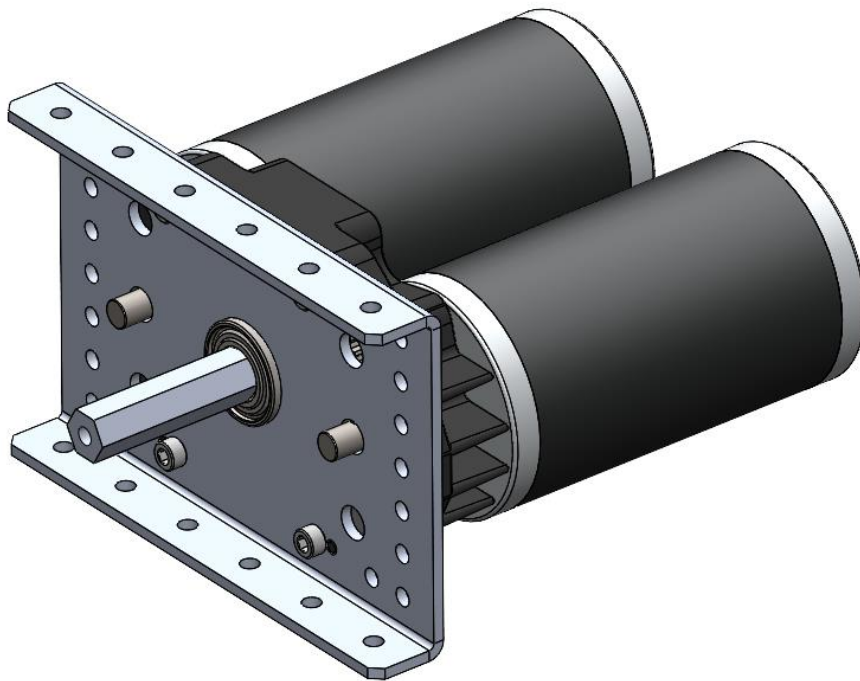




CIMple Box V2

(am-0734)

Assembly Guide



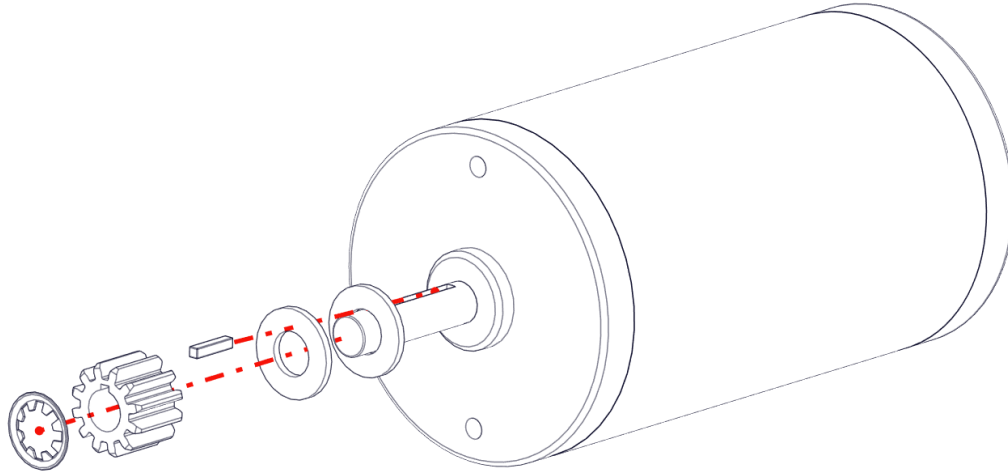
Revision #	Date	Author	Purpose
0	12/16/2022	Ethan Scime	Original Document

N. Massouda	12/19/22
Reviewer Name	Date Reviewed

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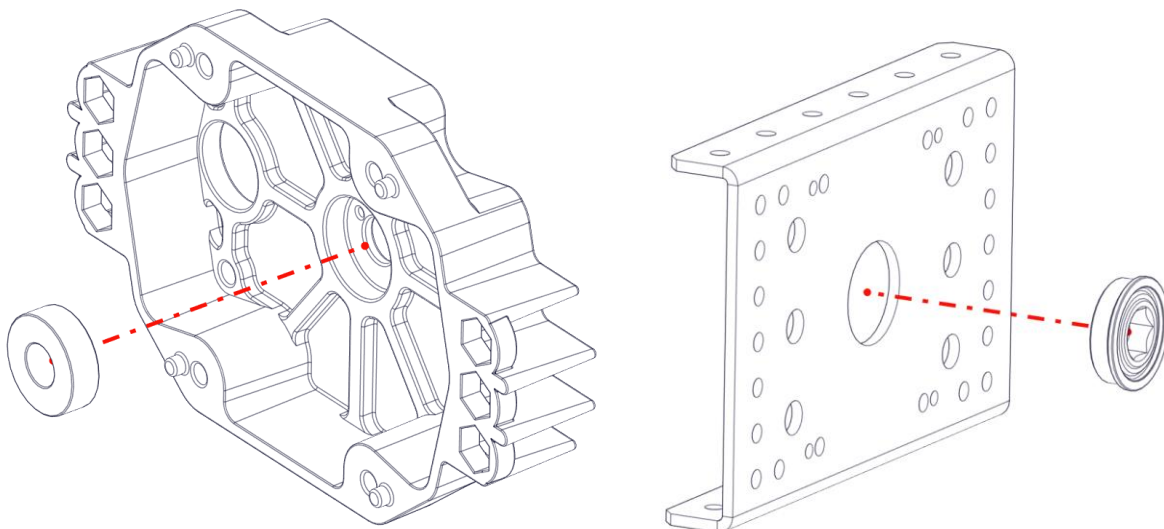
Step 1

