

Polaris 3900 Tune Up Kit Installation Instructions

Tools Needed:

- Philips #2 screwdriver
- Small flathead screwdriver

Disassemble Cleaner

1. Press the quick disconnect button to release the cleaner bag from the feed hose (Figure 1).



Figure 1. Disconnect cleaner bag

2. Remove the feed hose from the cleaner.

3. Twist collar to remove the cleaner bag (Figure 2).

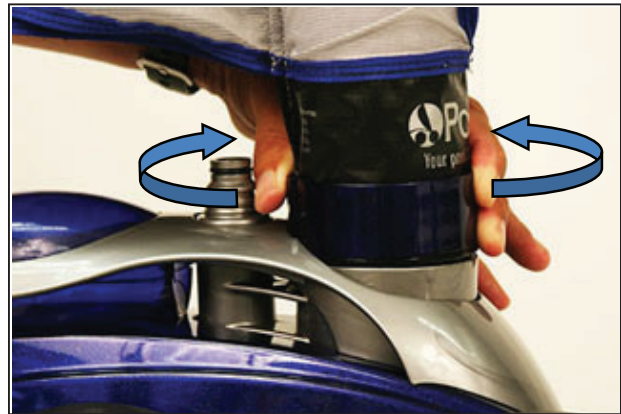


Figure 2. Remove cleaner bag

4. Remove Sweep Hose by twisting nut to release from the hose or by removing the Sweep Hose attachment clamp.



Figure 3. Remove sweep hose

5. Set the cleaner on its side on the double wheels.
6. Loosen the three (3) screws on underside of cleaner (Figure 4). Tilt the cleaner over and allow screws to drop out.

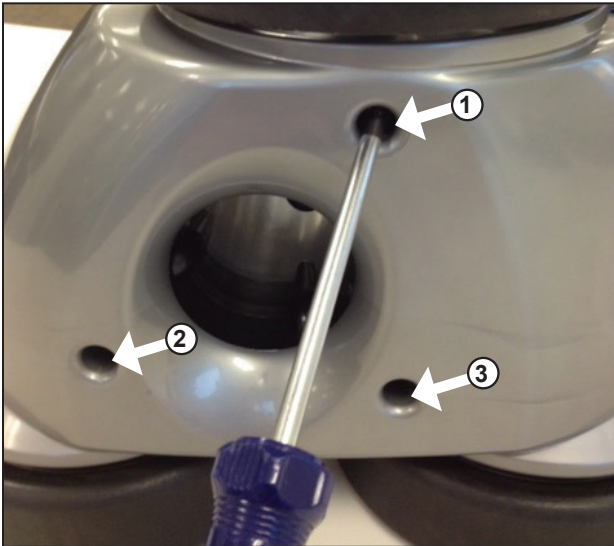


Figure 4. Remove three (3) bottom housing screws

7. Remove the bottom housing.
8. Set cleaner on its double side wheels and remove three (3) screws in location marked “A” water management system assembly (Figure 5).

