

Sliding Door Roller Replacement

Patio sliding dual pane glass door (37" W x 93.5" H (2'3" taller than my height) x 2" D for 72" x 96" door frame size) is so heavy to handle.

It is hard to manually disengage the sliding door from the track groove even if two adults can join the work.

An adult can easily bring up left-hand portion of the door by firmly gripping the door hand by using both hands. However, on right-hand portion of the door, there is nothing to be able to firmly grip and no space to slip fingers in to hold the door.

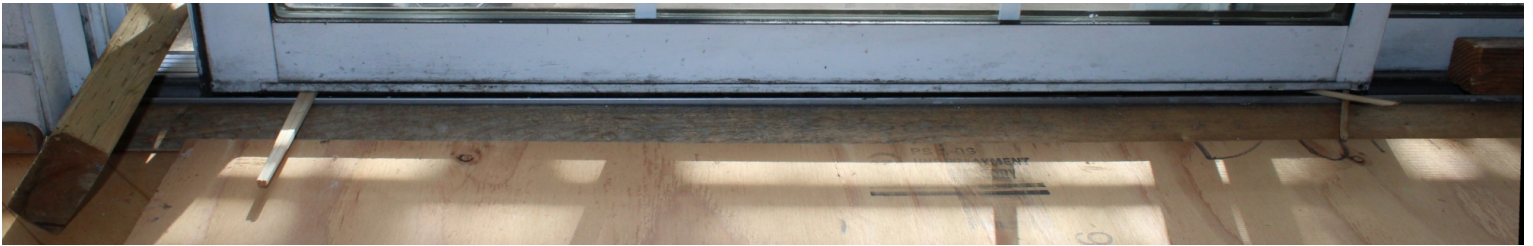
I introduce one of easier way which does not need consuming big physical power and man power (head counts) and makes possible the replacement of a broken wheel roller assembly to a brand-new one for the purpose of resurrecting smooth sliding at the final stage.

First of all, deploy a protection board on floor not to get damaged.

Adjust the wheel roller position to "highest" by rotating Phillips driver anti-clockwise.



From left;
Chop sticks for keeping door bottom up,
Long flat driver working as a leverage to make the right-hand side door bottom up,
2x2 lumber for leverage platform



From left;
2x4 Lumber for stopping door slip,
Chop sticks for keeping door bottom up,
2x2 Lumber for leverage platform



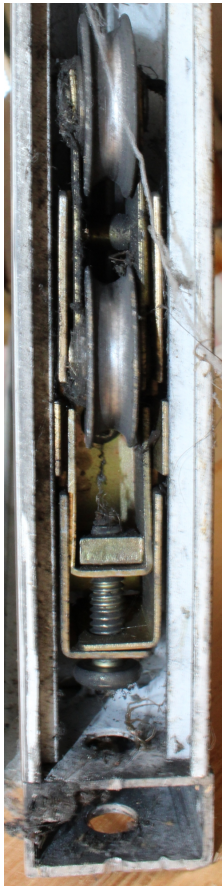
Aperture shows wheel rollers shifted to highest position by Phillips driver rotating anti-clockwise beforehand



