

NUMMECH PRODUCTS – SHOCKER SFT/NXT MARKER BODY

Nummech Shocker bodies have many changes from the OEM design, but most do not compromise using most common Shocker parts and upgrades. The following chart shows most of the factory/OEM parts, and some of the new parts.

	<u>SFT-style parts:</u>	<u>NXT-style part:</u>
Detents:	Compatible	Compatible (included)
Eye covers:	Compatible	Compatible (included)
Eye cover screws:	Not compatible	Compatible (included)
Solenoid inserts:	(not used)	(not used)
Underside set screws:	(not used)	(not used)
Vision eye ribbon:	Compatible	Compatible
Vertical adapter:	Compatible	Compatible
Solenoid manifold:	Compatible	Compatible
Firing assembly:	Compatible	Compatible
Frame:	Compatible with modification	Compatible
Feedneck:	Empire boss-latch feedneck required	
Barrel:	Autococker barrel required	
Solenoid port set screws:	New #10-32 set screws required (included)	
Transfer plate screws:	New #4-40 x 3/16" cap screws required (included)	
Transfer plate o-rings:	New o-rings (included)	

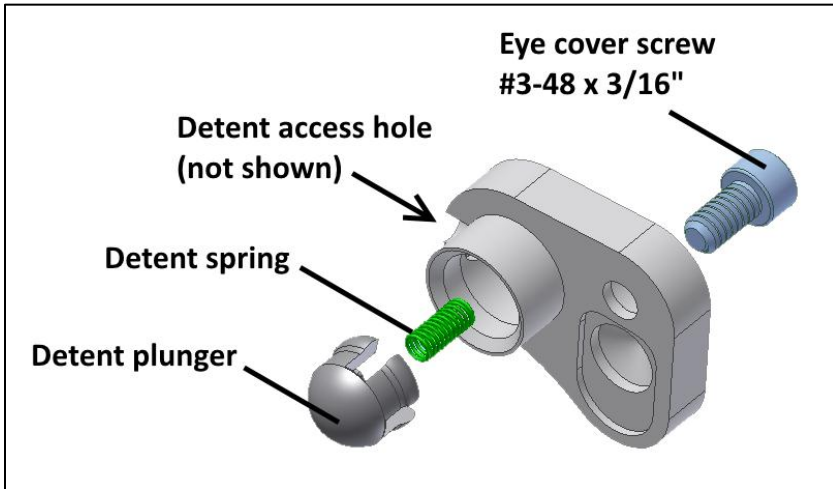
For more information, visit ZDSPB.com and check the Shocker SFT or Shocker NXT tech section.
 Direct link: www.zdspb.com/tech/mguide/shockersft/parts_body_nummech.html

Barrel:

Nummech Shocker bodies accept Autococker-threaded barrels. The bodies are equipped with “fast start” threads.

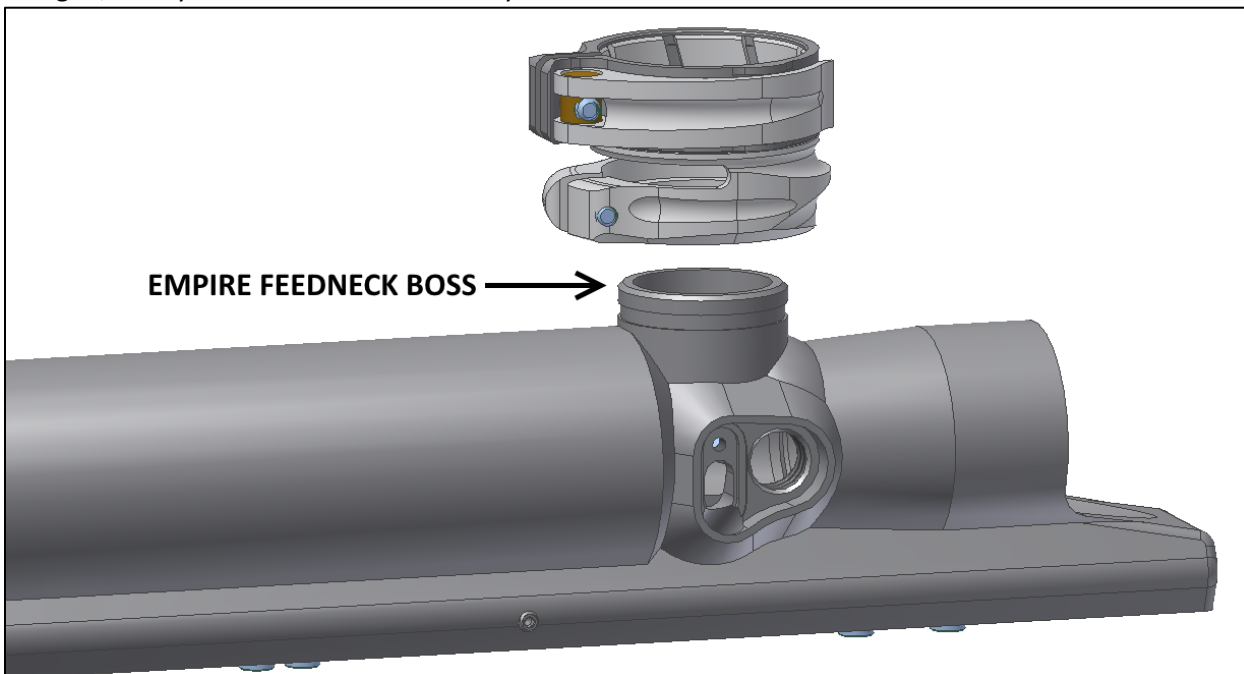
Detents:

