

Procedure to install the **chain redundancy kit**, part number 9369235000A, on the Crazy Bus ride

“Vertical Motor” Version

Note: There may be some slight variations in design from ride to ride. If you encounter a problem installing this kit, please contact Zamperla at 973 334 8133. Please have the serial number of the ride available.

The kit contains all the components required to perform the installation. The kit consists of two sprockets, spacer plates and hardware. The sprockets are sandwiched between the flange of the boom and the ring gear with the spacer plate. A drawing has been supplied to indicate the proper assembly. The counterweights, vehicle and booms must be removed to allow for proper installation.

1. Park the vehicle in the station position.
2. The upper counterweights must be removed. Use a forklift or similar to hold the counterweight while the mounting bolts and hinge pin is removed.
3. The vehicle must be removed. Remove the “U” brackets in the floor to release the vehicle from the boom arms.
4. Remove the ring gear covers that conceal the two rotary ring gears.
5. The two booms must be removed. Use a forklift to hold the booms (one at a time) and remove all flange bolts that secure it to the gear.
6. Use the drawing supplied to install the sprocket(s) and spacer plate(s) between the gear (s) and boom(s).
7. Replace the original hardware with the new hardware supplied. Use a torque wrench to torque the new hardware. See torque table on drawing for values.
8. After both sprockets and booms have been installed and properly torqued, the chain can be installed.
9. Lay the chain over one sprocket. Push and or pull the arms of the ride to allow a tight slack free chain tension. The chain may be joined with the full or half master link. A link of the chain may be removed if necessary.

10. The upper and lower chain should be aligned with little or no slack. Refer to View X on drawing 9369235000A for tolerance.
11. Install the chain tensioner. Refer to Chain Tensioner Installation Procedure to properly install the chain tensioner.
12. Apply good quality chain grease to the chain.
13. The ring gear covers may be discarded or modified to be reinstalled. You will need to custom cut and fit them to allow them to remount.
14. Test the ride slowly at first increasing speed to normal operating speed.

