Replacing a Threaded Rod and/or Stop Block contained in the Channel of the BAL Retract-A-Spare tire carrier. This guide will also help with cable replacements and general disassembly.

⚠ WARNING

Do not use a cordless impact or drill to perform this repair. If the threaded rod is cross threaded into the plastic block, the cordless impact or drill will damage those threads. Use manual wrench or socket or by hand to feel the resistance of the rod into the block during reassembly.

Tips:

- Take photos of the assembly as you perform the task to ensure the parts are replaced in correct position.
- It might be convenient to remove the carrier from the RV to perform the task
- All photos are taken from the bottom view of the tire carrier.

1. Using a 3/4" wrench or socket, release about 12 inches of cable from the carrier by turning the nut counterclockwise.

2. Remove the retaining pin from the threaded rod using a punch or small nail. Tap lightly on the pin until it is about halfway out then rotate the threaded rod 180 degrees to finish removing the pin with a pair of plyers or vice grips.

3. If the female threaded block is damaged, you should now be able to slide the threaded rod out of the carrier channel. Please note the position of the flat washers. If the threaded rod block is still attached, use a 3/4" wrench or socket to unthread the rod from the block.

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4. Using two 9/16” wrenches or sockets, remove the bolt holding the plastic stop block from the carrier by sliding it out of the channel opening. Please note the routing of the cable on the stop block for reference during reassembly.

5. Using the cable, pull the threaded block towards the channel opening until it can be removed from the channel. If the threaded block is intact, note the routing of the cable on both blocks for reference during reassembly. Remove the cable & discard the block if damaged.

6. Using the new threaded block and the stop block, replace the cable by routing it as noted in steps above. Use the image below as a reference. The cable reinstalls against the channel wall and NOT pointing ‘up’.

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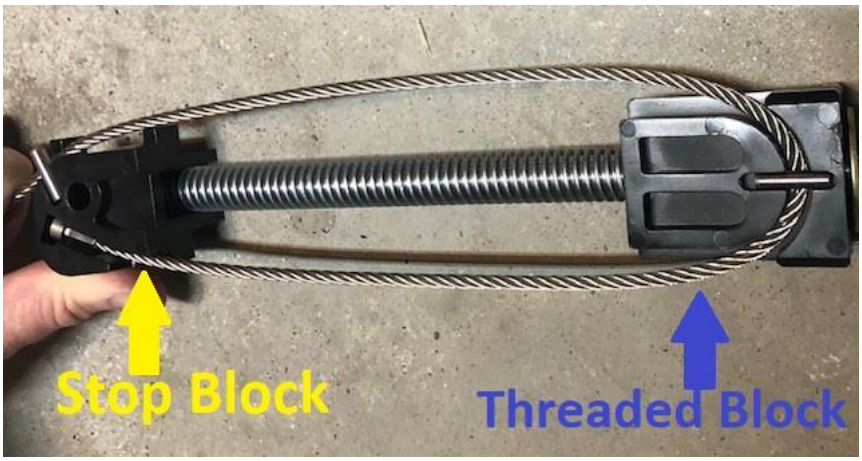

7. Place the threaded block with cable attached into the channel opening and slide it towards the drive end of the channel. Push the threaded block as far down the channel as possible keeping the cable in the correct routing location. Be sure to hold onto the end of the cable and not let it slip into the channel where it cannot be reached.

8. Reinsert the threaded rod into the carrier making sure one washer is on the drive nut side of carrier and the other is on the interior of the carrier. Refer to Step 2 photo for reference.

9. Carefully thread the rod clockwise into the threaded block BY HAND. Once you feel the rod catch the threads in the block, continue to HAND CRANK five revolutions to make sure the block is not cross threaded. Once you are sure that it is safely threaded together, use a 3/4" wrench or socket to continue to crank the rod into the block.

10. Attach the cable to the stop block as shown in the photo in Step 5 and 6 and reinsert into the channel opening. Slide the block towards the drive end of the channel until the holes in the channel line up with the hole in the stop block. Reinsert the 3/8” bolt and nut using 9/16” wrenches or sockets.

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Step 11: Continue to crank the threaded rod clockwise until the drive nut and exterior washer is positioned against the channel. DO NOT OVERTIGHTEN. Rotate the threaded rod to a position that the retaining pin can be inserted in the hole in the rod and reinstall by tapping lightly back into position. Make sure the washers are in the correct location.

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