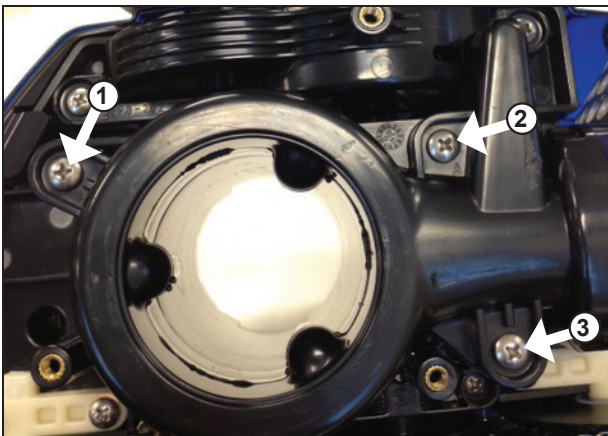


Figure 5. Remove three (3) water management system screws

9. Remove the water management system with rear housing attached by pulling straight out (Figures 6 and 7).

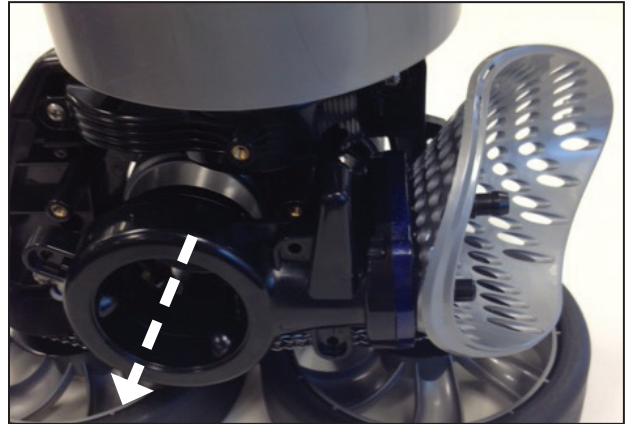


Figure 6. Pull firmly to remove water management system and rear housing



Figure 7. Water management system and rear housing removed

10. Remove two (2) screws (Figure 8) to detach and remove top housing (Figure 9).

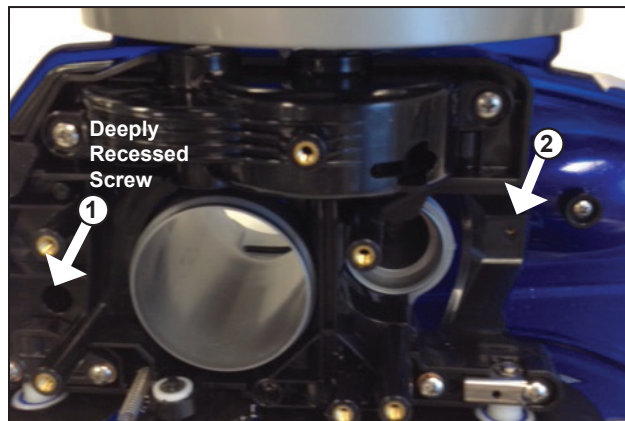


Figure 8. Remove two (2) top housing screws

NOTE: The left screw (1) is deeply recessed. To retrieve the screw after loosening, turn the cleaner over and it will fall out.

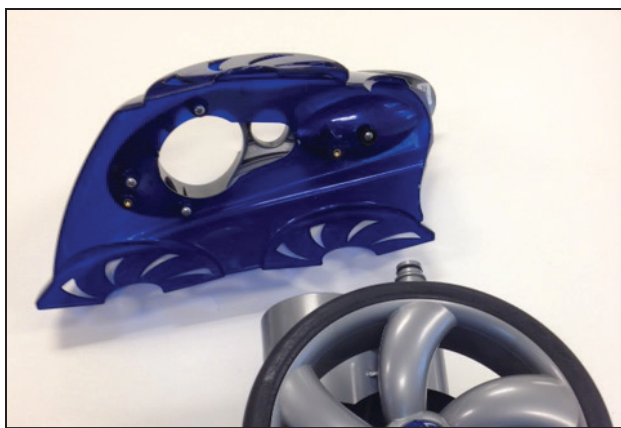


Figure 9. Remove top housing

11. Set cleaner on its single side wheel. Insert a small flathead screwdriver under the hubcap notch to pry hubcaps from both double side wheels. (Figure 10.)



Figure 10. Remove hubcaps from double side wheels

12. Remove screws from center of each wheel (Figure 11) and slide wheel off to remove (Figure 12).

NOTE: Wheel screws are smaller diameter than body screws. Set these screws apart from other screws to prevent mixing.



Figure 11. Remove two (2) double side wheels

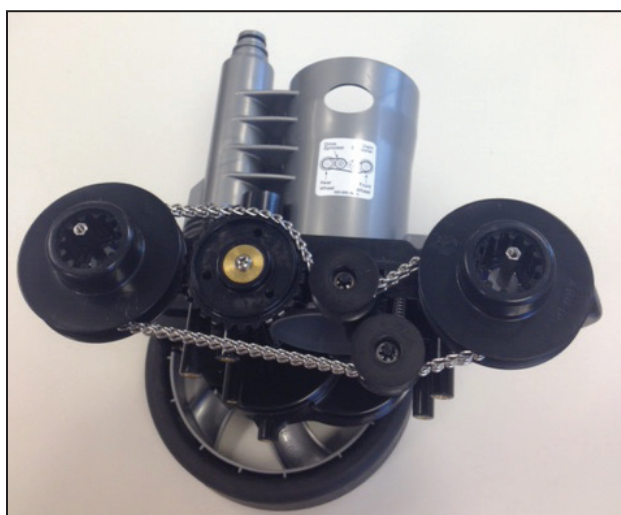


Figure 12. Double side wheels removed

13. Turn cleaner over and set on its double wheel side.
14. Remove the tire from the single side wheel (Figure 13). Pull the lip of tire back and peel off gradually. Set aside to replace later.



