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If you remix or change anything, feel free to add your name and info here:

Release date: ----- 14Jul2022 - Pre Alpha 25Jul2022 - (-B) - Pre Beta - Adjusted: Pump for Bolt hold open, Hand Guard QD's, Hand Guard bore ID for Barrel Shaft Collar, Barrel bore ID for a std Bird Cadge to fit. Added Upper Back Plates in: Plain, AR Buffer Tube and 5deg AR Buffer Tube. 26Jul2022 - Adjusted the Hand Guard and Pump to fix the Bold Hold Open feature. 27Jul2022 - Opened Beta 14Aug2022 - Made MHG system for Mid and Rifle length Gas Ports 22Sep2022 - Made Heavy variant of MHG Base 24Sep2022 - Made Heavy Variant of Hand Guard Carbine, Modded (Upper, MHG Base, MHG Base - Heavy, Hand Guard Carbine, Hand Guard Carbine - Heavy) to the new All Thread upper attachment. 04Jan2023 - Got the 9mm variant working making the -D 07Mar2023 - TwoAceForThisShit modded the Pump for a section of Pic rail - I incorporated it into the files after attaining permission 05Nov2023 - Beta Complete/Published

BCAM-WS-UPC-1-D ----- Black Cat Aircraft & Manufacturing - Weapon Systems - Universal Pump Chassis - model 1 - version D

Print settings: ----- 0.2mm layers 15 walls/tops/bottoms minimum 15% infill as support Support touching the bed

Printing Remarks: ----- Print as it spawns/fits on your machine.

Assembly Remarks: -----

Tools: ----- Printer Knife Allen Keys Drill & Bits (Milwaukee 1" Hole Saw is near perfect for the barrel hole) Taps C Clamp or Bench Vice Hammer Something to Bend the Metal over to a sharp ID 90Deg angle if no Bench Vice is Available Metal Saw or Grinder & Cut off Disk File (Mill) Wrench to fit your Muzzle Device Soldering Iron or other way to install Heat Inserts

Materials: ----- 1 x AR15 Barrel (Carbine length gas port) 10" minimum length 1 x AR15 Complete BCG (to match your cambering) 1 x AR15 FCG (Safety not needed) 1 x AR15 Buffer Spring (Carbine length) AR15 Mag to match your build 23 x M5x25mm Allen Drive Grip Head Bolts 1 x M5x35mm Allen Drive Grip Head Bolt 3 x M4x30mm Allen Drive Grip Head Bolts 1 x M4 Nut 6 x M5 Heat Inserts 4 x M4 Heat Inserts 2" Wide x 1/8" thick Flat Bar Steel 300-2m x 1/4x20 All Thread 2-10 x 1/4x20 Nuts Blue Thread Locker 1 x 3/4" ID Shaft Collar with an 1-1/4" or less OD. Or what ever Shaft Collar fits your Gas Port but is or can be sanded to 1-1/4" OD or smaller.

Side Note: -----

Contributors: ----- Duhstin111 - crazy shit with printed parts TwoAce-
ForThisShit - Pic Rail version of the Pump Chronic Herb - Tester LKFIII -
Tester Gasp - Tester