

SmartBar Cam Dislocation Fix Instructions

Initial Diagnosis

A scenario has been identified whereby if the SmartBar is subjected to certain kinds of drops, the parts holding in the grey Cams (or 'teeth') can dislocate from their correct positions. Once this dislocation has occurred, it is difficult or impossible to remove weights from the bar.

Cam Dislocation should be considered as a possible cause when the following symptoms are observed:

- The release handle cannot be pulled to the fully open position, and;
- One or more cams cannot be manually retracted fully (this is likely to be one of the two outer cams).



Cam cannot be manually retracted



Dislocated Cam

NOTE: When a case of cam dislocation is found, please supply the following information:

1. Bar serial number
2. Information on the weights attached to the bar
3. Any available information on the incident(s) that preceded the cam dislocation.
4. Where possible, photos of the bar should be provided, showing the loaded weights, which cam is dislocated etc.

Cam dislocation can usually be fixed through a simple process, with no replacement parts required. This process is outlined below and should take around 1.5 minutes.

Weight Plate Removal

Due to the cam dislocation, the weight plates will likely be difficult or impossible to remove. If the weight plates can be removed by forcing them past the dislocated cam, do this now.

If the weight plates cannot be removed by force, continue with the procedure with the plates in place.

Tools Required

Torx T-20 Screwdriver

Loosen Screws

Loosen all six Torx head screws on the side of the gator with the popped cam by approximately two full turns. This may require adjusting the position of any weights on the bar to allow the screwdriver to engage.

Loosen screws on this side



Dislocated cam



Push Cam Into Socket

Push firmly near the tip of the dislocated cam. The cam should snap back into place.



Re-Tighten & Check

Re-Tighten the six screws firmly.

Check gator function, the unit should now release weights normally

If the cam does not snap into place, please submit a warranty claim.