



THERE ARE 3 MAIN SET-UPS FOR THIS SYSTEM PROCEDURES COVERED IN SECTIONS I-III.

These are three important steps for any of the following three procedures:

- With each method you can attach the rope tie off to the prosthetic for double security or it can be used on a prosthetic where conditions may be unfavorable to a locking device.
- Whichever method you use, you should ensure the BLS string does not encounter any sharp edges or other unneeded wear on the string. This will cause pre-mature string wear.
- When pulling on the BLS string, do not pull on the weight at the end of the string. The weight may become detached, making it difficult to don the lanyard.

Whichever method you use, you should ensure the lanyard system is working properly before time of final assembly with your socket set-up. Check by hand, without the use of a liner. The plunger pin should be fully operational, make sure it can engage all the way. The wrench flats should be able to make contact with the top of the lock while engaged.

SECTION I

This section will be more common for a BK set-up and will typically not work for AK.

The BLS-12I lanyard set-up (the bonded pylon with a pre-fabricated guide and hole in the side.) *Special Note:* Do not drill a hole in the side of your existing pylon as this may weaken it to the point of failure! The prefabricated pylon from Bulldog® is reinforced with titanium!

With this set-up you can usually use four pin lengths with the Genesis locks and five pin lengths with the Ball Bearing locks. This may vary depending on socket thickness, component selection, etc. The BLS-G1.75-M10 for Genesis locks and the BLS-B1.50-M10 for Ball Bearing locks are the recommended lengths to use if applicable. The 1.00 inch pins should only be used as a necessity due to inadequate pin clearance.

If needed, Bulldog® spacer plates may be another alternative to add plunger pin clearance. When using plunger pins longer than both recommended styles (do not exceed sizes listed) plunger pin may remain approximately 2-4 clicks from being fully seated. Pulling downward on the string from the hole in the pylon may achieve more clicks in.

SECTION IA

Although you may not be able to pull the plunger pin until it is fully seated, you should be able to push the plunger pin in the remaining distance. This should be checked before use and before time of final assembly as this will vary depending on socket thickness and components used. If plunger pin will not fully seat - DO NOT USE- and proceed to the next shorter plunger pin until proper function is achieved.



SECTION II

This section is more common for AK's or situations where the lanyard can't make it through the lanyard pylon opening. You still require the lanyard to fully engage and disengage from the socket without detachment from the liner.

To achieve functioning in this step you will position AK plate 1 (AK-LAN1) to the bottom of the socket with the hollowed out side facing the socket and the bulldog facing the foot. You will then apply the AK plate 2 (AK-LAN2) to the bottom side of the AK plate 1. The slotted side of the AK plate 2 must be against AK plate 1 with the slots of both AK plate 1 and 2 aligned in the same direction. The smooth side of the AK plate 2 will be facing the foot.

The four hole component will go on the bottom of AK plate 2. The attachment screws will go through the four hole component, through AK plate 2 then AK plate 1 and through the socket into the locking device. This will hold the two plates between the socket and component. **Special Note:** Metric Grade 10.9 screws or stronger should only be used.

When used, you will drop the lanyard string through the lock and socket where it will sit in the slots of AK Plates 1 and 2. You will then ensure there is approximately 3.0 inches of slack in the string before jiggling the socket. With the slots of AK plates 1 and 2 facing the ground the end of the lanyard string will slide out. You will be able to grasp it and pull the leg into the socket. Please refer to [SECTION IA](#) for further instructions.

BLS-G1.00-M10 or BLS-G1.25-M10, for Genesis locks, and BLS-B1.00-M10 or BLS-B1.25-M10, for Ball Bearing locks are the recommended plunger pin lengths for this method. Added height to the prosthesis is approximately 0.75 inch.

SECTION III

This section will be more common for AK setup, or situations where the lanyard can't make it through to the lanyard pylon opening and height is an issue.

Added height to the prosthesis with this method will be approximately 0.380 inch. With this method you will not be able to fully disengage the lanyard from the socket without detachment from the liner. BLS-G1.00-M10 or BLS-G1.25-M10 (for Genesis locks) and BLS-B1.00-M10 or BLS-B1.25-M10, (for Ball Bearing locks) are the recommended plunger pin lengths for this method.

To achieve functioning with this method position AK plate 1 on bottom of socket. The hollowed out side should be against the socket with the bulldog facing the foot. Then, position the four-hole component on AK plate 1 (**when choosing the four hole component you must ensure it will leave a gap big enough for it to allow the string to freely move across the flat between the hole and the slot when everything is tightened**) and attach it to the locking device with only one screw at the current time. When finished all four screws must be in place in accordance with receiving end of the screws instructions. **Special Note:** Metric Grade 10.9 screws or stronger should only be used.

Do not tighten screws all the way, leave them approximately 1/16" loose. While keeping AK plate 1 positioning swing the four hole component off to the side so the center hole and the slot are completely visible. Drop the lanyard string through the lock, socket and the AK plate 1. Slide the four hole component back into place without disrupting the string from its placement in the slot of AK plate 1. Insert and tighten remaining screws. Then ensure the string is in its proper location and is functioning properly. With 1.00 inch plunger pins you may not be able to pull the plunger pin in until it is fully seated.