

Service Tips

Kwikee Electric Steps

For years most Winnebago Industries products have utilized Kwikee brand steps in a variety of configurations. While the components of the step have evolved over time the basic system has remained the same.

The following information appears in the current Kwikee step owner's manual. See your owner's manual for the information specific to the step used on your Winnebago Industries product.

Lubrication

KwikLube is available from your Winnebago Industries dealer. Ask for Winnebago Ind. part number 701193-05-000.

Clean all mud, salt and road grime from the step before lubricating. Lubricate all moving parts (bearings, pivot points, slides, clevis pin, and drive linkage ball) every 30 days with a good quality moisture and heat resistant penetrating grease.

KwikLube™ Spray Grease is specially formulated to lubricate Kwikee Electric Steps and is recommended for lubricating all moving parts. Refer to the figures at right for lubrication locations.

NOTE: Silicone lubricants and WD-40 are not recommended as they may evaporate and dry the mating surfaces which leave them vulnerable to the elements.

NOTE: Figures are to be used for general reference purposes only. Some

may not pertain to your particular step model.

1. Figures 1 and 3: Square shaft bearing—lubricate around outside and under the head of bearing.

2. Figure 4: On step models equipped with plastic cover, this cover will have to be removed to lubricate center bearings. Lubricate bearings under cover every 90 days.

3. Figure 4: Lubricate around the bushing-in-bushings.

4. Maintain clean, dry electrical connections at the two-way and four-way connectors and any butt connections leading from the four-connector to the vehicle. A small dab of di-electric grease at the connections and replacing corroded butt connections with heat shrink-type, crimp-style automotive connectors will help maintain a good electrical source for the step.

Maintenance in Salt Environment

To maintain step finish when step is exposed to a salt environment for extended periods of time, routinely spray the step with fresh water.

Continued on next page –

FIGURE 1

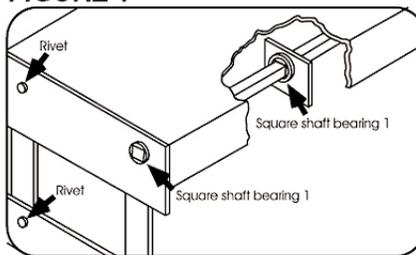


FIGURE 2

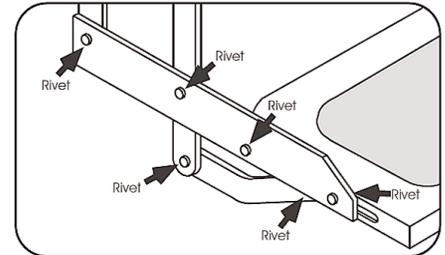


FIGURE 3

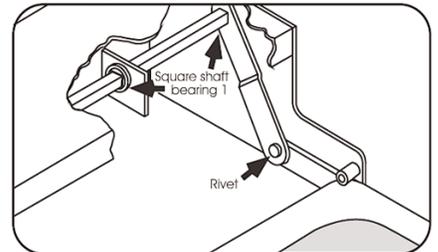


FIGURE 4

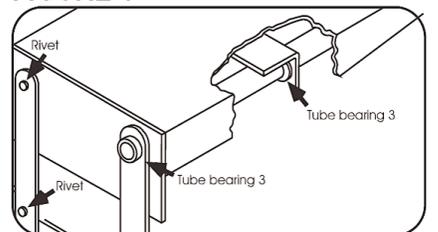


FIGURE 5

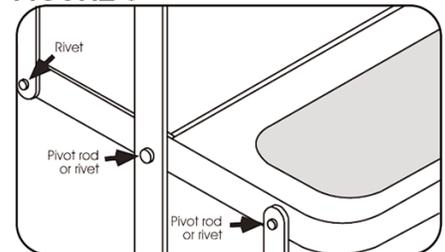


FIGURE 6

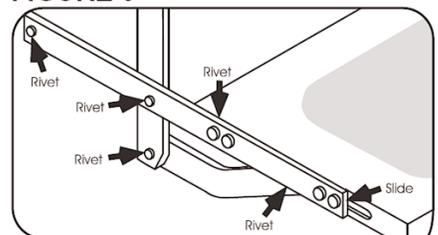
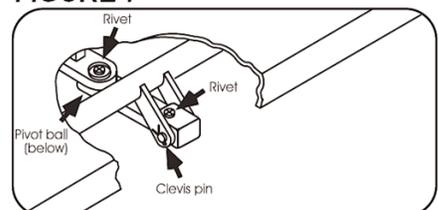


FIGURE 7



KwikLube™ is a unique aerosol grease that has hundreds of automotive, household and industrial uses in addition to lubricating Kwikee Electric Steps.

