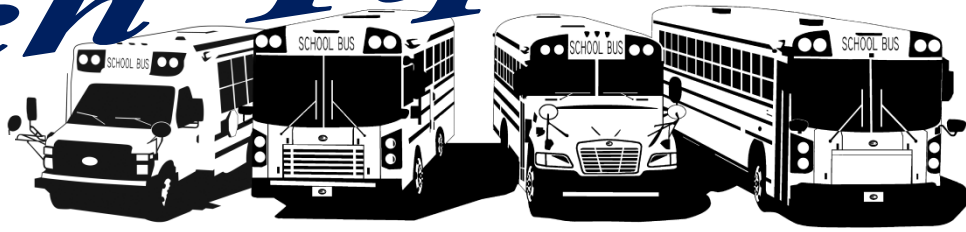


Tech Tip

FROM YOUR FRIENDS AT
NEW YORK BUS SALES!



BBCV (Vision) Steering Wheel Movement

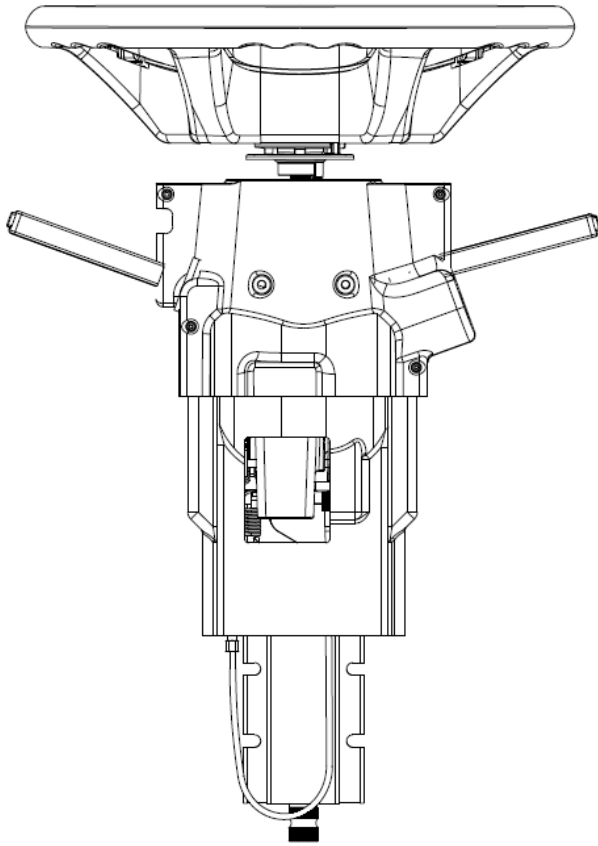
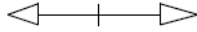
- Complaint –** There appears to be excessive movement in the steering wheel
- Cause –** Where as there is a specification to the movement, that should be checked.
- Correction –** Below is the specification along with the proper method to check it. Should the movement be over the limit then the steering column needs replacement as it is not a serviceable part.

Figure #1 below shows the allowable movement in the column – Follow the steps below to check the column for this movement.

- #1 – Position the column so that that it is straight (not tilted) and extended to the position closest to the driver.
- #2 – Remove the steering wheel from the column
- #3 – Using a “clamp” style holder mount, clamp the holder to the turn signal stalk (Figure #2) and position the dial indicator against the steering shaft and set to “zero” (Figure #3)
- #4 – Using a common fish scale, position the “hook” around the shaft below the indicator(Figure #4)
- #5 – Pull on the scale to apply 20 lbs. of pressure(Figure #5)
- #6 – Check the dial indicator to see the amount of movement the shaft has. (Figure #6)
 - PLEASE NOTE – The indicator needs to be read “backwards” as set up – As shown in the figure reading as you normally would it shows .095 movement when in actuality the reading is .005
- #7 – Reinstall the steering wheel and torque the nut to 40-50 ft/lbs.

