

Moon Case Kicker for Star Reloading Presses



Clear the press of powder, primers, and good brass. Remove the Star safety cam assembly if present.

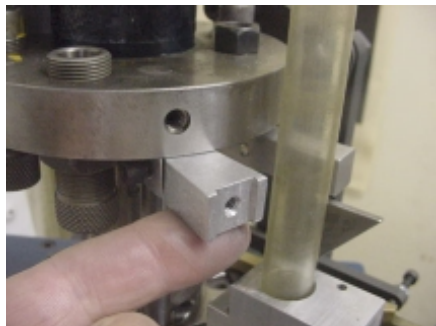
With the press all the way up, screw the ejector column into the base. Screw the ejector fork assembly to the top of the column.



Remove the angle cam plate from the aluminum rod clamp. With the press all the way up slide the aluminum rod clamp on the safety rod, with the clamping screw facing away from the case feeder.

Put a case in the dial at the eject station.

Put the ejector fork against the case, then back it off about a fingernail before tightening the screw.

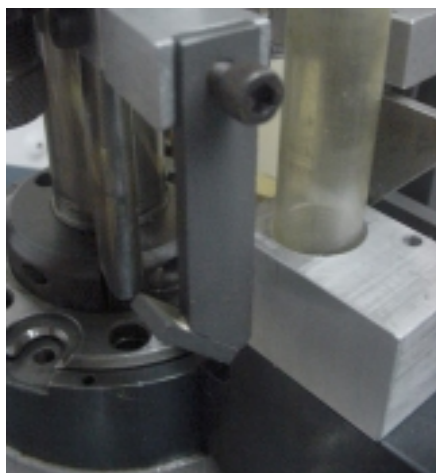


With fingers out of the way bring the press down and tighten the aluminum clamp on the rod up against the die plate and with the cutout parallel to the case feeder. This clamp will always be up against the die plate, but may need some fine adjustment left or right.

Cycle the press slowly to test for proper operation. On the down stroke, the fork finger should ride out, then snap over the angle cam. On the up stroke, the fork finger rides the other side of the cam and pivots the fork ejecting the case. If anything binds, you may have to rotate the aluminum clamp a little bit.

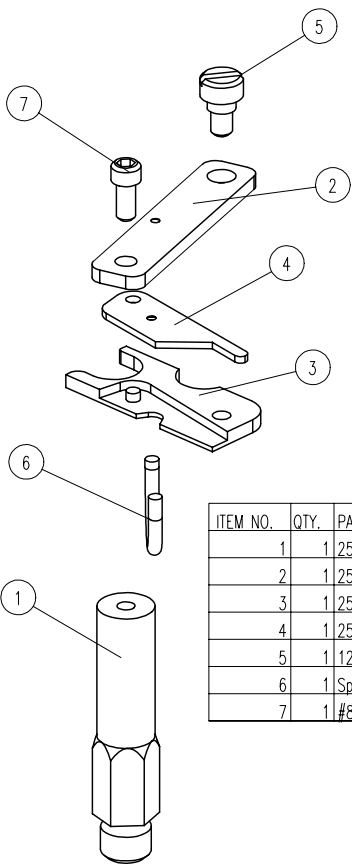


Screw the cam to the aluminum clamp. The angled plate should face towards the oncoming cartridge.

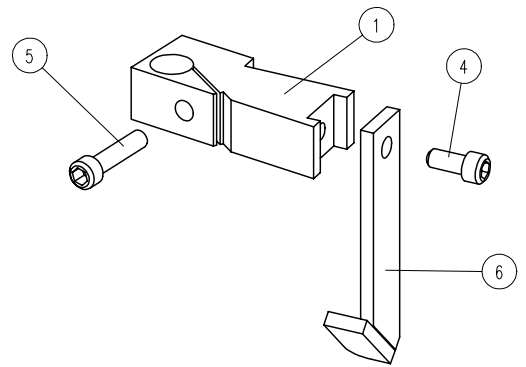
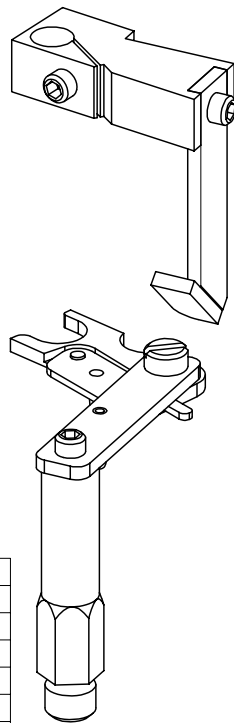


I like to use split cases for testing. They require less effort to cycle and I don't over work good brass. I find new ejectors may need to be broken in. Cycle the press slowly and if the fork or fork finger do not snap to the proper position, help them by hand. If they aren't operating smoothly in 20 to 30 cycles than maybe a little lube





ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	251 post	
2	1	252 Support	
3	1	256 Ejector	
4	1	257 Finger	
5	1	125x.250 shoulder screw	
6	1	Spring	
7	1	#8x375 shcs	



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	3-cam mount	
2	1	3-cambar	
3	1	Cam Shoe	
4	1	#8x375 shcs	
5	1	#8x750 shcs	
6	1	CamWeldment	