

Tightening or Replacing a Rivet Nut

Spinner® and Inspiration

Rivet nuts are used often in Star Trac products. These rivet nuts must be firmly installed into the frame for them to function. Should one of these rivet nuts be loose in a frame, Star Trac has created a kit to install new rivet nuts.

Note: Before replacing a rivet nut, use a 6mm hex key to ensure the original rivet nut is tight and does not need replacing.

Required Tools

- Hack saw
- 6mm Hex Key
- Flat head screw driver
- Rivet Nut Kit (PN: 300-0155) contains M5, M6 and M8 rivet nuts and bolts
- Hammer

1. In most cases, the rivet nut does not need to be replaced. It will most likely need to be tightened. Remove the screw using a 6mm hex key, place the plate and insert the screw back on. Tighten screw until it can no longer be turned (Fig. 1). If the rivet nut is stripped and keeps spinning, proceed to step #2.



Fig. 1

2. Remove the screw from the rivet nut to expose the washer (Fig. 2). If the screw is stripped, use a saw to cut off the head. Use a flat head screw driver to pry out the old washer plate (Fig. 3). The best technique is to bend inwards then use a hammer to tap the rivet nut into the frame.



Fig. 2

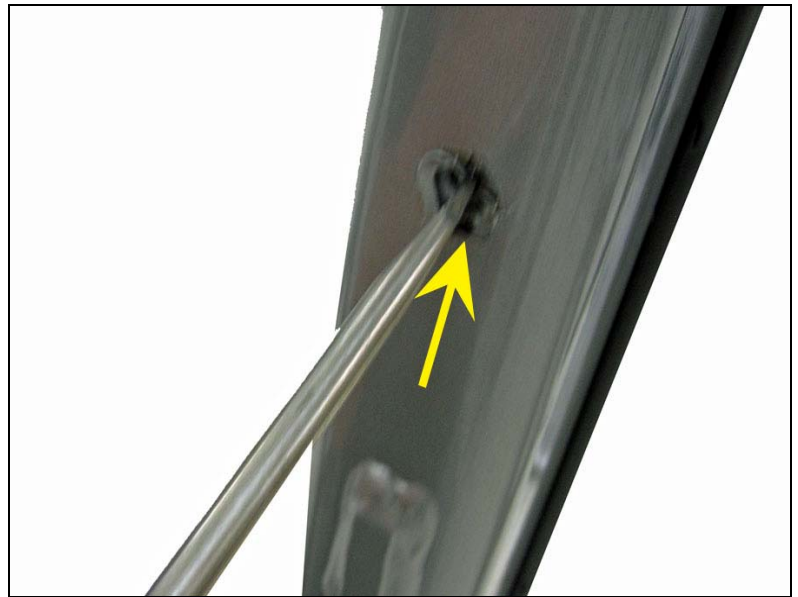


Fig.3

Once the rivet nut is pushed in, the frame slot is ready for the new rivet nut to be inserted (Fig. 4).



Fig. 4

3. The rivet nut kit (PN: 300-0155) will have a screw with washer rivet nut and a plate (Fig. 5 and Fig.6). Insert the screw through the plate then insert the rivet nut from the tip of the screw.



Fig. 5



Fig. 6

4. Insert the rivet into the slot. If the rivet nut is a bigger than the slot, tap it with a hammer (Fig. 7).



Fig. 7

5. After the insertion of the rivet, use a 6mm hex key to tighten. Make sure to turn it clockwise about 5 full times (Fig. 8).



Fig. 8

6. Unscrew it by turning it counter clockwise (Fig. 9).

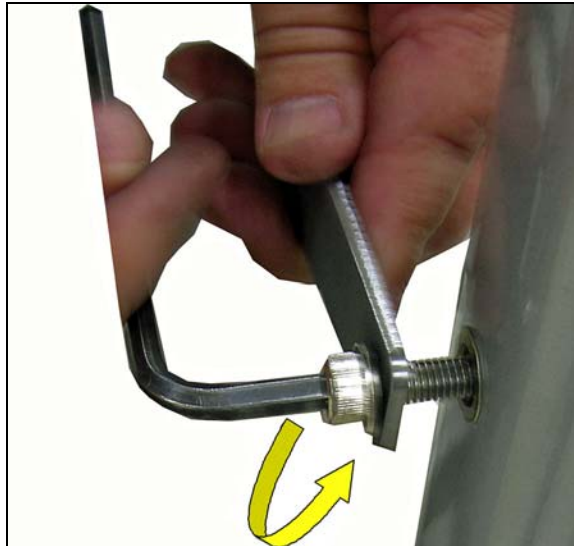


Fig. 9

7. The rivet nut should now be tight in the frame. If it is still loose, reinstall the plate/bolt and tighten one more revolution or until the rivet nut is tight (Fig. 10).



Fig. 10

8. Reassemble the machine.



Fig. 11