

Z1 350Z LOW PROFILE WASHER FLUID RESERVOIR INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2006

Nissan 350Z

PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports 350Z Low Profile Washer Fluid Reservoir, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Washer Fluid Reservoir
2	1	Fill Hose
3	1	Fill Port
4	1	Fill Port Bracket
5	1	Convertible Gasket
6	2	Pump Gasket
7	1	OE Fluid Level Sensor
8	1	M6 X 1.0 SEMS Screw, 16mm
9	1	M6 x 1.0 Locknut
10	2	Flathead Screw

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Torque Wrench
- Channel Lock Pliers

SAFETY REQUIREMENTS:

- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

BEFORE YOU BEGIN:

Remove contents from the Z1 Motorsports 350Z Low Profile Washer Fluid Reservoir and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Raise and support the hood of the vehicle.
4. Remove the Undershroud from the vehicle if applicable and set aside. *Figure 1.*



Figure 1

5. Remove plastic clips and remove the Front Wheel/Fender Liners to reveal a mounting screw on each side of the vehicle which mounts the corner of the Bumper Fascia to the Vehicle. Remove each Mounting Screw. *Figure 2.*



Figure 2

NOTE: Refer to *Figure 3* below for locations of Bumper mounting hardware and Core Support clips for applicable models.

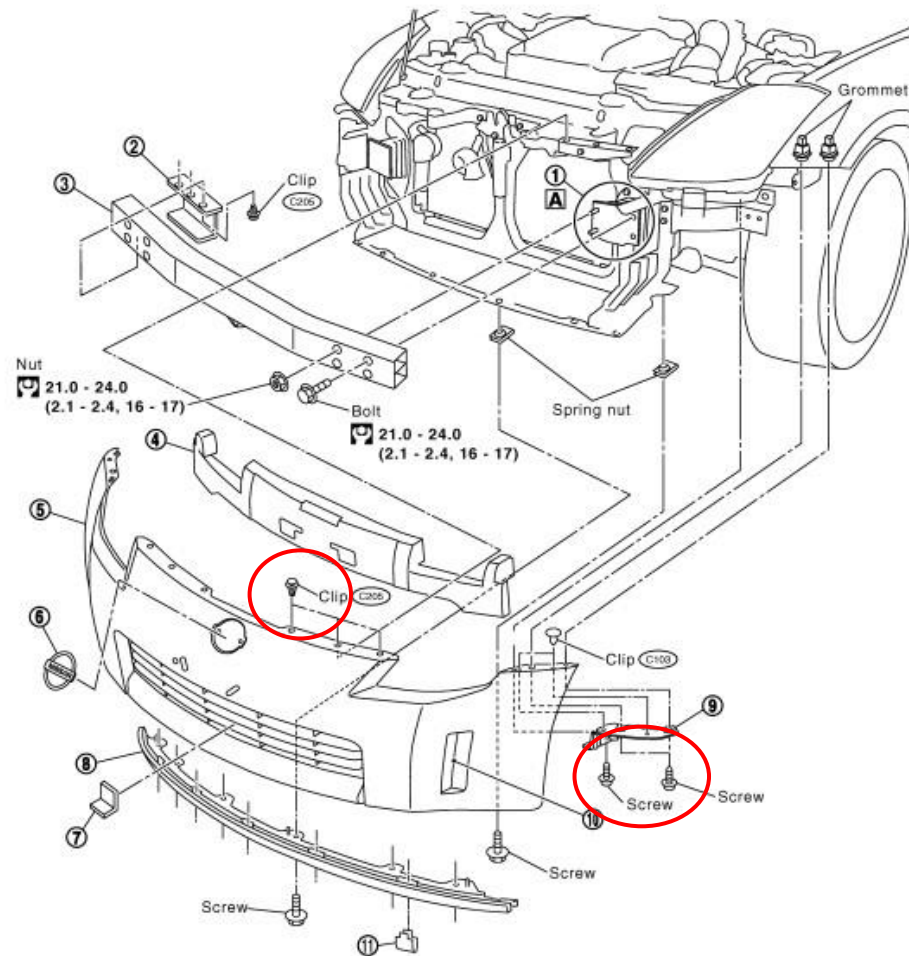


Figure 3

6. Remove plastic pop clips securing the upper Bumper Fascia to the vehicle at the Radiator Core Support, see *Figure 3*.
7. With a light pull motion, carefully disengage the Bumper Fascia from the clips on the vehicle just below each headlight. Remove Bumper Fascia and set aside. *Figure 4*.



