

DETERMINING THE AIR CHANNEL LENGTH and INSTALL TIPS

BLIN-7 Rev04

OBJECTIVE: To determine if you need a long Air Channel and provide installation tips.

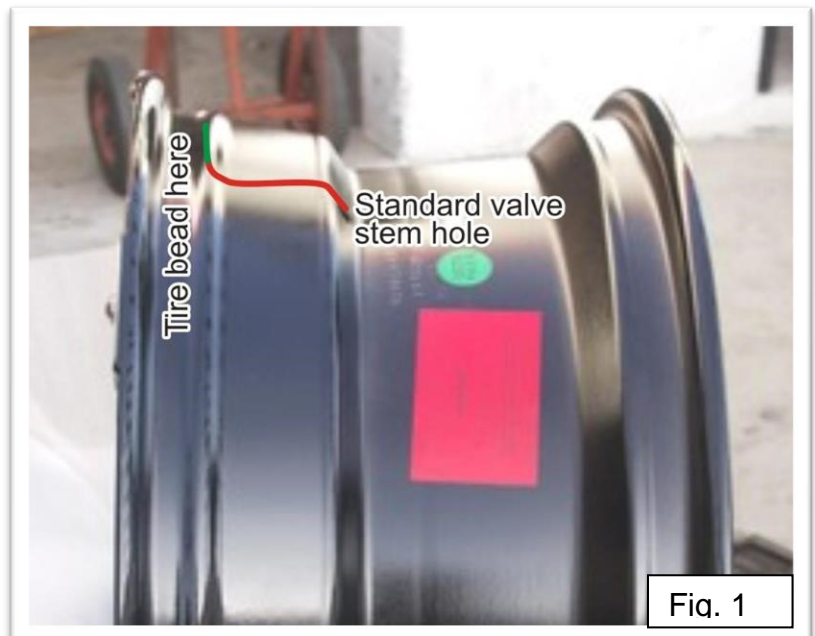
BACKGROUND: The purpose of the Air Channel is to allow air to freely pass from the Air Channel valve stem into and out of the tire's primary air chamber. A standard valve stem would be covered and "capped" OFF by the Coyote Beadlock inner tube at 50 psi.

Coyote Enterprises offers two lengths of Air Channels: the standard CEA01A and the longer CEA02. The five-inch long CEA01A is shipped with all beadlocks and is long enough to cover 95+% of all Coyote Beadlock installations. The ten-inch CEA02 is offered for more centrally located tire valve stem holes. It can be requested, at no additional cost, at the time of beadlock purchase. Here's a way to determine what you need.

DETERMINE AIR CHANNEL LENGTH NEEDED: With reference to Figure 1, use a piece of string to trace a path from the standard valve stem hole over to the rim's bead bump (red line) and up at least 2 inches (green line). The Air channel will follow this same path and end up between the tire bead and the beadlock Bead with the green end going up into the tire's primary air chamber. The string length represents the approximate length of the Air Channel required.

The CEA01A is 5" long and covers 95+% of all rims. If longer is needed, so state when you place your beadlock order over the phone. If discovered after you receive your order, call and get a Coyote Enterprises return material authorization number and return the unused CEA01As. Coyote Enterprises will ship you the same quantity returned of CEA02s back to the address provided at no cost other than shipping.

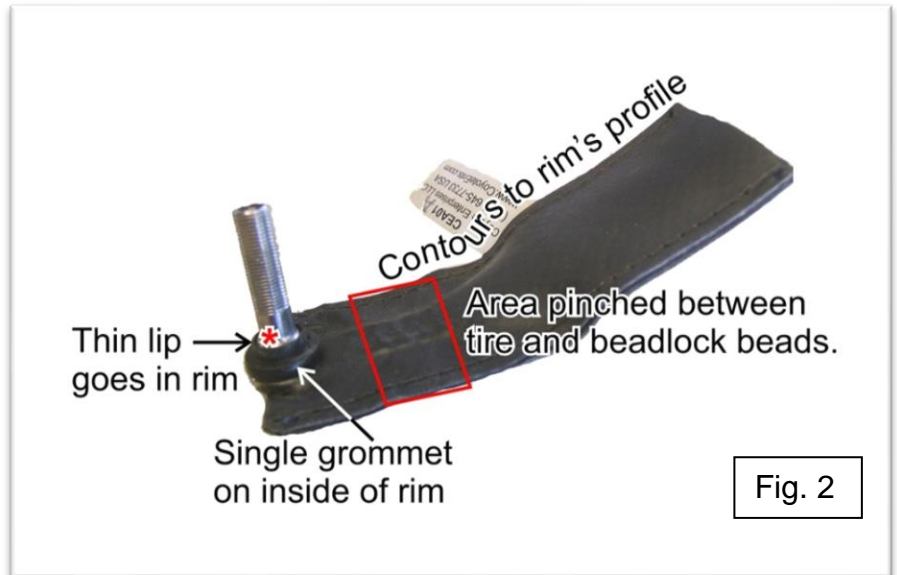
NOTE: More length into the tire's primary air chamber (green) is OK.



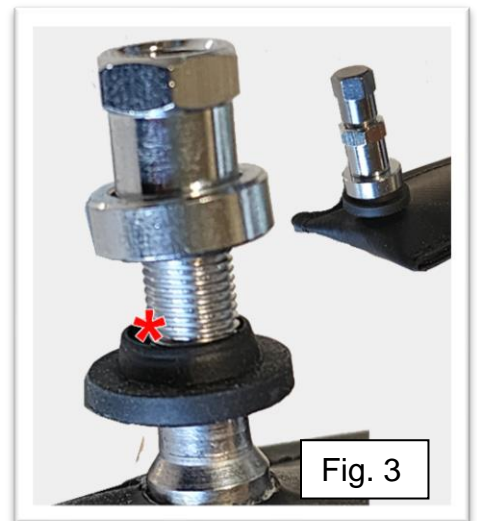
continued

ALIGN THE AIR CHANNEL:

The Air Channe is designed to follow the contour of the rim and keep the air (passage) channel open even when pinched between the tire and beadlock beads. It should be aligned to point straight into the tire's primary air chamber.



ALIGN THE AIR CHANNEL GROMMET: The thin lipped area (see *) of the grommet must be aligned in the original valve stem hole. Improperly aligned grommets lead to crushed and deformed, leaky grommets.



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