Compact Jack Shaft Connector Replacement Notes

Before removing the Jack/Lam sections it is important to mark/number them so that they can be reinstalled in the exact same order as they are not all the same (the metal jack to lam bars will have different lengths). The jack/lams should also not be rotated from their original position. It is also important to note the distribution of washers between the jacks as they are removed. We suggest that painter’s tape be used to identify the jack number and the front before they are removed. The 4 to 8 shaft upgrade assembly manuals on our website can also be used to identify the proper assembly of the jack box.

To replace the jack shaft connector, the two metal roll pins that attach the connector to the left and right wooden jack have to be moved enough that the metal connector can be removed. A punch tool is provided that will allow the roll pin to be punched out using a hammer. Note that by not completely removing the roll pin, it will be easier to reinstall it with the new connector.

The jack should be placed so it is positioned flat on a table with the roll pin hole slightly overhanging the table edge. Then holding the jack down on the table, the punch is positioned on the roll pin and gently tapped with the hammer to move it down until it extends out the other side enough that the connector is released.

When replacing the old jack shaft connector with the new one, it is important to position the new connector so it folds in the same way and the rivet head matches the one on the old connector as in the picture below. All jack/lam assemblies in the jack box should be positioned the same way to ensure they don’t rub against each other.

The roll pin can then be gently tapped back in place with the hammer until it is flush with the wooden jack surface again. It may take a few tries to line the connector hole up with the roll pin hole in the wooden jack. Once the connectors are all changed, the jack box can be reassembled and the shafts reinstalled with one nut above the lower wooden shaft frame and one below.

Note that it may be neccessary to increase the diameter of the hole through each shaft frame slightly with a drill to fit the new threaded pin.