Prepare your CIM-style motors for assembly. For motors with CIM pinions, slide two 5/16" washers (am-1009a) onto **each** CIM shaft, followed by a machine key (am-1121), a 12T pinion gear (am-0741), and a retaining ring (am-0033) as shown. Remember to do this for **all** motors.



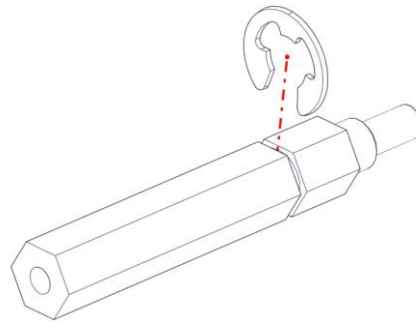
Step 2

Press a 3/8" inner diameter bearing (am-0516) into the CIMple Box housing (am-0739a) as shown. Also press the 1/2" hex bearing (am-2986) into the output plate (am-0738a.) **NOTE:** the output plate can fit on the CIMple box in two orientations. The hex bearing should be pressed such that the flange is on the side of the plate you want to face inward.



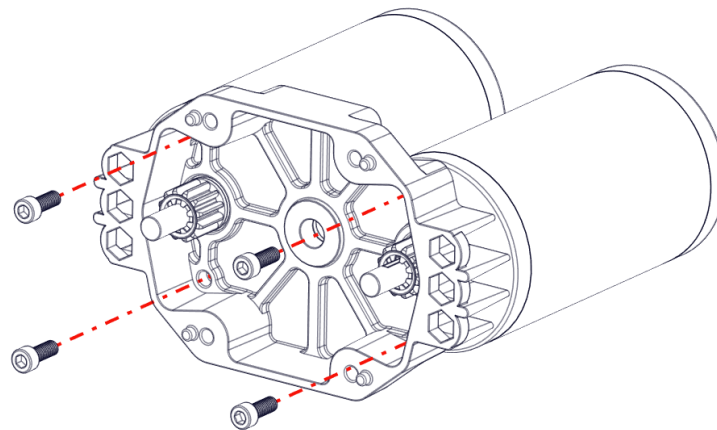
Step 3

Attach the bowed e-clip (am-1540) to the output shaft (am-0802a/am-2566b_mag/am-0801a)



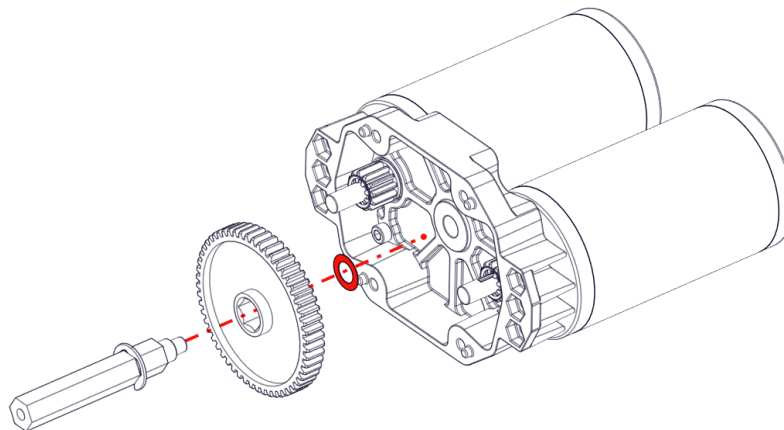
Step 4

Fasten the completed motor assemblies to the CIMple box housing using the four 10-32 socket head cap screws with nylon thread patches.