Figure 4

8. Locate the OE Washer Fluid Reservoir. Disconnect the (3) three Electrical Connectors on the Bottom of the Reservoir. Two connectors are for the Fluid Pumps; the other sensor is for the Washer Fluid Level Sensor. *Figure 5*.

NOTE: The Washer Fluid Reservoir has already been removed in the Figure below. Convertibles will only have (1) one connection for the Pumps, as they do not have rear wiper.

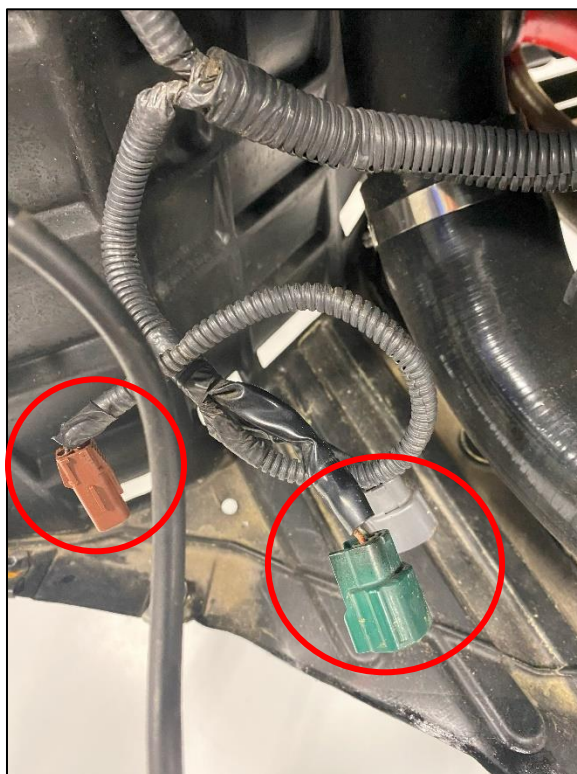


Figure 5

9. Locate a bucket or container to collect Washer Reservoir Fluid.
10. Disconnect the (2) two hoses that run to the Washer Fluid Reservoir pumps, collect any spilled fluid.
11. Remove the bolt and (2) two nuts that hold the OE Washer Fluid Reservoir in place. *Figure 6.*

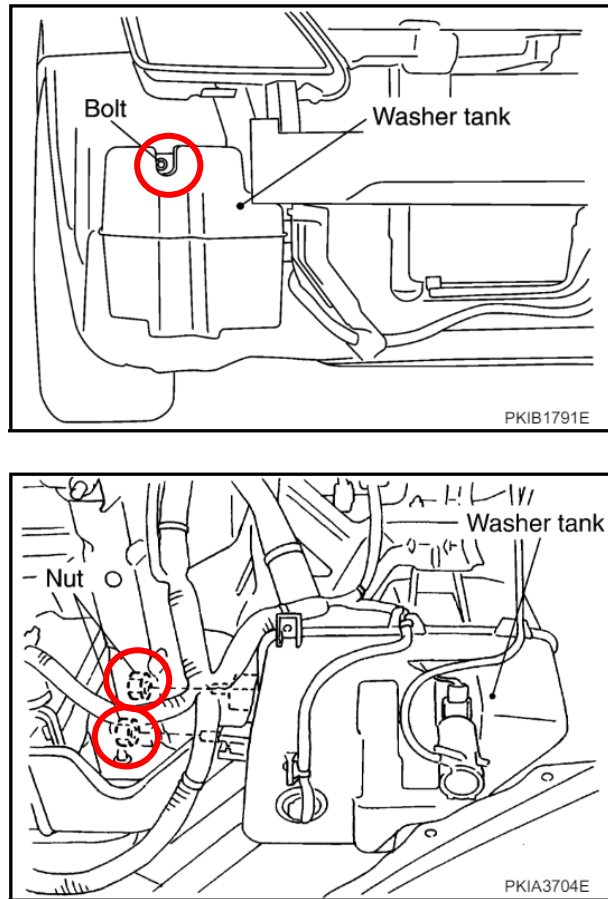


Figure 6

12. In the Engine Bay, remove the OE Fluid Fill Neck from the Vehicle. It is held on by (1) one bolt. *Figure 7.*



Figure 7

13. Drain the rest of the Washer Fluid out of the Reservoir.

14. Remove the (2) two Washer Fluid Pumps from the OE Reservoir. Pull outwards away from the reservoir to remove. *Figure 8.*

