

TREAD OVERLAP BALANCE

BLIN-06 Rev04

Note: The images in this BLIN are of the original Staun beadlock. It had white Sidewalls and orange Tread. The newer, made in the USA, Coyotes have nine-time stronger yellow Tread and twice as strong black Sidewalls. Further, the Air Channel is a black rectangle versus a white heart.

Problem: I can't balance my Coyote Dual, Internal, Pneumatic Boltless Beadlock equipped wheels. There are two possible causes for that.

Make sure that the tire pressure is below 45 PSI assuming that you are running the maximum beadlock pressure of 50 PSI. The tire pressure must always be at least 5 PSI less than the beadlock pressure and more difference is OK. My practice is to air-up the beadlock inner tube to 45 PSI, leaving a 5 PSI safety margin and then run up to 40 PSI in the primary tire air chamber.

The other most likely reason is that you did not place the Tread overlap (Fig. 1) opposite the Air Channel and beadlock inner tube valve stem.

Discussion: Coyote Dua, Internal, Pneumatic Boltless I Beadlock equipped wheels can always be balanced. The beadlock Case has a feature that helps overcome balance issues. Use the Case Tread overlap sewing area, the heaviest spot in the Case, to counter balance the Air Channel and beadlock inner tube valve stem as shown in Fig. 2.

Solution: Use the Tread overlap heavy spot to compensate for the Air Channel and beadlock inner tube valve stem (not shown). At installation, simply counter balance the Air Channel and inner tube valve stem by placing them 180° across from the Tread overlap.

Harry Lewellyn
(949) 645-7733
Harry@CoyoteEnts.com

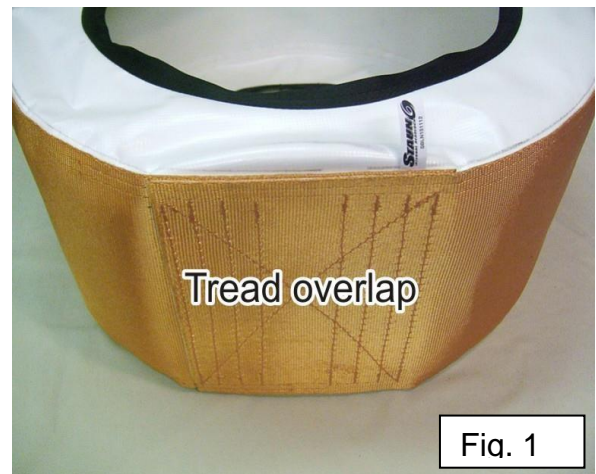


Fig. 1

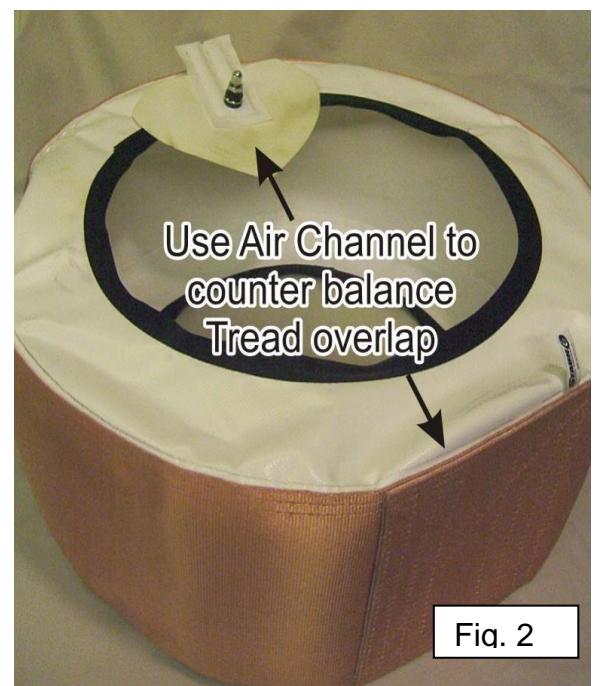


Fig. 2