



**POP-UP ROOF LIFT  
SYSTEM BALL SCREW  
REPLACEMENT MANUAL**

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DISCOUNTED

## Preparation

### Tools Required

- 3/8" Socket
- Ratchet
- Hammer
- 5/32" Punch

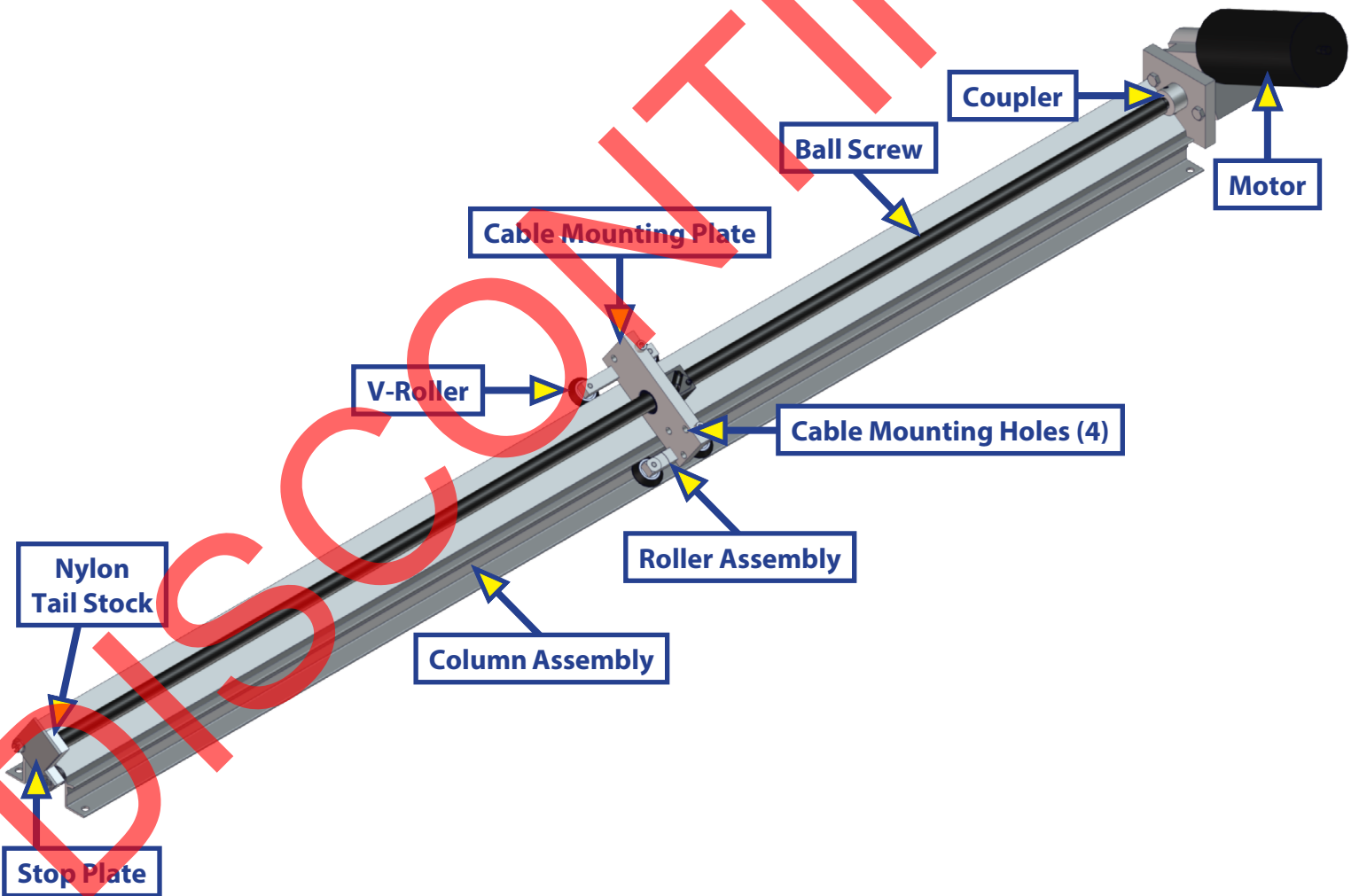
### Components Required

387323 - Pop-Up Camper Roller Assembly Replacement Kit

Includes:

- (1) Ball Screw and Roller Assembly
- (1) 5mm Dowel Pin
- (1) Stop Plate
- (1) Instruction Manual

### Full Assembly



**⚠ CAUTION**

Moving parts can pinch or crush. Keep clear.