Figure 13. Remove tire from single side wheel

- Remove the hubcap from the single side wheel using the flathead screwdriver and set aside.

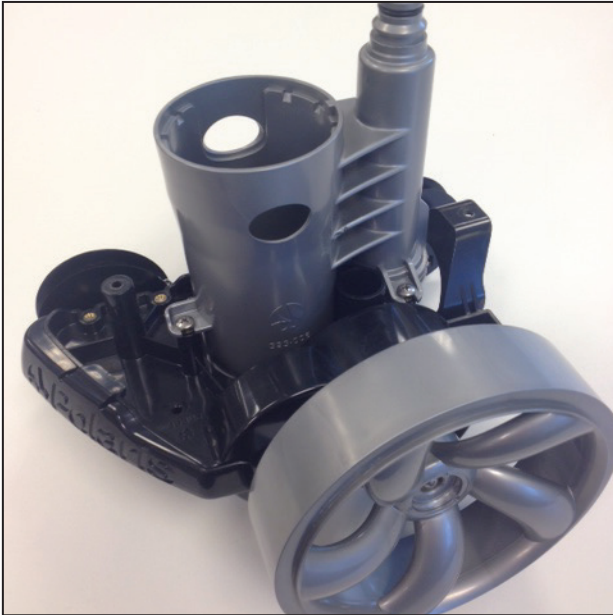


Figure 14. Cleaner disassembled

Install the Tune Up Kit

- Remove tune up kit from the box.
- Loosen the three (3) screws from underside of the Tune Up Kit (Figure 15). Tilt cleaner over and allow screws to drop out.

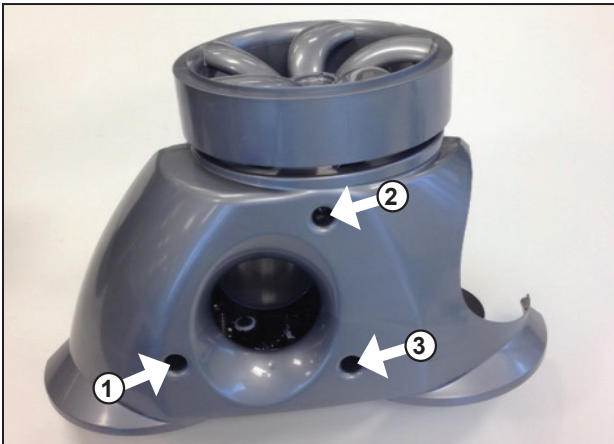


Figure 15. Remove three (3) screws

- Remove the bottom housing (Figure 16).

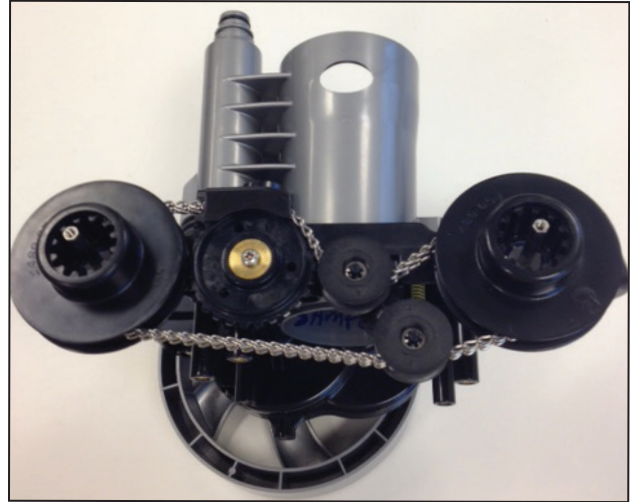


Figure 16. Tune up kit bottom housing removed

- Slide the top housing over feed pipe (Figure 17).



Figure 17. Slide top housing over feed pipe

- Set the Tune Up Kit on its side and replace two (2) screws to secure the top housing (Figure 18).