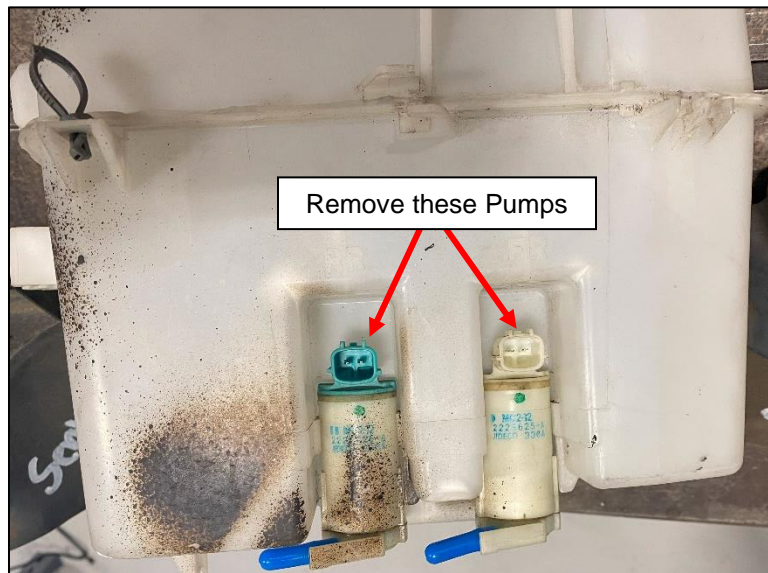


Figure 8

15. Locate (2) two Rubber Gasket and the new Z1 Low Profile Washer Fluid Reservoir. Install (1) one Gasket into each port of the new Washer Fluid Reservoir. IF YOU HAVE A CONVERTIBLE OR HAVE DELETED THE REAR WIPER, install (1) one rubber plug into a port. *Figure 9.*



Figure 9

17. Locate the (2) two pumps (1 if you have a convertible/rear wiper delete) removed in *Step 14*. Position them into the new Gaskets installed in *Step 16*. Use a small amount of Silicone Spray to help ease the Pumps into position. *Figure 10*.



Figure 10

18. Locate the new Washer Fluid Level Sensor and accompanying gasket. Install the Gasket and Sensor into the bottom of the new Reservoir. *Figure 11*.



Figure 11

19. Locate the Fluid Fill Hose. Connect it to the Fluid Reservoir Port. *Figure 12.*



Figure 12

20. Route the hoses disconnected in *Step 11* through the open port of the new Fluid Reservoir and clip them into the back of the Fluid Reservoir. *Figure 13.*

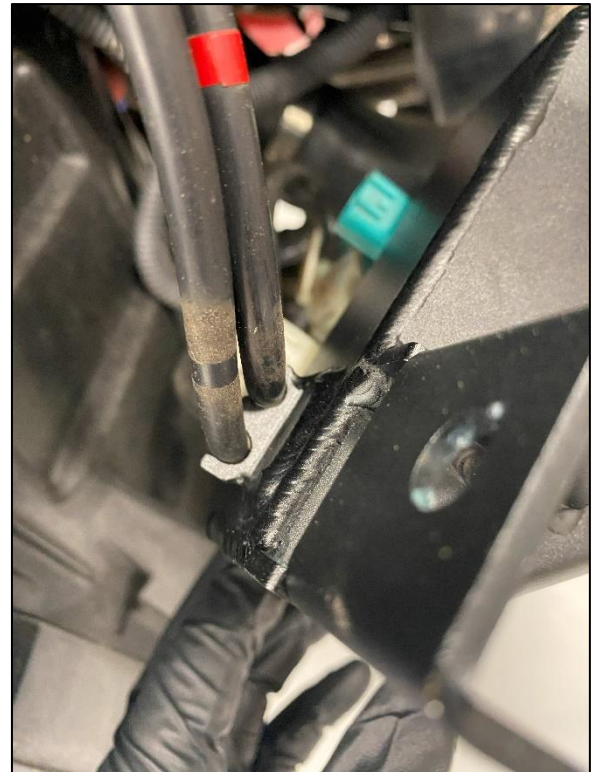


Figure 13

21. Connect the (2) two Fluid Hoses to the Fluid Pumps. *Figure 14.*



Figure 14

22. Reconnect the (3) three connectors removed in *Step 9*. The Green Connector goes to the Green Pump, and the Gray Connector goes to the White Pump. *Figure 15.*



