

56380503 TRANSAXLE HUB KIT 24V

Convertamatic™ : ALL models
BA 625, 725, 825 series : ALL models
Adphibian™ : ALL models
AX651 Multi EDS : ALL models
AquaPLUS™ : ALL models

CONTENTS OF KIT

ITEM	PART NO.	QTY	DESCRIPTION
	56090001	1	Instruction Sheet
A	NA	2	Retaining rings
B	NA	1	Wheel Flange w/four studs 1/4-20NC x 1"
C	NA	2	Steel Shim 1-1/8" OD x 3/4" ID x .010" thick
D	NA	1	Woodruff Key #605

TOOLS NEEDED

Gear Puller
7/16" Socket and Ratchet
Retaining Ring Pliers (for external retaining rings)
Never-Seez® or equivalent anti-seize compound
Non-marring hammer/mallet

INSTALLATION INSTRUCTIONS

WARNING!

- Disconnect the battery pack connector before servicing machine.
 - Never work under machine without safety stands or blocking to support the machine.
- 1 Empty the solution and recovery tanks, remove the squeegee, then place wood blocking in front and rear of the drive wheel opposite of the wheel you are removing to prevent the machine from rolling.
 - 2 Using a scissors jack, raise the machine until the wheel is off the ground. (Refer to your service manual for recommended jack placement.)
 - 3 Remove the four 1/4"-20 Nyloc® nuts and remove the drive wheel from the hub.

- 4 **See Figure 1.** Remove the outer Retaining Ring (A) from the axle.
 - 5 Remove the Steel Shim(s) (C) from the axle. Note that there may be either one or two Steel Shims on the axle.
 - 6 Use a gear puller to remove the Hub (B) from the axle.
Note that you can also remove the Hub using a soft-faced hammer or mallet by tapping the Hub equally around the outside edges. If you use this method, be careful not to damage the transaxle components.
 - 7 If the inner Retaining Ring (A) appears worn or damaged, replace it with one of the new Retaining Rings in the kit.
 - 8 Put a witness mark on the end of the axle to indicate where the Woodruff Key (D) and slot is located on the axle. This will help you align the slot in the replacement Hub (B) with the Woodruff Key and key slot when you install the Hub.
 - 9 Apply a light coating of Never-Seez® or equivalent anti-seize compound to the axle and Woodruff Key (D).
 - 10 Make sure the Woodruff Key (D) is installed correctly in the key slot, then position the replacement Hub (B) onto the axle with the slot in the Hub aligned with the witness mark and Woodruff Key on the axle.
 - 11 Carefully tap the Hub (B) onto the axle until it contacts the inner Retaining Ring (A).
 - 12 Install one of the Steel Shims (C) over the axle, then install a new outer Retaining Ring (A).
 - 13 Check the clearance between the outside surface of the Hub (B) and the outer Retaining Ring (A). If there is excessive clearance between the Hub and the outer Retaining Ring, remove the outer retaining ring, install a second Steel Shim (C), then reinstall the outer Retaining Ring.
- Note:** Make sure the outer Retaining Ring (A) is fully seated into the ring groove in the axle.
- 14 Reinstall the drive wheel onto the Hub (B), then reinstall and tighten the four 1/4"-20 Nyloc® nuts.

