

## Carco H110 Winch - Horizontal Roller Assembly Improvement

We are pleased to announce changes to the Model H110 horizontal roller assembly, Part Number 62291, that will increase the durability and service life of the product.

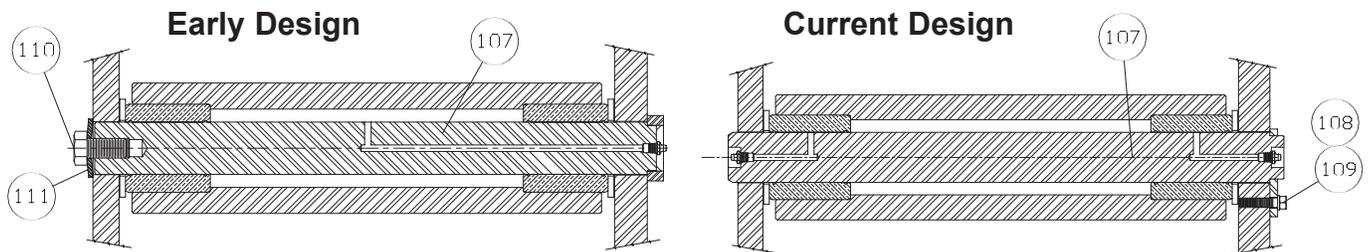
The improvement results in changing the following parts:

- Item 107, P/N 29316 Horizontal Roller Shaft (changed)
- Item 111, P/N 102008 Capscrew (eliminated)
- Item 110, P/N 29680 Spring Washer (eliminated)

New parts are:

- Item 107, P/N 103770 Horizontal Roller Shaft
- Item 108, P/N PA4L6454 Hex Head Capscrew
- Item 109, P/N 101440 Hardened Washer

The new horizontal roller shaft features two grease fittings for direct lubrication to each bushing. This is the same design as used on the vertical rollers.



This design change can be easily implemented in the field.

1. Support the horizontal roller using rope or some other positive retention method.
2. Remove the capscrew (item 110) and spring washer (item 111) securing the horizontal roller shaft assembly to the winch case LH wall.

**CAUTION** Roller weighs 72 lbs (32 kg)

3. Carefully remove the roller shaft (item 107) and spacer washers from the RH side of the winch. Safely lower the roller to the ground.
4. Install the new shaft from the RH side of the winch. Rotate the locking tab so it does not interfere with any other parts. Use a center punch to mark the drill location for the new retaining bolt (item 108). **NOTE:** The punch mark should be 1-13/16 in. from the center of the roller shaft. Remove the shaft and drill through the side plate with a 5/16 in. bit and tap with a 3/8 in. - 16 UNC tap.
6. Lift the roller into place and install spacer washers between side plates and roller, as the **new** roller shaft assembly (item 107) is slid into place from the RH side of the winch.
7. Align roller shaft bracket with the tapped hole and install capscrew (item 108) and hardened washer (item 109).
8. Lubricate new shaft with NLGI Grade II, moly-type grease until grease appears around spacer washers at both ends of roller