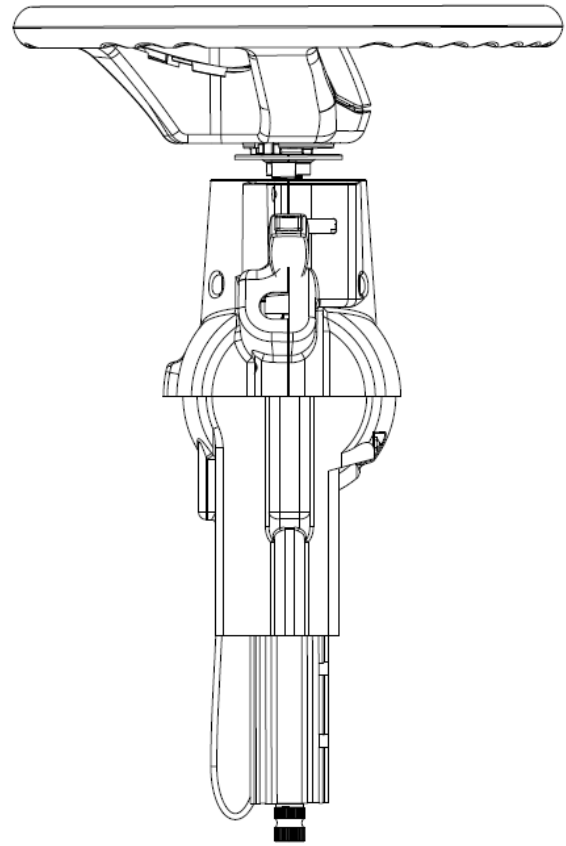
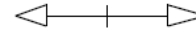
D3/BBCV STEERING COLUMN ASSEMBLY

ALLOWABLE LASH = $\pm .050$ "
w/ 20# LATERAL WHEEL FORCE APPLIED



REAR VIEW

ALLOWABLE LASH = $\pm .050$ "
w/ 20# FORE/AFT WHEEL FORCE APPLIED



RH VIEW

Figure #1



Figure #2



Figure #3

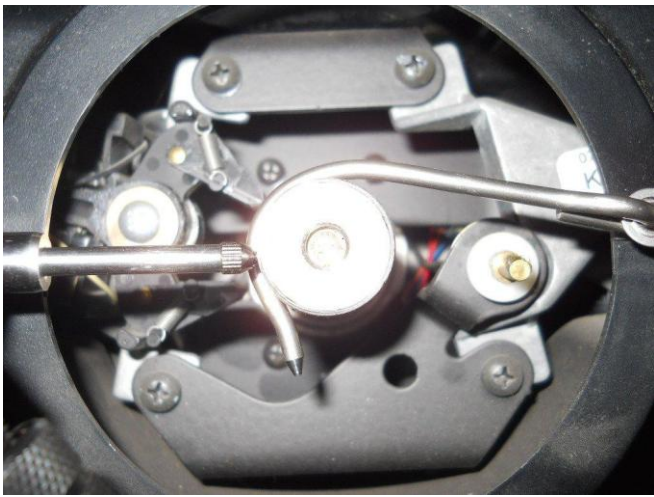


Figure #4



Figure #5



Figure #6

Contact Our Service Department With Any Questions

CHITTENANGO – phone 800-962-5768 or

Daryl Wallace : dwallace@newyorkbussales.com

Brian Lamaitis : blamaitis@newyorkbussales.com

ROCHESTER – phone 800-463-3232 or

Gary Chichester: gchichester@newyorkbussales.com

ALBANY – phone 866-867-1100 or

Ben Reiling: breiling@newyorkbussales.com

Steve Searles: ssearles@newyorkbussales.com

WARRANTY – 800-962-5768 ext 237

Morgan Jenkins: mjenkins@newyorkbussales.com



NEW YORK BUS SALES

ALL of our Tech Tips can be found on the New York Bus Sales website at

<http://www.newyorkbussales.com/pages/bulletins.cfm>

Or at the New York Head Mechanic website at

<http://www.nyhma.org/viewforum.php?f=2&start=0>