

WHAT TO CHECK TO AVOID A SLIT HUMPS IF THE BALL DOESN'T CENTER

There will be times when the ball just can't center fast enough for the first hump to catch it. This in itself is no issue unless the ball lift is sitting too high in the machine. It's always better to use the larger ball lift clutches on your lift with the Humpback. The timing of the humps is better with a slower rotating belt.

If the ball can't center in time for the first hump to catch it, the hump should pass the ball by and the next hump will catch it. The angle of the ball lift is important to avoid belt issues and is the reason we include an adjustable lower support (LL 300-002).

If the lift is sitting too high (vertical) in the machine, that means the top pulley is further from the uprails than it should be. It also means the bottom pulley is too close to the up rails. If the bottom pulley is too close to the uprails and the ball doesn't center, the first hump can't freely pass the ball by. The hump will still be in contact with the lower pulley when it contacts the ball and the hump can crack.

If the ball lift is angled so that the lower pulley is further back in the machine the hump will go past the pulley allowing it to concave out of the way of the ball preventing belt damage - again the purpose of the adjustable lower support.