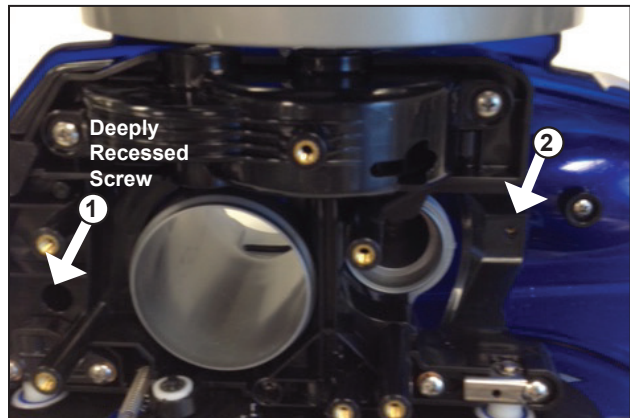


Figure 18. Replace two (2) top housing screws

6. Align the water management system and rear housing assembly with the cleaner body (Figure 19). Ensure that the O-ring is still attached on the pipe and it is not kinked or pinched (Figure 20).

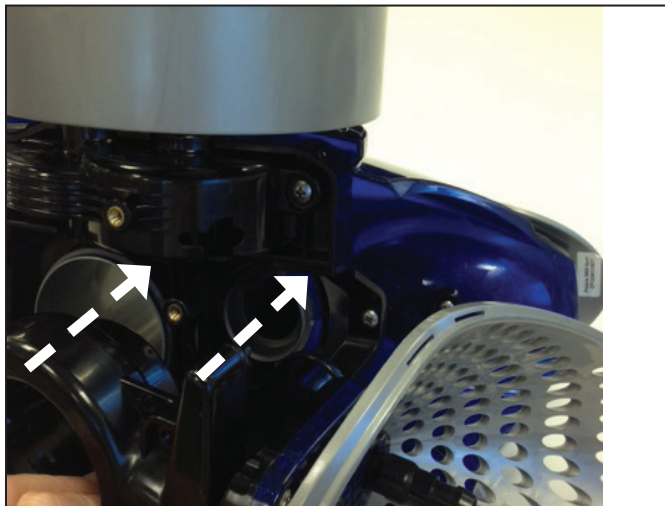


Figure 19. Align water management system

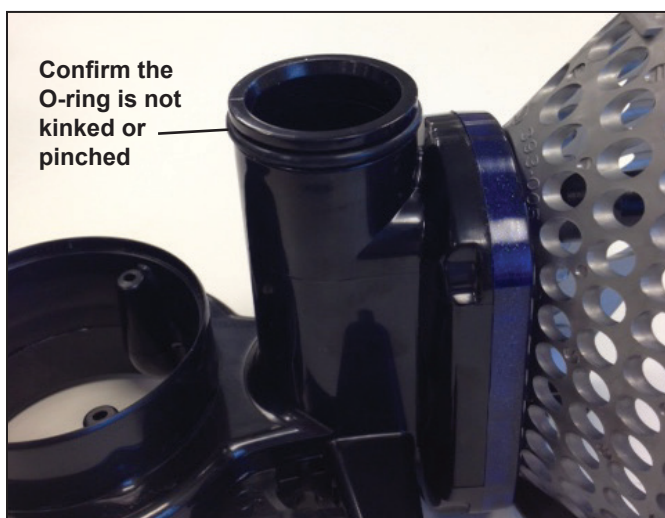


Figure 20. O-ring seated correctly on feed pipe

7. Guide the water management system with rear housing canopy attached into the feed pipe tube. Push in firmly aligning the notches of the rear housing into the lip of the top housing. Check that the top housing lip is correctly aligned over the rear housing (Figure 21).