**⚠ WARNING**

Ensure cable tension is relieved and pop-up roof is adequately supported at all four corners prior to starting the repair procedure. Failure to relieve the cable tension and properly support the roof can result in death, serious personal injury, or property damage.

**Procedure**

1. Identify each cable's location in the cable mounting plate and note on the cable to ensure correct placement during reassembly.
2. Remove nuts (Fig. 1A) from cables and remove the cables from the cable mounting plate.
3. Spin the ball screw (Fig. 1B) to move the cable mounting plate (Fig. 2A) to 6" from the end of the stop plate (Fig. 2C).
4. Remove the 1/4" - 20x1.25" screws (Fig. 2D) attaching the stop plate (Fig. 2C) (if installed) and nylon tail stock (Fig. 2B) to the column assembly (Fig. 2E) using the 3/8" socket and ratchet. Set the screws and tail stock aside. Discard the stop plate.

Fig. 1

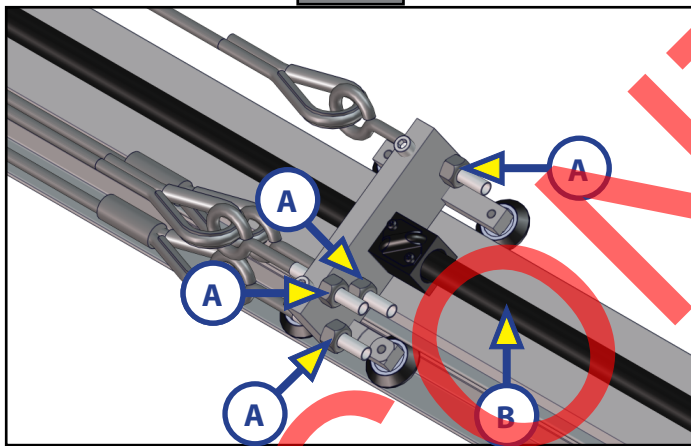
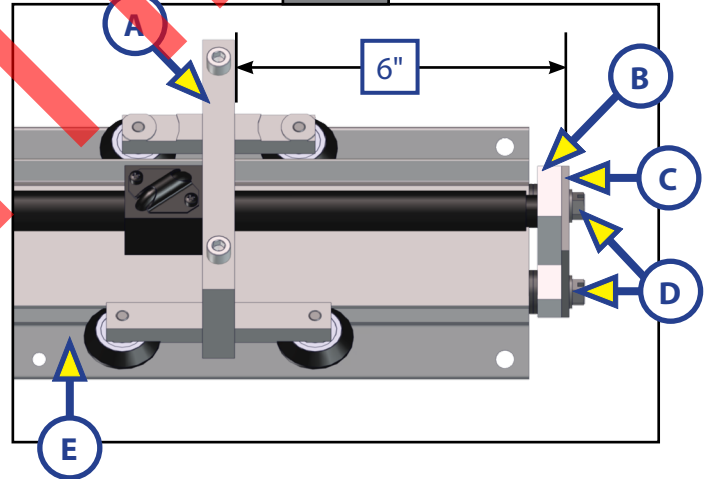
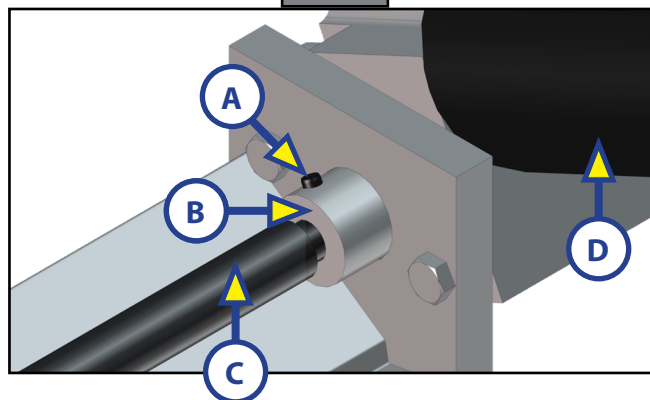


Fig. 2



5. Using the 5/32" punch and hammer, gently remove the 5mm dowel pin (Fig. 3A) out of the coupler (Fig. 3B) at the end of the ball screw (Fig. 3C) near the motor (Fig. 3D). Discard the dowel pin.

