

# Operator's Manual SUPPLEMENT

MANCO MODEL NO. 580-01

**WARNING:**  
Read Engine  
Owner's Manual,  
Vehicle Operator's  
Manual, and  
Supplement  
Carefully Before  
Operating  
Vehicle.

Parts List  
Assembly



## ORDERING PARTS

- FAST & EASY!**
- 1) Seek Part(s) from your models illustrated diagram, cross over REF# to PART#
  - 2) Type PART# into sites [Search Box] at [GoKartsRus.com](http://GoKartsRus.com) TIP! - RIGHT CLICK LINK, SELECT OPEN IN NEW TAB
  - 3) Add all needed parts to Shopping Cart | Complete "Checkout" | ✓ Done!
- LOWEST PRICES!**

If a part does not come up in a Site Search, please [Contact Us](#) (include part# in email)

BEFORE OPERATING THIS VEHICLE, THE OWNER AND/OR OPERATOR MUST UNDERSTAND THE VEHICLE WAS NOT DESIGNED OR MANUFACTURED TO MEET SPECIFICATIONS FOR USE ON PUBLIC ROADS, STREETS, HIGHWAYS, OR THOROUGHFARES AND HAVE READ AND HAVE AN UNDERSTANDING OF ALL THE INSTRUCTIONS FOR SAFE ASSEMBLY AND OPERATION AS WELL AS THE INSTRUCTIONS GOVERNING THE ENGINE AND OTHER PORTIONS OF THE VEHICLE.



REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1	6335-19	Frame	49	4266	Spacer, 5/8ID-11GA x 1-1/8"
2	4186	Engine, 3.5HP Tecumseh	50	2042	Seat
ASM	4335	Clutch, 35 Chain x 12 Tooth	51	2280	Chain, #35 x 116 Pitch (inc.#52)
3	3141	Snap Ring	52	1269	Masterlink, #35 Chain
4	3143	Bushing, Clutch	53	6424	Face Plate
5	4491	Drum w/ Sprocket (inc. REF 4)	54	1854	Washer, #14 Flat
6	3146	Washer, Fiber	55	2018-2	Fender
7	4496	Clutch Rotor	56	5839	Bolt, 1/4-20 x 3/4" Whiz Flange
8	9125	Washer, 3/8 Flat	57	9006	Bolt, 1/4-20 x 1/2" Whiz Flange
9	9001	Washer, 3/8" Int/External Lock	58	9057	Nut, 1/4-20 Lock
10	9073	Bolt, 3/8-24 x 3/4"	59	-----	
11	1168	Washer, 3/4 ID x 1/32" Thick	60	1263	Nut, 5/16-18 Whiz Flange
12	9186	Bolt, 5/16-18 x 1-1/2"	61	1846	Bolt, 1/4-20 x 3/4"
13	9030	Washer, 5/16" Interlock	62	-----	
14	9101	Bolt, 5/16-24 x 1/2"	63	1845	Bolt, 1/4-20 x 5/8"
15	5135	Nut, Clip	64	9949	Bushing, 1/4" ID x 1/4" Long
16	6495	Chainguard, (inc. # 20-24,73)	65	6417	Stop Switch
17	6039	Washer, #10 Internal Lock	66	6336-2	Brake Rod
18	6046	Screw, #10-24 x 1/2"	67	2019	Spacer, 5/8ID x 11ga x 1-3/4"
19	6480-2	Bracket, Chain Guard	68	1937	Spacer, 5/8ID x 11ga x 1/4"
20	4504	Decal, Yellow Warning	69	4365	Spring
21	1049	Decal, Caution Drive Cover	70	2274	Grip, Foot
22	6791	Decal, Oil Clutch Here	71	9507	Bushing
23	2832	Decal, No Passengers	72	1019	Ty-Wrap
24	4912	Decal, Warning Label	73	6621	Decal, Tire Pressure
25	6518-2	Chainguard, Lower	NI	2684	Engine Owner's Manual
26	2449	Nut, Tinnerman	NI	4198	Mini-Bike Operator's Manual
27	4982-19	Fork			
ASM	4199	Grip Assembly (inc. #28, 31)			ASM = Assembly
28	1013	Grip, Twist			NI = Not Illustrated
29	5874	Throttle Cable with Housing			
30	1628	Throttle Cable Retainer			
31	1018	Cable Stop with Screw			
32	1014	Grip, Dummy			
ASM	2247	Frt Wheel Asmbly (inc. #33-39)			
ASM	2245	Drv Wheel Asmbly (inc. #33-44)			
33	1093	Bearing			
34	1186	Nut, 1/4-20 Whiz			
35	8004	Wheel Half, 5"			
36	5949	Spanner, 5/8ID x 1-13/16"			
37	5839	Bolt, 1/4-20 x 3/4"			
38	1753	Tube, 5"			
39	2246	Tire, 4.10 - 3.50 x 5"			
40	8004	Wheel Half, 5" Tapped			
41	8008	Spacer			
42	8007-2	Sprocket, 35 Chain x 60 Teeth			
43	9030	Washer, 5/16 Int Lock			
44	9127	Bolt, 5/16-18 x 2-1/4"			
45	9157	Bolt, 5/8-11 x 6.5"			
46	2772	Bolt, 5/8-11 x 9.5"			
47	1138	Bolt, 5/8-11 x 7.0"			
48	1046	Nut, 5/8-11 Top Lock			



# ASSEMBLY PROCEDURES

## GENERAL

1. Carefully unpack all parts- from shipping containers.
2. Locate and unpack the Mini-Bike Operator's Manual.
3. Complete the information block on the back page of the Operator's Manual.
4. Identify and verify all parts in the Parts Pack.
5. Reference the Exploded View for correct assembly of all parts.