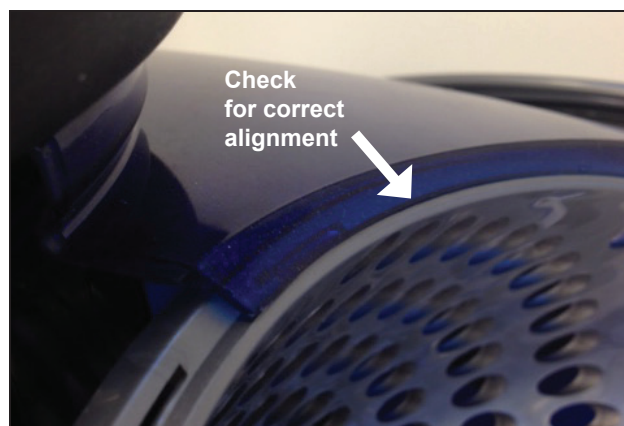


Figure 21. Rear housing and top housing aligned

8. Replace three (3) water management system screws (Figure 22).

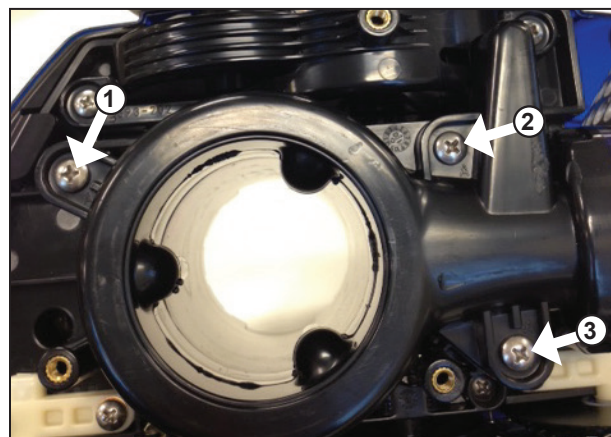


Figure 22. Replace three (3) water management system screws

9. Attach new bottom housing (gray) by replacing three (3) recessed screws (Figure 23).

NOTE: Squeeze top and bottom housing pieces together firmly as you tighten screws to ensure both pieces remain aligned and create an even seam in the cleaner body.

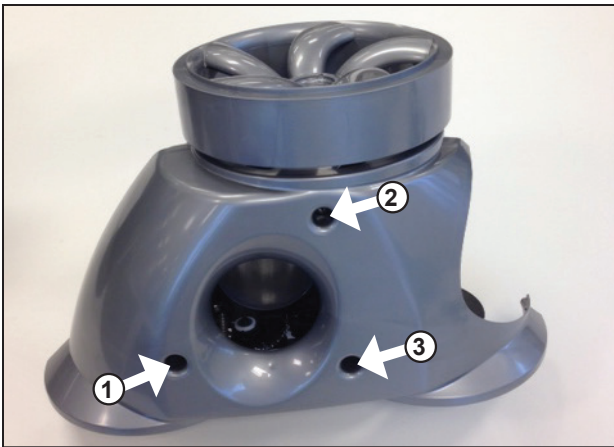


Figure 23. Replace three (3) bottom housing screws

10. Replace the hubcap on single side wheel. Press until it snaps into place.
11. Replace the tire on single side wheel. Thread the lip of the tire around the bottom of the wheel and work tire gradually around the wheel. Ensure the lips on both sides of the tire are fully threaded over the outside of the wheel.
12. Turn cleaner over onto single side wheel. Replace wheels on the double wheel side. Insert the keyed side of wheel into the wheel sprocket assembly.
13. Rotate the wheel bearing to align hexagonal notch with the shaft. Press the bearing down firmly. (Figure 24.)

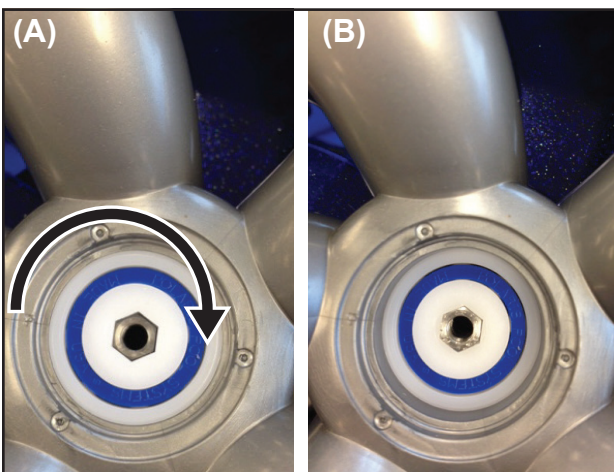


Figure 24. (A) Rotate bearing to align wheel shaft. (B) Press wheel bearing down.

14. Replace screws in center of each wheel.
15. Replace the two (2) wheel hubcaps by snapping into place.
16. Reconnect the cleaner bag (Figure 25).



Figure 25. Connect cleaner bag

17. Reconnect the sweep hose (Figure 26).



Figure 26. Connect sweep hose