*Torque to 30 in/lbs.



*For install with dual 350iL's repeat steps 1-6 on the other block-off plate.

7 – Install the rubber mounting isolators by fishing them through the bolts holes on the 2 tabs located on both side of the surge tank.



Plumbing With the DW350iL

1 – When plumbing a surge tank it is important to use all inlets and outlets. Here is the suggested diagram to use for this surge tank.

1. Feed from oem fuel tank.
2. Return from Engine's fuel pressure regulator or return line.
3. Return back to oem fuel tank for surge tank overflow.
4. Feed from pump to fuel rail.



*all outlets/inlets are -8 AN ORB.

External Fuel Pump Install

1 – The Surge tank already comes pre-assembled for use with an external pump. Double check all hardware for safety. Bolts for Retaining ring to be torqued to 30in/lbs.

Plumbing with an External Fuel Pump

Suggested Plumbing is very similar to using our DW350iL.

1. Feed from oem fuel tank.
2. Return from engine's fuel pressure regulator or return line.
3. Return back to oem fuel tank for surge tank overflow.
4. Feed to External fuel pump.



*all outlets/inlets are -8 AN ORB except for the p/u tube outlet. The p/u tube outlet is -10 AN ORB.

For additional technical support please contact us at: TechSupport@Deatschwerks.com or 405.233.3991

