

## UB/RB Drive Belt Alignment

### E-Series, S-Series, and 8 Series UB and RB Bikes

The upright and recumbent bike brake generator mounts to a plate on the chassis of the machine. (Fig. 1) If the generator is not in alignment, the belt can wear unevenly or possibly come off the pulleys. If this is the case an alignment adjustment to how the generator sits on the machine's chassis will need to happen.

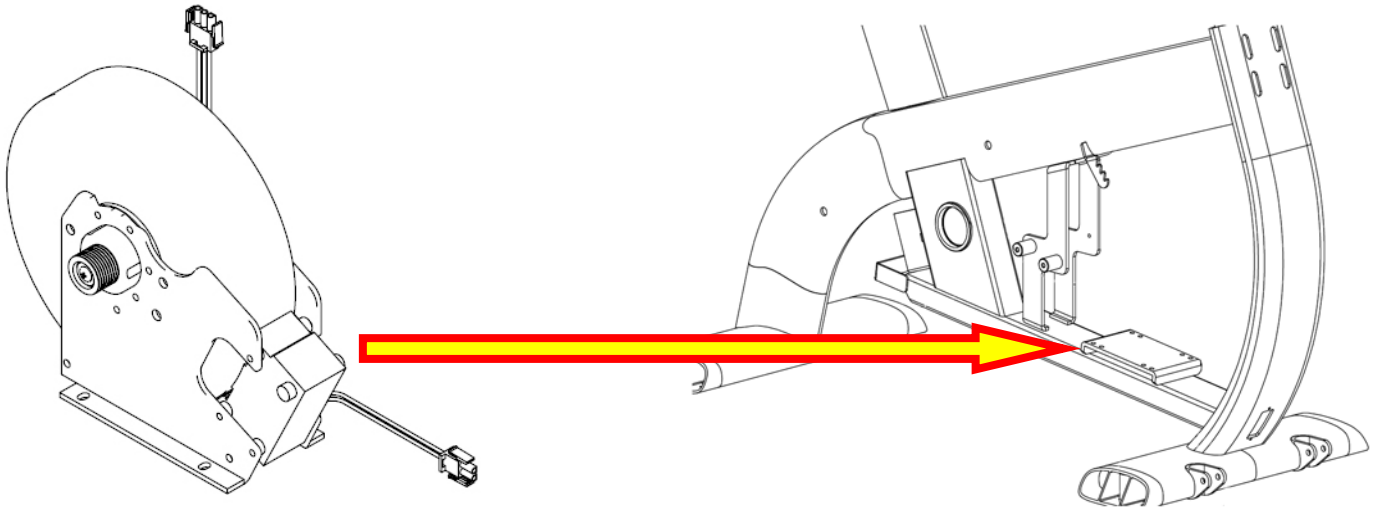


Fig. 1

The bottom bracket for this equipment mounts into the chassis and has no fore/aft adjustment ability. (Fig. 2)

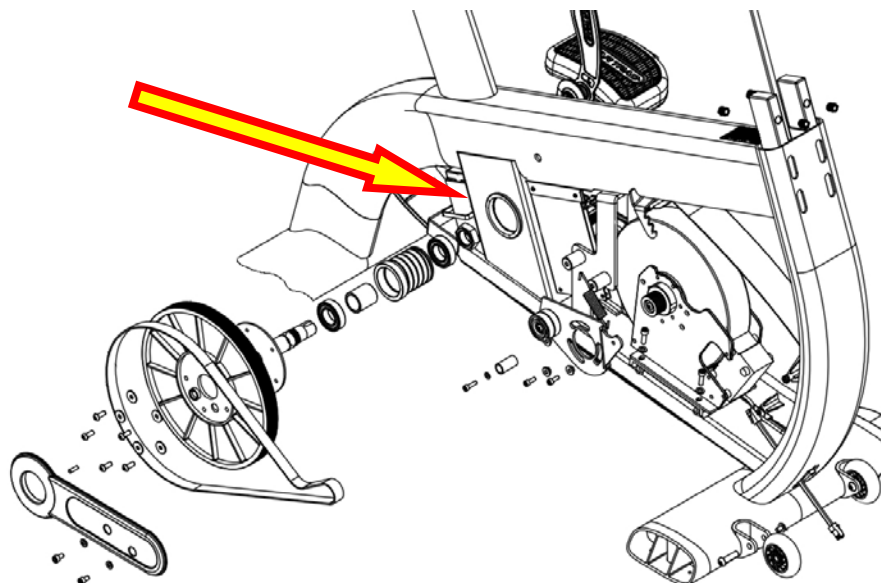


Fig. 2

To ensure the generator is in alignment to the flywheel pulley, use a straight edge between the two pulleys. (Fig. 3)

There should be no gaps when measuring with a straight edge. If so, generator adjustment is needed.



Fig. 3

The generator has slotted holes that allow for placement adjustment on the chassis. (Fig. 4)

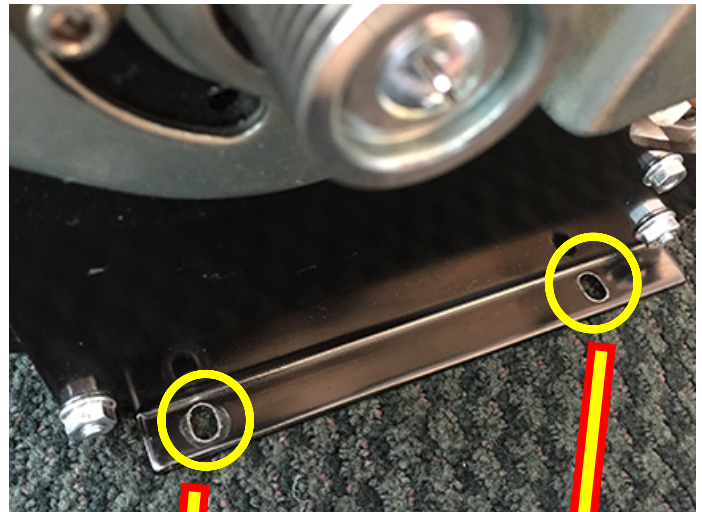


Fig. 4

With the generator mounted, take a measurement to ensure the same reveal is present from the front and rear of the generator. (Fig. 5 & 6)

Should the generator not be sitting truly on the machine, loosen the bolts that connect it to the chassis.

With the bolts loosened, adjust the placement of the generator and then re-tighten.



Fig. 5



Fig. 6

Once the generator has been realigned, retighten the bolts that hold the generator to the frame.

Re-check between the pulleys with a straight edge. (Fig. 7)

When the alignment has been verified, test functionality by pedaling the bike both forward and backwards.



Fig. 7