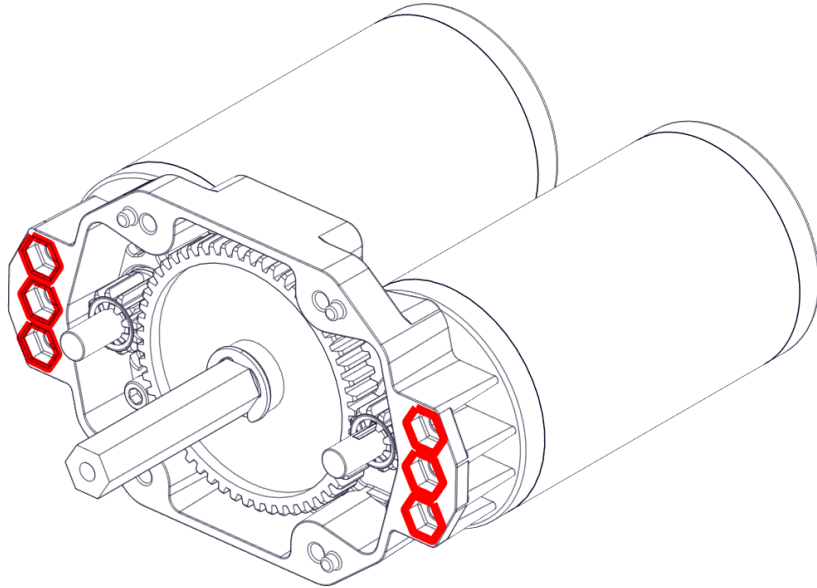
Step 5

Place the 3/8" ID shim and 56 tooth gear onto the back of the of the output shaft. Insert the assembly into the 3/8" bearing in the CIMple Box housing. Grease the gears at this time with the red tacky grease (am-2768.)



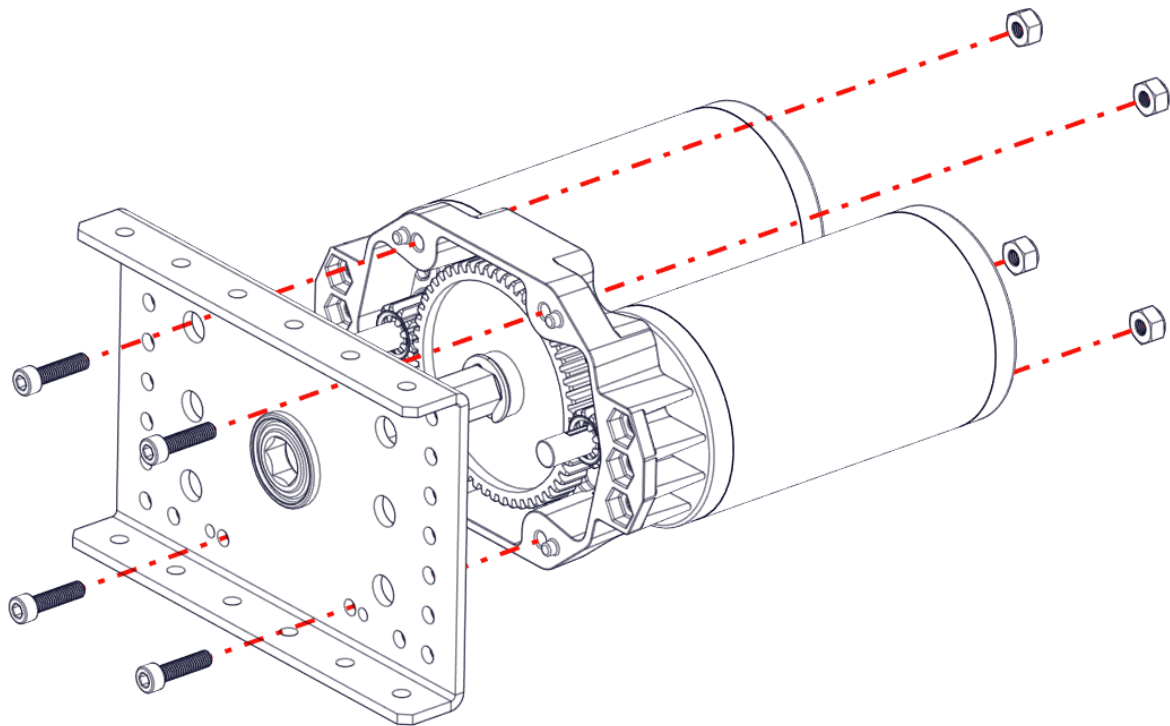
Step 6

(Optional) If you intend to mount the CIMple box using any of the six highlighted holes, go ahead and put 10-32 nylock jam nuts (am-1063) in the marked pockets with the round part of the nut facing towards the motors.



Step 7

Secure the output plate assembly to the CIMple box using four 10-32 0.75" long socket head cap screws and four 10-32 nuts (am-1042.)



Step 8

The CIMple box is now complete. You can use the remaining included 1/4-20 0.500" long button head cap screw (am-1039) and 1/4" washer (am-1027) to retain components on the output hex shaft if that is how you choose to use your CIMple box.