## FRONT WHEEL ASSEMBLY

NOTE: For easier assembly, complete step 2 listed under Miscellaneous Assembly.

1. Insert one Bolt (REF 45) through the Fork Assembly lower Axle mounting hole. Place one Spacer (REF 49) on the Bolt. Insert the Bolt into the Front Wheel Assembly. HINT: If the bolt will not slide into the Front Wheel Assembly, insert a long screw driver, or similar object, from the other side of the Axle. Use the screw driver to move the internal spanner so that it does not interfere with the Bolt. Place the remaining Spacer on the Bolt. Insert the Bolt through the other hole in the Fork Assembly and secure with one Nut (REF 48). Tighten until all side play is removed from the Front Wheel Assembly. Ensure that the Wheel rotates freely.

## THROTTLE ASSEMBLY

The Twist Grip Assembly must be mounted on the Handlebar before the Fork Assembly is mounted to the Frame. The length of the Throttle Cable will not allow assembly in reverse order.

1. Remove the rear-most Ty-Wrap holding the Twist Grip (REF 28) and Stop Switch (REF 65) secure during shipping. Discard the Ty-Wrap. Also remove the Ty-Wrap holding the two Handlebar Grips together. Discard the Ty-Wrap. Slide the Dummy Grip (REF 32) onto the Left Handlebar.
2. Separate the Throttle Cable and Stop Switch Wire. Lay the Stop Switch to the Left side of the Frame. Rout the Throttle Cable (REF 29), as shown

in Figure 1, along the Top, Right side of the Frame, and between the Upper Crown Plate and Front Plate Mounting Bracket

3. Loosen the two Screws on the Twist Grip. Slide the Twist Grip all the way onto the Right Handlebar. Do not tighten the Screws at this time.

## FORK ASSEMBLY

1. Place one Bushing (REF 71) in each end of the Frame Pivot Tube. HINT: The Bushings may be held in place with a small strip of tape. Do not place tape over the hole.
2. To mount the Fork Assembly to the Frame, align the Fork Pivot Holes with the Frame Pivot Tube and insert the Bolt (REF 47) through the Fork Holes and Bushings. Ensure the Throttle Cable is to the right of the Pivot Tube, see Figure 1. It may be necessary to tap the head of the Bolt with a hammer to seat it in position against the Nut welded to the bottom side of the Lower Fork Plate. Tighten the Bolt until there is no play between the Fork and the Pivot Tube but will still allow the Fork to rotate freely.



WARNING: The Fork must be able to rotate freely for safe operation.

## THROTTLE ASSEMBLY CONTINUED

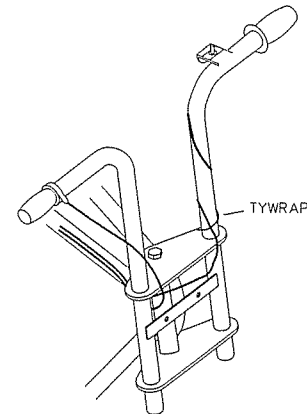


Figure 1: Routing Diagram

4. Slide the Twist Grip all the way onto the Right Handlebar, then back off approximately 1/4". This will ensure that the Twist Grip will not bottom out on the end of the Handlebar.
5. Rotate the Twist Grip so that the Throttle Cable points downward and slightly ahead. The Throttle Cable and Housing should form a smooth curve from the Twist Grip to the upper Frame tube, see Figure 1. Tighten the two Screws in the Twist Grip securely.



**CAUTION:** Rotate the Twist Grip counterclockwise to the full open position and release it to insure that it snaps back to the idle position. The Twist Grip must rotate easily in both directions to ensure safe operation. If the Twist Grip does not rotate easily in both directions, repeat the assembly procedure.

#### STOP SWITCH ASSEMBLY

1. Rout the Stop Switch Wire (REF 65), as shown in Figure 1, along the Top, Right side of the Frame, under the Top Crown Plate, and between the Pivot Tube and Right Fork Tube. Wrap the Wire around the Left Handlebar one time. Remove the Nut and On/Off Plate from the Stop Switch. Pass the Stop Switch up through the mounting hole on the Handlebar. Replace the On/Off Plate and the Nut. Work any slack in the Stop Switch Wire towards the Pivot Tube and apply one Ty-Wrap (REF 72) as shown in Figure 1. Securely tighten the Nut.

2. Turn the Handlebar through its full range of movement to ensure that neither the Throttle Cable Housing nor the Stop Switch Wires bind, stretch, or are pinched in the process. Correct any problems.

#### SEAT ASSEMBLY

1. Mount the Seat to the Frame using two Bolts (REF 57). Fasten securely. Do not over tighten.

#### MISCELLANEOUS ASSEMBLY

1. Mount the Face Plate (REF 53) to the Forks using two Bolts (REF 57), two Washers (REF 54), and two Nuts (REF 58). The Washers should be positioned between the Bolts and the Face Plate. Tighten securely.

2. Mount the Front Fender (REF 55) to the Forks using two Bolts (REF 57), two Washers (REF 54), and two Nuts (REF 58). The Washers should be positioned between the Nut and the Fender. Tighten securely.

3. Slide Foot Grips (REF 70) onto the Frame.

#### PRE-RIDE MAINTENANCE

1. Carefully and completely read the Engine Owner's Manual. Fill the Engine Crankcase with oil as described in the Engine Owner's Manual.



**CAUTION:** The Engine is shipped without oil in the crankcase

2. Carefully and completely read the Mini-Bike Operator's Manual. Follow the Pre-Ride Inspection steps. Fill the Fuel Tank with Fuel and lubricate appropriate points as described in the Mini-Bike Operator's Manual.

3. If there are any problems or discrepancies, contact your Dealer or the Customer Service Department at Manco Products, Inc.

#### NOTES