Fig. 3



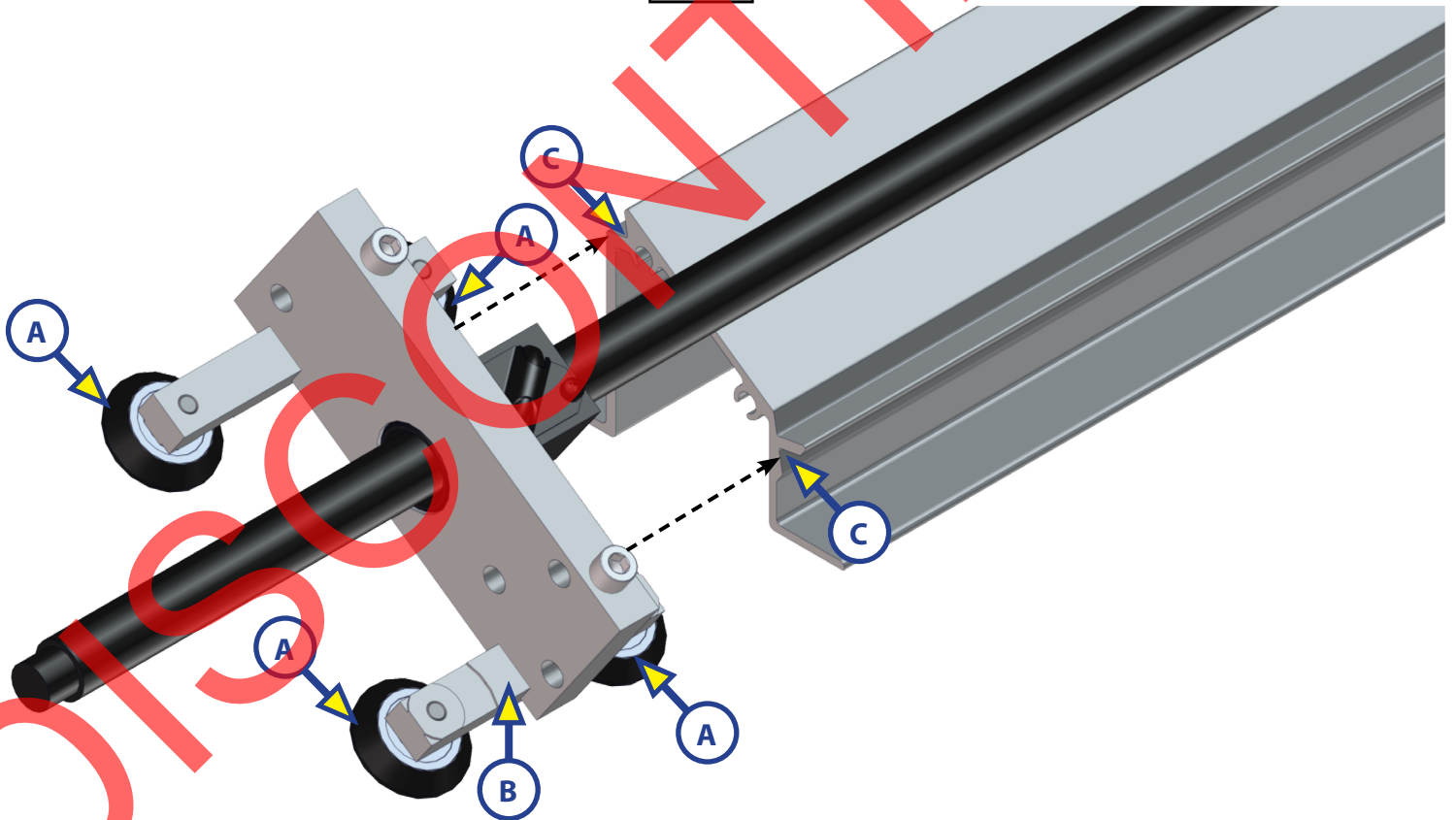
6. Once the stop plate (if installed), tail stock, and dowel pin have been removed, slide the ball screw and roller assembly out of the coupler and slide along the column assembly until the entire assembly is removed from the unit.
7. On the new ball screw and roller assembly, spin the ball screw until the cable mounting plate on the roller assembly is 6" from the stop plate end of the ball screw (Fig. 4).

