

Assembly of the Halo 2 replica Battle Rifle

COM 306

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Halo 2 replica Battle Rifle

Inventory:

Yellow circles-8

Blue circles-8

Teal plugs-15

Purple tees-6

Green rods-4

Red rods-4

Orange rods-11

Pink rods-7

Blue rods-6

Orange washers-37

Purple swivel-2

Part A: The Base

Pieces you will need:

Blue circles-2

Yellow circles-4

Orange rods-2

Green rods-3

Teal plugs-4

Blue rods-2

Purple swivel-2

Assembly:

Step 1:

1. First steps for creating the base for your halo 2 battle rifle are to obtain the necessary inventory pieces for assembly.

NOTE: Once these pieces are obtained we can start with the bottom of the base.

Step 2: (1 Blue Circle and 3 Green rods)

2. Take a blue circle and place it with either face down so it will be flat on a table top. Next take the three green rods and insert them into any of the 4 holes on the outside of the blue circles edge.

Step 3: (2 Orange rods and 1 Blue Circle)

3. Now take two orange rods and insert them into two holes facing opposite from each other on the face of the blue circle. Now take your second blue circle and attach the face into the two orange rods.

Step 4: (2 Blue rods)

4. On the bottom of the base where the two orange rods are connected there should be two remaining holes(excluding the one in the middle). Take the two blue rods and insert them into the remaining two holes.

Step 5: (2 Purple Swivels)

5. Now take the two purple swivels, one hole will have a grip on the inside that will ensure a tight fit. That is the end you will want to attach to the blue rods. Also, make sure that the flat edge of the purple swivel is facing outward.

NOTE: You should now have an object that somewhat resembles a cylinder.

Step 6: (1 Teal plug)

6. Obtain a teal plug and insert it into the middle hole of the top blue circle (the one with out the green rods).

Step 7: (2 Yellow circles 1 Teal plug)

7. Attach a yellow circle face down into the teal plug. Then attach another teal plug into the opposite side of the yellow circle's face. Finish this vertical assembly by attaching one more yellow circle into the face of the teal plug.

NOTE: You now should have two yellow circles and two teal plugs left.

Step 8: (2 Yellow circles 2 Teal plugs)

8. You want to take each remaining teal plug and insert them on the outer curve of the top yellow circle (make sure that the holes are opposing each other and that they are parallel with the purple swivels). Finally take the remaining two yellow circles and attach them into the teal plug by inserting the face end into the teal plugs.

Part B- The Receiver**Pieces you will need:**

- * 6 Blue Circles
- * 5 Teal Plugs
- * 4 Purple Tee's
- * 1 Green Rods
- * 4 Red Rods
- * 7 Orange Rods
- * 4 Pink Rods

- * 4 Blue Rods
- * 33 Orange Washers

Part B consists of 7 separate steps in total. Steps 1 through 6 will walk you through the assembly of the individual pieces of the receiver and step 7 consists of 3 sections, walking you through the final assembly of those pieces into the receiver.

The first thing you will need to do is collect the pieces you will need from the list provided above. Once you have gathered the necessary pieces, it is recommended that you find a flat, open surface, such as a table, to complete this section.

Step 1: Piece One (1 Blue Circle, 4 Pink Rods, 1 Teal Plug)

- a. Take 1 Blue Circle and place it flat upon workspace.
- b. Take 4 Pink Rods and insert one of each into each of the 4 holes that follow the inside perimeter of the Blue Circle.
- c. Take 1 Teal Plug and insert into any of the 4 holes that follow the outside rim of the Blue Circle.

Step 2: Piece 2 (1 Blue Circle, 4 Blue Rods)

- a. Take 4 Blue Rods and insert one of each into each of the 4 holes that follow the inside perimeter of the Blue Circle.

Step 3: Piece 3 (1 Blue Circle, 4 Orange Rods)

- a. Take 4 Orange Rods and insert one of each into each of the 4 holes that follow the inside

perimeter of the Blue Circle.

