

Important Instructions

Subject Installation of 646P3 and 646P3A Hub and Seal Kits

Use With Topload Washers



WARNING

This kit is to be installed in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. In Canada, this conversion/installation shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the CAN/CGA-B149.1 and CAN/CGA-B149.2 installation code. Failure to follow instructions could result in serious injury, death or property damage. The qualified agency performing this work assumes all responsibility for this kit installation.

W013R4

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the washer before servicing.
- Never start the washer with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer is properly grounded.

W003

Kit 646P3 consists of the following:

Qty.	Part No.	Description
1	— — —	Hub and Seal Assembly
2	27202P	Screw and Gasket Kit
1	29728	Spline Insert
1	38359	Gasket (Tub Cover)
1	39122	Gasket (Washtub)
1	39508P	Drive Bell and Seal Kit
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Obtain the following item from your local Parts Distributor:

Qty.	Part No.	Description
1	27604P	Anti-Seize Compound
1	27615P	Sealant (3M-800) (Included with Kit 646P3)

Installation Preparation

1. Refer to appropriate service manual and remove washtub.
2. Remove drive bell and seal following instructions supplied in 39508P Drive Bell and Seal Kit.
3. Remove large hex nut, using 306P4 Hex Wrench. Refer to *Figure 1*.

4. Remove and discard spline insert from transmission tube.

IMPORTANT: Use new spline insert (supplied in kit) when reinstalling large hex nut. **DO NOT** reuse an old spline insert because large hex nut may loosen during washer operation.

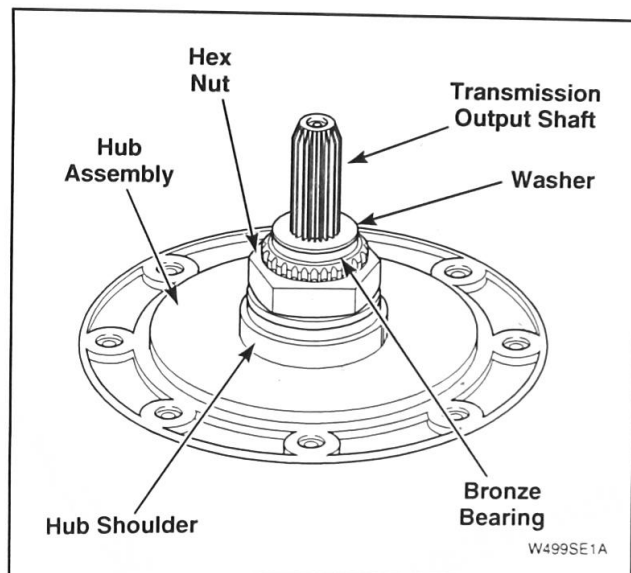


Figure 1

5. Remove hub assembly from splines on transmission tube.

NOTE: A gear puller may be necessary to remove hub assembly.

6. Remove water seal from outer tub.

IMPORTANT: Use caution when removing seal so as not to damage outer tub flange or porcelain finish.

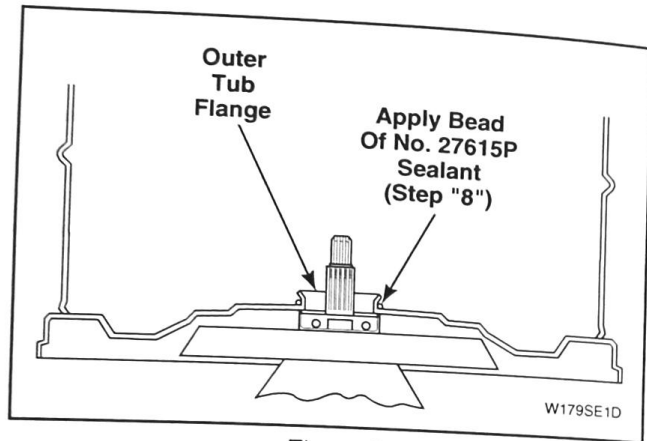


Figure 2

Installing Hub and Seal Kit

7. Thoroughly clean all foreign material from inner surface of outer tub flange.

IMPORTANT: All foreign material must be removed from inner surface of outer tub flange before installing Hub and Seal Kit.

8. Apply a small amount of 27615P Sealant (included with 646P3 kit or available from parts distributor) around outer surface of tub flange. Refer to *Figure 2*.
9. Apply a light film of nonstaining petroleum jelly (such as Vaseline®) to ceramic portion of water seal and to outer surface of stainless steel sleeve. Refer to *Figure 3*.

IMPORTANT: DO NOT over lubricate!

10. Insert stainless steel sleeve into water seal from bottom of water seal until stainless steel sleeve is flush with ceramic portion of water seal. Refer to *Figure 3*.

11. Leaving garter spring on water seal, place new water seal over outer tub flange (with seal lip on outside of tub flange). Then press seal into tub flange opening using moderate finger pressure.
12. Carefully apply a small amount of 27615P Sealant (available from parts distributor) around outer edge of water seal and tub (area located just below garter spring). Refer to *Figure 3*.

IMPORTANT: DO NOT allow sealant to contact sealing surface of water seal because it will cause a water leak.

13. Lubricate inner splines of new hub assembly (supplied in kit) with 27604P Anti-Seize Compound (available from parts distributor).
14. Carefully place new hub assembly on splined transmission tube.

IMPORTANT: Firmly push hub assembly down against outer tub seal and hold in this position during the next three steps.