KwikLube sprays on (and into) places that are hard to reach. Then it changes from a penetrating fluid to a tough, protective grease in a matter of minutes.

The cured **KwikLube** film is impervious to moisture and can withstand temperatures above 400 degrees F (204 degrees C). This formulation also contains additives to prevent rust and reduce wear.

Service Tips

After thoroughly cleaning and lubricating your step, check the cam stops for proper adjustment using the following procedure:

Adjusting the Cam Stops

24, 25, 27, 28A*, 32, 34, 35, 36, 38 and 40 Series Steps

Kwikkee steps are fitted with adjustable cam stops on the step frame that help lock the step in the "out" position, creating a firm stepping platform. The cam is adjusted at the factory but may fall out of adjustment and

need to be tightened due to the rigors of shipping, installation and normal use.

The cam stops are located under the step top on the 28A*, 32, 36, and 38 Series Steps, and on the bottom tread side rail on the 24, 25, 27 and 40 Series Steps. There is one stop on each side of the step.

1. Loosen the stops so they move freely and retract the step.
2. Extend the step fully to its locked extended position (see Figure 8). Be sure that the motor assembly linkage rests against the gear case as illustrated in Figure 8. Repeat if needed until the motor assembly locks in the extended position.
3. Push the stops against the leg and tighten securely (see Figure 9). Be sure that both stops are tightened and that they rest securely against the leg.
4. Retract and fully extend the step. Check the motor assembly to

CAUTION: When working under the step, be sure that the step cannot be activated and that nothing can get caught in the step mechanism.

be sure that it is locked all the way out, and that both stops are secure against the legs. Repeat the above procedures if needed to properly adjust the stops.

5. Push on the front edge of the step tread. If the step seems loose, repeat the above procedures. The stops may not be properly adjusted so that they rest tightly against the leg.

CAUTION: Be sure that nothing can get caught in the step while working on it.

*28A is Step Part Number 902829XXX.

! WARNING: When the cam stops are out of adjustment, the step may feel loose or "mushy" when stepped on. If the cam stops are not properly adjusted the step may not extend fully to the locked-out position. Using a step with loose or out-of-adjustment cam stops may cause damage to the motor assembly and/or the drive linkage.

Service Tips

If you have a topic you would like to see discussed in the Service Tips column in the future, please send your suggestions to the **WIT Club News**: by email, witclubnews@winnebagoind.com or mail them to WIT Club News at P.O. Box 268, Forest City, IA 50436-0268.

FIGURE 8: Gearbox and motor assembly.

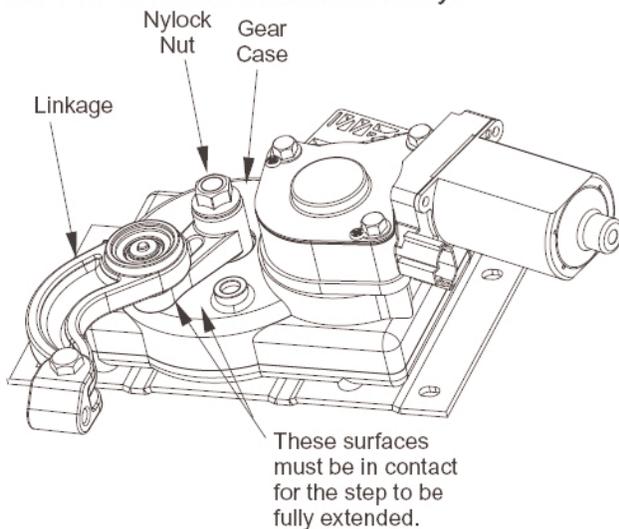


FIGURE 9: Stop location and assembly