Step 4: Piece 4 (2 Blue Circles, 1 Orange Rod, 1 Green Rod, 1 Purple Tee, 4 Red Rods,)

- a. Take 4 Red Rods and insert one of each into each of the 4 holes that follow the inside perimeter of the Blue Circle.
- b. Take the second Blue Circle and place onto the opposite end of the 4 Red Rods, from Step 4.a, by inserting each of the 4 Red Rods into each of the 4 holes that follow the inside perimeter of the second Blue Circle.
- c. Pick one side of the piece and declare it the "Front" facing side of the object and the other side the "Back" facing side of the object. Take the Green Rod and insert it into any of the 4 holes that follow the inside perimeter of the declared "Front Face" of the object.
- d. Take the Orange Rod and feed it through the center hole located on the "Front" of the object all the way through the center hole of the "Back" facing side of the object.
- e. Take the Purple Tee and insert the Orange Rod on the "back" facing side, from Step 4.d, half way into the inside hole of the Purple Tee.

NOTE: You do not want the Orange Rod protruding all the way through the inside hole of the Purple Tee.

Step 5: Piece 5 (1 Blue Circle, 2 Teal Plugs, 1 Orange Rod, 1 Purple Tee, 2 Orange Washers)

- a. Take the Blue Circle and insert one of the Teal Plugs into any of the 4 holes located following the outside rim of the Blue Circle.
- b. Take the Purple Tee and insert the remaining Teal Plug into any of the closed holes located on the outward facing sides of the Purple Tee.

c. Take the Orange Rod and the 2 Orange Washers. Place one of the Orange Washers on one side of the Orange Rod and the remaining Orange Washer on the opposite side of the Orange Rod.

NOTE: Push the Orange Washers in enough on both sides of the Orange Rod, to make sure there is enough room for the following two sets of instructions. The Orange Washers should be located on the INSIDE of the object at the end of this step.

d. Take the Blue Circle with the Teal Plug attached to it, from Step 5.a, and place it on either end of the Orange Rod, from Step 5.c, by going through the hole located in the middle of the Blue Circle.

NOTE: Push in the Blue Circle in far enough so the Orange Rod protrudes out about 3/4 of an inch. This is important for the final assembly of the Halo 2 Replica Battle Rifle.

Once you have the Blue Circle located in the proper position of the Orange Rod, use the Orange Washer as a stopper to hold the Blue Circle in place by pushing it flush against the inside face of the Blue Circle.

e. Take the Purple Tee with the Teal Plug attached to it and place it on the remaining side of the Orange Rod by inserting the Orange Rod about 2/3 of the way through the inside hole of the Purple Tee. Once you have the Purple Tee located in the proper position of the Orange Rod, use the Orange Washer as a stopper to hold the Purple Tee in place by pushing it flush against the inside facing side of the Purple Tee.

NOTE: This will not prevent the Purple Tee from falling off of the open end of the Orange Rod, so be careful to make sure this piece does not fall off. This piece will be secure from falling off once the final assembly of the Halo 2 Replica Battle Rifle is complete.

Step 6: Piece 6 (2 Teal Plugs, 1 Orange Rod, 2 Purple Tees, 31 Orange Washers)

- a. Take 1 Purple Tee and 1 Teal Plug. Insert the Teal Plug into either of the two closed holes located on the outward facing sides of the Purple Tee.
- b. Repeat the previous step (Step 6.a).
- c. Take the Orange Rod and all 31 Orange Washers. Place ALL of the Orange Washers on the Orange Rod. Position all of the washers together in a tight fashion, creating the "Grip."

NOTE: Position the "Grip" on the center of the Orange Rod, leaving an even amount of the Orange Rod sticking out of the sides.

- d. Take the two Purple Tee's, with the Teal Plugs attached to them, and place one of each on each of the only remaining exposed parts of the Orange rod located on the "Grip", through the inside open holes.

Step 7: Receiver Final Assembly (Pieces 1-6)**Section 1- Object A (Pieces 1, 2 & 3)**

- a. Take Piece 1 and insert the 4 Pink Rods into the 4 holes that follow the inside perimeter of the "bottom" or "back" face of Blue Circle in Piece 2.
- b. Take Piece 3 and insert the 4 Blue Rods from Piece 2 into the 4 holes that follow the inside perimeter of the "bottom" or "back" face of Blue Circle in Piece 3.

Section 2- Object B (Pieces 4, 5 & 6)

- c. Take Piece 4 and orient it so the Green Rod that is located on the "front" of the piece is positioned below the Orange Rod. Now take Piece 5 and insert the Teal Plug that's attached to the Purple Tee, into one of the side holes of the Purple Tee that is located on the "back" Piece 4.