Most Nummech bodies ship with matching NXT eye covers and detents ready to be used. All parts are compatible with factory/OEM NXT detent assemblies. The marker bodies are also compatible with SFT-style threaded ball detents if necessary.



Feedneck specifications:

Nummech bodies are compatible with any boss-latching feedneck made to fit Empire's specifications. This feedneck is directly compatible with Empire Mini-GS, Empire Axe Pro, Resurrection Autococker, Empire Vanquish, J4 Torque, Lurker Paragon, or any feedneck manufactured by Nummech.



Transfer plate: (o-rings, screws)

Nummech bodies are broken into two sections, the main bore on top, and the TRANSFER PLATE on bottom. The two sections attach together using new cap screws, and the air passages are sealed using new o-rings. The transfer plate connection is a low-maintenance item and need not be disassembled, unless performing *complete* maintenance on a marker body.

Below is a list of the transfer plate o-rings:

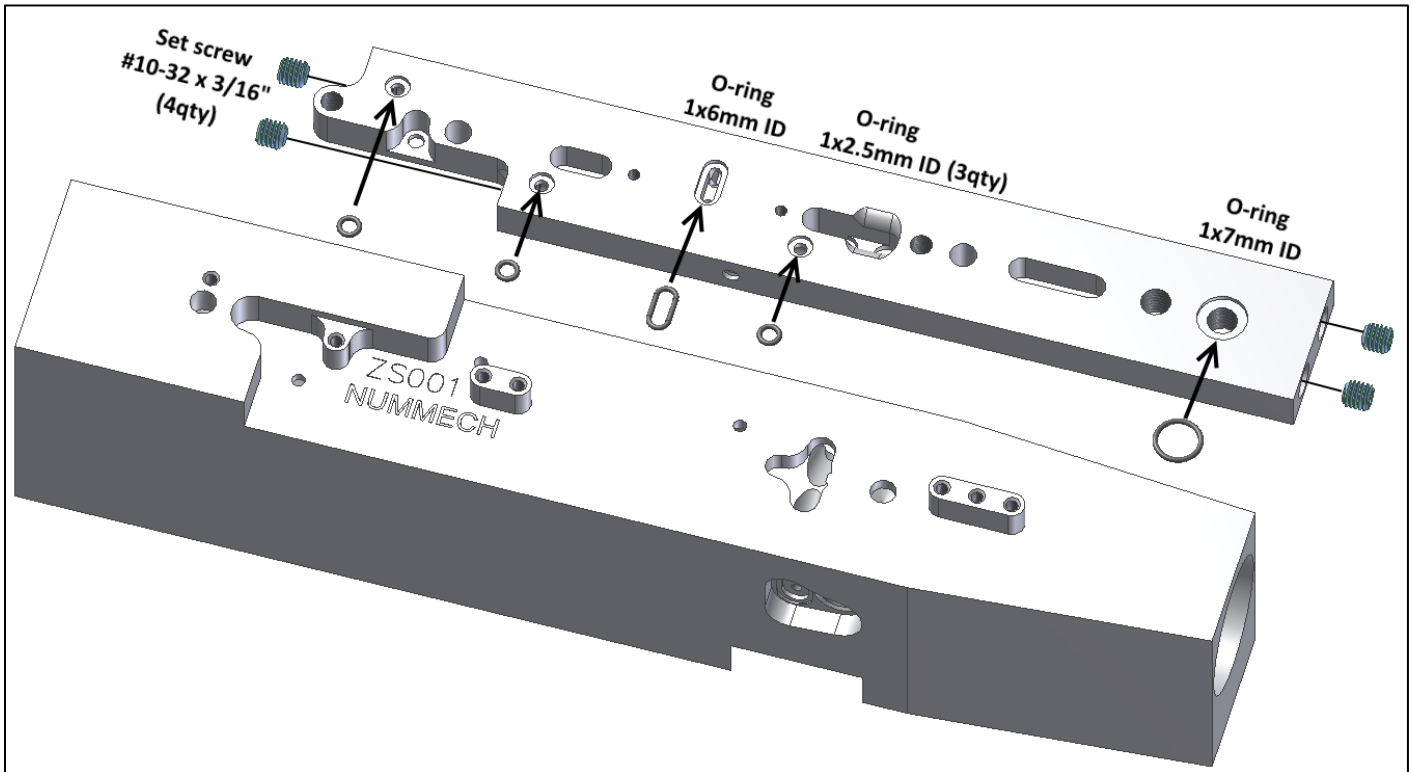
O-ring 1x2.5-mm ID (3 quantity)

