

Assembly Instructions Model 42X/43X

The following instructions are to complete the assembly of your Manco Fun Kart using the component parts and hardware that were packaged with the kart. Carefully read these instructions completely before starting the assembly.

Tools required for assembly

- (2) 9/16 inch wrenches
- (2) 3/4 inch wrenches
- (1) 3/8 inch wrench
- (1) Diagonal Cutters

⚠ Warning: Risk of death or Bodily Injury. The Brush Bars, and the Seat and Shoulder Belt are critical parts of the Operator / Passenger safety system on this kart. Do not attempt to operate the kart until these components have been properly installed.

Brush Bar Assembly

Position the rear bar assembly on the frame using four 3/8 x 16 x 3.5 inch long bolts (PN 2386) and 3/8 inch nuts (PN9085) to hold it in place. Do not tighten these fasteners completely at this time.

Position the over head bar assembly on the kart using four 3/8 x 16 x 3.5 inch long bolts (PN 2386) and 3/8 inch nuts (PN9085). Do not tighten these fasteners completely at this time.

Position the headrest support on the overhead bars using two 3/8 x 16 x 3.5 inch long bolts (PN 2386) and 3/8 inch nuts (PN9085). Do not tighten these fasteners completely at this time.

If your kart is equipped with running lights, the running light mounting bracket must be placed between the

bushings at the headrest support to rear bar connection.

Fully tighten all of the brush bar and headrest mounting bolts at this time. These fasteners use locking nuts and require a high level of torque to be applied to tighten them securely.

Make sure that the nuts and heads of the bolts are fully engaged with the surface of the bushings. Then apply a final tightening torque.

Seat and Headrest Pad Assembly

Assemble the rear pad of the seat to the seat frame using two 1/4 x 20 x 5/8 inch long bolts (PN 1876). Assemble the head rests to the support bar using four 1/4 x 20 x 5/8 inch long bolts (PN 1876). Tighten these fasteners securely at this time.

Shoulder Belt Assembly

Position the shoulder belt mounting tab against the support tab on the rear bar assembly with a 1/2 washer (PN 9022) between the tabs. Use a 1/2 x 13 x 1.5 inch long bolt (PN 9188) and 1/2 inch nut (PN 1012) to secure these two tabs together. Tighten the bolt and nut until the two tabs make contact with the washer between them but do not over tighten. When properly assembled, the belt tab should be able to rotate freely on the mounting bolt.

Follow this process for both the Operator and Passenger belts.

Safety Flag Assembly

Insert the special flag mounting bolt (PN 11361) into the mounting tab on the rear loop of the frame placing a 1/2 inch washer (PN 9022) under

the head of the bolt. Place a 1/2 inch nut (PN1012) on the end of the bolt and hand tighten.

Insert the flag mounting shaft through the mounting bolt allowing approximately 1/2 inch of the shaft to protrude past the end of the bolt. Use wrenches to securely tighten the nut and bolt to fix the position of the flag.

Running light Subassembly

Mount the running light to the support bracket by inserting the mounting bolts at the base of each light through the outer most holes in the bracket and installing lock washers and nuts. Tighten the lights securely in place. The light at the end of the wiring harness should be placed on the right side of the bracket with the harness running across the top of the bracket and the second light placed on the left side of the bracket.

Install the light mounting bar between the Brush bar and headrest bracket bushings (see brush bar assembly) and route the wires down the center bar to the frame then along the center frame tube to the engine. Plug the two connectors on the wiring harness into the wire connectors on the front of the engine. Use Ty-wraps to secure the wiring harness to the frame.

Engine Fluids

Read and follow instructions in the engine manual.

Remove oil fill plug and fill the engine crankcase with 20 oz of 30W type SF or higher motor oil. Replace and securely tighten the oil fill plug.

Fill the fuel tank with regular grade clean, unleaded gasoline. Do not use premium grade gasoline, gasohol or diesel fuel.