15. While holding hub assembly down, place new spline insert (with fingers pointing upward) over transmission tube until it bottoms out on hub assembly.
16. Place large hex nut over transmission tube (with larger inside bevel toward spline insert) then finger tighten large hex nut.
17. Torque large hex nut between 40 to 70 foot pounds (5.56 to 9.73 Kgm).

NOTE: If torque wrench is not available, place 306P4 Hex Wrench over large hex nut, then tap hex wrench with a hammer until hub assembly turns or until large hex nut will no longer tighten.

NOTE: If a lint filter was originally installed between washtub and hub assembly, then it must be reinstalled before installing washtub in washer. Proceed to step 19.

NOTE: If a gasket was originally installed between washtub and hub assembly, then 39122 Washtub Gasket (supplied in kit) must be installed before installing washtub in washer. Proceed to step 18.

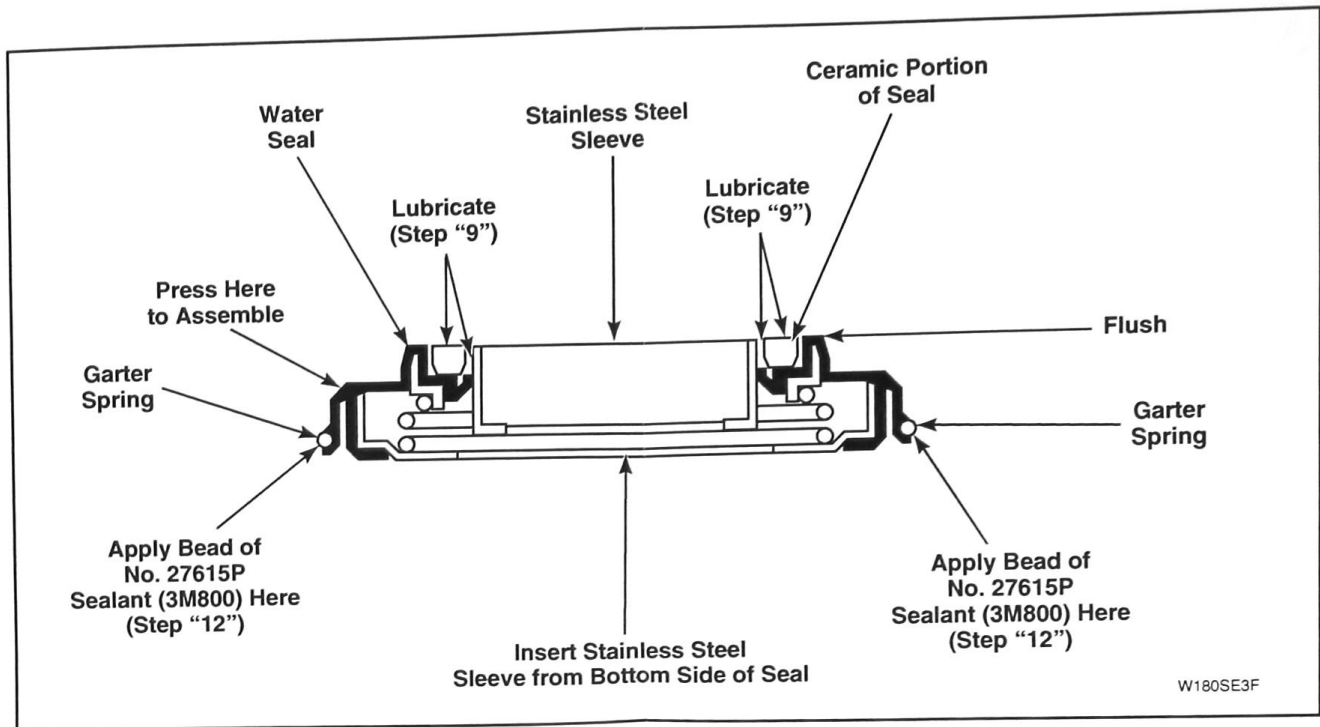


Figure 3

18. To install 39122 Gasket (supplied in kit), follow these steps:

- a. Thoroughly clean all foreign material from seal surface area of hub where washtub attaches.
- b. Apply a small amount of nonstaining petroleum jelly (such as Vaseline®) to both surfaces where gasket will contact hub assembly and bottom of washtub.
- c. Carefully place 39122 Gasket (supplied in kit) on hub assembly.

NOTE: Ensure holes in gasket are aligned with holes in hub assembly and all traces of original gasket are removed from bottom of washtub.

19. Grasp top flange of washtub and carefully lower washtub down onto lint filter (or gasket) and hub assembly.

IMPORTANT: Before setting washtub into place, make sure holes in hub assembly are aligned with holes in lint filter (or gasket).

20. Secure washtub to hub assembly using cap screws and gaskets from 27202P Screw and Gasket Kit (supplied in kit).

NOTE: Gaskets are not used on models equipped with stainless steel washtub.

IMPORTANT: Porcelain Washtub Models — Use care when tightening cap screws to avoid chipping or damaging porcelain finish.

21. Install 38359 Outer Tub Cover Gasket (supplied in kit) (refer to appropriate service manual).

IMPORTANT: When installing outer tub cover always use a new outer tub cover gasket.

22. Reassemble outer tub cover onto washtub (refer to appropriate service manual).

23. Install seal, drive bell and agitator following instructions supplied in 39508P Drive Bell and Seal Kit.

24. Reinstall cabinet top and front panel (refer to appropriate service manual).

25. Close loading door, set washer timer to final spin, start washer and allow empty washtub to spin for 30 to 60 seconds.

IMPORTANT: Setting washer to spin allows petroleum jelly (applied to ceramic portion of water seal) a chance to cover seal surface before water is added to washer.