O-ring 1x6-mm ID (1 quantity)

O-ring 1x7-mm ID (1 quantity)

Loctited set screws: #10-32 thread x 3/16" length (4 quantity)

Socket head cap screws: #4-40 x 3/16" length (5 quantity)

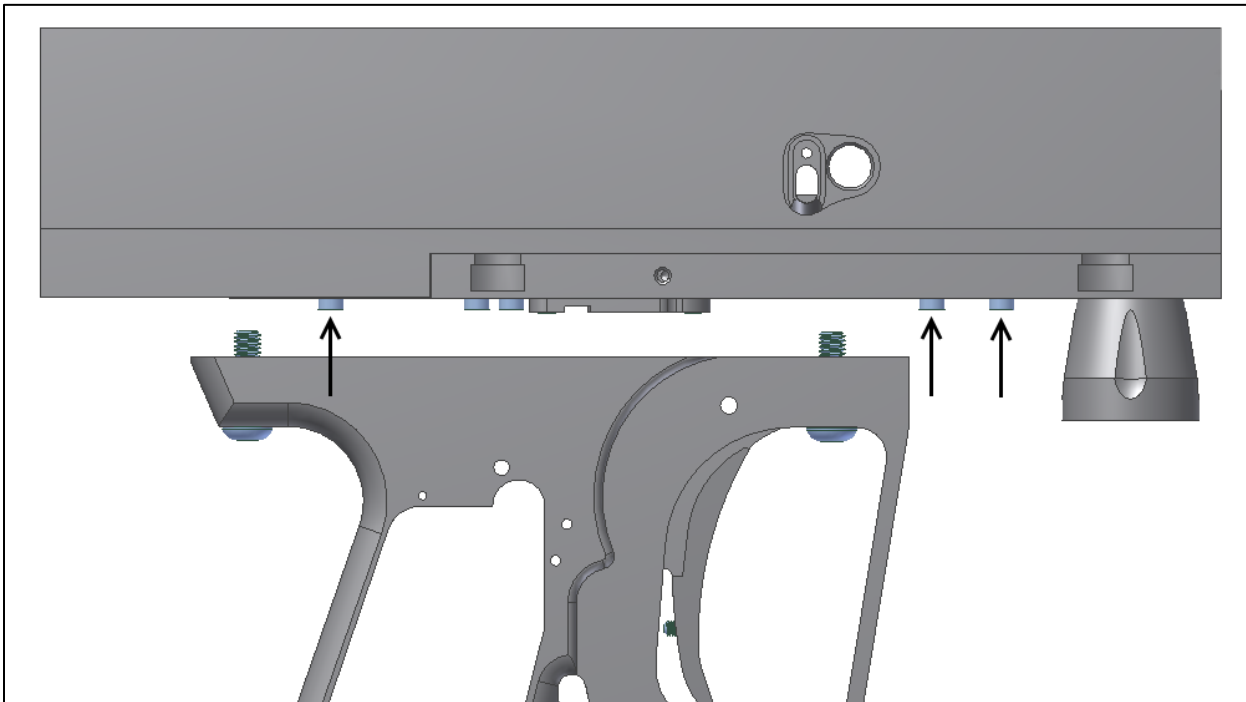


Note: Nummech bodies DO NOT use solenoid inserts or the small #4-40 set screws installed through the underside of the marker body.

Frame modification:

Nummech bodies require new cap screws on the body bottom, which might interfere with some Shocker/Nerve grip frames. A minor grip frame modification will be required. This modification is not visible from the outside of the marker and will not prevent the modified grip frame from being used on any other Shocker/Nerve.

The new cap screws are shown below. The **rear-most cap screw** is typically the one which will interfere with the frame.



Follow these steps to modify your grip frame:

1. Looking at the top of the grip frame, use a punch or marker to point out the screw head location. The new hole should be positioned approximately $5/8$ " in front of the rear-most frame screw hole (seen in the image below).
2. Use a hammer and a center punch (or equivalent) to make a small depression in the marked area.
3. If possible, hold the grip frame in a sturdy workholding device like a bench-top vise. Use cloth, pieces of wood, or any other object to protect the grip frame's outer surfaces from the vise jaws.
4. Use a hand drill to create a $1/4$ " diameter hole on the punched drill location. The hole can be shallow in depth, just enough to hide the screw head sticking out from the marker body.
5. If the hole is positioned incorrectly and the Nummech body still doesn't fit, use a larger drill bit to widen the hole. Use caution because the larger drill bit can snag the smaller hole, pulling the drill away from your hands.

Nummech can perform this modification onto any marker frame, but you will need to pay for shipping on the grip frame.