NOTE: If they are not already oriented in the following manner, without un-attaching Purple Tee with the Teal Plug that is attached to the Purple Tee, located on the "back" facing side of Piece 4, swing or rotate Piece 5 so that the side with the Blue Circle and Teal Plug is oriented opposite of the Green Rod that is attached to the "front" facing side of Piece 4.

d. Take Piece 6 and insert one of the Teal Plugs into the remaining side bottom facing, closed hole that is located on the Purple Tee on Piece 4.

NOTE: If they are not already oriented in the following manner, without un-attaching Purple Tee with the Teal Plug that is attached to the Purple Tee, located on the "back" facing side of Piece 4, swing or rotate Piece 6 so that the side with the Blue Circle and Teal Plug is oriented opposite of the Green Rod that is attached to the "front" facing side of Piece 4.

Section 3- Receiver Assembly (Object A & Object B)

e. Insert the 4 Orange Rods on Object A (Piece 3) into the 4 holes that follow the inside perimeter of the "back" of the Blue Circle located on Piece 4 (Now apart of Object B).

NOTE: You will need to orient the Purple Tee, that is attached to Piece 4, up and down, so that the 4 Orange Rods on Piece 3 fit around it and into the 4 holes located following the outside rim of the "back" of the Blue Circle that is located on Piece 4.

f. Insert the Teal Plug, that is located on the Blue Circle on Piece 5, into the top most hole that lines the rim of the Blue Circle that is located on Piece 3.

g. Insert the remaining Teal Plug, that is located on Piece 6, into the bottom most hole located on the Blue Circle on Piece 3.

Stock:

Pieces you will need:

2- Orange Rods

3- Pink Rods

4- Yellow Circles

2- Purple Tees

6- Teal Plugs

4- Orange Washers

Step 1: (1 Teal Plug and 1 yellow circle)

1. Insert teal plug into round edge of yellow circle.

Step 2: (1 Teal plug)

2. Insert the round edge of another yellow circle to other side of teal plug.

Step 3: (1 Orange rod)

3. Insert an orange rod into round edge of either yellow circle 90 degrees from the teal plug

Step 4: (1 Pink rod)

4. Insert a pink rod into the round edge of the other yellow circle 90 degrees from the teal plug.

NOTE: You should now have a object that looks like a U.

Step 5:

5. Build another U object by repeating steps 1-4.

Step 6: (Purple Tee and Pink rod)

6. Slide a purple tee on a pink rod so that it slides freely on the rod

Step 7: (2 Orange washer)

7. Secure the purple tee on the end of pink rod with two orange washers.

Step 8: (1 Orange washer)

8. Slide orange washer on the other end of pink rod pushing it towards the center.

Step 9: (1 Purple Tee and 1 Orange washer)

9. Slide purple tee on end of pink rod and secure it to the edge with remaining orange washer.

Step 10:

10. Insert purple tees into the pink rods on the U shaped object.

Step 11:

11. Place assembly so the orange rods are down.

Step 12: (2 Teal plugs)

12. Insert two teal plugs into the faces of the yellow circles on top so that the teal plugs face each

other.

Step 13: (2 Teal Plugs)

13. Insert the remaining two teal plugs in the round edge of the bottom yellow circles, 90 degrees from orange rods.

Final Assembly:

Base to Receiver:

Step 1:

Remove the upper blue circle completely from the handle.

Step 2:

Then feed the two orange rods connected to base through the section of the receiver with the four blue rods.

Step 3:

Now re-attach the blue circle that was removed in step 1 back to the two orange rods that are attached to the base.

Step 4:

Inset the tiny orange portion of piece five located on the receiver into the yellow circle directly in front of the orange rod.

Stock to Receiver:

Step 1:

Remove one full side of the stock by sliding off the purple tee and two orange washers.

Step 2:

Then slide the orange rod connected to the stock into the purple swivel on the base.

NOTE: Make sure the teal plug that is connected to the upper yellow plug. This is connected to the closest hole on the outside rim on the blue circle that is located on the receiver.

Step 3:

The pink rod of the stock connected to the purple tee slides through the four blue rods located on the receiver.

Step 4:

Now attach the washer on the pink rod.

Step 5:

Then insert the remaining orange rod into the remaining purple swivel and slide the purple tee onto the upper pink rod going through the receiver. Attach teal plug on the end of the stock to the yellow circle into the blue circle on the end of the receiver.

Step 1:

Finally place the last washer on the end of the pink rod going through the receiver.

Congratulations!!!

You have now proudly assembled your Halo 2 replica BR!