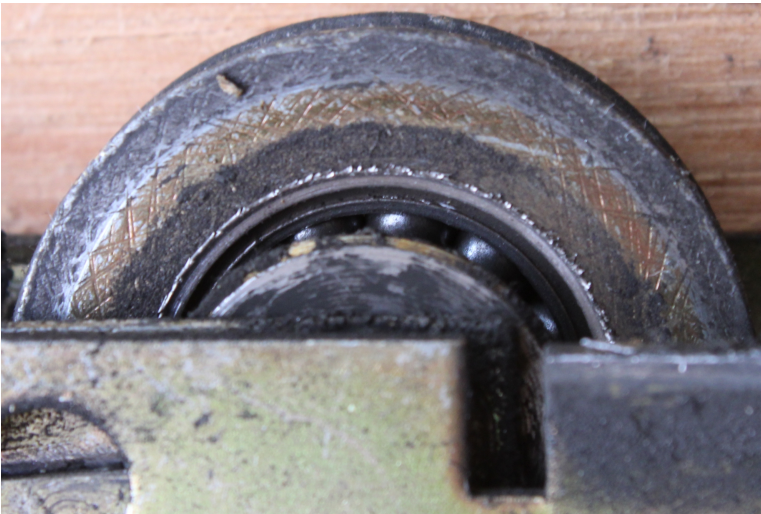
Disengaging stage 1



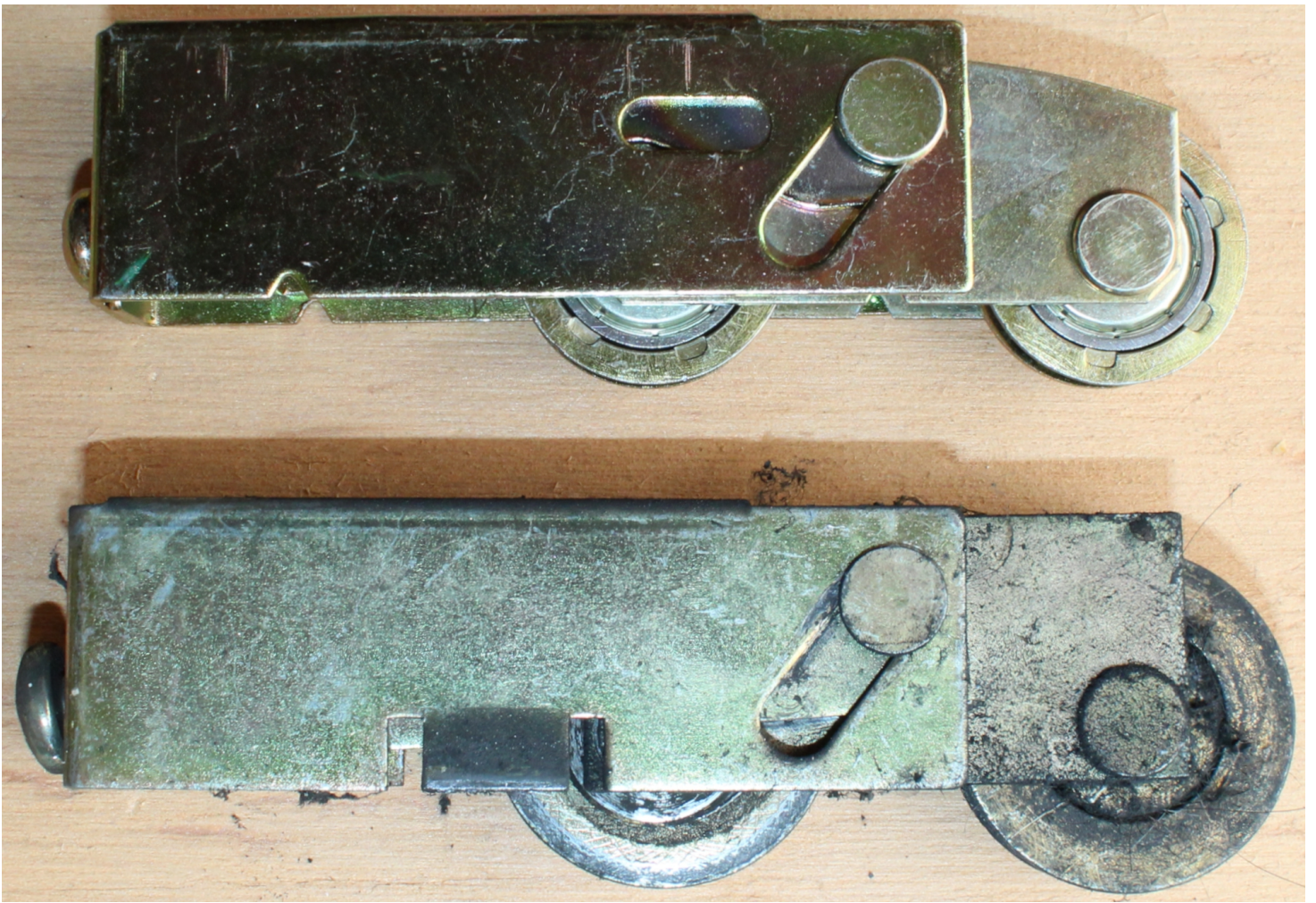
Disengaging stage 2



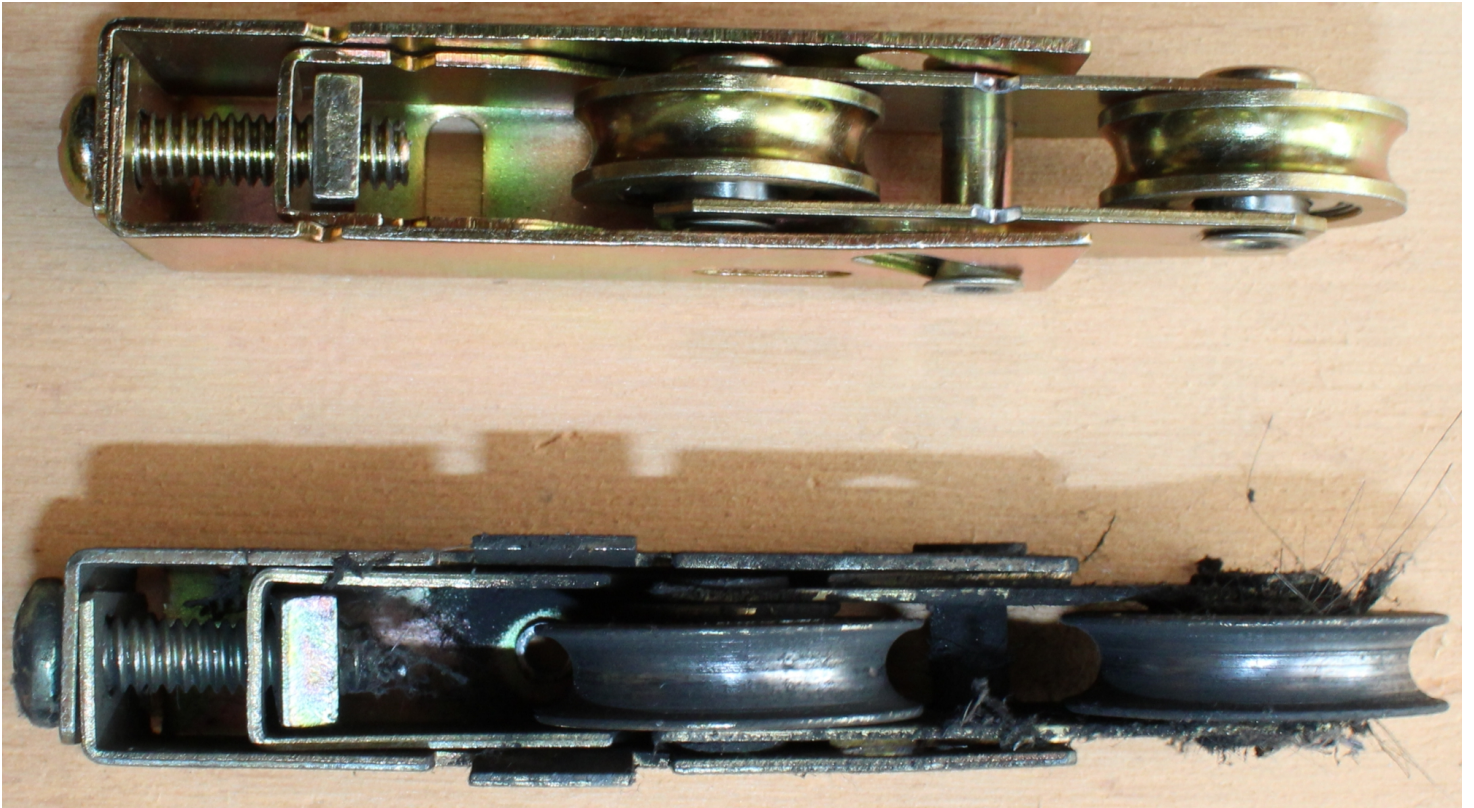
Wheel roller assembly (LH) Wheel roller assembly (RH)



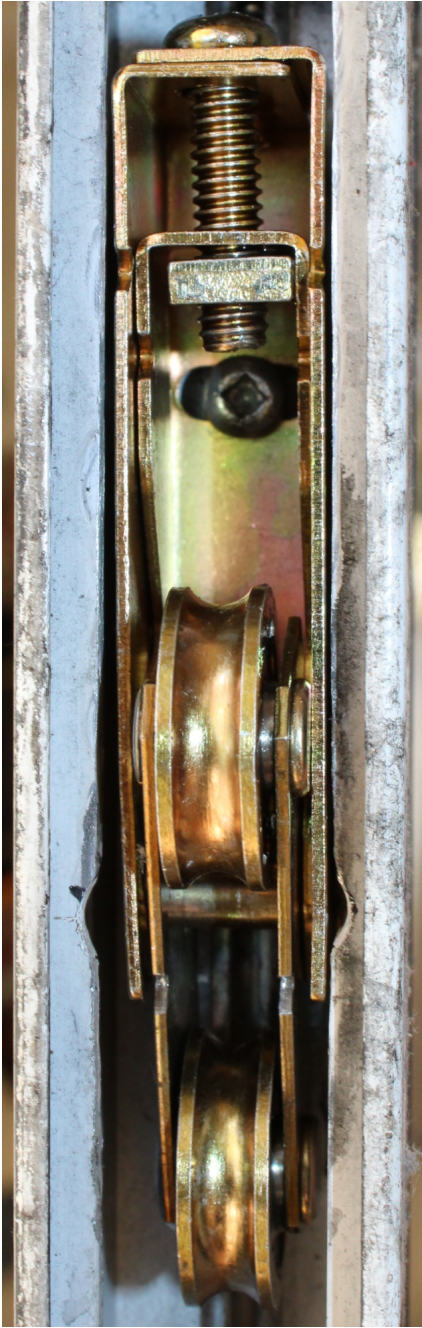
Broken bearing of left most wheel roller



Side view of wheel roller assembly (New (up; 1" diameter) & Old (down; 1 1/4" diameter) (Highest position))



Top view of wheel roller assembly (New (up; 1" diameter) & Old (down; 1 1/4" diameter) (Highest position))



New roller assembly attached



Height adjustment



Highest position of wheel roller



Lowest position of wheel roller



Re-engaging stage 1



Re-engaging stage 2



Re-engaged (Down)



Re-engaged (Up)



Top; 2x2 lumber for leverage platform
From left; WD40 lubricant to get smooth roller movement,
Chop sticks to hold door bottom position, Phillips driver for roller height adjustment,
Square head driver for attaching wheel roller assembly, Flat head driver for a leverage,
Citrus cleaner for cleaning track and the groove, 2x4 Lumber for stopping door slip