Fig. 4

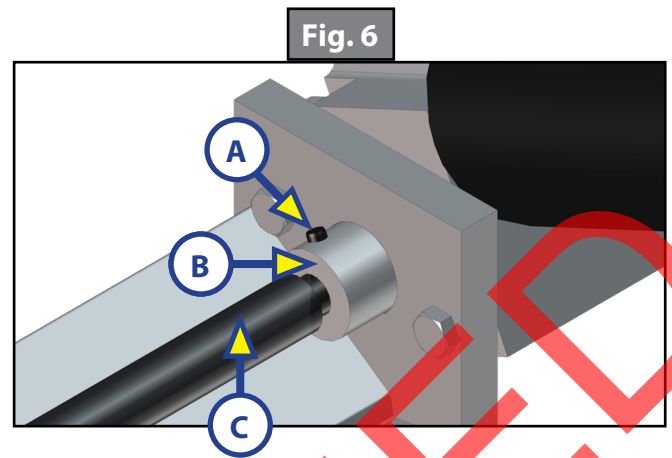


8. Align the v-rollers (Fig. 5A) on the roller assembly (Fig. 5B) with the grooves on the column assembly (Fig. 5C) and slide the entire ball screw and roller assembly onto the column assembly until the ball screw is engaged into the coupler at the motor end.

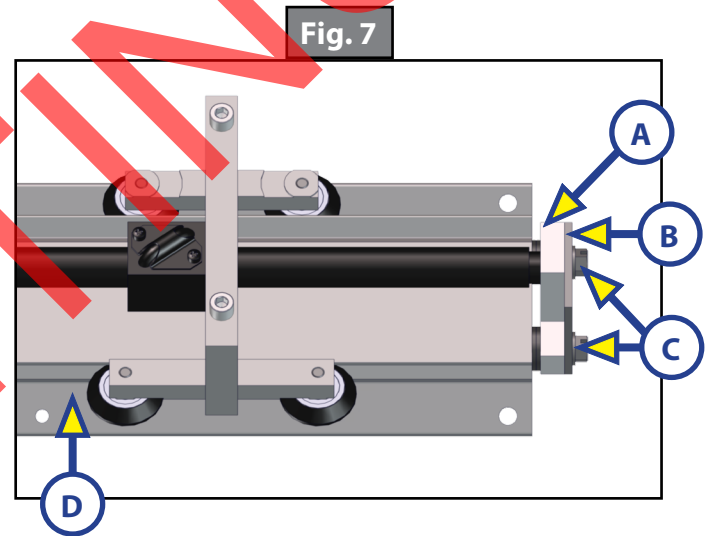
Fig. 5



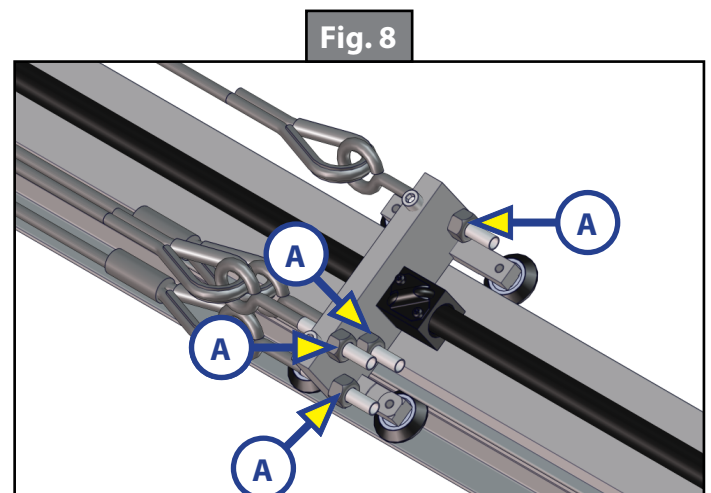
- Align the hole in the ball screw (Fig. 6C) with the hole in the coupler (Fig. 6B) and insert the new dowel pin (Fig. 6A) through the coupler and into the ball screw.



- Re-install the nylon tail stock (Fig. 7A) and install the new stop plate (Fig. 7B) onto the end of the column assembly (Fig. 7D) using the 1/4"-20x1.25" screws previously removed (Fig. 7C).



- Re-insert the cables into the cable mounting plate on the roller assembly in the identical locations they were removed from. Re-install the nuts onto the ends of the cables (Fig. 8A).
- Ensure cables are tightened evenly.
- Operate the roof lift several times to ensure the roof is extending and retracting evenly. Adjust cables as is necessary.



**NOTE:** Maintain cable tension and condition according to cable manufacturer's specifications.



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