Procedure 3100: Cam Arm Replacement for Boss-Lock™ Couplers

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Process for Pull-Ring Safety Clip and EZ Boss-Lock™ Handles

☐ 1. Inspect safety pin lug (see item 2 below) as follows:
   a. For handles having the pull ring safety clip, a hole in the pin lug must be present. If the hole is closed or the lug is worn down to the hole, discard the coupler.
   b. For EZ Boss-Lock™ handles, if the pin lug (see item 2 below) is bent, worn, broken or in any way altered, discard the coupler.

☐ 2. Place the coupler in a vise as follows:
   a. Open the vise slightly wider than the coupler body width.
   b. Position the coupler so that it is resting on the safety pin lugs (see item 2 below).
   c. Position the coupler so the vise jaws will contact the coupler body (see item 1 below) just below the cam arm lugs (see item 3 below).
   d. Making sure that the cam arms (see item 4 below) are in the full open position, snug the vise on the coupler body.
   
   Caution! Do not tighten excessively. Excessive vise pressure can distort the coupler.

☐ 3. Using a standard round punch and hammer, tap the cam arm pin (see item 5 below) through the cam arm (see item 4 below) and through the opposite side cam arm lug (see item 3 below).

☐ 4. Holding on to the cam arm (see item 4 below), remove the punch from the cam arm lugs (see item 3 below) and lift out the cam arm.
   Note: Once the cam arm pins and cam arms have been removed, discard them. Never install used cam arm pins or used cam arms.

☐ 5. Using a new cam arm pin, place either end into the cam arm lug hole (see item 3 below). Using a hammer, gently tap the cam arm pin until it begins to enter the opening between the two cam arm lugs.

☐ 6. Using a new cam arm, position it between the cam arm lugs and gently tap the cam arm pin with a hammer until it enters the hole in the cam arm. Continue tapping the cam arm pin until it is flush with the cam arm lug.

☐ 7. Repeat the above steps for the other cam arm.
   Note: Always replace both cam arm pins and both cam arms even if only one cam arm is damaged.

☐ 8. Inspect as follows:
   a. For Pull Ring Safety Clip Handles:
      1) Close the cam arm.
      2) Insert clip part of pull ring through the hole in the safety pin lug.
      3) Repeat above for the other cam arm.
      4) If both clips do not successfully engage the pin lug, remove cam arms and pins and discard the coupler.
   b. For EZ Boss-Lock™ handles:
      1) Close the cam arm.
      2) Grasp the pull ring and attempt to pull the cam arm away from the coupler body
      3) Repeat above for the other cam arm. If either cam arm opens up, remove the cam arm and pins and discard the coupler.