Figure 15

23. Position the Fluid Reservoir into the OE Location, and fish the Fluid Fill Hose up into the Engine Bay. Secure with (1) one M6 x 1.0 SEMS Screw. *Figure 16.*

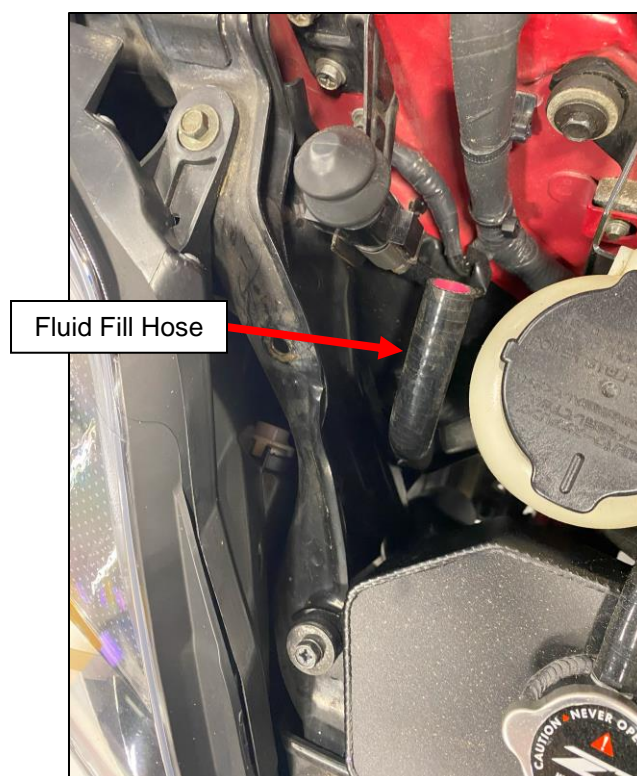


Figure 16

24. Locate (1) one M6 x 1.0 Flanged Lock Nut. Place it on the inside of the Core Support and thread it onto the stud from the Fluid Reservoir. *Figure 17.*

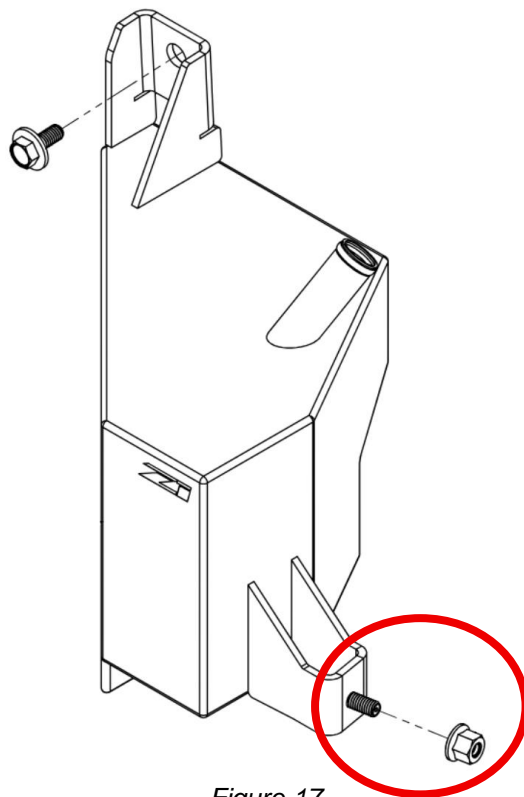


Figure 17

25. Locate the Fluid Fill Port, Fill Neck Bracket, and (2) two flathead screws. Attach the Bracket to the Fill Port with the Screws as Shown. *Figure 18.*



Figure 18

26. Insert the Fill Neck into the Fluid Reservoir Hose.

27. Using the OE Hardware removed in *Step 12*, secure the bracket to the chassis of the vehicle.



Figure 19

28. Fill the Fluid Reservoir with Washer Fluid and check for leaks.

29. Install the Fluid Reservoir Cap. *Figure 19.*



Figure 20

30. Test the Washer System inside of the vehicle. If your controls are backwards, the hoses on the pumps will need to be swapped.

31. Follow *Steps 4-8* in reverse to reinstall the Front Bumper and Undershroud.

END

Additional Technical Support:
Contact Z1 Motorsports at info@z1motorsports.com
Or call 770-838-7777 between 9am and 6pm ET