

# Tech Tip

FROM YOUR FRIENDS AT  
NEW YORK BUS SALES!



## BBCV/Vision Driver Seat Belt w/Body Mounted Adjustable Shoulder Strap

**Complaint –** Our “height challenged” drivers have the seat belt shoulder harness come across their chest and it rides “too” high causing the belt to come across their face even with the “slide” adjustment in the lowest position (See Figure #1)

**Cause –** There is not enough “vertical” adjustment and the shoulder harness is still too high.

**Correction –** Blue Bird earlier this year release a new driver seat belt which has a greater amount of adjustment especially lower to the seat and those drivers who previously had complaints have expressed that this upgrade has been the best feature change for them.  
New York Bus Sales has worked with Blue Bird engineering to make the new belt work in the older unit – Below are the steps in installing-

First locate the shoulder strap on the “slide” mounted to the body (Figure #2). Removing the plastic cap (Figure #3) reveals an 7/16” nut, removing that nut takes the shoulder harness from the slide, there will be a wafer washer along with the base to the plastic cover under the nut (Figure #4).

Next, just below the slide mount on the bow between the driver’s window and the first passenger window is the main driver belt mechanism (Figure #5). If you look closely at the top of the plastic cover you will see tabs which hold the cover on, picking up on the center where the belt goes through and pulling out (Figure #6).

Once the cover is removed there is 3/8” bolt which is below the belt (Figure #7), remove that bolt to remove the mechanism from the unit.

Next you will need to remove the lower part of the belt from the seat looking down between the left switch panel and seat you will see the seat belt mounted to seat with a 7/16” bolt (Figure #8), remove the bolt.

You now should have the old belt removed....to reinstall –

Locate the shoulder harness and the mounting point (Figure #9) using your fingers or a small screwdriver pry the plastic cap off of the mounting plate (Figure #10). Place the bracket on the upper slider installing the wafer washer behind the bracket and reusing the nut, Torque to 40 ft/lbs. and snap the cap back on (Figure #11 & #12)

Next mount the mechanism, please note the added hole in the panel (Figure #13), it is there to line the mechanism up with a tab on the back (Figure #14) and keep from spinning on the bolt. Install the 3/8” bolt and torque to 25 ft/lbs. You will also notice an orange plastic “holder” for the belt which is recommended in leaving until the belt is mounted Figure #15).

Next pull out the lower part of the belt to ensure it is straight and not twisted (Figure #16). Once you ensure it is straight bolt it to the lower part of the seat with the 7/16” bolt, on air seats there is a tether which you need to make sure is place against the seat first when installing the new belt (Figure #17).

Once the “male” portion of the belt has been installed, move to the “female” receptacle on the opposite side (Figure #18). Remove the 7/17” bolt and remove the receptacle, replacing it with the new one provided, again on air seats there is a tether which needs to mount closest to the seat (Figure #19). Position the receptacle as the original and torque the bolt to 40 ft/lbs. (Figure #20).

Place the slider at the highest possible position (Figure #21) and then the shoulder harness can be adjusted to a much lower position for those “height challenged” drivers (Figure #22).



Figure #1



Figure #2

***PART #10029959***



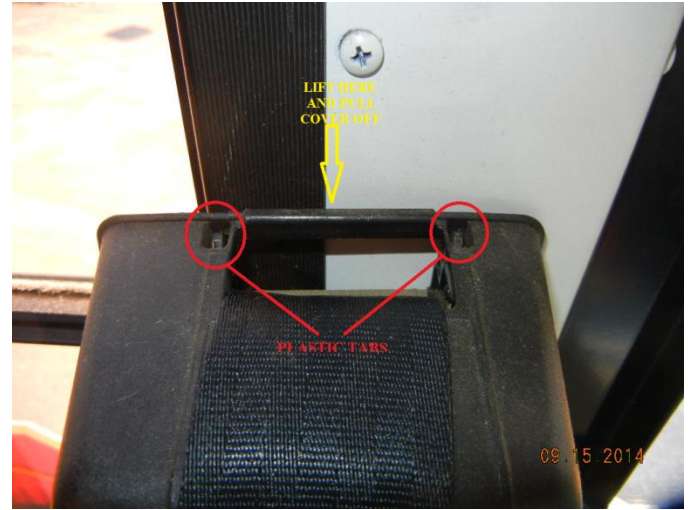
**Figure #3**



**Figure #4**



**Figure #5**



**Figure #6**



**Figure #7**



**Figure #8**



**Figure #9**



**Figure #10**



**Figure #11**



**Figure #12**



**Figure #13**



**Figure #14**



**Figure #15**



**Figure #16**



**Figure #17**



**Figure #18**



**Figure #19**



**Figure #20**



**Figure #21**



**Figure #22**



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